

International Federation  
of Clinical Chemistry  
and Laboratory Medicine



serving laboratory medicine worldwide

# Annual Report 2013

# ANNUAL REPORT 2013

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## HIGHLIGHTS OF THE YEAR

- EuroMedLab Congress – Milano (IT), May 2013 (<http://www.milan2013.org>)
- Colabiocli Congress – Lima (PE), October 2013 (<http://colabiocli-lima2013.org>)
- Abbott Laboratories' annual sponsorship for the IFCC VLP program
- Roche/IFCC Travel Scholarship
- IFCC Speakers Bureau (<http://www.ifcc.org/ifcc-education-division/speaker-s-bureau/>)
- Webinars and Distance Learning Modules (<http://www.ifcc.org/ifcc-education-division/webinars/>)
- Experts Database (<http://www.ifcc.org/ifcc-education-division/experts/>)

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## 2013: PREPARING FOR THE FUTURE

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### MESSAGE FROM THE PRESIDENT OF IFCC

#### Introduction

It is a pleasure to write this summary of the year 2013 on behalf of IFCC. This is the penultimate year of my Presidency and so is a good time to assess progress. Laboratory medicine is in a period of rapid development and IFCC aims to provide global leadership.

#### Membership

Membership of IFCC was stable through 2013. We gained two new Full Members:

- "Sociedad Boliviana de Bioquímica Clínica"
- "Colegio Mexicano de Ciencias de Laboratorio Clínico, A.C."



Our Corporate Membership showed a modest increase and it was a pleasure to welcome:

- Elga Lab Water
- PPD Inc
- Instrumentation Laboratory
- Shanghai Zhicheng Biological Technology
- ADx NeuroSciences
- Snibe Co. Ltd.
- Fujirebio Europe

Collectively, the Members of IFCC represent >40,000 senior laboratory medicine specialists

#### Core Business

The important work of IFCC takes place in its Divisions, Committees Task Forces and Working Groups. During 2013 >300 experts volunteered to work on 44 projects, which cover a wide range of clinical, scientific, educational and communication related topics. Full details may be found on the IFCC website ([www.ifcc.org](http://www.ifcc.org)) and reports from many of these projects may be found in this Annual Report.

#### The IFCC Strategic Plan

The Executive Board is working effectively and is making good progress with the Strategic Plan for 2012-14. Notable achievements during 2013 included:

- Collaborative agreements with IFCC Regional Federations in Latin America and the Arab region
- The introduction of electronic voting for IFCC elections
- Benchmarking the performance of IFCC
- Creation of the Register of Experts
- International collaboration as co-owner of the Labs Are Vital project ([www.labsarevital.org](http://www.labsarevital.org))

#### Congresses and Conferences

Congresses and conferences provide an opportunity to update our scientific and clinical knowledge, skills and experience and they also provide a great forum to meet and make friends and to build long lasting professional networks. During 2013 there were successful Regional congresses in Milan, Cape Town, Bali and Lima. In addition there were many national conferences and I was privileged to attend seven of these.

#### Finances

The annual accounts for 2013 were audited in March 2014 and copies are available upon request from the IFCC Office. Thanks to the success of EuroMedLab in Milan we had a good year and recovered much of the loss experienced during the years of the global financial crisis. IFCC finances are sound as we prepare for the future.

### **Preparing for the Future**

Laboratory medicine continues to be central to modern healthcare. It is evolving at a rapid rate as a result of many factors, including:

- Globalisation of communication leading to the need for harmonised practice
- Technological advance, including genomics and informatics
- Economies of scale as we rationalise rising workloads with shrinking budgets
- Integrated diagnostics, linking laboratory medicine with imaging in patient pathways
- Adding value to improve patient outcomes

In recognition of these changes IFCC prepared a short pamphlet entitled 'Shaping the Future of Laboratory Medicine', which it has used as the basis of a year-long consultation with its Members culminating in a debate at the IFCC Council meeting in June. This document challenges IFCC and its Members to adapt to change, to be more inclusive and to look outwards to the future of laboratory medicine in healthcare.

### **The Next IFCC President**

The next Officers of IFCC were elected in December 2013 using our new electronic voting system. It was gratifying to see a very high percentage of IFCC Members using their vote. My successor as President will be Maurizio Ferrari from Italy and I look forward to working with Maurizio during 2014 to ensure a smooth transition.

### **Thanks**

I wish to thank the Executive Board and the Chairs of Divisions for their skill, commitment and inspiration. Our excellent team in the IFCC Office in Milan (Paola Bramati, Silvia Cattaneo and Silvia Colli-Lanzi) have again demonstrated their dedication and professionalism in supporting our Members. Above all, however, IFCC owes a great debt to the many scientists and medical doctors who work on a voluntary basis to give freely of their time and expertise in the interests of improving the quality, delivery and relevance of clinical chemistry and laboratory medicine on a worldwide basis. It is gratifying that we are seeing an increase in the number of experts who want to work for IFCC. These people are the true strength of IFCC and I thank them all.



## EXECUTIVE BOARD (EB)

The Executive Board held three meetings during 2013. The first meeting was held in Buenos Aires on March 2-3; the second in Milan in connection with the EuroMedLab Congress; the third EB meeting was held in Bali in connection with the Asia-Pacific Federation of Clinical Biochemistry and Laboratory Medicine Congress. On each occasion, the EB organized joint meetings with the EB of the respective Regional Federations (COLABIOCLI, EFLM and APFCB) to identify opportunities for collaboration and to improve communication.

During 2013 much progress had been achieved with the IFCC Strategic Plan 2012-2014 including the introduction of the electronic preferential voting for elections to the Executive Board.

IFCC family gained new Full Member Societies and Corporate Members. They all are warmly welcomed into the Federation.

A letter was sent to National Societies of the Full and Affiliate members requesting for their annual report. More than fifty reports were received to be included in the IFCC Annual report 2013 which is available on the IFCC Website ([www.ifcc.org](http://www.ifcc.org)).

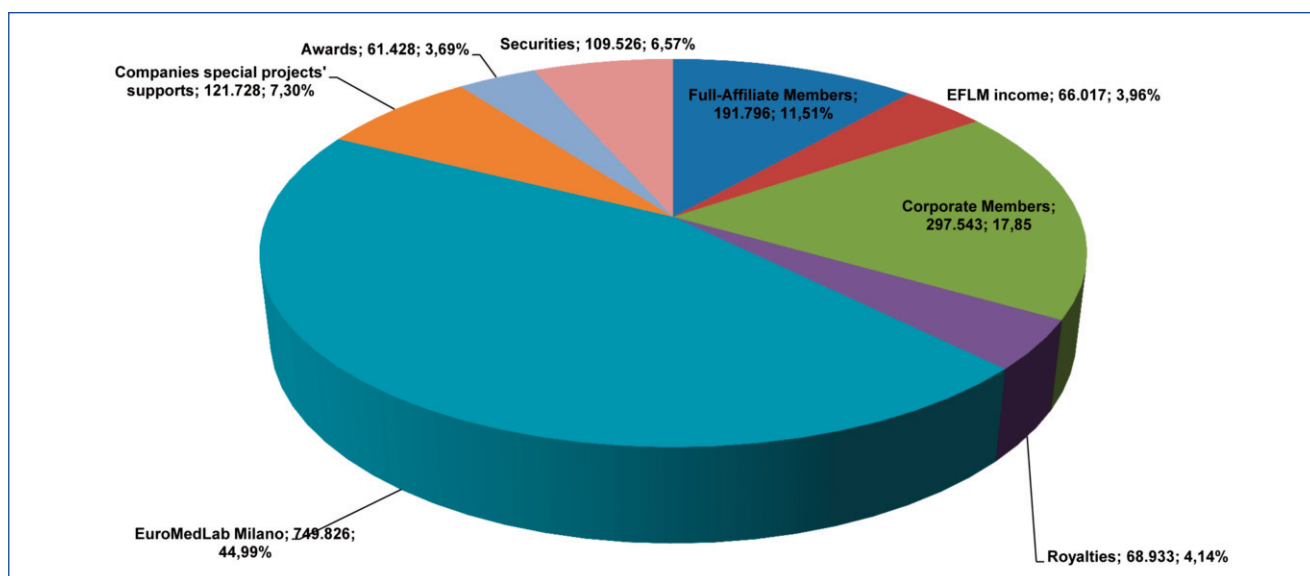
2013 was my second year as Secretary of the IFCC and has been for me a great opportunity for professional growth in laboratory medicine as well as a chance to meet and make friends from different countries and cultures. Thanks to the members of the EB for their support and friendship, thanks to all IFCC officers and to the staff of Emmezeta-MZ Congressi in Milan (Paola, Silvia and Silvia-CL).

**Sergio Bernardini**  
Executive Board Secretary

## TREASURER REPORT

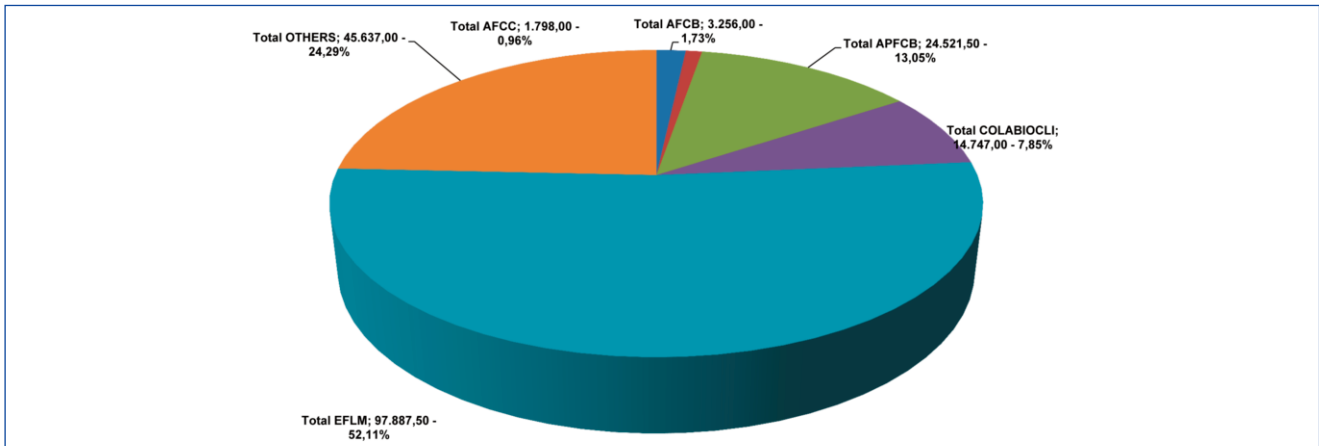
The estimated budget for 2013 has been set to balance. Projections of revenues and expenditures were made on a certain number of assumptions set by the Executive Board and including a number of full and stable affiliate members (CHF 191.796–11,98% of the budget), recruiting new corporate members given clusters of industrial groups for in vitro diagnostics IVD (CHF 297.543–18,59%), a lobbying policy to solicit "sponsorship" (CHF 121.728–7,6%) royalties (CHF 68.933–4,31%) and securities (CHF 109.526–6,84 %), Awards (CHF 61.428–3,84%) adjustment of budgets into realistic divisions which will enable further studies and courses and develop new ones, expenses related to the IFCC office consistent with the inflation rate (CHF 231.328) and a bet on the success of the 2013 Milan EuroMedLab Congress (CHF 749.826–46,84%).

On these assumptions, the total budget revenues will go from CHF 633.200 in 2012 to CHF 1.677.500 in 2013. All these efforts will be compensated by a positive actual balance of CHF 442.998



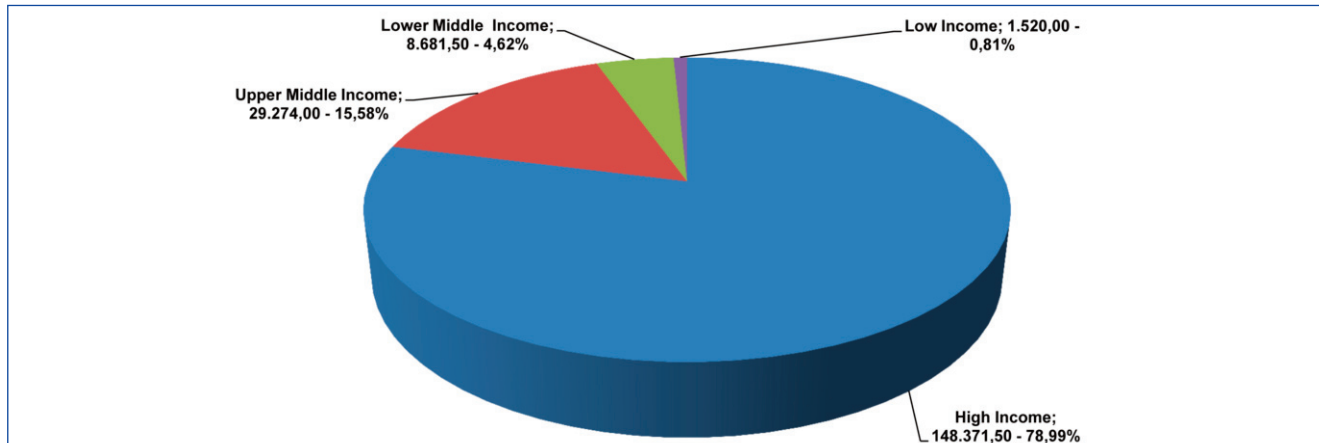
**Figure 1**  
1 INCOME (CHF 1.600.780) at the end of 2013.

The main revenue sources are, in decreasing order as CHF: Congresses (749.826), Corporates contributions (297.543), IFCC Member contributions (191.796), Sponsorships (121.728), Securities (109.526), Royalties (68.933) and Awards (61.428).



**Figure 2**

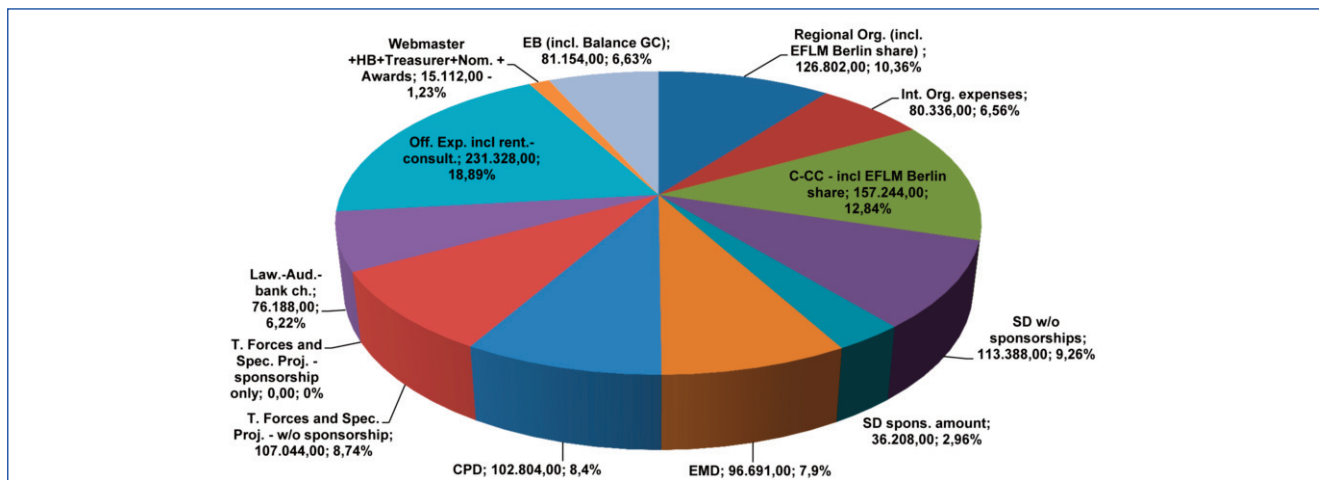
Reflects full member dues by region for a total actual amount of CHF 187.847. Contributions are still based on 4 fee categories in accordance with the World Bank's criteria based on gross national income per capita (see Figure 3). The contribution of the 10 affiliate members was CHF 3.949.



**Figure 3**

Dues by fee level. 87 Full Members, divided as: 5 low income; 17 lower middle income; 30 upper middle income, 35 high income

The grant to the regions is maintained at CHF 10.000 except for EFLM, which will receive the fee from EuroMedLab Milan 2013 (€ 157.289,28). The Italian society SiBioC received (€ 900.863,66). This will encourage full members to engage in participating in the IFCC working parties and in organizing events to promote the scientific work of the IFCC as leading organization in Lab Med.



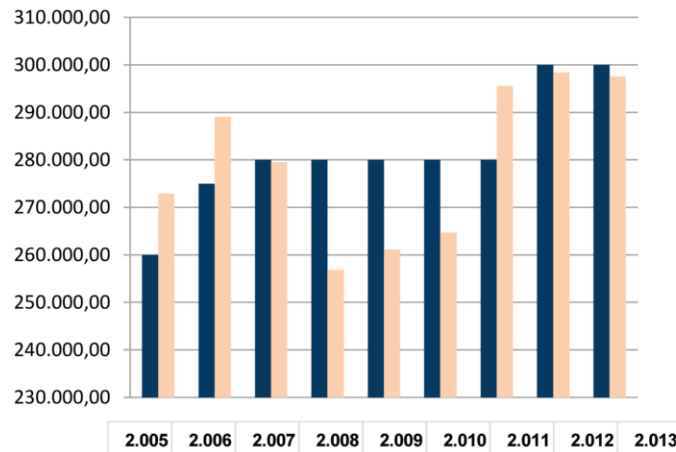
**Figure 4**

Shows expenses per functional unit (CHF 1.224.299) which are less than anticipated (CHF 1.588.554)

We have to thank the division chairs and IFCC officers who were able to carry out their work under strict constraints, since some of the budgets were cut by 20%, allowing new Tasks Force to be set up, to have a presence in consortiums like the harmonization project or funding of unprecedented projects like “El Microscopio” Radio in Argentina.

The financial contribution of 51 Corporate Members plays a key role (CHF 297.000), while we had the chance to integrate 7 new companies, we note with regret the departure of 5

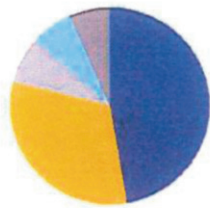
We must thank the companies for their continued support. It is interesting to see that most of their input focused on the view that funding levels has been increased significantly to support IFCC activities. The evolution of laboratory medicine will lead to new collaborations with the biomedical device, drug and information systems industries.



**Figure 5** shows the evolution of CM contribution during the past nine years (2005-2013). The level of funding provided is around CHF 300.000 since 2011.

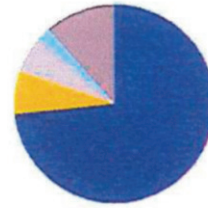
During 2013 regular contacts were established with our two banks based in Switzerland. IFCC continues to maintain three accounts in Euro, USD and Swiss Franc at Credit Suisse and an investment account at LGT Group - Private Banking and Asset Management. In 2012 the choice of the LGT balanced profile (figure) was benefit and successful with a final performance at +6,49% This year the performance was only +1,60%.(see figure)

**asset allocation**



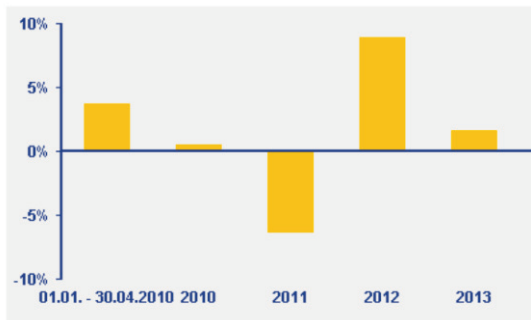
- equities (47.24%)
- bonds (31.71%)
- hedge funds (7.83%)
- liquidity (6.61%)
- various (6.62%)

**currency allocation**



- EUR (73.32%)
- USD (7.03%)
- CHF (6.02%)
- XAU (2.21%)
- others \* (11.43%)

**Figure 6** The LGT asset balanced profile and currency allocation (December 2013)



**Figure 7** LGT Portfolio Historic performance since 2010)



The reasons given by LGT are that the U.S. budget disputed weighed on markets towards September through October. Moreover, discussions about the tapering and how to implement it caused an important rise in interest rates in the US which reduced bonds attractiveness and performance. Consequently, bonds exposure were reduced in favor of cash that has been increased from 2% to 4%. Precious metals suffered major losses, the price of gold decreased further in the course of the year even if worries were increasing. The emerging markets also had a difficult year, hit hard in particular by the flows of capital back to developed countries. Moreover, interest rates were rising quite sharply and the bond part of the "balanced" strategy was harming the whole performance even if equity markets are still performing well.

So, at the end of 2013, it was decided to move again to a «growth profile» even if the equity markets are high and price-to-earnings ratio (P/E's) are looking quite rich, it is still the best asset to invest in. Indeed, central banks in Europe will continue their low interest rate policy as long as a strong growth doesn't show up in developed countries. The valuation of assets as at 31.12.2013 was € 2.580.448,29.

As usual, the 2013 financial statements were certified by Mr John Gates, Partner with Humphreys and Gates Audital who provided valuable guidance and expertise

**Bernard Gouget**  
Treasurer

## **CORPORATE MEMBERS**

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### **Corporate Representative at IFCC Executive Board: Thomas Brinkmann (Unilabs)**

*Second term: 2012-2014*

Corporate Members contribute significantly to the overall IFCC activities in all three Divisions and in their Executive Committees. Furthermore, Corporate Members' organisations continued in sponsoring IFCC workgroups and Scientific Awards. In addition numerous delegates from Corporate Members actively collaborated in most of the scientific workgroups.

#### *Number of Corporate Members*

By the end of 2013 the total number of Corporate Members increased to 51 with a total budgeted annual dues of 373,450 CHF representing 22 % of the IFCC total annual fees. 7 IVD companies joined IFCC as Corporate Member (Elga Lab Water Veolia (UK); Pharmaceutical Product Development, PPD (USA); Instrumentation Laboratory (USA); Shanghai Zhicheng Biological Technology (China); ADx Neurosciences (Belgium); Snibe (China); Fujirebo (USA).

Due to industry mergers 3 Corporate Members were lost: Innotrak Diagnostic (merged with Radiometer); Phadia (merged with Thermo Fisher); AbD Serotec (merged with Bio-Rad). One IVD companies withdrew their membership: de Gruyter.

### **Corporate Members' Meeting**

In 2013 two Corporate Members' meetings were organised in conjunction with international conferences: EuroMedLab 2013, Milan, Italy (May 20, 2013); AACCC in Houston, TX, USA (July 29, 2013). Meeting minutes and ToDo lists with have been distributed

### **IFCC Committees**

Corporate Members contributed in the following three IFCC divisions: Scientific Division, Joseph Passarelli as 2nd term 2013-2015 (Roche Diagnostics); Education & Management Division, Christoph Ebert as 1st term 2013-2015 (Roche Diagnostics); Communications & Publications Division, Bruce Jordan as 1st term 2011-2013 (Roche Diagnostics). In addition Corporate Members worked in many IFCC committees and workgroups.

### **Corporate Members at international conference committees**

#### **IFCC / EuroMedLab 2013, Milan, Italy**

*Francesco Caggiano (Menarini) has been appointed as consultant at the Congress Organising Committee (COC) representing IFCC Corporate Members.*

#### **IFCC / WorldLab 2014, Istanbul, Turkey**

*Thomas Brinkmann (Unilabs) has been appointed as member of the Congress Organising Committee (COC) representing IFCC Corporate Members.*

### **IFCC / EuroMedLab 2015, Paris, France**

*Christine Flandre (Sebia) and Ulrich Schwörer (Roche Diagnostics) have been appointed as members of the Congress Organising Committee (COC) representing IFCC Corporate Members.*

### **IFCC / EuroMedLab 2017, Athens, Greece**

*A Corporate Member for the Congress Organising Committee has to be appointed in 2014.*

**Thomas Brinkmann**  
Corporate Representative

## **COMMITTEE ON CONGRESSES AND CONFERENCES (C-CC)**

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### **C-CC Meetings**

C-CC held the thirtieth (30th) committee meeting on Sunday, May 19th, Milan Congress (MiCo) Center.

## **INTERNATIONAL CONGRESSES OF CLINICAL CHEMISTRY & LABORATORY MEDICINE (ICCLM)**

### **WorldLab Congresses**

#### **IFCC WorldLab Istanbul 2014 (22-26 June 2014 [www.istanbul2014.org](http://www.istanbul2014.org))**

The congress will be organized under the patronage of the President of Turkish Republic. The scientific program and the exhibition of WorldLab 2014 will be held at Istanbul Congress Center, Istanbul, Turkey. IFCC will sponsor five symposia at the congress and, for the first time in the history of IFCC WorldLab Congresses, eight Symposia will be organized by five regional IFCC Federations and three other Clinical Laboratory Organizations: APFCB, AFCB, AFCC, COLABIOCLI, EFLM, AACC, WASPaLM and BCLF.

Two satellite meetings will be organized: XIIIth International Congress of Pediatric Laboratory Medicine which will be held on June 20-22, and the IFCC POCT Satellite Meeting Istanbul 2014 titled "POCT Enabling Patient-Centred Care" which will be held on Sunday, 22 June 2014.

#### **IFCC WorldLab Durban 2017**

The Congress Organizing Committee (COC) President and Chair is Professor Rajiv Erasmus. The date for the congress venue has been confirmed as 22-26th October 2017. It will be held at the Durban International Convention Centre.

#### **IFCC WorldLab 2020**

A call for bids to host the 24<sup>th</sup> International Congress of Clinical Chemistry and Laboratory Medicine (ICCLM) in the year 2020 was sent to the Presidents/National Representatives of IFCC National Societies. The Executive Board has endorsed this recommendation.

## **IFCC REGIONAL CONGRESSES OF CLINICAL BIOCHEMISTRY AND LABORATORY MEDICINE**

### **AFCB 2015 Congress – Khartoum, Sudan**

ArabMedLab 2015 - 14th Arab Congress of Clinical Biology (AFCB) will be held in Khartoum, Sudan in November 2015.

### **AFCC 2013 Congress – Cape Town, South Africa (28-31 July 2013)**

The 3<sup>rd</sup> Congress of the African Federation of Clinical Chemistry was held in conjunction with the Laboratory Medicine Congress (LMC) at the Cape Town Convention Centre, South Africa, 29 – 31 July. There were 28 countries represented at LMC 2013. Guest speakers were supported by the Visiting Lecturer Programme of the IFCC. Prof Lai (Malaysia) was the international guest speaker. Three workshops were held prior to or after the congress: Beginners Course in Molecular Diagnostics, Multivariate analysis workshop and Laboratory Quality Management Workshop.

### **APFCB 2013 Congress – Indonesia, Bali (27-30 October 2013 <http://apfcbcongress2013.org>)**

Venue: Bali Nusa Dua Convention Center. Attendees: Participants + accompanying persons: 943 from 49 countries; Exhibitor: 400 for 80 booths. Awards: Poster Presentations: 1st PP014 (Winy Dju – Indonesia); 2nd PP008 (Johanis Chan – Indonesia), 3rd PP004 (Thyrza Laudamy Darmadi – Indonesia) and PP001 (Shanti Naidu Kamatham – India); Oral Presentations: Jean

Claude Forest – Canada (OP2), Shanmugapriya Chandrasekaran – India (OP3), Manhar Vanessa Lo – Hongkong SAR, China (OP4), Limei Luo – China (OP5), Phey Liana – Indonesia (OP6).

Trade and exhibition, 97 booths: 40 companies and 6 associations: IACC, APFCB, IFCC, AACC, WASPaLM, and ASCPaLM. 7 industry symposia: Becton-Dickinson, Roche, Mindray, Abbott, Siemens, Sysmex, and Beckman-Coulter.

**COLABIOCLI 2013 Congress - XXI Congreso Latinoamericano de Bioquímica Clínica – Perú, Lima (29 October - November 1, 2013 <http://colabiocli-lima2013.org>)**

Venue: Convention Centre Westin Hotel. Expected audience: 800 professionals One hundred speakers were invited from diverse areas of the clinical laboratory and laboratory medicine.

**EuroMedLab Congress 2013 – Milano, Italy (19-23 May 2013 [www.milan2013.org](http://www.milan2013.org))**

The 20<sup>th</sup> IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine and 45<sup>th</sup> Congress of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC) was held on May 19-23, 2013 - MiCo - Milano Convention Centre. Number of participants: 4.781.

The following Satellite meetings were organized: Fundamentals of porphyria – Lucerne Switzerland; Plasma proteins: from the basis to the optimal clinical application – Pavia, Italy; The quality of molecular methods in the age of personalised medicine – Florence, Italy.

Post-congress Meetings: Pharmacogenomics and theranostics in practice – Florence, Italy; Metrological traceability and assay standardization – Stresa, Italy; Cancer biomarkers – 2013 – Venice, Italy.

**EuroMedLab Congress 2015 – France, Paris (21-25 June 2015)**

Presidents of the EML congress were appointed: Philippe Gillery, Joelle Goudable and Bernard Gouget.

21<sup>st</sup> IFCC–EFLM European Congress of Clinical Chemistry and Laboratory Medicine (EuroMedLab Paris 2015) including the Journées Internationales de Biologie (JIB) 2015 will be held in Paris, France, on June 21-25, 2015 in the Palais des Congrès de Paris. The scientific programme includes an opening lecture, 4 plenary lectures, 17 Symposia organized by the Scientific Programme Committee and 6 organized by IFCC and EFLM, 39 Educational workshops and a poster session.

The following symposia proposals of three IFCC Divisions were approved by the Scientific Committee:

IFCC SD symposium: Improving patient outcomes through assay standardization; IFCC EMD symposium: The IFCC eAcademy; IFCC CPD symposium: Value and Impact of Laboratory Medicine in Patient Care: What is the Evidence?

Three proposals for Satellite meetings have been submitted: Pre-meeting 6<sup>th</sup> International Symposium "Critical Care Testing and Blood Gases" Versailles – June 18-19<sup>th</sup>, 2015; Pre-meeting on personalized medicine proposed by Prof. Michel Langlois to be held in Brussels; Post-meeting HbA1c and management of diabetes in the 21<sup>st</sup> century – Reims – 26 June 2015.

**EuroMedLab Congress 2017**

C-CC and EFLM jointly invited the bids to host EuroMedLab2017 with a closing date of December 31<sup>st</sup>, 2012. Three national societies submitted a bid to host the EuroMedLab Congress in 2017.

The venue for the IFCC-EFLM EuroMedLab Congress in 2017 was chosen by ballot at the EFLM General Assembly in Milan at the MiCo Congress Center. The winner of EuroMedLab2017 was Athens, Greece.

**IFCC SPECIALIZED CONFERENCES**

**14<sup>th</sup> Roche Bergmeyer Conference – Eibsee, Germany (3-5 March 2014)**

14<sup>th</sup> Bergmeyer Conference will take place from March 3-5, 2014 at Eibsee Hotel in Grainau, Garmisch-Partenkirchen, Germany. The topic of the 14<sup>th</sup> Bergmeyer Conference is Women's Health.

**3<sup>rd</sup> Siemens IFCC Conference – Toronto, Canada (24-25 October, 2014)**

The next Siemens Conference is planned to be held in Toronto, Canada in October, 2014. The topic of the conference is: Biomarkers in Neuropsychiatric Disorders

**IFCC-Abbott "Turning Science into caring" Symposium – Taipei, Taiwan (23-24 September 2013)**

The 6<sup>th</sup> Annual Asia Pacific and Japan Turning Science Into Caring (TSIC) Symposium, organized by APFCB and TSLM, IFCC and Abbott, was successfully held in Taipei, Taiwan on Sep 23<sup>rd</sup> – 24<sup>th</sup>, 2013.

The theme of the conference was Impact of Laboratory Medicine on Patient Care. There were approximately 250 attendees in spite of the typhoon.

The symposium had one Keynote speech, two plenary sessions and four workshops.

Presenting IFCC, Prof. Howard Morris chaired two plenary sessions, gave the keynote speech, a plenary talk on "The Global Harmonization Initiative" and a workshop talk on "Vitamin D: Clinical and Laboratory Perspectives". The feedbacks from attendees were very positive with an outstanding score of 4.54 out of 5 from hundreds of the feedback forms collected.

### **Bio-Rad Quality Conference in Latin America**

Bio-Rad has sponsored Quality meetings in Latin America for several years. There is a great interest for these meetings. The number of participants is around 2.000 (500 on site, 1.500 via internet). Rosa Isabel Sierra-Amor, PhD from Mexico is considering the possibility to organize these meetings as joint IFCC-Bio-Rad events.

### **CONGRESS GUIDELINES**

Guidance Outline for Organizing a National Society Congress and Guidance Outline for Organizing an IFCC International Congress was approved by the IFCC Executive Board.

C-CC decided to revise the “Scientific Program Guidelines and Satellite Meeting Guidelines for a WorldLab (ICCCLM)”.

Dr Peng Yin has agreed to prepare the guidelines for the future IFCC joint ventures with corporate members.

### **CONGRESSES WITH IFCC AUSPICES**

A total of 33 meetings in 2013 applied for IFCC auspices for their meetings and all of them were granted IFCC auspices.

**Tomris Ozben**  
C-CC Chair

## **SCIENTIFIC DIVISION (SD)**

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During 2013, the following members served on the SD Executive Committee: Ian Young (UK, Chair), Philippe Gillery (FR, Vice-Chair), Gary Myers (US, Secretary), Giampaolo Merlini (IT, Member), Christa Cobbaert (NL, Member), Naotaka Hamasaki (JP, Member) and Joseph Passarelli (US, Corporate Representative). Three representatives of International Organizations are invited to attend the SD meetings as consultants: Mathias Müller (JCTLM), Heinz Schimmel (IRMM) and David Bunk (NIST). Two meetings were held during the year 2013: May 18-19 (Milano, Italy) and October 25-26 (Bali, Indonesia).

### **Relationship with International Organizations**

The SD continues to pursue the expansion of its activities to partner with international organizations to promote the implementation of the concept of traceability in laboratory medicine and the implementation of reference measurement systems.

### **Joint Committee on Traceability in Laboratory Medicine (JCTLM)**

The JCTLM continues its work which is available for review on its database at [www.bipm.org/jctlm](http://www.bipm.org/jctlm). The Working Group 1 on Reference Measurement Procedures and Reference Materials continues its program of identifying and reviewing against agreed criteria (ISO standards 15193 and 15194). Cycle X for submission of reference materials and reference measurement procedures for consideration by JCTLM was conducted in May 2013. An important criterion for reference methods will be whether the method has been published in a peer-reviewed journal. For reference materials an important criteria will be whether the material has been evaluated for commutability and the existence of a statement of commutability in line with its intended use. Working Group 2 reviewed new nominations from candidate laboratories as part of Cycle VIII in May 2013 for Reference Measurement Services. A three day meeting of JCTLM was held December 3-5, 2013 in Paris; meeting of JCTLM Review Teams - 3 December; meeting of JCTLM Stakeholders and Members – December 4-5; meeting of the JCTLM Executive Committee – December 6. Session topics for the two day meeting of JCTLM Stakeholders and Members included: Session 1, Impact of Reference Measurement Systems on Clinical Evidence; Session 2, Commutability; Session 3, JCTLM Activities.

### **Institute for Reference Materials and Measurements (IRMM)**

Close collaboration with IRMM continues through a number of joint ventures involving SD Committees and Working Groups. IRMM will play a role in the implementation of new IVD legislation. In the current directive there are 4 risk groups to classify diagnostics A, B, C, D with group D considered highest risk. IRMM provides a potential entry point for comment on the situation for IFCC.

### **Clinical and Laboratory Standards Institute (CLSI) (formerly NCCLS)**

An updated list of joint CLSI/IFCC documents is available on the IFCC web site at: [http://www.ifcc.org/index.asp?cat=Publications&scat=CLSI \(Clin Lab Stand Inst\) - IFCC Joint Projects&rif=6&dove=1](http://www.ifcc.org/index.asp?cat=Publications&scat=CLSI (Clin Lab Stand Inst) - IFCC Joint Projects&rif=6&dove=1).

### **National Institute of Standards and Technology (NIST)**

NIST continues to undertake a large number of projects, many of which are of considerable interest to IFCC. Standard Reference Materials (SRM) released or slated for release in 2013 include: SRM 3667 (Creatinine in frozen human urine), SRM 1951c (Lipids in frozen human serum), and SRM 972a (Vitamin D metabolites in human serum).

### **European Federation of Clinical Chemistry and Laboratory Medicine (EFLM)**

The EFLM Scientific Committee and SD leadership agreed there should be close liaison and communication between the two groups. The purpose is to share information on activities and look for areas of mutual interest. Activities of the Committee focus particularly on promotion of research that translates the scientific results of clinical chemistry and laboratory medicine to clinical applications and improves patient outcomes through the appropriate use and interpretation of laboratory data in clinical practice. It was agreed the leadership of the SD and the EFCC Science Committee should meet formally once per year, preferably at a major conference.

### **World Health Organization (WHO)**

The WHO convened a Consultation on the Commutability of WHO Biological Reference Preparations for the in vitro Detection of Infectious Markers April 18-19, 2013 at WHO Headquarters in Geneva, Switzerland. The consultation was convened to discuss the options available to evaluate commutability of WHO biological reference preparations. Dr. Greg Miller, Chair, WG-Commutability attended the meeting on behalf of the SD.

## **REGIONAL AND OTHER CONGRESSES**

### **EuroMedLab 2013 - 20th IFCC-EFCC European Congress of Clinical**

Chemistry and Laboratory Medicine – Milano, Italy, May 19-23, 2013

IFCC SD Symposium on Harmonization in autoimmune testing (Chair: Ian Young): The importance of autoantibody testing in autoimmune rheumatic disease (Pier Luigi Meroni, Italy); Anti neutrophil cytoplasmic antibodies (C Kallenberg Netherlands); Anti cyclic citrullinated peptide antibodies (W van Venrooij, Netherlands); Harmonisation of auto-antibody measurement (J Sheldon, UK).

### **APCCB 2013 - 13th Asian Pacific Congress of Clinical Biochemistry**

Bali, Indonesia, October 27-30, 2013

IFCC SD Symposium on Standardization of Newer Analytes (Chair: Ian Young): Standardization of Carbohydrate deficient transferrin (F. Schellenberg, France); Quantitative protein measurement by mass spectrometry (S Lehmann, France); Standardization of PAPP-A (K Pettersson Finland).

### **Congresses with IFCC Auspices**

Listed on web pages for information only (<http://www.ifcc.org/ifcc-congresses-and-conferences/>)

### **CCLM Special Issue**

The following SD Cs/WGs contributed to a special issue of CCLM (2013; Vol 51 #5) to promote their work: Progress towards standardization: an IFCC Scientific Division Perspective (Editorial) – PGand IY; Recommendations for clinical laboratory science reports regarding properties, units, symbols: the NPU format (C-NPU); External Quality Assessment Scheme for reference laboratories – review of 8 years' experience (C-TLM); Utility of a panel of sera for the alignment of test results in the worldwide multicenter study on reference values (C-RIDL); Protocol and standard operating procedures for common use in the worldwide multicenter study on reference values (C-RIDL); Quantitative Clinical Chemistry Proteomics (qCCP) using mass spectrometry: general characteristics and application (WG-cMSP); Analytical goals for the determination of HbA2 (WG-SHbA2); Glucose meters – fit for clinical purpose (WG-GPOCT); Defining acceptable limits for the metrological traceability of specific measurands (WGAETR); A reference system for urinary albumin: current status (WG-SAU); Toward standardization of carbohydrate-deficient transferrin (CDT) measurements, Performance of native serum and serum spiked with disialotransferrin proves that harmonization of CDT assays is possible(WG-CDT).

### **Activities of Committees and Working Groups**

The Committees (Cs), which are theme-oriented, carry out much of the scientific and professional activities of the SD. Their work is often in close collaboration with other international organizations. For more specific tasks, the activities are usually accomplished through Working Groups (WGs).

## COMMITTEES

### C-Nomenclature, Properties and Units (C-NPU)

- Term of Reference 1.** Provide advice for the management, updating and publishing of the NPU terminology. **Accomplishments include:** Monthly updated versions of the NPU terminology have been available for download from the new IFCC website. Update search functions are available on the new website (co-ordinated by IFCC Communications and Publications Division). An NPU stakeholder meeting was held in Copenhagen, April 18, 2013.
- Term of Reference 2.** Make recommendations on NPU for reporting clinical laboratory data that conform to or adopt current standards of authoritative organizations and that will improve their utilization for health care. **Accomplishments include:** The "Silver Book" (Compendium of Terminology and Nomenclature of Properties in Clinical Laboratory Sciences) (joint IFCC CPD project + IUPAC 2008-033-3-700) is still undergoing revision. A project for establishing definitions for non-referenced terms in the NPU terminology is ongoing (IUPAC Project 2010-035-700).
- Term of Reference 3.** To provide a connection with other organizations concerned with NPU, such as the Bureau International des Poids et Mesures (BIPM), the European Committee for Standardization (CEN) and the International Organization for Standardization (ISO), and, by extension, clinical laboratory sciences societies, such as the International Union of Pure and Applied Chemistry (IUPAC). **Accomplishments include:** All of the above activities were jointly performed with IUPAC. A primary development was signing a Statement of Intent between NPU stakeholders for the ongoing development of the NPU terminology system.

### C-Molecular Diagnostics (C-MD)

- Term of Reference 1.** Foster dynamic exchanges between IFCC and molecular diagnostic laboratories and industry. The website contains links to other websites hosting resources relevant to molecular diagnostics including genetic and molecular genetics societies, gene sequence and mutation databases, primer design sites, and a number of other molecular diagnostic utilities.
- Term of Reference 2.** Produce guidelines on clinical validation of tests, conduct and report on molecular diagnostic tests. A consensus of available guidelines on molecular DX testing is available on the C-MD web page.
- Term of Reference 3.** Provide reference materials; and create a network of locus-specific IFCC Molecular Diagnostics Centers. C-MD Chair requested a report on activities from each of the Expert Molecular Diagnostic Centers to establish whether they wish to renew their membership and participation in the network of Expert Molecular Diagnostic Laboratories. Four completed reports were received.

### C-Reference Systems for Enzymes (C-RSE)

- Term of Reference 1.** IFCC Enzyme Reference Measurement Procedures: New 37°C IFCC enzyme reference procedures are being developed on the basis of the existing 30°C IFCC. **Accomplishments include:** Work on the development of a reference measurement procedure for pancreatic lipase continues. The Japanese group continued the optimization of the pancreatic lipase method based on DODG substrate. The reaction conditions were modified using different bile salts to reduce the interference of Hepatic lipase (HL) and lipoprotein lipase (LPL). Glycodeoxycholate was added and the reaction pH was lowered to 7.0, changing the buffer from bicine to BES. These modifications eliminated most of the interferences from HL and LPL. The preparation of the substrate was studied in detail and optimized. A manuscript of the modified method was prepared for submission to a journal.
- Terms of Reference 2.** Network of Enzyme Reference Laboratories: Coordination of a group of reference laboratories from hospitals, academy and industry, which are able to perform adequate measurements according to a list of stated requirements. **Accomplishments include:** Nothing was done for this term of reference

**Terms of Reference 3.** Enzyme Reference Materials: Evaluate reference materials provided by IRMM within the network of reference laboratories prior to certification. **Accomplishments include:** The commutability of 2 candidate reference materials for ALT and CK and one candidate reference material for LDH was evaluated. The experiment involved 9 analytical systems in eight different laboratories (4 in Italy, 1 in Ireland, 1 in Germany, 1 in France and 1 in USA). The elaboration of the results is now completed and the results were submitted to IRMM for evaluation.

### C-Traceability in Laboratory Medicine (C-TLM)

**Term of Reference 1.** Support activities regarding Traceability in Laboratory Medicine, permitting IFCC to continue its international role in this area and providing an operating link between the SD and the WGs of the Joint Committee on Traceability in Laboratory Medicine (JCTLM), concerning identification of reference measurement procedures, reference materials and reference laboratories. **Accomplishments include:** C-TLM provided input into the activities and operations of JCTLM Working Groups 1 and 2. C-TLM is collaborating with JCTLM to develop a process for de-listing reference measurement procedures from the JCTLM database that no longer represent the “state of the art”.

**Term of Reference 2.** Establish an External Quality Assessment Scheme (EQAS) for reference laboratories and act as an advisory committee. **Accomplishments include:** RELA ring trials are currently provided for 35 measurands. The results of RELA 2012 were published on the website in June 2013. The organizer received 294 results and 46 laboratories participated in RELA 2012. The organizer of RELA is prepared to add new measurands on request and as far as control material is available. Questions concerning the method been used (JCTLM listed: yes or no) and the accreditation status of the participant laboratory were added to the reporting form. C-TLM is considering whether it is useful to accept the reporting of standard deviations for enzymes or not since the origin of the data is probably not comparable. All results of RELA ring trials, the time schedule and the RELA procedure manual are published on the website of RFB: <http://www.dgkl-rfb.de:81>.

**Term of Reference 3.** Promote the establishment and maintenance of IFCC reference laboratory networks for clinically relevant measurands. **Accomplishments include:** C-TLM continues to monitor performance of the IFCC HbA1c Reference Laboratory Network.

### C-Reference Intervals and Decision Limits (C-RIDL)

**Term of Reference 1.** Review current concepts of establishing reference intervals and decision limits and to prepare state-of-the-art position statements regarding new avenues to make available reference intervals and decision limits that respect the requirements of international directives, such as the European IVD Directive 98/79, and relevant ISO standards. **Accomplishments include:** Two reports from the C-RIDL were prepared and published as part of the IFCC SD special edition of CCLM to promote discussion on this topic, “Utility of a panel of sera for the alignment of test results in the worldwide multicenter study on reference values” and “Protocol and standard operating procedures for common use in the worldwide multicenter study on reference values”.

**Term of Reference 2.** Determine priority list of analytes for which reference intervals and/or decision limits have to be developed. **Accomplishments include:** 53 analytes (26 biochemistry; 27 immunoassays) were selected to be tested as part of phase 1 of the worldwide study.

**Term of Reference 3.** To monitor and evaluate currently proposed reference intervals for selected analytes in the light of the concept of traceability and of the identification of the uncertainty. **Accomplishments include:** The Committee has agreed on a common collection protocol for sample collection. The Committee also agreed to by-pass global reference intervals in favor of regional reference intervals determined by following the common protocol.

**Term of Reference 4.** To establish transferability protocols of reference intervals and decision limits, which take into consideration inter-routine laboratory method variations and achieve better applicability in clinical practice. **Accomplishments include:** A proposed statistical approach will be published as part of the IFCC SD special edition of CCLM to promote discussion on this topic.

**Term of Reference 5.** To collaborate with other organizations and/or to undertake establishment of reference intervals or decision limits for analytes identified as a priority. **Accomplishments include:** Nothing to report

**Term of Reference 6.** To work in close collaboration with other Cs and WGs of SD for the development and appropriate clinical utilization of reference intervals and decision limits. **Accomplishments include:** Collaborated with C-RSE to collect samples from reference subjects for ALP.

### C-Standardization of Thyroid Function Tests (C-STFT)

**Term of Reference 1.** To develop reference measurement systems for free thyroid hormones and TSH. **Accomplishments include:** For TSH a reference measurement system based on the “all-procedure trimmed mean (APTM)” calculated by Factor Analysis (FA) was established. The general concept of harmonization according to this reference measurement system was published in Clin Chim Acta (K. Van Uytendaele, L.A. De Grande, L.M. Thienpont. A “Step-Up” approach for harmonization. Clinica Chimica Acta, available online 18 December 2013. The manuscript describing the statistical model to derive the consensus values for harmonization was accepted for publication in Clin Chem Lab Med. The approach uses a robust alternating regression method which can handle missing values and outliers.

**Term of Reference 2.** To establish a network of laboratories competent to offer reference measurement services for thyroid hormones. **Accomplishments include:** Four potential partners were identified and invited together with the UGent reference lab to form a network of FT4 reference laboratories. Currently 2 laboratories are already able to provide FT4 RMP services, i.e., UGent and the Reference Material Institute for Clinical Chemistry Standards (ReCCS, Japan) (note: only UGent is JCTLM listed). The laboratories from CDC (H. Vesper), Stanford University (J. Faix) and Radboud University (T. Van Herwaarden) also committed to join the FT4 reference laboratory network. A panel of 20 frozen sera from healthy subjects has already been collected to validate performance of the network laboratories.

**Term of Reference 3.** To provide an infrastructure for procurement of serum panels. **Accomplishments include:** Two centers have already started collecting samples for use in the final method comparison (Phase IV) study. A number of other centers have indicated a willingness to do so provided they can get approval from their institution’s ethics committee. Several commercial sources have been contacted to provide samples in the eu-thyroid concentration range. The intent is to include 120 samples from eu-thyroid donors in the final study in order to define reference intervals

## WORKING GROUPS

### WG-Standardization of Hemoglobin A<sub>2</sub> (WG-SHbA<sub>2</sub>)

**Term of Reference.** To promote the standardisation of hemoglobin A<sub>2</sub> measurement through the definition of an international reference system, including a reference measurement procedure and primary and secondary reference materials. **Accomplishments include:** Development of a reference method procedure: Anisotope dilution-mass spectrometry method is under development at the MS lab in Dusseldorf. In collaboration with the IRMM, the purity and peptide content of the synthetic peptides to be used as internal standards were defined. A set of samples with HbA<sub>2</sub> values covering the whole physio-pathological range were prepared in Milano for use in validating the method. Despite efforts to reach stable digestion conditions for delta and alpha chains, the results of primary measurements, although promising, were still unacceptable with regard to the goals needed for a primary reference measurement procedure.

The WG decided to investigate using recombinant hemoglobins as internal standards. A manufacturer able to produce recombinantly expressed unlabelled and labelled hemoglobins has been identified. To this regard, a new member, particularly expert in the field of recombinant proteins and reference measurement procedures for human proteins, has joined the WG (Dr. Cristian Arsene from the Physikalisches-Technische Bundesanstalt (PTB), the National Metrology Institute in Germany).

Secondary reference materials: Basal characterization of the second batch of CRM (prepared back in February 2012 using different lyophilization conditions in order to limit methemoglobin formation during long-term storage) was performed. The stability study (one-year stability at +4 °C) has been completed. The results indicated that the material is quite stable with respect to HbA<sub>2</sub> concentration and total hemoglobin content, but the formation of methemoglobin during storage at +4 °C has continued to occur.



## WG-Standardisation of Carbohydrate-Deficient Transferrin (WG-SCDT)

- Term of Reference 1.** Establish a network of CDT reference laboratories that perform the HPLC candidate reference method. **Accomplishments include:** The WG continues to work to develop a reference method for CDT. Studies 5 and 6 demonstrated that the over time stability of the results and between lab imprecision, although it could be improved, allowed the HPLC method to serve as a reference method for harmonization. Six laboratories belonging to WG members are running the HPLC candidate reference method. The number of reference laboratories could be soon increased with the arrival of Jean Deenmamode, UK, to the WG.
- Term of Reference 2.** Development of a reference material for CDT. **Accomplishments include:** A confirmatory calibration study (Study 4) based on native samples from 40 different individuals with variable CDT levels demonstrated that both lyophilized and frozen calibrators are stable over more than 24 months. A study (Study 5) was undertaken to confirm the harmonization potential of lyophilized and frozen calibrators determined in Study 4. After recalibration, the inter-method (HPLC, CZE, direct immunoassay) CV was reduced to 3.6% in individual patients.

## WG-Standardisation of Albumin Assay in Urine (WG-SAU)

- Term of Reference 1.** Establish a reference procedure and reference materials for the measurement of albumin in urine. **Accomplishments include:** Development of a Reference Measurement Procedure: The Mayo Clinic and NIST continue to work on the refinement of their respective LC-MS/MS candidate reference measurement procedures. Inter- and intra-assay precision of the Mayo Clinic method is about 1-2%. This procedure was used to assess the status of harmonization among commercial immunoassays project (term of reference 3). The NIST will validate its procedure by comparison with the procedure developed at the Mayo Clinic. It is anticipated the NIST procedure will enable assessment of the molecular forms of albumin in urine that may be of importance in the specificity requirements for routine measurement procedures.
- Term of Reference 2.** Establish recommendations for sample collection and handling to improve uniformity of results. **Accomplishments include:** A study to evaluate adsorption of albumin onto containers used for urine collection and urine albumin measurement has been completed by CDC and a manuscript has been prepared. The manuscript has been reviewed by SD and submitted to CCA for publication.
- Terms of Reference 3.** Status of harmonization among commercial immunoassays for UA (funded by NKDEP). The objectives of this project are to: 1) evaluate harmonization among methods for urine albumin using native human urine samples; 2) assess agreement of routine methods with an LC-IDMS procedure; 3) evaluate commutability characteristics of JSCC and diluted ERM-DA470k/IFCC reference materials for urine albumin; 4) evaluate basic performance characteristics of the urine albumin methods; and 5) compare harmonization of urine total protein and creatinine methods. **Accomplishments include:** Study findings include: 1) bias was greater than  $\pm 10$  percent for 14 of 16 quantitative methods vs. ID-LCMS indicating that standardization is needed, 2) several methods had non-constant bias with concentration suggesting that calibration technique needs investigation, 3) dilution caused changes in bias for some methods, 4) CV total was greater than 10 percent for five methods showing that improvement in precision is needed for those assays and 5) in general, sample specific effects were not clinically significant.  
Recommendations for manufacturers include: 1) method imprecision should be reduced, especially at low urine albumin concentrations that may influence CKD risk assessment, 2) methods that showed a non-constant calibration bias over the method measuring interval should investigate and correct this problem, and 3) methods with poor dilution protocols should improve their user information to include specified dilution buffers and validate their protocols for matrix bias.  
The UA harmonization manuscript has been accepted for publication in Clinical Chemistry.

## WG- Standardisation of Pregnancy-associated Plasma Protein A (WG-PAPPA)

- Term of Reference:** Develop a reference system for standardisation of PAPP-A measurement employed as marker for prenatal screening. **Accomplishments include:** In 2012 samples from the candidate standard material (pregnancy derived), recombinant dimeric PAPP-A and pooled first trimester sera diluted into different matrices were distributed to five companies with a recommended test protocol. The results were obtained in August/September from seven different test platforms (2 companies having two different test platforms). The pregnancy derived candidate standards as used in the WG were unable to bring harmonization between the 7 platforms evaluated.

## WG-Standardisation of Insulin Assays (WG-SIA)

**Term of Reference.** Improve the standardization of assays for insulin by the development of a candidate reference method and materials. **Accomplishments include:** In addition to the work by the laboratory at Albert Einstein Medical School to establish a reference method procedure (IDMS) for insulin, the WG has also been made aware of a mass spec method for quantitating insulin in serum developed and published by Nichols/Quest. The method is traceable to the NIBSC insulin standard (Clin Chem 2013;59:1349-1356). All the serum samples and pools have been collected, processed and stored as aliquots. The intent is for these materials to be value assigned for insulin by the IDMS RMP and used to sustain the program to harmonize results from manufacturers of insulin assays.

## WG-Standardisation of Troponin I (WG-TNI)

**Term of Reference 1.** Develop a candidate secondary reference measurement procedure and candidate secondary reference material for cardiac troponin I (cTnI). **Accomplishments include:** Candidate secondary reference procedure (immunoassay based measurement procedure of higher metrological order) for cTnI: The ELISA method has been developed. The cTnI pilot study indicated that the correlation between the cRMP data measured at NIST and data from all routine assays was poor. As a result, it is uncertain whether to proceed with further development of the assay.

Candidate Secondary Reference Material for cTnI: The WG conducted a pilot study to investigate the feasibility of preparing a commutable and stable secondary reference material for cTnI by use of serum pools. The cTnI pilot study has provided proof-of-principle that a blended serum pool composed of a minimum of 20 cTnI-positive patient samples and which is then diluted in a cTnI-negative serum pool can be used as a secondary reference material to harmonize cTnI measurement.

**Term of Reference 2.** Testing for cTnI standardization and clinical validation by comparison with validated commercial assays in a round robin study. **Accomplishments include:** Prior to this phase being undertaken a value transfer protocol for use with manufacturers' cTnI master calibrators must be defined.

**Table of Analytical Characteristics.** The Troponin and Natriuretic Peptide tables will continue to be updated by the WG-TNI. The WG proposes that results for serum troponin be reported in whole numbers and for the use of nanogram per litre as a unit which is acceptable to the Système International. SD expressed concern about removing the µg/L table at this point since some companies are still using µg/L according to manufacturers' package inserts.

## WG – Allowable Error for Traceable Results (WG-AETR)

The WG-AETR is being closed and the project activities will be assumed by the C-TLM.

## WG – Harmonization of Autoantibody Test (WG-HAT)

**Term of Reference 1.** To evaluate what are the main causes of variability for a number of diagnostically critical autoantibodies. **Accomplishments include:** The WG-HAT continues to investigate areas identified for variability in autoimmune serology testing.

**Term of Reference 2.** To identify autoantibodies where a common calibrator could reduce the inter-assay variability. **Accomplishments include:** The WG identified the following autoantibodies as candidates for common calibration: IgG antibodies to proteinase III; IgG antibodies to myeloperoxidase; IgG antibodies to glomerular basement membrane; IgG antibodies to cardiolipin and beta-2 glycoprotein 1; and IgG antibodies to cyclic citrullinated peptides.

**Term of Reference 3.** To identify or produce commutable materials that could be used as interim calibration material for autoantibody assays. **Accomplishments include:** Update on MPO material: short term stability and homogeneity have been successfully evaluated and the material is behaving well; approx. 30mg of IgG anti MPO has been purified by affinity purification; 3500 vials have been processed, characterized and calibrated against ERM DA 470K. Update on cardiolipin antibodies and beta-2 glycoprotein: more beta-2 glycoprotein is being purified; a method for quantification of IgG by mass spectrometry is under development. Update on PR3 material: the data from the commutability study have been analysed, some assays are giving non-correlating results.

**Term of Reference 4.** To produce well-characterized pure antibody preparations with known concentration and identity and use these to transfer values to a matrix preparation. **Accomplishments include:** None

#### **WG – Quantitative Mass Spectrometry Proteomics (WG-cMSP)**

**Term of Reference 1.** To define appropriate operating procedures to perform quantitative mass spectrometry analyses for peptides and proteins from biological fluids. **Accomplishments include:** this is a new term of reference that was added in parallel with the renewal of the WG in 2013.

**Term of Reference 2.** To evaluate the specification and the need for reference materials for quantitative proteomics applied to clinical biology. **Accomplishments include:** WG produced a scientific report that is now in press in CCLM titled, Quantitative Clinical Chemistry Proteomics (qCCP) using mass spectrometry: general characteristics and application.

**Term of Reference 3.** To design of a Quality Assurance/Quality Control (QA/QC) Program and to select a small series of analytes to be the subject of a future multi-site validation study. This Term of Reference is related to work done for Term of Reference 4.

**Term of Reference 4.** To test the implementation in clinical laboratories of quantitative mass spectrometry analyses for peptides and proteins, using the examples of hepcidin and apolipoproteins. **Accomplishments include:** Hepcidin was selected since it can be measured in different body fluids, with different MS approaches, ELISA and reference RIA methods exist for comparison, and it has a clinical interest. The detection of hepcidin has reached a clinical level (LOD, LOQ, linearity, repeatability and reproducibility satisfactory for clinical application). The comparison with a reference ELISA test was also satisfactory (regression and Bland-Altman test).  
The WG selected Implementation of quantitative assays (SRM/MRM/PRM) on trypsin digested blood samples with a focus on apolipoproteins. The goal is to define a common multiplex assay on several apolipoproteins (apoE, apoA1, apoB) to be detected in the blood after trypsin digestion.

#### **WG-Parathyroid Hormone (WG-PTH)**

**Term of Reference 1.** Collaborative educational effort to encourage worldwide implementation of PTH IS 95/646 and to assess the effect of this on between-method agreement. **Accomplishments include:**  
WG agreed that a definitive assessment of the commutability of IS 95/646 should be undertaken as a priority. Due to the instability of PTH both lyophilized and fresh frozen pools will be tested.

**Term of Reference 2.** Definition of inclusion / exclusion requirements for an appropriate panel of sera and plasma with which to establish reference intervals and establishment of such a panel with support from the clinical community and diagnostics manufacturers. **Accomplishments include:** The WG has established parameters for the panel of sera. The proposed panel will include both serum and EDTA plasma samples. If these are to be from the same patient, blood units will need to be divided into two, increasing the complexity. Single donations are desirable. The panel will need to include samples from a reference population and also pathological samples included from dialysis and hyperparathyroid patients. A panel comprising 20 "healthy" patients and 20 chronic renal failure/other patients was suggested.

**Term of Reference 3.** Development of a reference measurement procedure for PTH(1-84) to a standard that would enable its adoption by the IFCC reference laboratory network. **Accomplishments include:** The WG is considering the Mayo Clinic method for measurement of 1-84 PTH by immunocapture coupled with LC-MS/MS as a reference method procedure for PTH. The method has been validated for clinical use, but is not being used routinely at Mayo. If the method goes forward as the PTH RMP it will be necessary to set it up in a second laboratory (e.g. at CDC). SD recommended that the WG prepare a proposal to send to KDIGO indicating the need for standardization of PTH measurement. WG has received financial support for project from 5 corporate member companies.

## WG – CSF Proteins (WG-CSFP)

- Term of Reference 1.** Develop an international reference material for cerebrospinal fluid (CSF).  
**Accomplishments include:** Collection of CSF material and preparation of the reference material: University of Gothenburg, Sweden has collected a large (5 liters) pool of CSF to be the basis for the reference material; A study has been performed to test that no individual high-volume sample shows interference in the mixing to obtain the pool; A first commutability study has been done; Studies have been planned to test the stability and homogeneity of the reference material.  
A commutability study has been performed, in which the mass spec method for A $\beta$ 1-42 is compared with several immunoassays (ELISA, Luminex, and MesoScale), when analyzing a large series of individual patient samples, as well as aliquots of the CSF reference material. The analyses show high correlations between the SRM method and the immunoassays, and also a very good commutability of the collected reference material, but not for different variants of artificial CSF. A manuscript with all of these results is in preparation. An amount of A $\beta$ 1-42 has been obtained that will be quantified by amino acid analysis in a certified laboratory. This will be used as the master calibrator, and also distributed to the labs doing the mass spec method.  
Establishment of a mass-spec reference method procedure for A $\beta$ 1-42 in CSF. There are five laboratories that are working on this in a collaborative effort, including University of Gothenburg, Sweden (Blennow and Zetterberg). University of Pennsylvania, USA (Shaw and Korecka), PPD(Jenkins), Waters (not part of the IFCC WG) and Roche. All labs have developed mass spec assays for CSF A $\beta$ 1-42. The assays have been compared in a detailed Round Robin study in which both human CSF samples and the calibrators have been analyzed in all labs. The results show very good correlations and agreements between assays. In this Round Robin study, the candidate Reference material was included as one sample, and if data from each laboratory were corrected based on this sample, the agreement between methods was excellent.

## WG – Standardization of Bone Marker Assays (WG-SBMA)

This is a joint activity with the International Osteoporosis Foundation

- Term of Reference 1.** Standardize or harmonize (as technically feasible or appropriate at this time) clinical assays available for routine and research use for the serum assay for C-telopeptide fragments of collagen type I  $\alpha$ 1 chains containing the epitope Glu-Lys-Ala-His-Asp-s-Gly-Gly-Arg in an isomerised form (also known as serum Crosslaps (CTx)). **Accomplishments include:** Analyses of CTx values assayed by current clinical laboratory procedures on some 100 patient serum specimens, which were frozen and thawed more than once before analysis, demonstrated significant differences between methods. Further analyses on some 40 patient serum specimens that were frozen and thawed only once demonstrated comparability between CTx methods. These data suggest that preanalytical factors may be crucial for harmonization of current clinical methods. It has been agreed to conduct a verification study to confirm the relationship of CTx values amongst the current routine assays. The design of the verification study protocol has been largely completed and collection of patient specimens in some regions has commenced. The number of centres involved in the laboratory study has increased from the two original laboratories (Liege, Belgium and Athens, Greece) to include Sheffield, UK and Rochester, Mn USA. Considerable negotiation has occurred with the National Bone Health Alliance WG on bone turnover markers with regard to collaboration on the verification and discussion on a common protocol has made significant progress. A single joint study is planned although final agreement is yet to be reached.
- Term of Reference 2.** Standardize or harmonize (as technically feasible or appropriate at this time) clinical assays available for routine and research and the serum assay for N-terminal Propeptide of Type I Procollagen (P1NP). **Accomplishments include:** The design of a verification study protocol for analysis of comparability of routine CTx assays has been expanded to include analyses of PINP using current clinical laboratory assays has been largely completed and collection of patient specimens in some regions has commenced

## WG – Commutability (WG-C)

This is a new WG established in 2013 by the SD. The Terms of Reference along with WG progress include the following:

- Term of Reference 1.** Establish operating procedures for the formal assessment of the commutability of a reference material intended for use as a calibrator, trueness control or EQA sample, taking into account different measurement procedure properties and categories of traceability described in ISO 17511. **Accomplishments include:** A list of considerations has been prepared and prioritized for task forces to begin to address developing consensus approaches during 2014.
- Term of Reference 2.** Establish how to define the degree of commutability which is required for a given reference material, taking into account its intended use and the intended use of the measurand. The degree of commutability becomes the criteria used in the assessment process. **Accomplishments include:** A list of considerations has been prepared and prioritized for task forces to begin to address developing consensus approaches.
- Term of Reference 3.** Propose standard terminology to describe the degree of commutability of a reference material, taking into account its intended use.
- Term of Reference 4.** Provide guidance to manufacturers and laboratories about what information should be provided by manufacturers in relation to the commutability of reference materials used to establish the calibration traceability of a measurement procedure.
- Term of Reference 5.** Develop educational materials regarding commutability for manufacturers, laboratories and users of laboratory results.
- Term of Reference 6.** Advise IFCC Committees and Working Groups on how to assess the commutability of materials on which they are working.

*Ian Young*  
SD Chair

*Gary Myers*  
SD Secretary

## EDUCATION AND MANAGEMENT DIVISION (EMD)

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The committees and working groups of the Education and Management Division (EMD) have worked hard during the year to improve educational resources for IFCC member countries, particularly those developing their laboratory medicine services. The emphasis has continued to be on analytical and service quality and on emerging technologies.

The EMD Executive Committee (EC) met twice during the year, in May in Milan (IT) on occasion of the EuroMedLab Congress, and in October in Bali (ID) on occasion of the APFCB Congress. All the members participated to the two meetings. Much of the work of the EMD requires both EMD Officers and international scientific experts to travel to conduct workshops and make presentations at congresses in IFCC member countries. To finance this, we are dependent on the generous sponsorship of our Corporate members, particularly Abbott Diagnostics, which provides very generous support for the Visiting Lecturer Programme (VLP), very ably co-ordinated by Leslie Lai and from July 2013 by Elizabeth Frank. During 2013, 16 applications were approved from the following countries: Algeria, Argentina, China, Colombia, Greece, Guatemala, India, Jordan, Mexico, Norway, Poland, South Africa, Uruguay, Vietnam, Zambia and Zimbabwe. Several VLPs are already scheduled for 2014 and we would welcome applications from National Societies for visiting lectureships for the coming year.

The EMD remains committed to the project for Developing Quality Competence in Medical Laboratories (DQCML), chaired by Michael Thomas who has been re-appointed for the second term up to the end of 2014. A meeting of the DQCML project team and Graham Beasall was held in Milan during the EuroMedLab. After a very interesting discussion several points were clarified.

- Term of Reference 1.** Informing emerging laboratory services on all aspects of quality, but concentrating particularly on internal quality control, external quality assessment and working towards laboratory accreditation with the adoption of a quality system, in line with the international standard ISO15189. **Accomplishments**

**include:** A 'Looking Forward' workshop was held in May 2013 under the chairmanship of the IFCC President, Graham Beastall, to consider a more proactive role for DQCML in supporting the development of quality laboratory medicine in emerging nations. In particular the workshop examined the WHO-Afro stepwise approach to laboratory accreditation and how DQCML and EMD may align with this program. With the excellent assistance of the IFCC Office, the program was re-launched in Autumn 2013. A promotional leaflet was circulated to all National representatives and Presidents of IFCC National members' societies. <http://www.ifcc.org/media/237825/2013%2009%2012%20DQCML%20leaflet.pdf> A formal application process has been developed together with the requirement that supported country feedback on the benefits of the support received. Dr. Ian Watson delivered lectures in St. Petersburg and Moscow on "The Interpretation of Laboratory Tests". The lecture in Moscow was broadcast to a number of other cities across the Russian Federation.

List planned activities in 2014 for this Term of Reference: Although there have been a number of expressions of interest, no formal applications have been received.

It is anticipated that during 2014 the following National Societies will approach DQCML for assistance as all have expressed interest in the program: Russian Scientifically-Practical Society of Specialists in Laboratory Medicine, Association for Clinical Biochemistry Sri-Lanka, Romanian Society of Laboratory Medicine, Clinical Chemists Association of Kenya, Ukrainian Society of Clinical Laboratory Diagnostics. DQCML will provide support to the QA Project being established in Zambia under the direction of Dr Renze Bais. An educational seminar will be scheduled for 2014 and DQCML will provide logistics and support for this, as appropriate.

Additional information: Collaborative work is now being undertaken on distance education by engaging in joint initiatives with both C-DL (Janet Smith), and C-IeL (Peter Vervaart). This remains at an exploratory stage. The core Project Board will meet on 23rd June 2014 in Istanbul during WorldLab 2014.

Publications: Publications associated with the work undertaken by DQCML are published under the auspices of the appropriate IFCC Committee, usually C-AQ and C-CLM, rather than DQCML itself. To avoid duplication with VLP and other Committees, DQCML applications should be approved by the EMD Chair.

#### **IFCC Committee on Clinical Laboratory Management (C-CLM)**

The Committee C-CLM functioned under the chair of Dr John Krahn up to last September when the chair stepped down. The EMD-EC evaluated all received nominations for three positions. At that time only one candidate seems to be eligible for the Member position. Therefore, it has been decided to extend the deadline call to February 15th. Now we received other three candidatures and we are at the final step of the member selection. Moreover we will nominate the new chair. After the nomination we will ask to have the plan of the activities of 2014. The EMD-EC evaluated the proposal for a joint CLMA-IFCC Task Force on "Meeting the Non-Technical Professional Development Needs of Medical Laboratory Leaders", which was in principle approved and will be further introduced to the C-CLM Chair.

#### **IFCC Committee on Clinical Molecular Biology Curriculum (C-CMBC)**

MN sent the report of the C-CMBC course held in Cape Town (ZA) in July 2013. The course was well received and successful. The course introduced the basics for understanding how to establish home-brew tests and do the proper internal and external quality assurance for them. The feed-back from the students was unanimous: the majority of the students responded that they benefit from the course very much, that they found the lectures very useful and interesting and the lab work sessions very stimulating, useful and interesting. All students were enthusiastic with the in-silico seminars, saying that they can practice this skill on their own in the internet anytime. Most students asked for a second course for consolidation of beginners skills together with a course on advanced molecular diagnostics, once they had started to practice their new knowledge. The ratings given in the evaluation sheets were in the highest quintiles for all criteria. Future activities should emphasised real-time PCR and bioinformatics. The commitment of the national societies was not entirely satisfactory with respect to some organisational matters. Specifically, IFCC should ask national societies to getting much more involved into the recruiting local students and interested participants from neighbouring countries of the venue. The manuscript reporting the 10-year C-CMBC experience was re-submitted to CCA.

#### **IFCC Committee on Analytical Quality (C-AQ)**

**Term of Reference 1.** To provide education and training on the various aspects of analytical quality in the clinical laboratory, which include: 1. Methods and Instrument validation; 2. Traceability concepts; 3. Measurement uncertainty; 4. Internal quality control procedures; 5. External quality assessment programs. **Accomplishments include:** Directory of EQA services: Aim: To establish a directory of worldwide EQA services. A worksheet has been established to collect information including country, organizing body,

EQA, website, e-mail, contact, open to international participation, disciplines. This has initially been distributed to C-AQ members & corresponding members. The IFCC Office will hopefully also distribute it to member countries. This database will be located on the C-AQ website as a resource for anyone wishing to join an EQA. List planned activities in 2014 for this Term of Reference To finalize the Directory of EQA services in 2014 and to designate this database on the C-AQ website as a source of useful information for anyone seeking contacts in his/her country on external quality assessment programs.

**Term of Reference 2.** Education and training will be provided in many ways including: 1. Written material; 2. Electronic teaching; 3. Workshop and seminars; 4. Invited lectures; 5. Consultation and advice. **Accomplishments include:** Develop e-learning Presentations; Aim: To work with the Committee on Distance Learning to develop presentations of the 'Principles of EQA' and the 'Principles of IQC'. The 'Principles of EQA' PowerPoint presentation is currently being prepared and discussions with the C-DL regarding the recording of the presentation are ongoing. List planned activities in 2014 for this Term of Reference: To finalize both PowerPoint presentations in 2014 and to provide these in collaboration with C-DL to interested IFCC members, parties and countries upon request, and also proactively in case that respective need is recognized by C-AQ, C-DL or any other IFCC body.

**Term of Reference 3.** To ensure proper control of pre-analytical and post-analytical variables. **Accomplishments include:** Planning an EQA Scheme; Aim: To develop a checklist of items that need to be considered by countries that are planning to design and set up their own EQA scheme. This is a re-modelling of a project that was previously called an Analytical Quality Checklist. The first draft has been presented to C-AQ and will be developed further. It will be placed on the C-AQ website when completed. List planned activities in 2014 for this Term of Reference: Complete the "EQA Scheme" checklist in 2014. Place it on the C-AQ website in 2014 for use by any interested organisation, party or country.

**Term of Reference 4.** To address the educational and training needs of emerging nations on analytical quality. **Accomplishments include:** Resource Table for EQA Website; Aim: To collate a directory of various relevant resources for pre & post analytical QA, IQC and EQA, which will reside on the C-AQ section of the IFCC website. This work was started in 2013 and is still being worked on. List planned activities in 2014 for this Term of Reference: Finalize the Resource Table for EQA Website in 2014. Additional information: Other ongoing C-AQ projects include: EQA Consultation: Aim: Upon request of an IFCC member country, assist them to set up an EQA program by: providing expertise on EQA organization and management; providing assistance with designing an EQA program; liaising with EQA providers; liaising with IFCC corporate members to provide suitable materials. The offer to provide EQA consultation by C-AQ members or other knowledgeable persons (experts) –provided that budgeting questions can be solved – will be continued in 2014.

Fundamentals of EQA: The document 'Fundamentals of EQA' was written by the C-AQ in 1996. It was on the old website. A gap analysis on this document has been carried out to ascertain whether it is still suitable for presentation. It has been decided that, although some areas require updating the guidance document is still relevant in many areas and will be again placed on the C-AQ website. An update should be done at a later stage. C-AQ meeting is planned in Istanbul.

#### **Committee for Evidence-Based Laboratory Medicine (C-EBLM)**

A symposium on Evidence Based Laboratory Medicine - Evidence in action: translating guideline recommendations into Clinical Practice (Chair: R Christenson, US) was presented at the 2013 EuroMedLab Meeting 2013 in Milano: -Does this medical test work better? Effectiveness of HbA1c POCT for management of diabetes (Chris Price, UK); Determining what works best: the Laboratory Medicine Best Practice Initiative (Robert Christenson, US); Translating evidence into practice: successes and challenges (Steve Kahn US); Evidence-based initiatives from New Zealand (Chris Florkowski, NZ). At the C-EBLM held in Milano, it was discussed how to disseminate EBLM information more broadly possibly through publishing articles in the IFCC newsletter. Dissemination would be the major topic at our next C-EBLM meeting. The outline for a workshop, symposium at the Istanbul meeting was put together. Continuous support to Hernan Taie's excellent "Iberian Laboratory Medicine Radio Station", is provided.

For the Istanbul 2014 WorldLab meeting, a symposium on Evidence Based Laboratory Medicine in Decision Making: A Value-Based Business Perspective, will be presented (Chair R Christenson, US): -How Industry Should Utilize Evidence Based Laboratory Medicine (Chris Price, UK); Developing evidence-based business cases in laboratory medicine: Test-based examples of evidence based effectiveness (Chris Florkowski, NZ); Should we License this Test? Practical Use of Evidence Based Laboratory Medicine Techniques (Rob Christenson, US). At the end of 2014 Prof Christenson will complete the second term. Prof Florkowski accepted to be the new chair at least for one term.

### Committee on Distance Learning (C-DL)

The C-DL started new activities and strong link with C-leL.

- Term of Reference 1.** To develop an IFCC strategy for distance learning, in partnership with the CPD Committee on the Internet and E-learning (C-leL). **Accomplishments include:** Continued close collaboration between the two committees has led to the strategy of developing an IFCC 'e-Academy'.  
List planned activities in 2014 for this Term of Reference: Establish an IFCC curriculum. Links from curriculum topics will provide access to related IFCC and external educational material.
- Term of Reference 2.** To provide educational material that can be used for on-line learning. **Accomplishments include:** Additional material has been posted on the website or links provided to access it. Material includes video and audio recording of IFCC symposia and workshops. List planned activities in 2014 for this Term of Reference: Continue recordings (with speaker permissions) of IFCC presentations and further collaboration with external organizations, including IFCC Corporate Members, to expand the reservoir of material.
- Term of Reference 3.** To solicit suggestions from National Societies, IFCC Committees, Task Forces and Working Groups to identify distance learning topic areas of value to IFCC **Accomplishments include:** Establish links with other EMD Committees with a view to material preparation. Further action may be based on the most popular topics, suggested in questionnaire responses provided in late 2011. List planned activities in 2014 for this Term of Reference: Review the preferences and circulate another questionnaire later in 2014.
- Term of Reference 4.** To identify and evaluate existing distance learning programs in relevant areas and with permission and collaboration, modify these as necessary to fit IFCC requirements. **Accomplishments include:** Material from external sources is routinely evaluated before being posted on the website. Increased sources of material have been identified. List planned activities in 2014 for this Term of Reference: Current practice and activity will be continued for material sourced through existing and new contacts.
- Term of Reference 5.** To develop new distance learning programs where none already exist. **Accomplishments include:** Ronda Greaves has been working to provide a comprehensive program for mass spectrometry, using material from a variety of sources. List planned activities in 2014 for this Term of Reference: The MS program will be further developed and uploaded to the website. Additional information: Negotiations are currently on with Siemens and Whitehat Communications to both prepare and identify distance learning material for the website. The Committee will meet in Istanbul. The EMD-EC suggested that the list of e-tools should be listed by topics and titles descriptive of the contents. Moreover, C-DL should contact companies to see if they can provide ready-to-use e-material to be uploaded on the website.

### Working Group on Laboratory Errors and Patient Safety (WG-LEPS):

Dr. L Sciacovelli has been appointed as new chair of this WG. Project: The adoption of Quality Indicators (QIs) has prompted the development of tools to measure and evaluate the quality and effectiveness of laboratory testing, first in the hospital setting and subsequently in ambulatory and other care settings. While Laboratory Medicine has an important role in the delivery of high-quality care, no consensus exists as yet on the use of QIs focussing on all steps of the laboratory total testing process (TTP), although the International Standard ISO 15189:2012 for Accreditation of Medical Laboratory requires their implementation. In order to promote the harmonized use of QIs and reduce errors in laboratory testing, the IFCC Working Group on "Laboratory Errors and Patient Safety" (WG-LEPS) developed a project on QIs. The purpose of the project is to design a routine, formal, proactive system of monitoring that uses validated measures to focus strictly on laboratory performance creating a common reporting system based on standardized data collection, and to define the state-of-the-art and quality specifications for each QI independent of: a) the size of organization and type of activities; b) the complexity of processes undertaken; c) different degree of knowledge and ability of the staff.

The achievement of a consensus on the typology and the limits of acceptability for quality indicators, above all for the extra-analytical processes, should allow a reliable comparison to be made between the data collected from the different laboratories and the achievement of effective benchmarking at international level, for the development and the application of standardized operative procedures and scientific recommendations to manage the various critical processes. The final goal is to define a Model of Quality Indicators (MQI) that will be proposed to, and applied by, all clinical laboratories in order to monitor processes and encourage improvement in performances so as to decrease the error rate in the total testing process. In the 2013, the MQI included 56 QIs related to key processes (34 pre-, 7 intra- and 15 post-analytical phases) and 3 to support processes. The laboratory results are collected on the specifically-developed website ([www.ifcc-mqi.com](http://www.ifcc-mqi.com)) which allows interested laboratories to require the



password to eventually introduce the data from his/her institution for each quality indicator. The MQI is managed as an EQAP through which laboratory results are evaluated in comparison to the results of all participating laboratories using the sigma metric method. Current Activities. As a further step of this project, the WG LEPS has organized a Consensus Conference to design a road map for the harmonization of QIs. The Conference, held in Padova on October 24th, 2013 and titled "Harmonization of quality indicators: why, how and when?" aimed to bring together all experts and interested parties and to find a preliminary consensus on the steps towards harmonization of QIs.

### **Flow cytometry (WG-FC)**

Ulrich Sachs was unable to participate at the EMD-EC meeting in Milan.

Following an intermediate disruption and after the first flow cytometry course held in Leipzig in February 2012, a second course was organized in co-operation with the ESCCA in Saint-Etienne in France last April. The focus was the monocyte-macrophage system. The local organizer was Prof. Claude Lambert.

The third course has been planned for April 24-26 2014 for Vienna, Austria. Program is under development, locally organized by Andreas Spittler. Additionally, US is preparing organization of some international flow cytometry courses outside Europe. In September 2013, US went to Brazil to meet some colleagues in Rio de Janeiro and Sao Paulo. In December 2013 US went for a second trip to Sao Paulo to make final arrangements. A symposium arranged by US was selected for the WorldLab Congress in Istanbul "Immunodeficiencies - A cutting edge workshop representing top research and novel diagnostic options".

*Maurizio Ferrari*  
EMD Chair

## **COMMUNICATIONS AND PUBLICATIONS DIVISION (CPD)**

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This was the first year of Khosrow Adeli' first term as CPD chair. Two face-to-face committee meetings were held (Milan in May, Bali in October). There were two CPD symposia at the Milan EuroMedLab (on Public Relations and Value of Laboratory Medicine) and Asian-Pacific Congress of Clinical Biochemistry in Bali (on Internet and Distance Learning). A new agreement was signed at the AACC conference in July, officially selecting Clinical Chemica Acta (CCA) as the new official journal of the IFCC for the next five years. A new contract was also signed with Insoft Digital to publish the future editions of the IFCC eNewsletter and eJournal. A new website editor (Janine Grant, Australia) was also appointed in 2013 and has already initiated improvements and updates to the IFCC website. Peter Vervaart and Bruce Jordan completed their first term in office and have been appointed to a second three year term.

### **Committee on Public Relations (C-PR)**

There has been one C-PR meeting in Milan to which all the Committee Members were in attendance, except for Dr. Susan Matthews who had sent her regrets. Were also present Dr. Katherina Psarra and Dr. Emmanuel Agbedana. Dr Ellis Jacobs (EJ), representing the IFCC on the LAV Consortium was also present.

There will be a meeting in June in Istanbul

### **Decisions & Actions**

After final consult with the members of the C-PR, a letter has been sent to all Member National Societies and Regional Federations offering them the possibility of using the IFCC PR documents by adding their own logos. The essential message was: "the CPD-EC is offering the National Societies and the Regional Federations to add their logos to that of the IFCC on each document they wish to use. Acknowledging that there are national and regional specificities, there is also the possibility to adapt these documents to the local environment. To preserve constancy in the content, please note that the original English version remains the official IFCC document." This offer was greatly appreciated as witnessed by the numerous feedback emails received both by the IFCC office and committee chair.

### **Labs Are Vital Consortium**

Edgard Delvin (ED) attended the Press Conference held during the AACC Annual Meeting in Houston last July. After having met Richard Kent, Director of the LAV Consortium, ED submitted his candidacy to the position of Clinical Editor for the Consortium to represent the C-PR, and henceforth been nominated Clinical Editor for the Consortium, thus being the IFCC CPD representative. ED met with Richard Kent, Director of the Labs are Vital Consortium and President of Kapler Communications Ltd, in December

in Paris. The team have determined the actions to be taken in order to feed the blogs and have drafted a time grid with 6 topics (<http://www.labsarevital.com>). So far 10 blogs have been submitted for publication on the web. Each article is to be reviewed by the Richard's team, before going online.

Articles include:

- 1) Work Flow Analysis of Around-the-clock Processing of Blood Culture Samples and Integrated MALDI-TOF Mass Spectrometry Analysis for the Diagnosis of Bloodstream Infections. Based on the publication: Schneiderhan W, Grundt A, Wörner A, Findeisen P, Neumaier M. *Clinical Chemistry* 2013;59:1649–56. Proposed by ED
- 2) Clinical Laboratory Radio: 'El Microscopio'. Proposed by Graham Beastall
- 3) When diagnostic testing leads to harm. Proposed by Graham Beastall
- 4) EU Directive 2005/36/EC: A new horizon to working across the European community. Proposed by Gilbert Wieringa & Nudar Jassam
- 5) One blog will be submitted by Rita Horvath based on her publication "From biomarkers to medical tests: The changing landscape of test evaluation" CCA 2013
- 6) Under heading of Community Experience or Evidence of clinical value, Trefor Higgins has submitted a text "Biliary Atresia-up close and personal"

#### **Taskforce on the Impact of Laboratory Medicine on Clinical Management and Outcomes (TF-ICO).**

ED recently contacted Mike Hallworth to inquire on the progress of the article on the impact of clinical laboratory on patient care and on cost/benefits stemming from the research that the group had performed. ED has proposed that data be used in a short form for PR-Brochures and in existing or new PP presentations, and that these be translated into many languages much like the existing brochures.

ED also proposed that this article, in line with the mission of the LAV consortium, be commented as a blog. His response was positive and it will be submitted for publication.

#### **IFCC Public Relations Brochure**

After many attempts to convince the German & Portuguese Representatives to provide an updated version of the respective brochures, Silvia Colli-Lanzi and ED have contacted Ullisses Tuma for the Portuguese version. So far we have not received the update. The same is reported for the German.

The IFCC brochure and the brochure on Understanding laboratory medicine are presently under revision.

#### **IFCC Young Scientist TF**

ED has met with Damien Gruson in Houston and discussed the possibility of having the IFCC Young Scientist TF help to promote IFCC to younger members of the medical laboratory science profession. He has agreed to see that documentation be sent to C-PR for inclusion into promotional brochures and slide kits. There has been little movement since the last report.

#### **El Microscopio**

ED has participated in El Microscopio with an interview on vitamin D last November. This initiative is in search of additional funding and tools for promotional purposes.

#### **Worldwide visibility of IFCC**

Upon Ramon Deulofeu's suggestion, we have to envisage the increase of the worldwide visibility of IFCC Committees, WG and task forces, at different levels (National Associations, Regional Federations, Professional Associations, Decision makers). ED had proposed that C-PR Committee Members be assigned to liaise with National Societies or Associations that are within their broad geographical region and/or linguistic realm to make known the activities and services of IFCC.

#### **Committee on Internet and e-Learning (C-leL)**

Ms Janine Grant is the new web editor following the resignation of Dr Andrew Lyon during 2013. Dr Sadaram Sanjeevi Rao has accepted a position as corresponding member to the C-leL. Further a call for nominations was held for a newly created position on the C-leL (from the current membership) of Social Media Coordinator with Dr Eduardo Freggiaro as the only, and successful, applicant. Eduardo will work in promoting the Social Media presence and activity of the IFCC through our Facebook, LinkedIn and Twitter accounts.

The C-leL continues to work closely with the Committee for Distance Learning and Insoft in developing electronic/distance learning materials and access for IFCC members utilising an 'e-Academy' approach which is discussed below.

A second trial of electronic voting utilising the Election Buddy platform occurred over the month of August and was highly

successful. In November the process went live with the election of the President, Treasurer and Secretary which will be followed by the rest of the EB in January 2014.

The IFCC LinkedIn group continues to grow (>1200 members) and we have also set up a company page so that interested individuals can 'follow' the IFCC. The Facebook page is growing at a slower pace however we have almost 100 members and >1300 likes. We have just set up a Twitter account which will be part of the new Social Media Coordinator's role to tweet about IFCC activities.

### **Web Site (PV)**

The website continues to develop under the tutelage of Insoft our website vendor. The most recent enhancements have been the embedding of Social Media tools (Add This) on to the pages which allow users to share the content through their social media contacts. A further enhancement under current development is to convert the web pages to a responsive layout which means that the content will be properly sized whether viewed on a PC, tablet or smartphone.

### **Website Statistical Report**

There were over 132,000 visits to the IFCC website during 2013, with 72% being return visitors.

Phase II of the website will include a responsive layout, eAcademy, and capacity for eCommerce. Insoft have developed a number of options in each of these areas and are currently putting together a quotation on each area which will be presented to the committee for approval and staged development.

The 'Register of Experts' database has now been activated and is available to trial group of national societies before being expanded to all IFCC members. The NPU database continues to be uploaded on a monthly basis.

### **Distance Learning Programs and eAcademy**

The distance learning pages of the website continue to develop and we are now able to offer access to a significant amount of content which has been reviewed by the C-DL. Jointly the C-leL and C-DL have also asked National Societies for copies of their local post-graduate curriculums for review and compilation into an 'IFCC Curriculum' which we will use for tagging of learning programs on the website and also in development of the eAcademy. The final stage of the eAcademy will have a register of users and logins for the purpose of CPD tracking.

### **Publications**

The database (available on the website) continues to be updated as publications are forthcoming.

### **Silver Book**

Revision and updating of the "Silver Book": Compendium of Terminology and Nomenclature of Properties in Clinical Laboratory Sciences (IUPAC and IFCC Recommendations) continues and feedback from Robert Flatman (Chair, C-NPU) is that it's very close to release of a draft for public review.

### **Working Group on Electronic Journal of the IFCC (WG-eJIFCC)**

Four volumes of eJIFCC were published in 2013, all volumes are available at: [http://www.ifcc.org/ifcc-communications-publications-division-\(cpd\)/ifcc-publications/ejifcc-\(journal\)/e-journal-volumes/](http://www.ifcc.org/ifcc-communications-publications-division-(cpd)/ifcc-publications/ejifcc-(journal)/e-journal-volumes/)

### **Joining Committee on Publication Ethics (COPE)**

Signing up to COPE shows that eJIFCC intends to follow the highest standards of publication ethics and that will follow the Code of Conduct for Journal Editors. By joining COPE eJIFCC will help support promoting publication ethics. The editor of eJIFCC submitted the application to COPE. In April/May 2014 we expect a decision by the COPE administrators.

### **Indexing eJIFCC in PubMed Central**

PubMed Central® (PMC) is a free archive of biomedical and life sciences journal literature at the U.S. National Institutes of Health's National Library of Medicine (NIH/NLM). In keeping with NLM's legislative mandate to collect and preserve the biomedical literature, PMC serves as a digital counterpart to NLM's extensive print journal collection. Based on the decision of the CPD, the editor of eJIFCC (also on behalf of the publisher IFCC) submitted the application to add eJIFCC to PubMed Central. A decision by PubMed Central is expected in 2014.

### **Regulating the copyright of the manuscripts published in eJIFCC**

The copyright of the manuscripts published in eJIFCC was not regulated earlier. The sentence "Copyright © 2013 International Federation of Clinical Chemistry and Laboratory Medicine (IFCC). All rights reserved." has been added to all previous volumes.

### **Publication policy of eJIFCC: a platinum open-access journal**

In order to clarify and publicize the publication policy, the following paragraph has been added to the volume headings. "The electronic journal of the IFCC (eJIFCC) is a platinum open-access journal - i.e. there is no charge to read, or to submit to this journal. Our numerous high quality articles, debates, reviews and editorials are addressed to clinical laboratorians. The journal also publishes general news articles, IFCC publicity/news, educational material and has a letters section. Manuscripts are fully peer reviewed and immediately free to access and download from [www.ifcc.org](http://www.ifcc.org)"

### **Editorial board meeting of eJIFCC**

The official meeting of the editorial board was organized during the Euromedlab Congress in Milan (2013). The next meeting is scheduled for the IFCC Worldlab Congress in Istanbul (2014).

### **Working Group on IFCC News (WG-eNews)**

The WG membership consists of representatives from Spain, Serbia, Morocco, Nigeria, South Africa, Greece, Brazil, Canada, Cyprus, Malaysia, Mexico, Morocco, Nepal, Poland, Slovenia, Tunisia, Uruguay & Vietnam. Additionally, there are National Society liaisons from Australasia, Chile, Serbia, UK, USA, Paraguay, Spain, Taiwan, Pakistan, Latvia & Vietnam.

The schedule of 6 issues per year has been maintained with good content. The content can be seen on the IFCC Website [http://www.ifcc.org/ifcc-communications-publications-division-\(cpd\)/ifcc-publications/enewsletter/](http://www.ifcc.org/ifcc-communications-publications-division-(cpd)/ifcc-publications/enewsletter/). The eNewsletter is now better situated on the new Website and it seems that the number of visits have increased over the last year.

The relationship between IFCC and LabMedica International for the print publication of the IFCC News continues to be smooth and without issues.

The eNewsletter WG is now chaired by Professor Tahir Pillay as of January 2013, Professor Delvin having held this role for 6 years.

### **Working Group - Spanish (Ibero-american) Nomenclature and Translations**

The WG is working very diligently to continuously refine and update the RIA section.

## **DOCUMENTS FROM COMMITTEES & WORKING GROUPS**

### **Clinical Chemistry & Laboratory Medicine (CCLM) and Clinical Chemica Acta (CCA)**

The contract with Walter deGruyter relative to CCLM being the official journal of the IFCC, expired 22-Jul-2013. Currently, all IFCC documents are available free on the CCLM Web Site. Free access to full online version is available for all NR & PR of member societies, CR, EB, DC, and IFCC Regional presidents. As of August 2013, CCA has become the official journal of the IFCC and will be providing similar free access to IFCC documents.

### **Corporate Member Activities**

Bruce Jordan (Roche Diagnostics) is a very active participant in the CPD EC meetings and has provided great support materials for IFCC public relations documents such as slide kits and brochures. He will also be hosting the next CPD executive committee meeting in Basel, Switzerland.

*Khosrow Adeli*  
CPD Chair

## **IFCC TASK FORCES**

### **TASK FORCE ON ETHICS (TF-E)**

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Achievements during 2013: Posted white paper on publication ethics on IFCC website; Completed survey instrument, at IFCC office, on teaching of ethics.

Plans for 2014: Conduct survey of teaching of ethics, analyse results and publish findings.

Areas for Executive Board to Consider: Recruit new members for task force to replace DE Bruns, CA Burtis and MJ McQueen and possibly JJ Jonsson.

*David Bruns*  
TF-E Chair

## **TASK FORCE ON PAEDIATRIC LABORATORY MEDICINE (TF-PLM)**

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Achievements during 2013: The ICPLM 2014 planning is well on its way, a preliminary scientific program is on the website, [www.icplm2014.org](http://www.icplm2014.org); Contact made with special Paediatric Interest Groups of National Clinical Chemistry Societies: AACC PMF Division, DGKL Section "Paediatric Laboratory Medicine", CSCC Paediatric Focus group. These groups will be providing some financial support for the ICPLM meeting. In addition contact was made with Royal College of Pathologists, and the Australian Biochemical society who will also provide some financial support.

Plans for 2014: A successful meeting in Istanbul. Publicize meeting to encourage registration; Identifying scientific and/or clinical projects that could benefit the practice of Paediatric Laboratory Medicine; Continue the development of website; Develop a program for ongoing education in Pediatric Biochemistry.

**Vijay Laxmi Grey**  
TF-PLM Chair

## **TASK FORCE ON PHARMACOGENETIC - (TF-PG)**

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Achievements during 2013: Second draft TMPT guideline prepared and distributed among TF-PG, C-MD, advisory members and clinical associations (ECCO, BFM-group, BAD), discussion outcomes of feedback on TMPT draft at EuroMedLab Milan meeting; Presentation and discussion PG field for new developments/opinions and best target for next guideline: TAM/CYP2D6 status (Pharmacologists, Oncologist views), CYP2C19/clopidogrel (inventarisation with cardiologists), new: DPYD/5-FU; Survey IFCC members for clinical application/uptake TMPT and CYP2C19 testing; [www.pharmgkb.org](http://www.pharmgkb.org) identified as website with genotype-based dosing guidelines; Decision to share development in the PG-field as monitored by the TF-PG with IFCC members; Established contact for collaboration with ESPT, IUPHAR and CPIC (awaiting approval IFCC); Building IFCC PGx-network has started: list of laboratories made that use pharmacogenetics in a clinical setting has been composed.

Plans for 2014: Combined PGx-Laboratory Network meeting with ESPT (Santorini) (to be approved); Finish guideline TPMT; Start drafting one new guideline (CYP2D6/Tam, CYP2C19/clopidogrel, DPYD/5-FU); Expand IFCC-PG Network; Proposal PGx session for Paris 2015.

**Ron HN van Schaik**  
TF-PG Chair

## **IFCC and WASPaLM TASK FORCE ON CHRONIC KIDNEY DISEASE - (TF-CKD)**

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Achievements during 2013: Opening up of group to corresponding members to increase global reach 10 corresponding members adopted: Africa 2, Asia 2, South America 1, Europe 5; Meeting of members at Euromedlab in Milan; Report from IFCC meeting KL 2012 – interest in support for national CDK programs remains strong; Report on global creatinine assays – IDMS standardisation far from solved. Need to develop strategies for provisions and adoption where not readily available; Survey of IFCC corporate members regarding traceability of creatinine and cystatin C assays (responses received from only 5 corporations); Proposal submitted for joint activities between APFCB and Asian Forum for CKD Initiative (AFCKDI); Draft in preparation for web pages as addition to IFCC website to provide additional information on CKD and laboratory testing.

Plans for 2014: Members presenting on CKD at Symposium at IFCC Istanbul; Submissions for AACC for presentations (awaiting response); Continue to seek opportunities to support national laboratory medicine organisations with CKD testing; Prepare recommendations for creatinine measurement in settings where assays do not claim IDMS traceability

**Graham Jones**  
TF-CKD Chair

**Flavio Alcantara**  
(WASPaLM)

## **TASK FORCE ON IMPLEMENTATION OF HAEMOGLOBIN A1c STANDARDISATION (TF-HbA<sub>1c</sub>)**

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Achievements during 2013: Introduced two new laboratories into the IFCC Network; Worked with NGSP (US) to continue to provide a service; Give a number of talks and held meetings in Russia where HbA<sub>1c</sub> availability is limited and standardisation is poorly understood, this will be progressed next year; Worked with RECCS (Japan) to identify and correct differences in the two standardisation schemes (see "Issues" below) that had developed, this will be written up as a paper; Had several discussions with representatives of JCCLS regarding a second standardisation scheme in Japan; Developed a comprehensive questionnaire in conjunction with WHO and the International Diabetes Federation (IDF); Worked with WHO on a system for measuring HbA<sub>1c</sub> in developing countries; Have written a WHO publication on laboratory monitoring and diagnosis of diabetes; Will attend IDF meeting to discuss Consensus Statement 2013.

Plans for 2014: Further develop educational activities, these are important especially in Asia, Russia and South America; Work more closely with bigger manufacturers to identify issues in standardization; Work with the IFCC Laboratory Network to refine acceptance criteria; Circulate Questionnaire and analyse data.

**Garry John**  
*TF-HbA<sub>1c</sub> Chair*

## **TASK FORCE FOR YOUNG SCIENTISTS (TF-YS)**

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Achievements during 2013: Several sessions have been held in: Milano (Euromedlab), Houston (AACC) and some will be held in Bali and New Dehli; The sessions that have been held (Milano and Houston) have been the occasion to present the new chair, to meet some new members and to present the strategic plan for the following years and especially for 2013 and 2014. Even if these sessions have been attended only by around 10 people on average, there is a certain satisfaction as we have members who are coming regularly and quite active in their region (Argentina, Brazil, India, Nigeria, France, Belgium).

Plans for 2014: As to maintain and enhance the YSTF, we have launched the project of a White book focused on Young Scientists and the future of Laboratory Medicine. Such a project will let us better manage and organize the YSTF as we will nominate region representatives as country representatives. We asked for a binoma either at region level or country level as to ensure a backup and more comfort in terms of work. This White book is about describing the existing situation worldwide on who are the young scientists, where they are, what are they doing, what's their initial training like. It will also be the occasion to ask them at a global scale how they see themselves in short future and in long terms. The ambition of this white book is also to get the point of view of some major actors in Laboratory Medicine on what could be the future of Laboratory Medicine and moreover on what could be the various job descriptions for young scientists in this future. These major actors are: The Executive Board of the IFCC, Public labs and Universities, Private Labs (Big groups and smaller), IVD Industry, Biotechnology Industry and Politics.

**Damien Gruson**  
*TF-YS Chair*

## **TASK FORCE ON CLINICAL APPLICATIONS OF CARDIAC BIO-MARKERS - (TF-CB)**

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Achievements during 2013: The TF was created to develop educational materials on clinical use of the cardiac biomarkers. The TF focused on the use of new, high-sensitive cardiac troponin assays. In the current month (October) the TF members (full members and corporate members) have finished the draft and review of two short documents on "Analytical issues on high-sensitive cardiac troponin assays" and "The use of serial cardiac troponin values". The TF aim is to post the documents, after being reviewed by the correspondent IFCC bodies, at the IFCC web site. The corporate members agreed to endorse the documents. Thereafter, the short documents will be further developed for their possible publication in a clin chem journal and (ideally) in a cardiology journal.

Plans for 2014: The TF will finish its commitment by the end of the year. Thus, our plans are to submit the task done to the EB review. If the EB approves our work and wishes the TF continuity, we will plan new tasks. Regardless the final EB decision about the continuity, the TF members are compromised to end the pending tasks (basically, the final publication of the extended version of the short documents). Perhaps the TF should consider whether the heterogeneity of its composition is suitable for the most quick development of its tasks.

**Jordi Ordoñez-Llanos**  
*TF-CB Chair*

## TASK FORCE ON POINT OF CARE TESTING (TF-POCT)

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Achievements during 2013: Work group for “How should Glucose Meters be Evaluated for Critical Care” was established, it has met and is well on its way to producing recommendations; PoCT TF has almost completed a document on “Thinking of Introducing PoCT -Things to consider” which will be submitted for publication; Planning for inaugural PoCT Satellite meeting to be held in Istanbul, funding to help support this meeting has been successfully sourced from industry including Alere which is not currently one of IFCC’s corporate sponsors (total sponsorship sum \$20,000 plus sponsorship for 3 European speakers); Have established a PoCT Collaborative group which includes CLSI, AACC, AACB. And EFLM to discuss PoCT work being performed in respective organisations to identify areas for collaboration and potentially reduce duplication of work; Met with Rob Christenson at AACC to discuss collaborations with AACC:

Plans for 2014: Publish completed document “Thinking of introducing PoCT- Things to Consider; Establish 2 more working groups – one on using PoCT HbA1C for diagnosis; Develop PoCT web resources; Develop a database of POCT resources available on website – action from PoCT Collaborative group; Have a successful PoCT Satellite meeting – we will have a session asking participants what they would like the TF to focus on.

**Rosy Tirimacco**  
TF-POCT Chair

## TASK FORCE ON THE IMPACT OF LABORATORY MEDICINE ON CLINICAL MANAGEMENT AND OUTCOMES (TF-ICO)

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Achievements during 2013: Meeting in Milan to plan article for submission to Clinical Chemistry.

Plans for 2014: Achieve publication of article and disband; Participate in Worldlab Istanbul 2014 in IFCC symposium to report on work; Participate at AACC 2014 as Chair’s Invited Session on Measuring the Value of Laboratory Medicine

**Mike J. Hallworth**  
TF-ICO Chair

## ORGANIZATIONS (REGIONAL) AFFILIATED WITH IFCC

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There are five main Regional Professional Laboratory medicine organizations which can be considered IFCC regional partners:

- AFCB - Arab Federation of Clinical Biochemistry
- AFCC - African Federation of Clinical Chemistry
- APFCB - Asia-Pacific federation of Clinical Biochemistry
- COLABIOCLI - Latin-American Confederation of Clinical Biochemistry
- EFLM - European Federation Clinical Chemistry and Laboratory Medicine

More information about these affiliate organizations and their activities can be found on our website ([www.ifcc.org](http://www.ifcc.org)) and are included in the IFCC Annual report 2013, web edition.



African Federation of Clinical Chemistry

### AFRICAN FEDERATION OF CLINICAL CHEMISTRY (AFCC)

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The AFCC currently consists of 14 Member countries: Botswana, Egypt, Ethiopia, Ghana, Kenya, Morocco, Nigeria, Rwanda, South Africa, Sudan, Tunisia, Uganda, Zambia, Zimbabwe.

Election of the Executive Board to serve for the term 2014-2015 took place. The board members are: President: Prof Okesina (Nigeria), President-Elect: Prof Erasmus (South Africa), Secretary: Dr Matarira (Zimbabwe), Treasurer: Dr Amayo (Kenya), Members at large: Dr Charles-Davies (Nigeria) and Mr Lumano (Zambia). Prof Steenkamp (South Africa) remains on the board as Immediate Past-president.

### AFCC ACTIVITIES DURING 2013

- The website of the AFCC was launched ([www.afccafrica.com](http://www.afccafrica.com)).
- A course in Laboratory Quality Management took place in Zambia and Zimbabwe in March. A third course on LQM was held at the Two Oceans aquarium in Cape Town, South Africa in July.

- Students from Africa visited South Africa, specifically the laboratory of Prof Erasmus (Cape Town) and Prof Steenkamp (Pretoria). This was made possible by the support of PSEP. Reports were sent to IFCC e news.
- The 3rd congress of the African Federation of Clinical Chemistry was held in conjunction with the Laboratory Medicine Congress (LMC) at the Cape Town Convention Centre, South Africa, 29 – 31 July. There were 28 countries represented at LMC 2013. Of the Guest speakers were supported by the Visiting Lecturer Programme of the IFCC. Prof Lai (Malaysia) was the international guest speaker.
- Beginners Course in Molecular Diagnostics. The C-CMBC of the IFCC in collaboration with South African Association for Clinical Biochemistry (SAACB) and AFCC ran a Beginners Course in Molecular Diagnostics which preceded the LMC/AFCC congress. This was a first for sub Saharan Africa. The workshop was coordinated by Professor Michael Neumaier (IFCC C-CMBC), Professor Rajiv Erasmus (SAACB) and Professor Tandi Matsha (SAACB & corresponding member of the IFCC C-CMBC) and took place at the Tygerberg Hospital, Division of Chemical Pathology, Cape Town, South Africa.
- **Multivariate analysis workshop.** A 2-day course on **multivariate analysis** was held from 31 July - 1 Aug, just after the LMC/AFCC congress, and convened by Prof Ichihara from the Yamaguchi Graduate School of Medicine, Ube, Japan. In this hands-on educational course basic knowledge and techniques required for the practice of EBLM were provided with the aid of statistical software, StatFlex version 6.0.

## ACTIVITIES OF SOME MEMBER SOCIETIES

**Biochemical Society of Zambia (BCZ).** An induction Ceremony for Biomedical Professionals took place on 12 July at the University of Zambia. The Education & Training Committee undertook the task of reviewing the curriculum in order to strengthen the Laboratory Management Component. National Laboratory Professionals Week, an annual event took place 25-31 August. A project to Introduce External Quality Assessment to Selected Clinical Laboratories in Zambia in association with IFCC and Randox was initiated.

**Ethiopian Medical Laboratory Association (EMLA).** In 2013 the Executive Board to serve EMLA for the next years was elected: Mr Asaye Birhanu (President), Mr Eyob Abera (Vice President, Conference and Event Affairs), Mrs Yodit Alemayehu (Member, Research and Scientific Division Affairs), Mr Tekliln Biza (Member, Chapter office Affairs), Ms Milka Theodros (Member, Member Affairs), Mr Yosef Tiruneh (Member, Public Relation Affairs), Mr Achamyehel Mulugeta (Member, Education and Training Affairs). A Five Days training entitled “Quality Laboratory management System” was conducted from 18 – 22 September at Embilta Hotel Addis Ababa. The training was organized by EMLA in collaboration with The Ethiopian Health and Nutrition Research Institute (EHNRI). Thirty nine trainees (Medical Laboratory professionals, quality officers and Laboratory Managers) working in government health care facilities from four emerging regions (Afar, Somali, Gambella and Benishangul Gumuz) and Federal Hospitals (Black Lion, St. Paul, St. Peter, Alert, and National Blood Bank) participated. A Two day consultative workshop was conducted with the aim of Need Assessment of continuing Professional Development (CPD) and to finalize the draft document of the Scope of Practice for Medical Laboratory Professionals Practicing in Ethiopia (23 – 24 September, Addis Ababa). The 18th Annual Conference of Ethiopian Medical Laboratory Association (EMLA): Quality Laboratory Result, Influences Clinical Outcomes was held June 8 – 9th at Ghion Hotel, Addis Ababa, Ethiopia. Reports were submitted to IFCC e news.

### South African Association of Clinical Biochemistry (SAACB)

A single exit examination for specialists training in Chemical Pathology was approved which will be conducted by the College of Medicine of South Africa. A uniform curriculum was also approved. The National Health Laboratories (NHLS), which administers all public laboratories in South Africa, embarked on the task of Standardisation and Harmonisation of Methods, SOPs and reporting. A new Lab information system TRAK was rolled out in all National Health Laboratories. Three members of SAACB took up positions in IFCC committees/working groups. Prof Pillay was appointed editor of the IFCC Newsletter. Profs Pillay and Erasmus participated in the Laboratory Quality Management workshops. Members were actively involved in organising the 3rd AFCC conference and associated workshops.

### The Association of Clinical Chemists of Nigeria (ACCN)

ACCN membership was strengthened with numerous applications by young scientists. This is ascribed to the support provided by grants received for developing countries particularly the IFCC/Roche Travel grant/Professional Scientific Exchange Programme and recently the waiver for young scientists from registration fees for the conference and courses at the AFCC Conference in Cape Town, South Africa. Members have been appointed into various committees and task forces of the IFCC as members or corresponding members. Members have been promoted in various fields of their careers - the ACCN President (Prof Okesina) to Vice-Chancellor, the Vice-President (Prof Joseph Ahaneku) to Deputy-Vice Chancellor, the Past-President (Dr P.H.O. Amodu) and Prof Aaron Ojule to Chief Medical Director.

*Vanessa Steenkamp*  
AFCC President



## ARAB FEDERATION OF CLINICAL BIOLOGY (AFCB)

The AFCB is formed by eleven Arab countries: Algeria, Egypt, Jordan, Lebanon, Libya, Morocco, Palestine, Sudan, Syria, Tunisia and Yemen.

### EB 2012-2015:

- Pr Layachi CHABRAOUI, President (Morocco)
- Pr Mohammed SHAARAWY, Honorary President (Egypt)
- Dr Imad ITANI, Past-President (Lebanon)
- Dr Adel MASTORI, Vice-President (Lebanon)
- Dr Mohammed Hassane KAMIL, General Secretary (Soudan)
- Dr Ayad Aïssa ABBOUD (Lybia)
- Pr Molham ALHABOURI (Yemen)
- Dr Saloua AMARIN (Jordan)
- Pr Smail BELAZZOUG (Algeria)
- Dr Wadie KHROUF (Tunisia)
- Pr Osama Abdelmoutaal MANSOUR (Egypt)
- Dr Osama NAJJAR (Palestine)

### EXECUTIVE BOARD MEETINGS

The first meeting held in Amman during the Annual Meeting 2013 of the Jordan Society for Medical Laboratory Sciences (JSMLS) on March 23-25, 2013.

The EB-members were informed that The Mauritanian Association of Clinical Biology expressed its wish to be a member of the AFCB. The assembly voted in favor of this wish.

Dr Osama Najjar was nominated as a responsible of communication with the IFCC. He will coordinate the participation of members of the Arab Federation in the IFCC committees.

Prof Mohammed Shaarawy was nominated as a Chair of the scientific committee of the AFCB. He will organize the implication of new members from various Arab countries.

Dr. Salwa Amarin will continue to be responsible for managing the web site of the AFCB.

It was decided to support the Palestinian association and the Sudanese Society to organize a workshop respectively in May and in the end of the year.

The last point that was discussed was about the organization of the 14th ArabMedLab to be held in Khartoum in Sudan late 2015.

The second meeting should take place in Khartoum, Sudan during the Sudanese workshop on 4 and 5 December 2013, unfortunately circumstances had not allowed all the EB members to attend this event.

### SCIENTIFIC ACTIVITIES

The SMCC Winter Seminar 2013 entitled "Good Practices of Computerization of the Medical Laboratories". Faculty of Medicine and Pharmacy of Rabat, On February 21, 2013.

The workshop organized during the 2013 Jordan Society for Medical Laboratory Sciences (JSMLS) Annual Meeting (Amman, March 23-25, 2013). The two topics were as follow: "The Future of Laboratory Medicine" and "Molecular and Genetic Technologies: role in diagnosis and therapeutic stratification of malignant diseases".

The workshop organized by the Sudanese Society of Clinical Biology at Al-Neelain University Faculty of Medical laboratory Sciences on 4-5 December 2013 Topic: Stem cell Workshop (Basic principles in stem cell isolation). The general objective is to introduce and highlight on stem cells technology. Each of the basic concepts related to stem cells will be addressed in this workshop including the basic practical issues related to the techniques used in stem cells technology such as isolation, culturing, purification etc. Course instructor: Dr. Hiba Badredin Khalil (Ph.D in Hematology and stem cell technology- Faculty of medical laboratory sciences- Al-Neelain University).

The 2013 Meeting of the Jordan Society for Medical Laboratory Sciences (JSMLS) Annual Meeting (Amman, March 23-25, 2013): "The Future of Laboratory Medicine". Topics: The Future of Laboratory, Quality Management in Medical Laboratories, Clinical Microbiology, Accreditation in Medical Laboratories, Microbial Drug Resistance, Clinical Endocrinology, Advanced Techniques in Laboratory, Vitamins and Trace Elements in Health & Disease, Bio-banking and Cell Therapy, Medicinal Plants, Molecular Biology Research Studies, Cytogenetics and Genetic Anomalies, Clinical Immunology, Pre-natal and Neonatal Screening, Clinical Hematology, Bio-analyte Testing, Pathology and Disease Biomarkers, Epidemiologic Molecular Studies of Infectious Agents, Current status and the future of the profession in Jordan.

The Moroccan Annual Meeting, held in Hyatt Regency Hotel of Casablanca, On Jun 6-8, 2013

From Jun 6th to Jun 8th 2013, Casablanca hosted the 13th Moroccan Congress of Clinical Chemistry and Laboratory Medicine which held under the auspices of the AFCB and the IFCC.

The scientific program included the main current topics in Biology Clinic taking into account national and regional priorities. This year we gave importance to the health of the pregnant woman and the newborn. Thus we have chosen for the opening conference a theme

that fits into the country's health policy; it is the "Safe Motherhood ". We then scheduled a session on "Pregnancy's risks" with the role of the laboratory in their care and the prevention of the most common pathologies. Neonatal screening is a part of the programs of Ministry of Health. We have devoted a session that has reported on the difficulties of such a program and highlights the need for close collaboration between biologists and clinicians to succeed in it. Other sessions were devoted to other priority public health problems. Thus we treated bacterial resistance to antibiotics, monoclonal gammopathy, markers of atherosclerosis and new issues in hematology. Finally the biologists have had again the opportunity to discuss the progress of their practices in quality assurance in accordance with GBEA and their inclusion in the accreditation process. All sessions were led by speakers with international reputation from the Arab countries and from France.

This great event has enabled the biologists and researchers to come together to share their experiences during the session Posters (more than 160 Posters).

- The 58<sup>th</sup> Scientific Congress Egyptian Society of Clinical Chemistry, 27-28 November, 2013 "Laboratory Medicine & Genomics Update".
- 3<sup>rd</sup> Jordanian Conference for Medical Labs: "Promising Horizons", in collaboration with IFCC and AFCB 23 to 25 March 2013, Amman (Landmark Hotel) Jordan.

**Layachi Chabraoui**  
AFCB President

## ASIA-PACIFIC FEDERATION FOR CLINICAL BIOCHEMISTRY AND LABORATORY MEDICINE (APFCB)



### New EB (Term of office: 1 Jan 2014 till 31 December 2016)

President	Leslie Lai (Malaysia)
Vice President	Sunil Sethi (Singapore)
Secretary	Endang Hoyaranda (Indonesia)
Treasurer	Elizabeth Frank (India)
Corporate Representative	Martin Fuhrer (Siemens)

Joseph Lopez from Malaysia remains as the Immediate Past President.

### APFCB ACTIVITIES

#### 1) APFCB Education Committee (C-Edu), Chair: Prof Samuel Vasikaran (Australia)

**APFCB Travelling Lectureships.** The APFCB TL for 2013/14 is Prof Sunil Sethi of Singapore. Prof Sethi gave lectures on Managing Laboratory Informatics, Middleware and Process Control at the MACB Annual Scientific Meeting in June 2013, in Vietnam in September 2013 and at the APFCB Congress in Bali in October 2013.

**IFCC-Abbott Visiting Lecturer.** Prof Howard Morris of the University of South Australia and South Australia Pathology has been nominated to be the IFCC-Abbott Visiting Lecturer for 2014. His topic is Vitamin D and Bone Metabolism.

**Workshop at the APFCB Congress in Bali.** The Education Committee also organised the APFCB-sponsored workshop "Interpretation and commenting on laboratory results" at the APFCB Congress in Bali in October 2013. The speakers were Drs Gordon Challand, Ken Sikaris and Sam Vasikaran.

#### 2) Scientific Committee (C-Sc), Chair: Prof Kiyoshi Ichihara (Japan).

**2009 Asian study for collaborative derivation of reference intervals.** The Asian study conducted as a collaborative work of APFCB and the IFCC Committee on the Reference Intervals and Decision Limits (C-RIDL) was completed in 2009 (Clin Chem Lab Med 2013; 51(7):1429–42 and Clin Chem Lab Med 2013; 51(7):1443–57)

**Collaboration on the global study on reference values.** The study, planned and coordinated by C-RIDL (IFCC) was launched in December of 2011 after nearly two years of discussion by the committee, and a pilot study conducted in April of 2011. (Clin Chem Lab Med 2013; 51(5):1007–25 and Clin Chem Lab Med 2013; 51(5):1027–40)

**Project on reference values** (Project Lead: Dr Ronda Greaves)

- 1) A joint project is under way on the standardisation of assays for testosterone and related analytes by use of mass spectrometry among the researchers in the APFCB region.
- 2) A project on establishment of a mass-spectrometry based assay system for paediatric screening of neuroblastoma in Vietnam is also under way using the support fund provided by the APFCB in 2012.

3) **Laboratory Management Committee (C-LM), Chair: Associate Prof Tony Badrick (Australia)**

**Quality Assurance/Quality Control Workshops.** A workshop on pre-analytical errors was held in Hanoi (see Speciality Meeting under C-CC), Vietnam in March 2013.

**Environmental Initiative.** One of the goals of the C-LM was to begin raising awareness amongst members of the APFCB of the importance of lessening the environmental impact of clinical laboratories. Joseph Lopez and Tony Badrick have written a document "PROPOSALS FOR THE MITIGATION OF THE ENVIRONMENTAL IMPACT OF CLINICAL LABORATORIES" which will be the basis for further educational activities in the area of Environmental Awareness.

**Needs Survey of Members for Quality/Accreditation Activities**

This activity involved a Survey of the APFCB membership to determine their needs. The key findings are: What educational activities would you like to see the APFCB provide? What are the major topics you would to see covered in these activities?

**APFCB Member Survey**

What educational activities would you like to see the APFCB provide?		
Answer Options	Response Percent	Response Count
Webinar	71.4%	5
Workshop	42.9%	3
Travelling Lecturer	57.1%	4
Specialty meeting	28.6%	2
Online activity	85.7%	6
Other (please specify)		0
	answered question	7
	skipped question	0

**APFCB Member Survey**

What are the major topics you would to see covered in these activities?		
Answer Options	Response Percent	Response Count
QA/QC	71.4%	5
Management	71.4%	5
Pre-analytical processes	28.6%	2
Laboratory Workflow	42.9%	3
Result interpretation and commenting	85.7%	6
Troponin	14.3%	1
HbA1c	42.9%	3
Quality management/ISO 15189	57.1%	4
Measurement of Uncertainty	71.4%	5
Accreditation and Certification	28.6%	2
Resource management	28.6%	2
Quality improvement	85.7%	6
Training and competence	42.9%	3
Quality indicators	85.7%	6
Safety	0.0%	0
Environmental impact	0.0%	0
Renal markers	57.1%	4
eGFR equations	42.9%	3
Other (please specify)		1
	answered question	7
	skipped question	0

#### **QA/QC Self-directed learning material for the APFCB Website**

The committee is anxious to further develop the website and we are seeking material for the Committee website pages: Quality management systems and ISO 15189; Leadership roles, Accreditation and certification issues, Resource management, Quality Improvement, Training and Competence, QC and QAP, Quality Indicators, Safety.

#### **4) Communications Committee (C-Comm), Chair: Prof Praveen Sharma (India)**

**APFCB e-News.** The Chair of the Communications Committee is also the Editor of the APFCB e-News. The APFCB e-News 2010, 2011 and 2012 issues are available on the APFCB website.

**APFCB Website.** The Chair of the Communications Committee was charged with the responsibility of launching the APFCB website and its coordination, maintenance and improvement ([www.apfcb.org](http://www.apfcb.org)). Dr MVR Reddy (India) has been assigned the responsibility of being the web editor.

**Public Relations.** A power point presentation on the APFCB, its members and its activities has been developed by Mr Martin Fuhrer, Corporate Representative to the EB. This presentation is being regularly updated by Mr Martin Fuhrer.

#### **5) Congress and Conferences Committee (C-CC), Chair: Joseph Lopez (Malaysia)**

**13<sup>th</sup> APFCB Congress.** The 13th APFCB Congress, held from 27th till 30th October 2013 at the Bali Nusa Dua Convention Center, there were 943 participants from 49 countries and 400 registrants from the corporate sector with 80 booths. The next APFCB congress will be in Taipei in 2016.

**APFCB Speciality meeting.** In conjunction with the APFCB Committee for Laboratory Management and BD Diagnostics, the first APFCB Speciality Meeting was held in Hanoi from 18-19 March at the Melia Hotel in Hanoi. The theme of the meeting was "Quality Improvement in Laboratory Medicine through Pre-analytical Process Control".

**APFCB Auspices.** APFCB auspices were provided for the following meetings

Research Workshop on "Inborn Errors of Metabolism & Metabolic Disorders" organised by the Department of Biochemistry, College of Medicine & JNM Hospital, India, March 7-8, 2013

EUROMEDLAB 2013, Milano, 19-23, May, 2013

5th Vietnam Chemical Pathology Course. 2nd July 2013 (Melia Hotel, Hanoi) and 6th July 2013 (Intercontinental Hotel, Ho Chi Minh City)

**Turning Science into Caring (TSIC).** Abbott Laboratories has held TSIC meetings in the Asia-Pacific region over the past few years in conjunction with the IFCC. The APFCB was invited to become a partner of these meetings. A TSIC meeting was held in Taipei, Taiwan on 23 and 24 September 2013.

**Leslie Lai**  
APFCB President

## **CONFEDERACIÓN LATINOAMERICANA DE BIOQUÍMICA CLÍNICA (COLABIOCLI)**



### **NOVEMBER - DECEMBER 2012, REPORT CORDOBA - ARGENTINA**

30 November -1 December 2012 Carlos Paz - Cordoba Day Latin American labor: "The degree curriculum to train professionals in clinical analysis." Colombia attended Dr. Diana Patino, Director of Career Bacteriology, pontifical university of San Javier Dr. Stella Paez, President of the National Association of Bacteriologists, Uruguay Graciela Borthagaray, Director Department of Clinical Biochemistry, Faculty of Chemistry University of Peru, Dr. Antonio Antunez de Mayolo, president of the Peruvian Association of Professional Clinical Laboratory and professor at the University Cayetano Heredia Dr. Magaly Magariños Bolivia, University Pontificate of San Francisco Xavier de Chuquisaca, Sucre Dr. Carlos Calvo Chile, University of Concepción, Concepción, Chile; Argentina, María del Carmen Gauna Pereira, president of ECUAFyB Cecilia Brisson, Universidad Nacional del Litoral, Santa Fe Argentina, representing ECUAFyB in curriculum survey COLABIOCLI - ECUAFyB Dr. Claudia Biondi, Academic Director of the School of biochemistry (UNR), Faculty of biochemical and Pharmaceutical Sciences (Rosario, Province of Santa Fe) Dr. Diego Androne, Catholic University of Córdoba, ECUAFyB, Dr. Graciela Panzetta Dutari, School of Chemical Sciences, National University of Córdoba, ECUAFyB, workshop Coordinators Dr. Manuel Arca and Dr. Roberto García, secretary and vice president of COLABIOCLI.

### **MARCH 2013, CABA REPORT - MEETING COLABIOCLI - IFCC**

On 2 and 3 March 2013 the IFCC Executive Committee met in the City of Buenos Aires, in the host the, Argentina Biochemistry Foundation (FBA), this time developed the 2nd joint meeting with COLABIOCLI and MEET.

#### **APRIL 2013, REPORT - GUATEMALA**

18 and 19 was held on "Strategies Seminar on Achieving a laboratory of excellence", organized by the Association of Biological Chemists of Guatemala, in the same part as speakers Drs. Manuel Arca, Roberto Garcia and Carlos Navarro. On April 20, the Executive Committee meeting was held without the participation of Dr. Jovanna Borace (Member), absent notice and subsequently the participation of representatives GUATEMALA, NICARAGUA, EL SALVADOR, COLOMBIA y REPÚBLICA DOMINICANA, with to inform about the activities and jointly assess the possibility of working together in the creation of a northern region for the institution.

#### **MAY 2013, REPORT BOLIVIA - SUCRE**

From 1 to May 3, 2013, were conducted in the city of Sucre - Bolivia, the "Days Mayas of the Bolivian Society of Clinical Analysis subsidiary Sucre", representing COLABIOCLI participated Drs Felix Acuña and Carlos Navarro are exposing on the following topics. Dr. Acuña - Certification of Professional Update Biochemical and Navarro, conference Inserting Biochemist in the Health Team and the Round Table Enable and Accreditation of Clinical Laboratories. On May 3rd we participated in the first meeting of forming faculties Biochemical Bolivia to form the National Network of Schools of Biochemistry, considering interest, agenda and commitment developed, aiming to establish itself as the National Representative Body Sector, which undoubtedly facilitate the exchange of proposals and projects with the academic units of the Latin American Region.

#### **JUNE 2013, REPORT BRAZIL - FLORIANÓPOLIS**

On June 16, Carlos Navarro representing COLABIOCLI participated in all according to the invitation by the Brazilian Society of Clinical Analysis in the opening ceremony of the "40th Brazilian Congress of Clinical Analysis," stands out that occupations host country colleagues was practically impossible to develop any activity outside the opening ceremony.

#### **REPORT PERU - LIMA**

The June 28 Drs. Felix Acuña and Carlos Navarro, traveled to Lima in order to meet Dr. Antonio Antunez Mayolo and his staff, to assess progress in the organization of the Latin American Congress. Participating in this meeting with Dr. Antonio Antunez, Dr. Jesus Tamaris Ortiz and representing the company contracted to the organization, the General Manager Mr. José Díaz Mesa, they were given a detailed report of the activities carried out to date. Arranged place and time was agreed to develop the Annual Meeting and the Hotel event venue was visited.

#### **JULY 2013, REPORT BOLIVIA - LA PAZ**

Course - workshop "CONTROL OF INTERNAL AND EXTERNAL QUALITY" Organized by the National Coordinator of Laboratories of the Ministry of Health of Bolivia, is part of the event in conjunction with departmental representatives of that country, the themes developed by Carlos Navarro were representing COLABIOCLI: ENABLING VS ACCREDITATION, BIOCHEMICAL INSERTING IN HEALTH SYSTEM CLINICAL LABORATORY ANALYSIS BETWEEN TECHNOLOGY AND KNOWLEDGE as fourth exhibition IMPORTANCE OF EXTERNAL QUALITY CONTROL. Concluding the workshop it was agreed with the National Director of Clinical Laboratories of Bolivia, Dr. Miriam Zubieta development training in Argentina in collaboration with the Foundation Argentina Biochemistry (FBA).

#### **SEPTEMBER 2013**

International Conference on Clinical Biochemistry - Ecuadorian Society of Clinical Biochemistry - Núcleo El Oro. On 6 and 7 September 2013, invited by the Ecuadorian Society of Clinical Biochemistry (SEBIOCLI) COLABIOCLI participated in the "International Conference on Clinical Biochemistry" developed in the city of Machala. As usual in Ecuador had excellence in organizing the event with significant number of participants showed great interest in the proposed topics. Representing COLABIOCLI, Dr. Carlos Navarro presented two lectures "The between Clinical Laboratory Technology and Knowledge" and "The Laboratory Management in the Pre-Analytical Phase".

#### **OCTOBER 2013, XXI Latin American Congress of Clinical Biochemistry and Laboratory Medicine.**

From 29 to 31 October 2013 was held in Lima - Peru's "XXI Latin American Congress of Clinical Biochemistry and Laboratory Medicine" on the same members of the Executive Committee COLABIOCLI had participation in academic activities proposed by the Organizing Committee.

On October 30, 2014, the Annual Assembly COLABIOCLI developed. The topics of interest were the reelection of Argentina as a country seat of the executive for the period 2013 - 2015 and the unanimous support for the signing of the Memorandum of Agreement between COLABIOCLI and IFCC.

#### **NOVEMBER 2013**

IX Uruguayan Congress of Clinical Biochemistry "The Clinical Laboratory Research, Science and Technology in the service of health and wellness"

From 7 to 9 November 2013, invited by the Uruguayan Association Biochemistry, COLABIOCLI, participated in the IX Congress of Clinical Biochemistry Uruguay, held in Montevideo.

Notably excellence in the organization, as well as the high scientific and academic level of the event, not least was the warmth of Uruguayan colleagues with all the participants.

Representing COLABIOCLI, Dr. Carlos Navarro, President of the same, participated in the round table coordinated by Dr. Cecilia Queijo, president of the ABU lecturing on "Track Biochemist in a Globalized World" this table was shared with Dr. Roberto Garcia, vice president of COLABIOCLI, who in this opportunity was invited as President of Argentina Biochemistry Foundation (FBA). The conference "Integration of Professional Biochemist in the Health Team" is also provided.

DOMINICAN REPUBLIC NATIONAL CONGRESS. From 28 to 30 November 2013, at the Hotel Dominican Fiesta of Santo Domingo, the Sixteenth National Congress of Clinical Laboratory Professionals, "The Clinical Laboratory Evidence-Based and Its Impact on developed Health - Emphasis on Reemerging Diseases". Notably excellence in the organization by the Dominican College of Bioanalysts (CODOBIO), and extended to the over 1200 scientific and academic program consisting of lectures, symposia and roundtables high level, without neglecting the union activities sector, as the event closed with a round table topics related to professional practice and the role of institutions were exposed. Invited by CODOBIO, Dr. Carlos Navarro representing COLABIOCLI participated in the opening ceremony and giving two lectures "Between Laboratory Technology and Knowledge" and "Ideas for Management Laboratory in Pre and Post Tests."

As part of this conference, Dr. Carlos Navarro, President of COLABIOCLI held a meeting with the current president CODOBIO, Lic. Miriam Pol, the Vice President, and the first member of the current Executive Committee COLABIOCLI, Lic. Miosotis Echavarría, the Ex Presidents COLABIOCLI Lic. Elba Vargas Suarez and Lic. Nelly Betances also attended Lic. Maritza Flores. On this occasion exchanged ideas regarding the institutional strategic plan and the role it will play from the Dominican Republic in the first member this biennium.

**Carlos Navarro**  
COLABIOCLI President

**Manuel A. Arca**  
Secretario

## EUROPEAN FEDERATION OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE (EFLM)



European Federation of Clinical Chemistry and Laboratory Medicine

### General Assembly

EFLM held a General Assembly (GA) during Euromedlab congress in Milan, on 19 May 2013.

During the GA a new Executive Board (EB) and the venue of Euromedlab 2017 were voted upon. Current officers of the EB for the two year term of 31 Dec 2014 – 31 Dec 2015 are as follows:

Mauro Panteghini (Italy), President, Ian Watson (United Kingdom), Past President, Sverre Sandberg (Norway), President Elect, Ana-Maria Simundic (Croatia), Secretary, Huibert Storm (Netherlands), Treasurer, Grazyna Sypniewska (Poland), Member-at-Large, Tomas Zima (Czech Republic), Member-at-Large.

There were three applications for Euromedlab 2017: Athens, Barcelona and Prague. Athens was selected as the venue for Euromedlab 2017.

The principle topic of the GA was a Proposal (originally brought by EFLM) for regional representation of each IFCC region in the IFCC Executive Board. The idea was fully supported by EFLM National Societies at the GA and it was agreed that a respective change of the IFCC statutes has to be proposed at the next IFCC GA in Istanbul. For thorough preparation within national societies EFLM EB were to prepare a position paper, for electronic voting in the coming months. The next GA will be held in conjunction with the EuroLabFocus meeting in Liverpool (October 2014).

### Executive Board

The establishment of EFLM as a legal entity was finalized in 2013. EFLM is from July 2013 legally registered in Belgium whereas its office is operated and maintained in Milan, in collaboration with IFCC.

In 2014, EFLM continues its programme that promotes the closer collaboration of EFLM and National Societies. To achieve that, EFLM supports the attendance of its Executive Board members at National or Regional Congresses organised by its Member Societies. The EFLM grant covers the entire travel and accommodation cost for the EB representative.

As previous experience has confirmed, we believe this was mutually beneficial and we therefore feel there is a need for maintaining and promoting an even more active collaboration between EFLM and its Member Societies.

The selection of applications is guided by the principle of geographic distribution. Those National Societies that apply for the first time have a priority.

During 2013 EFLM Executive Board members or EFLM officers representing EFLM, have participated in the following meetings:

1. Ian Watson (UK) visited Romania during the 2nd Congress of the Romanian Association of Medical Laboratories, held in June 5-8, 2013 Brasov, where he gave a presentation on "Patient Focused Laboratory Medicine"
2. Eva Ajzner (Hungary) visited Turkey during the XXV National Biochemistry Congress, held in September 3-6, 2013 Izmir, where she delivered a lecture on "Critical results in laboratory medicine"
3. Mauro Panteghini (Italy) visited Montenegro during the 21st BCLF Meeting held in September 25-28, 2013 in Budva where he gave a presentation on "Standardization of heterogeneous marker measurements"
4. Wim Huisman (The Netherlands) visited Russia during the Russian National Meeting "National Days for Lab Medicine in Moscow" held on October 1-3, 2013 in Moscow where he delivered a lecture on "Experience and benefits of application of the standard ISO 15189 in Laboratory practice in Europe"

EFLM EB has launched a Task and Finish Group on EFLM history whose aim is to prepare a document describing key individuals and important milestones in the creation and development of the predecessor organizations that have led to EFLM as a federation. EFLM has signed a new agreement with the journal Clinical Chemistry and Laboratory Medicine (CCLM) according to which CCLM grants to EFLM NSs Presidents and Representatives free access to the content until 2018. Moreover, as a result of this agreement, CCLM offers to individual members of EFLM NSs reduced subscription rates.

EFLM has at the end of 2013 issued an updated version of the EFLM Procedure Manual. This document serves as a basis for successful governing of all EFLM functional units as well as uniform and transparent managing of all EFLM organizational matters based on EFLM legal statutes.

## **COMMITTEE REPORTS**

### **Committee – Communications (C-C)**

C-C has done through some major organizational changes and has recently started working on the new EFLM website and more effective communication channels between EFLM and its members.

### **Committee – Education and Training (C-ET)**

The members of the C-ET and its working groups have been actively engaged in the organization of several meetings held in 2013 and two webinars: „Evolution of laboratory medicine: the example of Portugal" (Henrique Reguengo, Portugal, May 13, 2013) and „State of the Art of tacrolimus testing -pro and contra: immunoassays vs. LC-MSMS" (Pierre Wallemacq, Belgium, November 21, 2013).

Furthermore, C-ET has been engaged in drafting and modification of several meeting guidelines (Guidelines for EFLM meetings, Revision of IFCC-EFLM Guidelines for Euromedlab, Revision of EFLM-UEMS Guidelines).

### **Committee – Professional**

EFLM C-P activities in 2013 were focused on defining the content of a common training framework based on the 2012 EC4 syllabus for education/training in laboratory medicine. Also, C-P was engaged on the collaboration with CEPLIS to support the passage of Directive EU/2005/36/EC (the Recognition of Professional Qualifications) through the EU Parliament, Council and Commission in November 2013. Two working groups were created to take the respective work streams forward.

Main goals were to recruit the minimum 9 EU member states required to establish a common training framework for specialists in laboratory medicine. To achieve this goal, C-P has issued several guidance documents and letter to EC4-national societies and their government co-coordinators on how to become one of the nine in time for transposition of the Directive into national law in December 2015.

### **Committee – Quality and Regulations**

This committee has undergone reorganization with the main goals being to influence various activities related to quality management and IVD regulations. In relation to the mutual interest between EDMA and EFLM, EFLM has taken part in a joint request to the European Commission to change their attitude to two substances often used in many of our analytical kits. A request is signed by both EDMA and EFLM.

### **Committee – Science**

Science committee consists of eight working groups whose activities relate to various fields of laboratory medicine: cardiac markers, preanalytical phase, biological variation, guidelines, test evaluation, critical results, postanalytical phase, and patient focused laboratory medicine. All working groups have been active in performing various surveys, publishing original reports, reviews and position papers.

### **EC4 Foundation Board**

The seat of the Foundation Board transferred to the CEPLIS offices in Brussels, new membership to the Board was agreed with its directors on the retirement of Simone Zerah and Rob Jansen. The 8th and 9th meetings were held, respectively, during Euromedlab congress in Milan, in May 2013 and in Paris in November 2013. An audit of EU member states' ability to meet equivalence of standards was undertaken with a view to strengthening these in line with proposed criteria for a common training framework. Recruitment and retention of EC4 registered 'specialists in laboratory medicine' has been a cornerstone strategy with registrant numbers increasing from 2679 to 3104; the process of enhancing the functionality and ease-of-use of the registrants database began late in 2013.

### **Meetings**

EFLM promoted following meetings in 2013:

- 1) 2<sup>nd</sup> EFLM-BD European Conference on Preanalytical Phase, 1-2 March, Zagreb, Croatia
- 2) 13<sup>th</sup> EFLM Continuous Postgraduate Course in Clinical Chemistry and Laboratory Medicine, 19-20 October, Dubrovnik, Croatia.
- 3) 9<sup>th</sup> EFLM Symposium for Balkan Region, 3-5 October, Belgrade, Serbia.

**Mauro Panteghini**  
*EFLM President*



## FULL MEMBER SOCIETIES

### ALGERIA



#### NATIONAL ASSOCIATION OF MEDICAL ANALYSIS LABORATORIES (ALAM)

##### NATIONAL MEETINGS

Name of the meeting	Date	Topic
4ème Congrès de Biologie clinique et 5èmes Journées internationales francophones de Médecine de laboratoire	22-23/04/2013	Qualité et accréditation; Biologie du rein; Biologie des maladies génétiques.
Journée ALAM	20/06/2013	La nouvelle réglementation concernant les associations; Les logiciels de gestion des laboratoires

### ARGENTINA



#### CONFEDERACIÓN UNIFICADA BIOQUÍMICA DE LA REPUBLICA ARGENTINA (CUBRA)

##### NATIONAL MEETINGS

Name of the meeting	Date	Topic
Congreso CUBRA XII - 70º Congreso Argentino de Bioquímica ABA	9 al 12 de octubre de 2013	La propuesta de temario fue una variada experiencia de temas que atañen al quehacer bioquímico, Emergentología/Medio Interno; Endocrinología; Hematología/Hemostasia; Microbiología, nuevas metodologías; Autoinmunidad; Gestión de Calidad; Química Clínica; Farmacogenómica/ Toxicología; Diagnóstico Molecular Oncológico; Espectrometría de masa.

##### EDUCATION

We work together, addressing different issues of education, with ECUAFYB (Ente Coordinador de Unidades Académicas de Farmacia y Bioquímica)

In November 2013, he began to run the "Quality Committee" of our confederation. It is composed of representatives from different regions of the country.

##### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Segundo Congreso Bioquímico Córdoba 2013	24 de octubre de 2013	Colegio Bioquímico de Córdoba

##### REGIONAL RELATIONS

With 26 Entities associated with our confederation

Confederación General de Profesionales – CGP

##### INTERNATIONAL RELATIONS

Confederación Latinoamericana de Bioquímica Clínica – COLABIOCLI

International Federation of Clinical Chemistry and Laboratory medicine - IFCC

##### ADDITIONAL INFORMATION

En el congreso CUBRA XII contamos con la presencia de profesionales destacados a nivel mundial se pudo disfrutar de avances y novedades, entre ellos el Dr. Ole Siggaard Andersen (Dinamarca), Profesor emérito de Bioquímica Clínica de la Universidad de Copenhague, Dinamarca; Dr. Francisco Baralle (Italia), Director General, International Centre for Genetic Engineering and Biotechnology, Trieste, Italia; Dr. Luis Eduardo Coelho Andrade (Brasil), Profesor de Reumatología, Escola Paulista de Medicina, Universidade Federal de Sao Paulo (UNIFESP); Donald Mason M.Sc. (USA) Waters – Global Scientific Affairs Manager; Dr. Ismael Dale Cotrim Guerreiro da Silva (Brasil) Profesor Adjunto Livre Docente Coordinador do Laboratorio de Biología Molecular do Departamento de Ginecología da Universidade Federal de Sao Paulo; Dr. Kiyoshi Ichihara (Japón) Chair of the Committee on Reference Intervals and Decision Limits, IFCC; Dr. Juan Sabater Tobella (España) Presidente de Honor de la Real Academia de Farmacia de Cataluña.

## AUSTRALIA AND NEW ZEALAND



### AUSTRALASIAN ASSOCIATION OF CLINICAL BIOCHEMISTS (AACB)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
RCPAAACB Chemical Pathology Course - Perth	11-15 February	Exam Curriculum topics in conjunction with RCPA
Exam Curriculum topics in conjunction with RCPA	9 February	All aspects of providing a quality pathology result from request to report
AACB Scientific Education Seminar – Point of Care Testing - Adelaide	26 April	From Scientist to Specialist - Clinical Applications for POCT
Harmonisation Workshop - Sydney	12-13 July	Common Chemical Pathology Reference Intervals for Australian Laboratories
AACB Annual Scientific Meeting – Gold Coast, Queensland	16-19 September	Evidence Based Laboratory Medicine Invited overseas speakers included Robert Christensen (USA), Peter Kavsak (Canada), Michael Vogeser (Germany), Nigel Clarke (USA), Andrew St John (Australia)
Satellite Meeting post AACB Annual Conference	20 September	Mass Spectrometry in the Clinical Chemistry Laboratory: What is possible, and How can it be Achieved?

#### EDUCATION

- State based CPD tutorials for MAACB and FAACB exam candidates
- State based monthly scientific meetings
- Roman Lectures – Associate Professor Chris Florkowski – “Perspectives of Porphyrria”
- Current Concepts Lectures – Dr David Gillis – “Allergy Testing – Advances and Pitfalls”.
- Monthly webinars from covering AACB Curriculum related topics

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
13th APFCB Congress – Bali, Indonesia	27- 30 October	AACB sponsored Symposium 15 – Osteoporosis and Vitamin D / Calcium Metabolism – 3 speakers from the AACB – Howard Morris, Devika Thomas, Samuel Vasikaran

#### REGIONAL RELATIONS

- APFCB – AACB members on a number of APFCB committees both in chair and member roles
- AACB presented their bid for Melbourne as the venue for the 2019 APFCB Congress at the November 2013 APFCB Council Meeting in Bali. India won by 1 vote.

#### INTERNATIONAL RELATIONS

##### AACB MEMBERS SERVING THE IFCC August 2013

##### Executive Committees

- ◆ Howard Morris Executive Board, Vice-president
- ◆ Peter Vervaart Communications & Publications Division, Secretary
- ◆ Leslie Burnett Nominations Committee

##### Task Force Membership

- ◆ Graham Jones Task Force on Chronic Kidney Disease (chair)
- ◆ Michael Metz Task Force on Paediatric Laboratory Medicine
- ◆ Rosy Tirimacco Task Force on PoCT (chair)

##### Committee Membership

- ◆ Chris Florkowski EBLM
- ◆ Janice Gill Analytical Quality (co-chair)
- ◆ Robert Flatman Nomenclature, Properties & Units (chair)
- ◆ Peter Vervaart Internet and e-Learning (chair)
- ◆ Janine Grant Internet and e-Learning (web-editor)
- ◆ Ronda Greaves Distance Learning
- ◆ Cyril Mamotte Molecular Diagnostics
- ◆ Lindsey Mackay Traceability in Laboratory Medicine

##### Working Group Membership

- ◆ Jill Tate Standardisation of Cardiac Troponin I (chair)

## INTERNATIONAL RELATIONS

- ◆ Renze Bais Allowable Errors of Traceable Results (chair)
- ◆ Ken Sikaris Allowable Errors of Traceable Results
- ◆ Rosy Tirimacco Quality Specifications for Glucose POCT (chair)
- ◆ George Koumantakis Quality Specifications for Glucose POCT
- ◆ Graham Jones Standardisation of Albumin Assays in Urine

### Standardisation of GFR Assessment

- ◆ John Whitfield Standardisation of Carbohydrate-Deficient Transferrin
- ◆ Howard Morris Bone Markers Standards on Osteoporosis (chair)
- ◆ Samuel Vasikaran Bone Markers Standards on Osteoporosis
- ◆ Rob White How should Glucose Meters be Evaluated for Critical Care

### Corresponding Membership

- ◆ James Davidson WG-Standardisation of Growth Hormone
- ◆ Graham Jones C-Reference Interval & Decision Limits
- ◆ David Gillis C- Traceability in Laboratory Medicine
- ◆ Mark Shephard WG-Harmonisation of Autoantibody Tests
- ◆ Paul Glendenning WG-Quality Specifications for Glucose POCT
- ◆ Greg Ward WG-Standardisation of Insulin Assays
- ◆ Dorothy Kouzios WG-Standardisation of Pregnancy-Associated Plasma Protein A
- ◆ Paul Williams WG- Standardisation of Carbohydrate-Deficient Transferrin
- ◆ May Siew C-Standardisation of Thyroid Function Tests
- ◆ May Siew Task Force - Young Scientists

### National Society Liaison

- ◆ Sandra Klingberg WG-IFCC eNews

## BELGIUM



### ROYAL BELGIAN SOCIETY OF CLINICAL CHEMISTRY (RBSCC)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
Annual Symposium (in collaboration with the Belgian Society of Clinical Biology)	October 5, 2013	The changing landscape of clinical biology
KBVVC/SRBCC Symposium	April 18, 2013	State of the art in diagnostic markers

## BOLIVIA



### SOCIEDAD BOLIVIANA DE BIOQUÍMICA CLÍNICA

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
I Organization Special National Congress	Cochabamba 12 and 13 April 2013	Administrative
Mayan International Conference	Sucre April 30 may 02 2013	

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Course Control Of Internal And External Quality Laboratory	Tarija, 23 And 24 August 2013	Quality
Workshop Quality Control And External External	La Paz, 17, 18,19 July 2013	Quality
Automation Course In Coagulation And Haemostasis	La Paz 23, 24 And 25 November 2013	Hemostasis

## REGIONAL RELATIONS

National Organization Of Extraordinary Congress I Cochabamba 12 And 13 April 2013

National Organization Of Extraordinary Congress I (Continued) 30 Sucre May 02 April 2013

Organization Of The Mayan Sucre International Conference April 30 May 02 2013

Participation Of Clinical Biochemistry Boliviana Society Workshop External

Control And External Quality Conalab Called By, La Paz 17, 18,19 July 2013

Course Organization Control Of Internal And External Quality Laboratory Tarija, 23 And 24 August 2013

Aacc Organization With Wallace And Foundation Course Coulter Value Added In Patient Care Using Quality Control, Santa Cruz 16, 17 November 2013

Automation Course Organization And Coagulation In La Paz Haemostasis 23, 24, 25 November 2013

## INTERNATIONAL RELATIONS

Boliviana Participation In Society Clinical Biochemistry Colabiocli Assembly Of Buenos Aires - Argentina 5th To November 8 Calilab 2012

Participation of Clinical Biochemistry Boliviana Society Latin American Meeting Carlos Paz, Argentina Univresidades 1-2 December 2012

Participation of The Society of Clinical Biochemistry Boliviana 40 Brazilian Congress of Clinical Analysis Florianópolis Brazil 16 To 18 June 2013

Participation of The Society Of Clinical Biochemistry Boliviana Aacc Meting Annual July 28 To August 01, 2013 For Meeting With Latin American Working Group Aacc Wallace Foundation And Coulter

Participation of Clinical Biochemistry Boliviana Society In Latin American Congress (Colabiocli 2013) - Regular Meeting And Extraordinary Of The Latin American Federation Of Biochemistry Clinker Lima Peru 29 To 31 October 2013

Boliviana Participation In Clinical Biochemical Society Of Regular Meeting Colabiocli Lima - Peru 28 To 31 October 2013

Interest Interest of Clinical Biochemistry Boliviana Panelist Colabiocli Symposium On With The Theme Of The Situation In Bolivia Biochemical Professional. Lima - Peru 28 To 31 October 2013

Obtaining The 3rd Vocalia Directive Of The Latin American Federation Of Biochemistry Clinker (Colabiocli 2013) Lima - Peru 28 To 31 October 2013

Participation of The Working American Corner And Committee of Translations of The IFCC (Wg Iant) Lima - Peru 28 To 31 October 2013

## ADDITIONAL INFORMATION

Adoption of Organic Statute Boliviana Society of Clinical Biochemistry Cochabamba April 2013

Adoption of Organic Statute Regulation Society of Clinical Biochemistry Bolivia Cochabamba April 2013

Adoption of Regulation Program External Quality Assessment of Bolivia Cochabamba Society April 2013 Clinical Biochemistry

Adoption of The Rules of Procedure of Accreditation of Clinical Laboratories of The Society of Clinical Biochemistry Boliviana Chuquisaca May 2013

Presentation of Regulation Committee Rulemaking Boliviana Society of Clinical Biochemistry (A Cochbamba Approved In February 2014)

Presentation Activiadaes Academic Regulations and Continuing Education of The Society of Clinical Biochemistry Boliviana (A Cochbamba Approved In February 2014)

## BOSNIA-HERZEGOVINA

### ASSOCIATION OF MEDICAL BIOCHEMISTS IN BOSNIA-HERZEGOVINA



## NATIONAL MEETINGS

Name of the meeting	Date	Topic
Annual meeting of medical biochemists	15.05.2013	Accreditation process in laboratory

## BRAZIL



### SOCIEDADE BRASILEIRA DE ANÁLISES CLÍNICAS (SBAC)

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
CBAC	June 1 – 4, 2014	
EDUCATION		
<ul style="list-style-type: none"> <li>• CPG – Regular courses all over the year for improvement in Clinical Chemistry area</li> <li>• DICQ – Accreditation of clinical chemistry laboratories in Brazil</li> <li>• PNCQ – External Quality Control for Clinical Chemistry laboratories and Blood Banks in Brazil and international (Proficiency Tests)</li> </ul>		
REGIONAL RELATIONS		
<ul style="list-style-type: none"> <li>• ABNT – Associação Brasileira de Normas Técnicas</li> <li>• ONA – Organização Nacional de Acreditação</li> </ul>		
INTERNATIONAL RELATIONS		
<ul style="list-style-type: none"> <li>• IFCC – International Federation of Clinical Chemistry</li> <li>• COLABIOCLI – Confederación Latinoamericana de Bioquímica Clínica</li> <li>• AMN - Asociación Mercosur de Normalización</li> <li>• CLSI – Clinical and Laboratory Standards Institute</li> </ul>		

## BULGARIA



### BULGARIAN SOCIETY CLINICAL LABORATORY

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Actualization of professional knowledge	2 November 2013	Laboratory Results in diagnosis and monitoring of the medical treatment
REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
21st Meeting of BCLF	25-28 2013 Budva	Oral presentation and posters
REGIONAL RELATIONS		
Discussion of the organizational problems of BCLF during the annual meetings		
INTERNATIONAL RELATIONS		
Participation at EUROMEDLAB in Milano		

## CANADA



### CANADIAN SOCIETY OF CLINICAL CHEMISTS (CSCC) SOCIÉTÉ CANADIENNE DE CLINICO-CHIMISTES

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
58th annual conference of CSCC	June 8-11, 2014	Clinical Chemistry: a bridge to better health. Symposia: Laboratory Utilization Molecular Diagnostics Pediatric Critical and Chronic Care Men's Health
EDUCATION		
<ul style="list-style-type: none"> <li>• 15 webinars (Education Roundtables) held every 2nd week from October to May</li> <li>• CSCC Lectureship on Critical Care Medicine (webinar – March 13, 2014)</li> <li>• CSCC Lectureship on Cardiovascular Disease (webinar – February 13, 2014)</li> <li>• Collaborator on IFCC-Siemens Conference, Biomarkers in Neuropsychiatric Disorders, Toronto ON, October 24-25, 2014</li> <li>• 2014 CSCC Travelling Lectureship. Dr. Mario Plebani is the 2014 lecturer. He will give presentations in Vancouver, Calgary, Winnipeg, Toronto, and Quebec City between September 23 and October 1, 2014.</li> </ul>		

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Ontario Society of Clinical Chemists	November 2014	Oral presentation and posters

## REGIONAL RELATIONS

CSCC has 7 Provincial Sections – British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, New Brunswick and Nova Scotia. Each Section holds its own meetings and small conferences. The Sections report to the Society annually and have the opportunity to submit for limited financial help with their programs if required.

## INTERNATIONAL RELATIONS

- The 2013 CSCC International Exchange Grant supported CSCC member Dr. Manuela Neuman to travel to Cuba where she gave several presentations to the Cuban Society.
- Several CSCC members have been invited speakers at conferences worldwide during the year.
- CSCC organized a symposium, presented at the Joint meeting of the Canadian Association of Pathologists and WASPaLM in June 2013 in Quebec City.
- CSCC has nominated Dr. Matthew McQueen for the IFCC Distinguished Service Award 2014.

## ADDITIONAL INFORMATION

- CSCC is a member of the Canadian Leadership Council on Laboratory Medicine, which includes all of the specialty societies related to lab medicine. CSCC has a member on the Executive Committee, Dr. D. Kinniburgh. Dr. Kinniburgh is also chairing a subcommittee on laboratory utilization.
- A CSCC Working Group on Quality Management is working on development of educational activities to address knowledge gaps in quality management.
- The CSCC Committee to "Educate the Public on Clinical Chemistry" (EPOCC) is working to raise the profile of clinical biochemists and the profession of clinical biochemistry with the public, the medical community, and within laboratories. They are planning a Charity Run/Walk at the annual 2014 conference to build awareness with the public, and providing a prize for the National Science Fair for the best science project by a senior (Grade 11-12) student.

## CHILE



### SOCIEDAD CHILENA DE QUÍMICA CLÍNICA (SCHQC)

#### EDUCATION

- Participation in commissions of Professional Certification (Instituto Nacional de Normalización (INN) and Colegio de Químicos Farmacéuticos y Bioquímicos de Chile)
- Participation in Clinical Laboratory Technical Committee (INN). Mrs Maria Arredondo, Chair
- MOU between the National Institute of Standards and Chilean Society of Clinical Chemistry

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
XXI Congress COLABIOCLI, Lima, Peru.	October, 28 to 31, 2013	Difussion and Lecturing at the Meeting
XXI Congress COLABIOCLI, Lima, Peru.	October, 28 to 31, 2013	Participation as a member of the jury Premio Wiener Lab 2013
2nd Workshop on Quality in Health, Lima, Peru	September 30 to October 03, 2013	Lecturing at the Meeting
National and International Meetings of Clinical Biochemistry and Quality Control, Machala, Ecuador	September, 6 and 7, 2013	Lecturing at the Meeting

#### REGIONAL RELATIONS

- SCHQC has collaboration with several regional associations of Clinical Chemistry.
- IAAC- Inter American Accreditation Cooperation: SCHQC is a stakeholder member.
- COLABIOCLI

#### INTERNATIONAL RELATIONS

- Participation in the International Scientific Advisory of IFCC World lab Istanbul 2014
- Participation in the XXII Congress COLABIOCLI Quito- Ecuador 2015
- SCHQC is a Liaison member to the IFCC eNewsletter

#### ADDITIONAL INFORMATION

Enabling the new SCHQC <http://www.schqc.cl>

# CHINA-TAIPEI



## CHINESE ASSOCIATION FOR CLINICAL BIOCHEMISTRY (CACB)

### NATIONAL MEETINGS

Name of the meeting	Date	Topic
The 28th Joint Annual Conference of Biomedical Science (JACBS)	March 23-24, 2013	Current Trend in Clinical Biochemistry

### EDUCATION

#### CACB annual conference and scientific symposium, conjunction with 28th JACBS

This brief report summarizes some of the highlights of activities for CACB during the Year of 2013. CACB held annual conference on March 23rd, and its constitution was amended. CACB will be also devoted to advocate the establishment and education of professional clinical chemistry medical technologist, which is aimed at promoting research studies in the field of clinical chemistry, its development and application, to improve quality of medical service, and to upgrade the citizen's health. This amendment was approved by the Ministry of the Interior, Taiwan. During the 28th Joint Annual Conference of Biomedical Science (JACBS) held at the National Defense Medical University Campus on March 23-24, 2013, we invited Dr. David G. Grenache, Associate Professor of Pathology at University of Utah School of Medicine and Medical Director of ARUP Laboratories in Salt Lake City, U. S. A., to deliver a special lecture on "Macroprolactin: what laboratorians need to know".



28th Joint Annual Conference of Biomedical Science, members of organizing committee and special lecturer

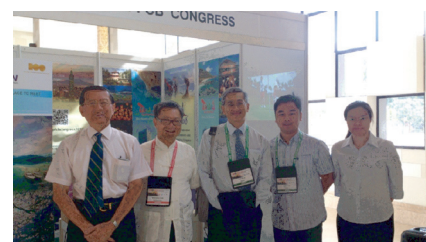
### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
13th APFCB Congress	Oct. 27-30, 2013	Sponsoring a symposium, and poster presentation

### REGIONAL RELATIONS

#### CACB members participated in 13th APFCB Congress in Bali, Indonesia on Oct. 27-30, 2013, and also exhibited for the promotion of the next 2016 Congress in Taipei.

President Woei-horng Fang, together with 4 executive board members and secretary general, attended 13th APFCB Congress in Bali. CACB also sponsored Symposium 24 on "Trends in laboratory medicine technology" of the Congress. Dr. Kang-Yi Su was invited to speak on "Molecular diagnostics for lung cancer multiplex gene testing by MALDI-TOF MS with high sensitivity and flexibility". Dr. Tjin-Shing Jap addressed "Genetic study of disorders of mineral metabolism in Taiwan". Prof. Shu-Chu Shiesh talked about "Assessment of metabolic alterations by tandem mass spectrometry". A comprehensive discussion and communication of these issues arose from the presentation. In addition, it is a great honor for CACB to have the opportunity to host the 14th APFCB Congress 2016 in Taipei, Taiwan. Currently, the organizing committee has been established in charge of conference organization. We also exhibited a Taiwanese-style booth to promote the next Congress. More than five hundred participants dropped by and received the 2016 Congress announcements, traveling information, and small warm welcome gifts. President Fang also performed an impressive slide show with singing a Taiwanese folk song in the closing ceremony. We sincerely invite you to participate in the 14th APFCB Congress in Taipei on Nov. 5-8, 2016, and also visit our beautiful island.



APFCB President Dr. Leslie C. Lai and CACB members in front of our 14th APFCB Congress booth.

## CROATIA



### CROATIAN SOCIETY OF MEDICAL BIOCHEMISTRY AND LABORATORY MEDICINE (CSMBLM)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
24th Symposium of the Croatian Society of Medical Biochemistry and Laboratory Medicine, Role of Laboratory Medicine in Sport, Zagreb, Croatia	May 11	Laboratory medicine in sport
Symposium Lokus 2013, 1st symposium jointly organised by CSMBLM and Abbott Laboratories, Vodice, Croatia	April 5-6	Laboratory management, Accreditation, Quality management, Preanalytical phase of laboratory work, Analytical phase of laboratory work: validations, method comparison, Postanalytical phase of laboratory work

#### EDUCATION

This year CSMBLM has introduced e-seminars (webinars) which were credited by Croatian Chamber of Medical Biochemists:

1. Testing of the connection of biomedical indicators, February 13
2. CLSI guidelines for laboratory methods verification, February 25
3. CLSI guidelines for blood sampling for blood gas and pH analysis, September 10
4. CLSI guidelines for venous blood collection, September 23

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
2nd EFLM-BD European Conference on Preanalytical Phase, Zagreb, Croatia	March 1-2	Organisation of the conference, 2 speakers
13th EFLM Continuous Postgraduate Course in Clinical Chemistry and Laboratory Medicine 'New Trends in Diagnosis and Monitoring using POC Instruments' in Dubrovnik, jointly organised by CSMBLM, Slovenian Association for Clinical Chemistry and EFLM, Dubrovnik, Croatia	October 19-20	Organisation of the course, 3 speakers, 2 grants for participants

#### REGIONAL RELATIONS

CSMBLM representative in EFLM: Daria Pašalić  
CSMBLM representative in European Register of Specialists in Laboratory Medicine (EC4): Dunja Rogić  
CSMBLM representative in EQALM: Jasna Leniček-Krleža  
EFLM Secretary: Ana-Maria Šimundić  
CSMBLM representative in European Association of Science Editors (EASE): Ana-Maria Šimundić  
Chair of EFLM Education and Training Committee (C-ET) Elizabeta Topić  
CSMBLM representative in Council of Science Editors (CSE): Ana-Maria Šimundić  
CSMBLM representative in Committee on Publication Ethics (COPE): Ana-Maria Šimundić  
CSMBLM representative in European Cooperation for Accreditation (EA): Ines Vukasović  
Member of EFLM Science Committee: Ana-Maria Šimundić  
Chair of EFLM C-S Working Group Preanalytical phase: Ana-Maria Šimundić  
Member of EFLM C-S Working Group Postanalytical External Quality Assurance: Dunja Rogić  
Corresponding member of EFLM C-S Working Group Cardiac Markers: Ana Stavljenić-Rukavina  
Corresponding member of EFLM C-Quality management, WG ISO/CEN and accreditation: Ines Vukasović

#### INTERNATIONAL RELATIONS

CSMBLM representative in IFCC: Dunja Rogić  
Corresponding member of IFCC EMD Working Group Evidence Based Laboratory Medicine (C-EBLM): Dunja Rogić  
CSMBLM representative and Corresponding member of the IFCC Task Force on Chronic Kidney Disease (Integrated Project) - (TF-CKD) and World Association of Societies of Pathology and Laboratory Medicine: Vanja Radišić Biljak

#### ADDITIONAL INFORMATION

**CSMBLM's scientific journal** with international Editorial and Advisory Board Biochemia Medica (BM) continues to publish articles from Croatian and international authors dedicated to the members of the Society as well as to all other professionals from various fields of biomedicine that share the same interests, i.e. medicine biochemistry and laboratory medicine. Papers are published only in English. In October 2011 BM was indexed in Medline and beside that prestigious citation base BM is indexed in following citation bases: Science Citation Index Expanded™ (SCIE, Thomson Reuters), Journal Citation Reports/Science Edition (JCR, Thomson Reuters) EMBASE/Excerpta Medica, Scopus, CAS (Chemical Abstracts Service), EBSCO/Academic Search Complete and DOAJ (Directory of Open Access Journals).

The journal's impact factor for 2012: 1.873

**EQA of medical laboratories in Croatia** by CSMBLM's Centre for EQA CROQALM

- 1 EQA cycle in modules: biochemistry, specific proteins, laboratory haematology, laboratory coagulation, D-Dimer, urine analysis (test stripe, sediment, biochemistry), pH blood gasses, tumour markers, hormones, haemoglobin A1c
- participation in EQALM Symposium 2013, October 2013, Bucharest, Rumania

**Promotional actions** were launched by CSMBLM's Committee for Informing and Public relations. The goal was to promote the profession as well as to provide general public with information on how to prepare for blood collection and related questions. In scope of that project posters and leaflets were printed and distributed to laboratory waiting rooms. The next phase is to distribute informational material to physicians' waiting rooms. There was also a TV appearance of our president promoting our website service for general public and their FAQ.

**60th anniversary of CSMBLM.** In October 2013 the CSMBLM has celebrated 60 years of its work. The Festive Academy was enhanced by talks of Prof. Giuseppe Lippi (Preanalytical Variability. Evidence and Tentative Solutions) and Dr. Simone Zerah (Laboratory Medicine as a Profession). Both speakers and Prof. Andrea Rita Horvath became honorary members of CSMBLM.



## CUBA



### SOCIEDAD CUBANA DE PATOLOGÍA CLÍNICA – CUBAN SOCIETY OF CLINICAL PATHOLOGISTS

REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
XV International Congress on Medicine Advances. Guadalajara, MÉXICO	February 21-23, 2013	The President and Past President attended.
IFCCWorldlab Milan, Milan Congress Center, ITALY	June 26-29, 2013	One member attended.
XXI LatinAmerican Congress of Clinical Biochemistry and Laboratory Medicine. Lima, PERU	October 29-31, 2013	The President, VicePresident and one member attended.
XVI National Congress of Clinical Laboratory Professionals, CODOBIO. Santo Domingo, DOMINICAN REPUBLIC	November 28-30, 2013	The President of the CSCP attended.
XLIII Congreso Mexicano de Patología Clínica, Mérida, MÉXICO.	October 30-November 2, 2013	One member of the EB attended.
REGIONAL RELATIONS		
CSCP is currently full member of ALAPAC and COLABIOCLI.		
INTERNATIONAL RELATIONS		
CSCP is currently full member of IFCC.		
ADDITIONAL INFORMATION		
EB members of the CSCP meet monthly.		

## CZECH REPUBLIC



### CZECH SOCIETY OF CLINICAL BIOCHEMISTRY (CSKB)

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
RANK 2013	30th-31st January 2013, Pardubice	Routine analysis of nucleic acids by molecular biological methods
Patient Safety – EFLM Symposium	12th-13th April 2013, Prague	Problems of patient safety in clinical laboratories
XXXIVth Immunoanalytical Days	14th-16th April 2013, Pilsen	Biomarkers, tumour markers, immunoanalysis in endocrinology, vitamin D, personalized medicine, quality control
INDC2013 – 12th International Nutrition & Diagnostics Conference	26th-29th August 2013, Olomouc	Nutrition and human health
Atherosclerosis 2013	11th-13th September 2013, Prague	Atherosclerosis – diagnostics, treatment and prevention in adults and children
XIth Congress of the Czech Society of Clinical Biochemistry with international participation	22th – 24th September 2013, Olomouc	Advances in clinical chemistry and laboratory medicine
XIIth Conference on Monoclonal Gammopathy	8th October 2013, Hradec Kralove	Monoclonal gammopathy
EDUCATION		
Co-operation on study programs at Faculties of medicine, cooperation with Institute of Postgraduate Studies in Prague.		
Co-operation with Ministry of Health in transformation of postgraduate education of medical doctors: Medical Faculties have been responsible for this education (instead of Postgraduate Studies in Prague) since the beginning of the year 2012.		
Active participation of the project Lab Tests Online – education of patients and their relatives as well as non-laboratory workers in health care in problems of laboratory medicine; finalization of translations (see web pages: <a href="http://www.labtestsonline.cz">http://www.labtestsonline.cz</a> ). All items from US web pages were translated and are available for Czech readers.		
Prof. Racek participated as a national Lab Tests Online editor on the Meeting of National LTO editors (Berlin, Germany, 2nd – 3rd May 2013) and at the Editors Meeting during AACC Annual Meeting (Houston, Texas, 31st July 2013).		

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
5th Central-Moravian Regional Days	24th – 25th January 2013, Kouty nad Desnou	Varia
Working day	13th February 2013, Olomouc	Biochemical and molecular biological examinations in oncology
Regional meeting of clinical biochemists – West Bohemia	21st March 2013, Karlovy Vary	Varia
Working day of section of laboratory technicians	10th April 2013, Prague	Varia
Working day Nejedly's Kladno	17th April 2013, Kladno	Clinical chemistry and critically ill patient
Working day	22th May 2013, Olomouc	Biochemical examinations in cerebrovascular diseases
31st Regional meeting of clinical biochemists (South and Eastern Bohemian region)	2nd – 4th June 2013, Zdar nad Sazavou	Interdisciplinary cooperation
Regional meeting of Moravian-Silesian Region	Juna 2013, Zermanice	Varia
Working day of section of laboratory technicians	6th November 2013, Prague	Varia
Working day	13th November 2013, Brno	Problems of toxicological examinations
32nd Regional working days of clinical biochemistry	4th-6th December 2013, Karlova Studanka	Varia

*\*Czech Society of Clinical Biochemistry was the principal guarantor of all regional meetings.*

## DOMINICAN REPUBLIC



### COLEGIO DOMINICANO DE BIONALISTAS (CODOBIO)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
Reuniones Delegados hospitales nacionales.-	Año 2013.-	Mejoria continua de la Calidad en los Servicios de salud.-
Reuniones con las autoridades del Ministerio de Salud Publica	Año 2013.-	National meetings Name Date Topic of the meeting Delegates Meetings national hospitals -. Year 2013 -. Amelioration Continuous Quality Health Services. - Meetings with the authorities of the Ministry of Public Health Year 2013 -. Physical improvement plan public laboratory plants IIS. Amelioration of laboratory staff salaries, staff nombramiento. Incentive payments uptime and performance. Correction of irregularities and changes slarios designatio

#### EDUCATION

graduates:

- 1 - Management and Marketing in Health Services. Santo Domingo, San Francisco de Macoris.
- 2 - Research Methodology. Santo Domingo.

courses:

1. - Analytical Quality. Coulter Foundation sponsored by the AACC. -
- Two. - Human Relations Workshop Course.
- 3 - Ethics Course for Leaders of the Dominican College of Bioanalysts, CODOBIO
- 4.-Course Transfusion Safety. May. Update in the Diagnosis of Tuberculosis
- 6.-Update in the Diagnosis of Intestinal Parasites
- 7.-course protocol sent sample cholera, H1N1 Influenza and other Respiratory Virus

Conferences:

- 1.-bacterial infections post-surgical aesthetic. The Cost of Beauty
- 2.-Emotional Intelligence

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Region Norte: Santiago, Valverde, mao, San Francisco de Macoris, Cotui.	Año 2013	Apoyo logístico a filiales.-
Region Sur: Bani, azua, San Juna de la maguana, San Cristobal Northern Region: Santiago, Valverde, mao, San Francisco de Macoris, Cotui. Year 2013 to filiales logistical support -.	Año 2013	Apoyo logístico a filiales.-
South Region: Bani, Azua, San Juna maguana of San Cristobal year 2013 to filiales logistical support.		

## REGIONAL RELATIONS

Meetings with the Dominican College of filiales Bioanalysts, CODOBIO

## INTERNATIONAL RELATIONS

We are affiliates of the Latin American Confederation of Clinical Biochemistry, COLABIOCLI in the year 2013 represent the 1st. Investigation Board, in which we have developed a work plan together. We have attended various international conferences (Guatemala Peru, Cuba, Puerto Rico, Los Angeles.

## ECUADOR



### SOCIEDAD ECUATORIANA DE BIOQUÍMICA CLÍNICA

## NATIONAL MEETINGS

Name of the meeting	Date	Topic
Ordinary Meeting, Quito	April 6	Election and Possession of New Board 2013-2015
General Extradinary Assembly, Guayaquil	August 17	Approval of Report of Past President; last run report and Advance Technical Committee PEEC
General Extradinary Assembly, Cuenca	November 23	Reform Laws and Regulations

## EDUCATION

### National

- Conference on Internal Quality Control and External
- New Areas Of Application , Technical Study and Sample Preparation
- Quality Management in Laboratory Coagulation and Application of HPLC in the Clinical Laboratory
- PROSAR BACOVA Conference ( vaginal balance content)
- Training for PEEC

### Regional

- Guayas : Preparation of Documents for the operation of the Clinical Laboratory according to mandatory requirements of the country / 10-13 and January 24 to 27
- Guayas : Advanced Analytical Quality Practices / 22 and 23 August
- Pichincha : From Thyroid Testing Pre Analytical Report To The Issue Of
- Pichincha Indices USFDA In Biometrics Automated
- Pichincha : The Clinical Laboratory in the Polycystic Ovary Syndrome
- Pichincha : Fertility Hormones From Pre Analytical Report To The Issue Of
- Pichincha : Awareness Of The Principles Of Improvement Of Quality And Processes In The Clinical Laboratory
- Chimborazo : Course Introduction to ISO 15189 Accreditation criteria and Ecuadorian Accreditation Organization (OAE )
- Chimborazo National Tuberculosis Plan and Microbiological Methods
- Chimborazo : presumptive and confirmatory HIV testing . Legal issues relating to the National Health Authority.
- Santa Elena : Theoretical and Practical Workshop On System Implementation Of Quality Management in Clinical Laboratories
- Santa Elena : Cycle International Conference On Quality Management In Clinical Laboratory
- El Oro : National and International Conference of Clinical Biochemistry and Quality Contro

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Ordinary Meeting Chiborazo	April 1	
Extraordinary General Assembly Chimborazo	April 15	
Extraordinary General Assembly Chimborazo	October 22	
Board Meeting	November 12	
Asamblea Ordinaria Pichincha		
Asamblea General Extraordinaria Pichincha		
Asamblea General Extraordinaria Pichincha		
Asamblea Ordinaria Guayas		
Asamblea General Extraordinaria Guayas		
Asamblea Ordinaria El Oro		
Asamblea Ordinaria El Oro		
Asamblea General Extraordinaria El Oro		
Asamblea Ordinaria Santa Elena		
Asamblea General Extraordinaria Santa Elena		

## REGIONAL RELATIONS

- Ecuadorian Accreditation Organization (OAE)
- Ministry of Public Health of Ecuador
- Interagency Committee on Sound Management of Hospital Waste (Chimborazo)
- Technical Training Secretary Ecuador (SETEC)
- Polytechnic School of Chimborazo (ESPOCH)
- University of Guayaquil
- Central University of Ecuador
- Technical University of Machala
- Business: Medilabor, Qualiplus, Gadere

## INTERNATIONAL RELATIONS

- International Federation of Clinical Chemistry (IFCC)
- Latin American Confederation of Clinical Biochemistry (COLABIOCLI)
- Peruvian Association of Professional Laboratory (APPLAC)
- Biochemical Association of Paraguay
- Biochemistry Argentina Foundation
- Wiener Foundation
- Brazilian Society of Clinical Biochemistry
- WG IANT CHAIR EDITOR RIA / DIV (ICPV, IFCC)
- Wallace H. Coulter Foundation
- American Association for Clinical Chemistry (AACC)

## ADDITIONAL INFORMATION

We are preparing for our two big events such as the guild Ecuadorian XII International Congress and VIII of Clinical Biochemistry and the XXII Congress of Clinical Biochemistry and Laboratory Medicine, in which laboratory professionals will be participating in international recognition and a extensive experience.

In addition, we are close to begin a new cycle of the External Quality Assurance, facilitated by the FBA.

## EGYPT



### THE EGYPTIAN SOCIETY OF CLINICAL CHEMISTRY AND CLINICAL LABORATORY SCIENCES (ESCC)

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
The 58 <sup>th</sup> Scientific Congress	27-28 November, 2013	Laboratory Medicine & Genomics Update
EDUCATION		
Workshop 1: Molecular Analysis of Disease Via Next Generation Sequencing (NGS), organized by Egyptian Society of Clinical Chemistry in collaboration with R&D, Qiagen, USA, on the 27th of November, 2013-Cairo, Marriot Hotel		
Workshop2: Anti-CCP Testing in Diagnosis and Management of Rheumatoid Arthritis, on the 28th of November, 2013-Cairo Marriott Hotel, organized by Egyptian Society of Clinical Chemistry		
REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
3rd Jordanian Conference for Medical Labs: Promising Horizons, in collaboration with IFCC and AFCB	23 to 25 March 2013, Amman (Landmark Hotel) Jordan	The Jordanian Society of Medical Laboratory Sciences
REGIONAL RELATIONS		
Arab Federation of Clinical Biology		
INTERNATIONAL RELATIONS		
IFCC – Laboratory Medicine WHO – EMRO Arab Federation of Clinical Biology		
ADDITIONAL INFORMATION		
<p>The 58th Congress of the Egyptian Society of Clinical Chemistry included 7 Symposia as follows:</p> <p>Symposium 1: Endocrinology Symposium 2: Gastroenterology and Hepatology Symposium 3: Quality Assurance and Clinical Laboratory indicators Symposium 4: Pharmacogenomics Symposium 5: Tumor Markers Oncology Symposium 6: Cardiovascular Risk Markers Symposium 7: Molecular Microbiology</p> <p>The program included 18 lectures (Oral Presentations) and 20 posters, throughout two days (27&amp;28 November 2013). The number of attendees was 302. The congress was under the patronage of Minister of Health and Population, as well as Minister of Scientific Research of Egypt. The Congress was held in collaboration of IFCC Laboratory Medicine, WHO EMRA and AFCB, at Cairo Marriott Hotel, Zamalek, Cairo Egypt</p>		

## ESTONIA



### ESTONIAN SOCIETY OF LABORATORY MEDICINE

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
General meeting of the Society (ESLM)	April 03, 2013, Tallinn	POCT testing: Finnish experience, International activities of ESLM, 60th anniversary of IFCC, abusus non tollit usum, approval of the annual report 2012.
ESLM XV Summer School	August 22-23, 2013, Kurgjärve	New vs. Old – ISO15189 2008/2012 standard requirements for LIS, assumptions for electronic exchange of lab data: E-health. Cooperation with other medical specialist societies. Reports of the teams (licensing, hematology, POCT study)
General meeting of the Society (ESLM)	December 4, 2013, Narva	30 years with HIV, STD guidelines in Europa and in Estonia, experience of West-Tallinn Hospital on lab diagnostics of syphilis 2009-2012, reports of supporting members of ESLM

## NATIONAL MEETINGS

Name of the meeting	Date	Topic
The 58 <sup>th</sup> Scientific Congress	27-28 November, 2013	Laboratory Medicine & Genomics Update

## EDUCATION

Interdisciplinary seminar STROKE – April 26, 2013, Tallinn. Pathophysiology, epidemiology, diagnostics and rehabilitation of stroke. Its primary and secondary prevention.  
Joint meeting of Estonian Society of Anesthesiologists, ESLM and Estonian Society of Nephrologists. – Oct. 25, Tallinn. Acute renal failure and RRT

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
BALM Board meeting	September 20, 2013 in Riga	ESLM suggestions for the scientific programme of the 2014 BALM Congress

## REGIONAL RELATIONS

Board of the ESLM (Sept 5, 2013 in Tallinn) appointed two permanent members (for 2 yrs) into board of the Baltic Association of Laboratory Medicine (BALM) and four members into Organizing and Scientific Committees of the next BALM congress (Sept 18-20, 2014 in Riga).

## INTERNATIONAL RELATIONS

Subteams:

EUCAST Estonian team has supervised and instructed labs of microbiology on assessment of antimicrobial sensitivity, incl. Use of standards (<http://www.elmy.ee/index.php?page=154>).

Our representative participated in the meeting of EUCAST subcommittee (AFST) | 29.04. 2013 Berlin.

Board of ESLM delegated one QA specialist as corresponding member of the IFCC TF-POCT Working Group: "How should Glucose Meters be Evaluated for Critical Care". She participated in the meeting of the WG 20.05 2013 in Milan.

In 2013 we were also represented in the conference on quality indicators FCC WG LEPS (Laboratory Errors and Patient Safety) „Consensus Conference Harmonization of Quality Indicators“ Padova 24.10.2013.

ESLM representative participated in EC4 Register meeting and EFLM General Assembly on EUROMEDLAB in May 19-23, 2013 in Milan.

## ADDITIONAL INFORMATION

In addition to the above information there are engaged permanent working groups in the fields of

- Laboratory terminology,
- Licensing,
- LOINC (Logical Observation Identifiers Names and Codes),
- Laboratory quality,
- Kidney biomarkers,
- Cardiac markers and
- Laboratory hematology

## ETHIOPIA

### ETHIOPIAN MEDICAL LABORATORY ASSOCIATION (EMLA)



## NATIONAL MEETINGS

Name of the meeting	Date	Topic
Continuing Medical Education	31 <sup>st</sup> March 2013	Clinical and Diagnostic Challenges of Tuberculosis
18 <sup>th</sup> Annual Conference and Continuing Medical Education	08-09 June 2013	Quality Laboratory Result Influences Clinical Outcomes
Consultative Workshop	23-24 September 2013	Need Assessment of continuing Professional Development (CPD) and Finalizing the Draft Document of Scope of Practice for Medical Laboratory Professionals Practicing in Ethiopia

## EDUCATION

### Training on Quality Laboratory Management System (QLMS) 2013

Ser. No	Training Site	Training Dates	Total Trainees	Financial Source
1	Bahir Dar	11 – 15 Jan 2013	29	
2	Dire Dawa	12 – 16 Feb 2013	21	
3	Nekemit	2 – 6 March 2013	30	USAID  PHSP
4	Mekelle	2 – 6 March 2013	27	EMLA
5	Addis Ababa	20 – 24 March 2013	27	RHBs
<b>Total</b>			197	

Ser. No	Training Site	Training Dates	Total Trainees	Financial Source
1	Bahir Dar	11 – 15 March 2013	25	
5	Addis Ababa	18 – 22 Sept 2013	39	CDC
<b>Total</b>			64	EMLA

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
African Regulatory Forum on IVD Diagnostics and Medical Devices, Nairobi, Kenya	24 – 26 July 2013	Professional contribution, as an expert nominee on behalf of MoH of Ethiopia

## REGIONAL RELATIONS

Very good regional relation with AFCC, but limited to e-mail communication due lack of central funding for travel assistance in regional meetings.

## INTERNATIONAL RELATIONS

We have an excellent relation with CDC, AFCC, IFCC, and the African regulatory forum on IVD Diagnostics.

## ADDITIONAL INFORMATION

We have started grant management of PhD students of our members with Universities abroad in 2013.

## FINLAND

### FINNISH SOCIETY FOR CLINICAL CHEMISTRY (SKKY)



## NATIONAL MEETINGS

Name of the meeting	Date	Topic
Spring meeting	10.-11.4.2013	Point of Care diagnostics, Troponin, Immunochemistry, active B12-vitamin
Fall meeting	31.10.-1.11.2013	The different organization models to produce laboratory services, Urinary tract infection diagnostics, drug testing

## EDUCATION

At spring meeting the topics of the lectures were Point of Care diagnostics, Troponin, Immunochemistry and active B12-vitamin. The total number of participants was 100 of which 9 were lecturers.

At fall meeting the topics of the lectures were the different organization models to produce laboratory services, urinary tract infection diagnostics and drug testing. The total number of participants was 128 of which 17 were lecturers.

During the year 2013 FSCC has continued to financially support the participation of its members in international meetings. FSCC has also admitted grants to its members to be used for scientific research.

Klinilab is a journal published by FSCC. The journal published 6 issues in 2013 and it was freely distributed to all members of the FSCC.

## REGIONAL RELATIONS

FSCC is a member society of the Nordic Society for Clinical Chemistry (NFKK = Nordisk förening för Klinisk kemi). Finnish members in the board of NFKK during year 2013 have been Tuula Metso and Harri Laitinen.

Klinisk Biokemi i Norden is a journal published by NFKK. The journal published 4 issues in 2013 and it was freely distributed to all members of the NFKK member societies.

## INTERNATIONAL RELATIONS

Päivi Laitinen was the national representative of FSCC in IFCC. Kari Pulkki was the national representative in the board of EFLM.

## FRANCE

### SOCIÉTÉ FRANÇAISE DE BIOLOGIE CLINIQUE (SFBC)



#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
SFBC Scientific Meeting Journées Internationales de Biologie-Paris	November 13th-15th, 2013	- Mass spectrometry - Nanotechnologies - Biology of elderly - Biomarkers in renal diseases and cancer

#### EDUCATION

- Educational Committee chaired by Dr C. Augereau et Dr F. Guerber
  - ✓ Continuous professional development (DPC) and continuous medical education (CME) through SFBC scientific meeting sessions
- Committee on Evaluation of Professional Practices (C-EPP): chaired by Dr I. Aimone-Gastin (Nancy)
  - ✓ National Agreement SFBC as Validating Society for "EPP"
  - ✓ Relations with the Federation of Medical Specialities (FSM)
- Topics of EPP and CME actions in 2013:
  - Biomarkers of kidney diseases
  - Biology of elderly

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
3rd Jordanian Conference on Medical Technology	Amman (Jordan) March 25th-26th, 2013	Invited lectures
International Symposium Charles University	Prague (Czech Republic) April 12th, 2013	Invited lecture
4e Congrès de Biologie Clinique 5e Journées Francophones de Médecine de Laboratoire	Alger (Algeria) April 21st – 23rd, 2013	Invited lectures FIFBCML Executive Board
2013 EFLM/IFCC Meeting	Milano (Italy) May 19th – 23rd, 2013	Session chairs Invited lectures – Meetings – EFLM General Assembly EuroMedLab 2015 booth - posters
13e Journées Marocaines de Biologie Clinique	Casablanca (Morocco) June 6th – 8th, 2013	Session chair
2013 AACC Annual meeting	Houston (USA) July 28th-August 1st, 2013	Meetings with the AACC- EB, LTO
21st Meeting of the Balkan Clinical Laboratory Federation 1st Montenegrin Conference of Clinical Laboratory	Budva (Montenegro) September 25th – September 28th, 2013	EuroMedLab 2015 booth

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
11th Congress of the Greek Society of Clinical Chemistry and Clinical Biochemistry	Volos (Greece) October 11th – 12th, 2013	Invited lecture
APFCB Regional Congress	Bali (Indonesia) October 27th – 30th, 2013	Invited lectures IFCC meetings Session chair IFCC-TF YS (Task Force for Young Scientists) meeting and session
Scientific Symposium (Department of Clinical Biochemistry, Clinical centre of Serbia and Society for Continuing Medical Education EURO CME)	Kapaonik (Serbia) November 26th, 2013	Invited lecture
ACBICON	New Delhi (India) December 3rd – 6th, 2013	Invited lectures IFCC- TF YS (Task Force for Young Scientists)



## ADDITIONAL INFORMATION

### Participation of SFBC members in IFCC Committees and Working Groups

- IFCC-EB
- IFCC-SD EC
- IFCC-SD

B. Gouget, Treasurer, 2012 – 2014  
P. Gillery, Vice-Chair, 2011-2013

### Committees

- Reference Systems of enzymes (C-RSE)
- Molecular diagnostic (C-MD)
- Traceability in Laboratory Medicine (C-TLM)

J.M. Lessinger, Member, 2011-2013  
D.Sternberg, corresp. member  
A. Vassault, corresp. member

### Working groups

- Clinical Quantitative Mass Spectrometry Proteomics (WG-cMSP)
- Standardization of Carbohydrate-Deficient-Transferrin (WG-CDT)
- Standardization of Growth Hormone (WG-GH)
- Standardization of glomerular filtration rate (WG-GFRA)
- Standardization of Troponin I (WG-TnI)
- Harmonization of antibody tests (WG-HAT)
- Quality specifications for glucose POCT (WG-GPOCT)
- Silver book (WG)
- Standardisation of Hemoglobin A2 (WG-HbA2)
- Standardisation of Pregnancy-Associated Plasma Protein (WG-PAPPA)
- Standardisation of Albumin Assay in Urine (WG-SAU)
- Standardisation of Thyroid Function Tests (WG-STFT)
- Standardisation of Glomerular Filtration rate Assessment (WG-GFRA)

S. Lehmann, Chair  
F. Schellenberg, Chair  
J.C. Souberbielle, Member  
N. Lahlou, corresp. member  
J.P. Cristol, corresp. member  
G. Lefèvre, corresp. member  
P. Carayon, corresp. member  
J. Goudable, corresp. member  
G. Ferard, Chair  
M. Arock, corresp. member  
R. Garnotel, corresp. member  
E. Caussé, corresp. member  
A. Charrié, corresp. member  
L. Piéroni, corresp. member

### ▪ IFCC-EMD

- C-Committee on Analytical Quality (C-AQ)
- C-Evidence Based Laboratory Medicine (C-EBLM)

A. Vassault, member  
J. Watine, corresp. member

### ▪ IFCC-CPD

- IFCC News and WG-IFCC News

D Gruson, Member

### ▪ IFCC-TF

- Task force for Young Scientists (TF-YS)

G. Ko, Chair, 2013-2015

### ▪ IFCC-CCC

P. Carayon, corresp. Member

### Participation in Lab Test Online Project

V. Ducros  
J.P. Bali

### SFBC Board

	<u>2013</u> (term ending in november 2013)	<u>2014</u> (term starting in november 2013)
<b>Executive Board:</b>		
President	Pr Joëlle GOUDABLE	Pr Joëlle GOUDABLE
• Vice-Presidents	Pr Marc DELPECH	Pr Marc DELPECH
• Past-Presidents	Pr Philippe GAMBERT Pr Alain LEGRAND	Pr Philippe GAMBERT Pr Alain LEGRAND
• General Secretary	Pr Vincent SAPIN	Pr Vincent SAPIN
• Assistant General Secretary	Dr Véronique ANNAIX	Dr Véronique ANNAIX
• Treasurer	Dr Franck FELDEN	Dr Philippe CHATRON
<b>Scientific Committee:</b>	Dr Véronique DUCROS Pr Sylvain LEHMANN Dr Jean-Philippe LAVIGNE	Pr Sylvain LEHMANN Dr Katell PEOC'H
<b>Editor in Chief ABC:</b>	Pr Jean-Louis BEAUDEUX	Pr Jean-Louis BEAUDEUX
<b>Educational Committee:</b>	Dr Christine AUGEREAU	Dr Christine AUGEREAU
<b>Webmaster:</b>	Pr Vincent SAPIN	Pr Vincent SAPIN Mrs Séphora SAMTCHAR

# GUATEMALA

## ASOCIACIÓN DE QUIMICOS BIÓLOGOS DE GUATEMALA



### NATIONAL MEETINGS

Name of the meeting	Date	Topic
Seminar "Strategies to reach excellence in the laboratory"	Guatemala, April 2013	<p>"Seminar Strategies to reach excellence in the laboratory"</p> <p>The seminary was held in The Tikal Futura Hotel in Guatemala City, the 18-19 of April 2013, with the collaboration of the coordinators of the External Quality Assessment Program of the Guatemalan Society.</p> <p>Objectives:</p> <ol style="list-style-type: none"> <li>1. To celebrate with the Guatemalan clinical chemists the 15th anniversary of External Quality Assessment Program.</li> <li>2. Strengthen the continuous educational program of The Guatemalan Society of Clinical Chemist.</li> <li>3. Establish future projects, programs and activities for the different countries of Central America, Caribbean countries with representative of IFCC and Latin American Confederation of Clinical Biochemistry COLABIOCLI.</li> </ol> <p>The scientific program emphasized the importance of the following the new developments in the laboratory and its application to the technology, the importance of the Quality Assurance in all the areas of the laboratory, including Molecular Biology in search of the excellence and need to apply new developments.</p> <p>The IFCC contributed with the distinguish professor Dr. Daniel Mazziotta by VLP</p> <p>Monthly meeting with different Laboratory Subject with the participation of Clinical Chemist of Public and Private Laboratories in the Continuous Education Program of the Guatemalan Society of Clinical Chemists</p>

### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Workshop with COLABIOCLI Executive board and Representative of Central American National Society.	Guatemala, April 2013	To plan a future activities related to the cooperation of Latin American Confederation COLABIOCLI executive board to learn about their working plan for Central American and Caribbean Societies.

### REGIONAL RELATIONS

Dra. Ana Leticia Cáceres de Maselli attending as speaker in Latin American Congress celebrated in Peru, in October 2013 as coordinator of Immunology External Quality Program with the topic Experience in External Quality Program in Guatemala.

Dra. Alba Marina Valdes de García, President of Guatemalan Society of Clinical Chemists', participate as member in the committee to select the best Scientific work among young Latin American Scientist, support by Wiener Company.

### INTERNATIONAL RELATIONS

Dra. Ana Leticia Cáceres de Maselli, Guatemalan National Representative of IFCC; participate as member of EMD committee.

Dra. Ana Leticia Cáceres de Maselli participate as correspondent of The Radio El Microscopio, to integrate information to all Latin American clinical chemists.

### ADDITIONAL INFORMATION

The Guatemalan Society of Clinical Chemist coordinated of one year course of Clinical Laboratory to graduate Laboratory Technicians, by Dr. Flordalma Cano.

## HONG KONG

### HONG KONG SOCIETY OF CLINICAL CHEMISTRY (HKSCC)



#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
HKSCC Annual Scientific Meeting	12 January 2013	The Public Health Dimension of Chemical Pathology
Dinner Lecture I	10 April 2013	Laboratory Testing During Pregnancy: More questions than answers
Dinner Lecture II (AACB Roman Lecture)	13 May 2013	Perspectives of Porphyria” and “ Does Vitamin D really help to prevent infectious diseases
Dinner Lecture III	4 September 2013	The Use and Abuse of Tumour Markers
Dinner Lecture IV	27 November 2013	Laboratory QC based on Risk Management Principles

#### EDUCATION

The year's educational activities began with the 13th Annual Scientific Meeting held on 12 January 2013. The theme of the ASM was "The Public Health Dimension of Chemical Pathology". The event kicked off with two interesting talks from our veteran members: Dr Tony Mak of the HA Toxicology Reference Laboratory and Professor Rossa Chiu of the Department of Chemical Pathology. Over 160 members and guests attending the occasion.

Prof Ann Gronowski, External Examiner in Chemical Pathology, CUHK delivered a dinner lecture entitled "Laboratory Testing During Pregnancy: More questions than answers?" on 10 April. The event was attended by 170 members and guests.

Prof Chris Florkowski, the AACB Roman Lecture delivered the AACB Roman Lecture on 13 May. He gave two lectures: "Perspectives of Porphyria" and " Does Vitamin D really help to prevent infectious diseases?" The event was attended by 180 members and guests.

A dinner lecture was given by Dr Alan McNeil, External Examiner for Chemical Pathology, Hong Kong College of Pathologists on 4 September. The title of his talk was "The Use and Abuse of Tumour Markers". The event was attended by 140 members and guests.

A joint seminar with BioRad (HK) Ltd on Laboratory Quality Control was held on 27 November. The invited speakers were: Dr James H. Nichols ("Laboratory QC based on Risk Management Principles") and Dr Peter Vervaart ("A Practical Approach to QC Rules and Frequency") The event was attended by 200 members and guests.

#### REGIONAL RELATIONS

APFCB Representative

##### Ms Judy Lai

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Department of Pathology,  
Queen Elizabeth Hospital, Kowloon  
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#### INTERNATIONAL RELATIONS

IFCC Representative

##### Professor CHIU Wai-kwan, Rossa

Department of Chemical Pathology, The Chinese University of Hong Kong, Shatin, N.T. Hong Kong  
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## HUNGARY

### HUNGARIAN SOCIETY OF LABORATORY MEDICINE (MLDT)



#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
QualiCont Forum	26 January 2013	Quality Assurance
Meeting of the Hungarian Society of Laboratory Medicine with participation of Österreichische Gesellschaft für Laboratoriumsmedizin und Klinische Chemie	6 September 2013	Trends and tendencies in laboratory medicine in Hungary. The situation of laboratory medicine in Austria. Evolution of flow cytometric technologies. Comprehensive workflows and testing strategies in platelet function testing

## EDUCATION

We had several 1-5 days long, postgraduate training courses at the four Medical Faculties of Universities in Hungary (Budapest, Pécs, Szeged and Debrecen).

There were several one- day training courses mostly organized by in vitro diagnostics companies on different fields of laboratory medicine.

## REGIONAL RELATIONS

Traditionally, in the field of laboratory medicine Hungary has the closest relations with Austria, Croatia, Romania and Slovenia.

## INTERNATIONAL RELATIONS

Lab Tests Online International Coordination Committee Meeting, Berlin, Germany 2-3 May 2013, participation

## INDIA

### ASSOCIATION OF CLINICAL BIOCHEMISTS OF INDIA (ACBI)



## NATIONAL MEETINGS

Name of the meeting	Date	Topic
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40th. Annual National conference of ACBI, VMCC & Safdarjung Hospital, New Delhi. India	3-6 th. December 2013	
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## EDUCATION

ACBI National Conference - New Delhi

Lectures were delivered by the following during the conference:

Dr. Prevaeen Sharma - "Low grade inflammation as a link with obesity and Metabolic syndrome".

Dr. Subrata Sinha - "A novel pro-inflammatory pathway defines a distinct sub-set of human glioblastoma.

Dr. Steven Wong - "Pharmacogenomics clinical testing for personalized medicine – personalized laboratory medicine."

Dr. K. Kannan – "Road ahead for clinical biochemists – new opportunity".

Dr. Kalyan Goswami - " Nano particles & its macro impact: plausibility and prospect."

Dr. Arun Raizada – " driving transformative changes in clinical laboratory".

Dr. S. K. Sarin - "Liver failure & prospects of Hepatic regeneration".

Dr. Rajendra Prasad – "Current scenario for CF in India: present & Future".

Dr. N. K. Mehra – "Gains of genomic research: opportunities & challenges".

Dr. D. R. Asthana – " Quality improvement in the molecular diagnostics: practical approaches for detecting errors & implementing improvements."

Dr. Kannan Vaidyanathan - "Higher prevalence of alkaptonuria in south Indian population."

Dr. Sucheta Dandekar – "Mentoring & giving effective feedback".

Dr. S. V. Rana – " Non-invasive breath hydrogen test for measurement of carbohydrate malabsorption, small intestinal bacterial overgrowth & orocecal transit time in gastrointestinal diseases."

Dr. Lalit Kumar - " Multiple Myeloma: impact of disease biology & autologous stem cell transplantation for multiple myeloma".

Dr. H. A Morris – " Vitamin D: clinical & laboratory perspectives."

Dr. Kamna Srivastava – "Heat Shock Protein 70 in Essential hypertension: A new Dimension"

Dr. Brain Gouget – " Lab management & patient safety".

Over 340 poster were presented by the delegates and 95 oral presentations were given during the conference besides the invited lectures. A total of nearly 1000 delegates registered for the conference.

The EAST ZONE Unit of ACBI organized a four day training course on Quality Management System & Internal Auditors, from 15th to 18th of January, 2013.

A "Research Workshop on Inborn Errors of Metabolism & Metabolic Disorders" was organized by the Department of Biochemistry, College of Medicine & NM Hospital, West Bengal University of Health Sciences,, Kalyani on March 7-8, 2013

A National Seminar on Biomarkers was organised by the ACBI Kerala chapter in connection with the first south zone meeting of the ACBI at MES Academy of Medical Sciences, Perinthalmanna on 8 & 9 June 2013.

A National Symposium on Biomarkers in Health and Disease: Bench to Bedside was organized by Department of Biochemistry, Shri Guru Ram Rai Institute of Medical & Health Sciences, Dehradun on July 3-4, 2013.

The Uttarakhand Branch of Association of Clinical Biochemists of India and Shri Guru Ram Rai Education Mission, Dehradun jointly organized the First International Lead Poisoning Awareness Week at the Department of Biochemistry Shri Guru Ram Institute of Medical and Health Sciences, Dehradun from 20-26 October 2013.

A Seminar on Advances in Laboratory Medicine was conducted under the auspices of Association of Clinical Biochemists of India (ACBI), Kerala Chapter, in collaboration with the Association with the Society of Clinical Chemists of Kerala (SCCK), on the 6th October 2013.

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
13 <sup>th</sup> . Asian Pacific Congress of Clinical Biochemistry & Laboratory Medicine, Bali, Indonesia	28 to 30th October 2013	ACBI sponsored a symposia on "Endocrine and Metabolic Abnormalities" in which Dr. Praveen Sharma, Dr M.V.R Reddy and Dr Rajiv R Sinha spoke on various aspects of Metabolic syndrome and Type 1 DM.

## REGIONAL RELATIONS

- (1) At the ACBI National Meet in New Delhi, India, delegates from Nepal, Bangladesh, Iran and many Middle East countries actively participated in this meet.
- (2) Many members of ACBI are actively participating in the affairs of APFCB. Dr Elizabeth Frank (Bangalore) as Treasurer, APFCB & Dr Praveen Sharma (Jodhpur), Dr MVR Reddy (Sewagram), Dr Sucheta Dandekar (Mumbai), Dr D.M. Vasudevan (Kochi) & Dr Rajiv R. Sinha (Patna) chairpersons/members of various divisions & sub-committees.

## INTERNATIONAL RELATIONS

The ACBI National Meet in New Delhi hosted the IFCC Task Force for Young Scientists (IFCC-TF YS) This was a collaborative effort of ACBI and IFCC to create awareness about emerging trend in Laboratory Medicine and the current and future developments in the field of Quality and Technology amongst young scientists. The conclave was addressed by eminent speakers from the IFCC & ACBI fraternity; including Dr. Brian Gouget (IFCC representative), Dr Pradeep Dabla, Member & National Representative, IFCC-TF YS, Dr Gabriel Ko, Dr abhay Pratap, President, ACBI, Dr Praveen Sharma Past President-ACBI, Chief Editor-IJCB & Chair Communication Committee-APFCB, Dr. Michael Oellerich, Director Europe WASPaLM, Dr. Howard Morris, Vice-President IFCC, Dr. MVR Reddy, EB-ACBI, Web Editor-APFCB News, Prof. & Head Biochemistry, MGIMS Sevagram, Dr. Pankaj Sharma, Head Quality Control & Biophysics, Dr Lal Path Labs Pvt Ltd, India.

## ADDITIONAL INFORMATION

The Association of Clinical Biochemists of India has successfully won its bid to host the 15th. Asian Pacific Congress of Clinical Biochemistry & Laboratory Medicine in Jaipur, Rajasthan in 2019.

The 41st. Annual National Conference of the association will be held in Jodhpur, Rajasthan in the month of November/ December 2014. The organizing secretary is Dr Praveen Sharma. He can be contacted at praveensharma55@gmail.com.

The following were elected as office bearers of ACBI for the year 2014.

**President:** **Dr. Jayashree Bhattacharya**  
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### ORGANIZING SECRETARY, ACBICON 2014

**Dr. Praveen Sharma**  
Professor & Head  
Department of Biochemistry  
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### VICE PRESIDENT (II):

**Dr. Monika Gupta**  
Assistant Professor  
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### ADVISOR

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### SECRETARY

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## ADDITIONAL INFORMATION

**TREASURER** Dr Krishna Ranjan Prasad,  
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**JOINT SECRETARY:** 1. **Dr. H. V. Singh (Delhi):** e-mail: hvsingh77@hotmail.com  
2. **Dr. Ram Binay Sinha (Patna):** e-mail: kpsacbi@yahoo.co.in

### ZONAL COUNCIL MEMBERS

North Zone **Dr Seema Bhargava**  
Email: bhargavaseema6@gmail.com

South Zone **Dr. T. Vijayakumar**  
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East Zone : **Dr. Abhijit Pratap**  
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West Zone **Dr. T. F. Ashavaid**  
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Central Zone **Dr. Sanjeev Singh**  
Email: sanjeevsinghgwalior@gmail.com

### CONVENOR, ACBI CORPORATE WING

Mr. Upendra Singh  
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Tel: 022-24922455/669/726 022-24950363/314  
email: upendra@kopran.com

## INDONESIA

### INDONESIAN ASSOCIATION FOR CLINICAL CHEMISTRY (IACC)



#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
KONAS XIII (13th National Congress of IACC)	October 26, 2013	Accountability Report of IACC Organization Committee 2009-2013 and election for the new president of IACC 2013-2016

#### EDUCATION

IACC Scholarship Award. IACC grant 2 scholarship award to attend 13th APFCB Congress for IACC member.

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
13th APFCB Congress	October 27-30, 2013	APFCB, IFCC, WASPaLM, IACP

#### REGIONAL RELATIONS

IACC as the host of 13th APFCB Congress was intensively communicated with APFCB. The 13th APFCB Congress had successfully done. We got some knowledge from international participants about the beneficial of the congress.

#### INTERNATIONAL RELATIONS

IACC have been cooperating with IFCC and WASPaLM to continuous developing clinical chemistry and laboratory medicine field.

#### ADDITIONAL INFORMATION

IACC has been cooperating with IDAI (Indonesia Association of Pediatrician) to build the reference value for children in "Indonesian Pediatric Reference Values Project"

## ISRAEL



### ISRAEL SOCIETY FOR CLINICAL LABORATORY SCIENCES

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
47th Annual Meeting of the Israeli Society for Clinical Laboratory Sciences	12-13/03/2013	This meeting entailed seven sessions in the following fields of interest: <ul style="list-style-type: none"><li>• Forensic Laboratories techniques</li><li>• Plasmapheresis as a treatment for autoimmune diseases</li><li>• Bacterial Biofilms: network processes</li><li>• Diagnosis of IBD</li><li>• Bone marrow transplantation: not bone marrow and not transplantation</li><li>• Kidney diseases diagnostics</li><li>• The awakening of tuberculosis</li></ul>
Implementation of the recommendations for Standardization of serum Creatinine	3.07.13	Serum creatinine standardization and eGFR calculation Clinical implications for patients including pediatric patients

#### EDUCATION

Our society sponsored two courses of continuing education:

- The clinical laboratory in the 21st century: technological and scientific challenges, the Rambam College of knowledge for continuous education, Rambam Medical Center, Haifa (01-08/2013)
- The art of management: implementation for clinical laboratories managers, the Rambam College of knowledge for continuous education, Rambam Medical Center, Haifa (10/13-01/14)

## ITALY



### ITALIAN SOCIETY OF CLINICAL CHEMISTRY AND CLINICAL MOLECULAR BIOLOGY (SIBioC)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
EUROMEDLAB 2013 20th IFCC - EFLM European Congress of Clinical Chemistry and Laboratory Medicine 45th Congress of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC)	19-23 May 2013	<ul style="list-style-type: none"><li>• Biomarkers of prostate cancer</li><li>• Biomarkers of renal function and injury</li><li>• Clinical applications of quantitative mass spectrometry</li><li>• Contemporary issues in thyroid disease</li><li>• Controversies in detection and monitoring of diabetes</li><li>• Emerging issues in sepsis</li><li>• Epigenetics in cancer</li><li>• Evidence in action: translating guideline recommendations into clinical practice</li><li>• Future and quality of POCT</li><li>• Gastroenterology disease in 2013</li><li>• Harmonization in autoimmune testing</li><li>• Iron metabolism and pathophysiology</li><li>• Laboratory assessment of maternal/fetal unit</li><li>• Laboratory management and patient safety</li><li>• Laboratory testing in bone and joint disease</li><li>• Laboratory testing in neurodegenerative disease</li><li>• MicroRNAs: from bench to bedside</li><li>• Molecular basis and clonal evolution of myeloproliferative neoplasms</li><li>• Next generation sequencing in laboratory diagnostics</li><li>• Novel aspects in coagulation testing</li><li>• Sick molecules and amyloidosis</li><li>• Testing for drugs of abuse</li><li>• The changing landscape of the clinical evaluation of biomarkers</li></ul>

#### EDUCATION

The "School for continuous education in Laboratory Medicine" (SPML, Scuola di formazione permanente in Medicina di Laboratorio) in 2013 organized 18 courses (practical and theoretical) on the following topics:

1. Allergology
2. Emergency laboratory medicine
3. Flow cytometry
4. Haematology
5. Mass spectrometry
6. Molecular biology
7. Thrombosis and haemostasis

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Sepsi: un percorso clinico/diagnostico tra vecchi e nuovi biomarcatori	Firenze, 22nd February 2013	
Up dates in autoimmunity 2013 - "secrets & investigations"	Modena, 8-9 March 2013	
Aggiornamenti in ematologia diagnostica: la valutazione microscopica normale patologica	Milano, 14 - 15 March 2013	
Il Laboratorio e l'analisi dei materiali biologici non ematici: dalla tradizione alla modernita'	Viterbo, 15 March 2013	
Focus sulle aree grigie della medicina di laboratorio	Chieti, 21 March 2013	
La Metodologia Statistica: Strumento Indispensabile In Medicina Di Laboratorio	Alessandria, 12 June 2013	
Corso di aggiornamento in ematologia diagnostica: la valutazione microscopica normale patologica	Jesi, 17-18 June 2013	
Infezioni sessualmente trasmesse: vecchie e nuove realta'	Pietra Ligure (Sv), 22 June 2013	
Politiche Sanitarie e modelli organizzativi in medicina di laboratorio: un ponte verso il futuro	Parma, 26 June 2013	
10° Congresso Regionale SIBioC - Sezione Sicilia	Caltanissetta, 25 September 2013	
Utilizzo dell'emoglobina glicata per la diagnosi del diabete: opinioni a confronto	Verona, 28 September 2013	
Le Giornate Mediteranee Di Medicina Di Laboratorio - 4° Congresso Interregionale SIBioC - Sezioni Regionali Sardegna - Sicilia - Campania	Sorrento, 9 - 11 October 2013	
XVII Congresso Regionale Multidisciplinare di Medicina di Laboratorio	Francavilla Al Mare - Chieti, 21-22 October 2013	
Aspetti, sinergie e strategie multidisciplinari in tossicologia	Lerici, 25 October 2013	
Farmaci anticoagulanti orali diretti: cosa cambia per il clinico ed il laboratorio	Roma, 5 December 2013	
Medicina di laboratorio e nuovi modelli sanitari	Bologna, 13 December 2013	

## REGIONAL RELATIONS

SIBioC has a permanent contact with the Italian Regions by means of a network of 20 Regional delegates. The Regional delegates meet constantly with the Executive Board, at least twice a year

## INTERNATIONAL RELATIONS

Several speakers from all over the world attended the meeting in Milano in May, and many of them gave oral presentations and took active parts to more than 40 Educational Workshops.

## ADDITIONAL INFORMATION

Besides the National Congress, SIBioC organized 17 regional or inter-regional events in Italy.

## JAPAN

### JAPAN SOCIETY OF CLINICAL CHEMISTRY (JSCC)



## NATIONAL MEETINGS

Name of the meeting	Date	Topic
The 53th Annual Meeting of Japan Society of Clinical Chemistry (JSCC)	2013/8/30.31.9/1	

## EDUCATION

In all annual meeting of JSCC and regional meetings in Japan, educational lectures on various clinical chemistry related subjects, such as standardization, analytic methods, and laboratory related trouble shootings were performed by the specialists of clinical chemists. In addition, clinical chemistry related companies held various types of symposiums and educational meetings in all over Japan all the year round.



## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Hokkaido regional meeting	9. 21, 2014	
Tohoku regional meeting		
Kanto-Koshinetsu regional meeting	7.20. 2014 / 5.11, 2014	The meetings were held independently, but JSCC informed through home page and JSCC Journal.
Toukai-Hokuriku regional meeting	3.10, 2014	
Kinki regional meeting	6.1, 2014	
Chugoku-Shikoku regional meeting	9.1, 2014	
Kyushu regional meeting	2.9, 2014	

## REGIONAL RELATIONS

In addition to the annual meeting of Clinical Chemistry, one or twice a year, regional meeting was held. In addition, to facilitate the regional communications and to fasten the regional relationship, irregular meetings on clinical chemistry were held all over Japan.

## INTERNATIONAL RELATIONS

### Representative to APFCB

Council:	Yukio Ando
Education Committee:	Susumu Osawa
Scientific Committee:	Kiyoshi Ichihara
Laboratory Management Committee:	Yutaka Yatomi
Communications:	Hitoshi Chiba
Congress and Conferences:	Yuzo Kayamori

### IFCC Activity

Scientific Division (SD), Executive Committee (EC):	Naotaka Hamasaki, Member
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### SD Committees:

• Reference Intervals and Decision Limits (C-RIDL):	Kiyoshi Ichihara, Chair
• Nomenclature, Properties and Units (C-NPU):	Kazuyoshi Yamauchi, Member
• Molecular Diagnostics (C-MD):	Masato Maekawa, Member
• Reference Systems of Enzymes (C-RSE):	Shigeru Ueda, Member
• Traceability on Laboratory Medicine (C-TLM):	Shigemi Hosogaya, corresp. Member
• Standardization of Thyroid Function Tests (C-STFT):	Akira Hishinuma, corresp. Member

### SD Working Groups

• Clinical Quantitative Mass Spectrometry Proteomics (WG-cMSP):	Yukio Ando, Member
• C-NPU, Working group on the Silver Book revision:	Kang Dongchon, Member
• Standardization of Albumin Assay in Urine (WG-SAU):	Yoshihisa Itho, Member & corresp. Member
• Standardization of Hemoglobin A2 (WG-HbA2):	Tadao Hoshino, corresp. Member
• Standardization of Carbohydrate Deficient Transferrin (WG-CDT):	Fumio Nomura, corresp. Member
• Standardization of Troponin I (WG-TNI):	Junichi Ishii, corresp. Member

### Education Management Division (EMD) Committees

• Clinical Molecular Biology Curriculum (C-CMBC):	Kenji Izuhara, Member Tadao Funato, corresp. Member
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### Communications and Publications Division (CPD) Committees

• Internet and e-Learning (C-leL)	Hideo Sakamoto, Member
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### Task Forces/Special Projects

• Task Force on Implementation of HbA1c Standardization (Integrated Project) (TF-HbA1c)	Izumi Takei, Member
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### International Journal Editor

Editorial Board for Annals of Clinical Biochemistry:	Kiyoshi Ichihara
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Editorial Board of CCLM: Kiyoshi Ichihara

Editorial Board of Clini Chim Acta:	Nobumasa Okumura, Masato Maekawa, Takashi Miida, Minoru Tozuka, Katsuyuki Nakajim
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## ADDITIONAL INFORMATION

About 1,400 members including MD and PHD belong to JSCC and 9 blocks were divided as the each centre of JSCC. The annual meeting is held once a year and more than 300 papers are discussed in the meeting and the regional meetings were held once a year in each region and interesting symposiums and special lectures are planned by an annual president of the meeting.

## KOREA

### KOREAN SOCIETY OF CLINICAL CHEMISTRY (KSCC)



NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Annual Meeting of KSCC (I)	2013. 5. 3.	Plenary Lecture; Standardization & Harmonization of Clinical Laboratory Results Symposium 1; Accreditation Requirements for Laboratory Management of Clinical Chemistry Symposium 2; Principles and Practices of Laboratory Tests for Clinical Chemistry I Symposium 3; Principles and Practices of Laboratory Tests for Clinical Chemistry II
Quality Assurance Workshop	2013. 6. 26.	Quality Assurance Workshop for Neonatal Screening Tests
Annual Meeting of KSCC (II)	2013. 11. 22.	Plenary Lecture; Clinical Application of Mass Spectrometry Symposium 1; Overview of Quality Control Procedures and Proficiency Testing Symposium 2; Traceability of In Vitro Diagnostic Tests for Clinical Chemistry Symposium 3; Understanding and Applying of Tests for Tumor Markers Symposium 4; Basic Principles of Urinalysis
EDUCATION		
Principles and Practices of Laboratory Tests for Clinical Chemistry Protein, Enzyme, Lipid, Liver function Tumor markers Urinalysis		
REGIONAL RELATIONS		
In addition to the annual meetings of KSCC, several times of regional meeting were held. To facilitate the regional communications and to fasten the regional relationship, irregular meetings on clinical chemistry were held all over Korea.		
INTERNATIONAL RELATIONS		
1> APFCB: 13th Asia-Pacific Federation for Clinical biochemistry and Laboratory Medicine congress (Oct 27-30, 2013) in Bali, Indonesia KSCC Symposium: Molecular Diagnostics Speaker: Woochang Lee, Yong Wha Lee, Jong-Won Kim, Chang-Ho Jeon 2> The International Conference on the Standardization in Clinical Chemistry 2013 (Oct 10th, 2013) in Seoul, Korea Speaker: Patric A. Clapshaw, Junghan Song, Anja Kessler, Robert Ian Wielgosz, Hae Kyoung Park		
ADDITIONAL INFORMATION		
IFCC Network Laboratory for HbA1c in Korea (2012-present)		

## LITHUANIA

### LITHUANIAN SOCIETY OF LABORATORY MEDICINE



REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
"Importance of quality management in laboratory medicine: relevant pre-analytical and analytical issues"	18-04-2013	Assurance and standardization of pre-analytical quality Third party internal quality controls. Pre-analytical and post-analytical External Quality Assessment (EQA)
Laboratory diagnostics: from clinical chemistry to molecular diagnostics	10-05-2013	Directive 2010/32/EC New trends in molecular diagnostics Quality assurance
Actual questions of immunohematology	21-11-2013	Trends in modern immunohematology

## EDUCATION

Training course "Management System of Medical Laboratory. Medical laboratories – Particular requirements for quality and competence (ISO EN 15189:2007)".

## REGIONAL RELATIONS

Lithuanian Society of Laboratory Medicine (LLMD) is member of Baltic Association of Laboratory Medicine (BALM). Other 2 members of BALM are: Latvian Society of Laboratory Specialists and Estonian Society of Laboratory Medicine. The main task of the Association – organization of Baltic Congresses of Laboratory Medicine held every second year in one of the Baltic Countries.

## INTERNATIONAL RELATIONS

LLMD is member of IFCC and EFLM.

## ADDITIONAL INFORMATION

New web page of LLMD: [www.llmd.lt](http://www.llmd.lt)

## MEXICO



### COLEGIO MEXICANO DE CIENCIAS DE LABORATORIO CLÍNICO, A.C.

## NATIONAL MEETINGS

Name of the meeting	Date	Topic
XXII Annual Meeting Of The Clinical Chemists Of The Social Security Institute For The Workers Of The Government.	November 25-29, 2013	Quality indicators in pre-analytical phase Procedures for blood fragmentation Qualification of equipments Blood citology New generation of autoantibodies for rheumatoid arthritis
VI Simposium Of Blood Bank Of The State Of Veracruz	November 29-30, 2013	New procedures and techniques for blood cells separation. Introduction to quality management systems in blood bank

## EDUCATION

Courses on:  
Hematology and citology  
Technical requirements for a blood bank accreditation process.  
How to write a great research paper and get it accepted by a good journal  
Basic bacteriology

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
XXII Regional Congress of Clinical Biochemistry	October 26-30, 2013 Lima, Peru	Accreditation of clinical laboratory. The mexican experience

## REGIONAL RELATIONS

Latin american confederation of clinical biochemistry, and its 19 affiliated societies.

## INTERNATIONAL RELATIONS

International federation of clinical chemistry and laboratory medicine:  
Awards committee member,  
Corresponding member c-tlm  
Corresponding member tf-yi  
American association of clinical chemistry. Latin american working group. Emerging countries programa.

## ADDITIONAL INFORMATION

Mutual Agreement of understanding with the mexican accreditation entity to improve laboratory accreditation awarness.  
Blood Bank Wg, and national panel of technical experts in clinical laboratory of the mexican accreditation entity.  
Iso 15189 Proyect Wg, Mexican Institute of Standarization And Certification-  
Clinical Biochemistry Students Sections and Membership State Chapters  
Universities –Faculty of Chemistries Advisory Activities for Postgraduate Studies.



**NEPAL ASSOCIATION FOR MEDICAL LABORATORY SCIENCE (NAMLS)**

**NATIONAL MEETINGS**

Name of the meeting	Date	Topic
RIDL talk	09 December 2013	Reference interval and Decision Limits
Annual General Meeting(AGM) 2012	08 December 2012	AGM, Scientific paper presentation, Business session
Visiting Lecture Program: IFCC-NAMLS-APFCB Program	22-24 November 2011	“International Workshop on Clinical Laboratory Quality Management” as IFCC Visiting Lecture Program: IFCC-NAMLS-APFCB

**EDUCATION**

NAMLS organized one day talk on Reference Interval and Decision Limit (RIDL) at Grandi City Hospital (city center of Gandhi International Hospital), Jyoti Bhawan, Jamal, Kathmandu, Nepal with the support of Chair of IFCC committee on Reference Interval and Decision Limits(C-RIDL) Professor Kiyoshi Ichihara, Yamaguchi University Graduate School of Medicine, Manami-Kogushi1-1-1, Ube, Japan. Professor Ichihara delivered a descriptive talk about how to conduct the reference study for the Nepalese population

Every Year NAMSL organized its annual meeting in which most of the NAMLS members are participated. This year the annual general meeting of NAMLS was held on December 8, 2012 at Norling Resort, G odawari, Kathmandu where around 200 participant registered for the meeting throughout countries. There were seven IVD companies and distributors participated for clinical laboratory expo. The plenary session was chaired by Prof Bharat Jha, Ex-Asst dean, IOM and Head of Department of Biochemistry, TU Teaching Hospital. Mr Binod Kumar Yadav, President of NAMLS presented on “ISO 15189: 2007 AWARENESS and NABL, India laboratory accreditation system which lighted the points on workforces which differs in these and emphasized that laboratory accreditation is one of the very important factor for the better laboratory services and shared his international exposure to audience. Mr. Prasant Regmi presented on “ESTIMATING GFR: WHICH FORMULA IS BETTER?”, where he discuss some of the important facts about GFR in the prediction of future kidney disease. Mr Uddhab Timilsina highlighted on “Single Nucleotide Polymorphism (rs1468384) In The Human Niemann -Pick C1-Like 1 Gene in Nepalese population?” There were altogether 7 scientific paper scheduled to be presented from different parts of country. Time allocated for each paper was 6 minutes for presentation and 2 minute for discussion. The plenary session ended with lunch break.

NAMLS conducted “International Workshop on Clinical Laboratory Quality Management” as IFCC Visiting Lecture Program: IFCC-NAMLS-APFCB with the objective to make participants aware of quality management in medical laboratories at Hotel Park Village, Bansbari, Kathmandu, Nepal, 22 – 24 November 2011 in which total participants were approximately 200 person ( from clinical Laboratory and Hospital of Nepal).

**INTERNATIONAL RELATIONS**

NALS is trying its best to maintain its good relation with international societies (IFCC and APFCB, AACC). NAMLS representative (Binod Yadav, Rojeet shrestha, Bibek poudel, Prajawal Gyawali, Manoj Sigdel, K.P singh) has participated in the past IFCC, APFCB and APFCB conferences and presented their paper by representing NAMLS.

**ADDITIONAL INFORMATION**

- NAMLS raised the voices against the admission notice by Kathmandu University, Nepal for the Master program for which only B.SC human Biology were made eligible .A peace dialogue and discussion were arranged between NAMLS and KU authority and postponed that admission notice and KU agreed that Bachelor in Medical laboratory science will be included further for the admission.
- Ministry of Health, Govt of Nepal has special wing that is National Public Health Laboratory (NPHL) who take care for the Laboratory profession and responsible for the quality services and Laboratory policy in Nepal. First time in this history of NAMLS, NPHL appointed NAMLS as one of the member in the Laboratory policy management committee in which NAMLS participated actively and made some very good decision for the betterment of the medical laboratory profession and professional like their promotion with the academic degree and work experience, appropriate designation/post with the relevant degree like consultant Biochemist/microbiologist/cytotechnologist/hematologist which were in not in the previous policy. NAMLS also raised the voice to start the regional laboratory services in the each development region of Nepal
- NAMLS promoted its member to participate actively in the quality control training program of NPHL which is running in every 3 months for the laboratory professional in Nepal. This is the only external quality control program in Nepal through the Ministry of Health, Nepal Govt.
- NAMLS arranged a talk with NPHL authority for the Quality control status in Medical Laboratory and initiated to conduct baseline survey throughout the Nepal . Finally, NPHL convinced for the same and made an expert team which also included NAMLS as one of the member . This team actively involved in this survey through the Nepal and final reports with concrete findings were submitted to NPHL/WHO for the implementation in the laboratory policy in Nepal.
- Nepal Health professional Council (NHPC) is the government body which is responsible to make more effective the health services in Nepal, to mobilize the services of health professionals except the qualified doctors and nurses to be registered with the Medical Council in a managed and scientific manner and make provisions on the registration of their names according to their qualifications. NAMLS is actively associated with the Nepal Health professional council (NHPC).
- NAMLS conducted “International Workshop on Clinical Laboratory Quality Management” as IFCC Visiting Lecture Program: IFCC-NAMLS-APFCB with the objective to make participants aware of quality management in medical laboratories at Hotel Park Village, Bansbari, Kathmandu, Nepal, 22 – 24 November 2011 in which total participants were approximately 200 person ( from clinical Laboratory and Hospital of Nepal).
- Some non-medical laboratory professional were trying to get the registration from NHPC to do work in Medical Laboratory field .NAMLS strongly opposed this and called a mass meeting and raised the voices against this issue and able to stop the registration of non medical Laboratory professional in this council.
- NAMLS insisted to make a Laboratory-Desk (Focal Point) in the ministry of Health, Govt of Nepal to monitor the laboratory services and implement new technologies, rule and regulation immediately through the Nation and finally got success in this regards. These days NAMLS actively participating in the meeting organized by the ministry of Health related to Medical Laboratory field.
- NAMLS arranged series of meeting with the NPHL directors and ministry of Health with the aim to advertise the of Medical Laboratory officer (officer level-7) and consultant position (Officer level -9 for Biochemistry, Microbiology, Hematology, Virology)) for the ministry of Health through Public Service commission and finally got success here alos. The 9th level vacancy (open) is the first time in the history of ministry of Health, Nepal.
- NAMLS organized one day talk on Reference Interval and Decision Limit (RIDL) at Grandi City Hospital (city center of Gandhi International Hospital), Jyoti Bhawan, Jamal, Kathmandu, Nepal with the support of Chair of IFCC committee on Reference Interval and Decision Limits(C-RIDL) Professor Kiyoshi Ichihara, Yamaguchi University Graduate School of Medicine, Manami-Kogushi1-1-1, Ube, Japan. Professor Ichihara delivered a descriptive talk about how to conduct the reference study for the Nepalese population.
- Annual General Meeting 2012: Every Year NAMSL organized its annual meeting in which most of the NAMLS members are participated. This year the annual general meeting of NAMLS was held on December 8, 2012 at Norling Resort, G odawari, Kathmandu where around 200 participant registered for the meeting throughout countries. There were seven IVD companies and distributors participated for clinical laboratory expo. The conference was divided into different sessions, namely the inaugural, Plenary, scientific, business and election sessions.

## NETHERLANDS

NEDERLANDSE VERENIGING VOOR KLINISCHE CHEMIE EN LABORATORIUMGENEESKUNDE (NVKC)



### NATIONAL MEETINGS

Name of the meeting	Date	Topic
Annual Conference	18-19 April	RNA, DNA, Vit B12, Health economics

### EDUCATION

Continuous Education  
28 May Endocrinology and Sport  
19 September Consultancy  
14 November Tumourmarkers  
29 November ISO 15189  
13 December Molecular Diagnostics

### INTERNATIONAL RELATIONS

EFLM, EC4, IFCC

## PAKISTAN

PAKISTAN SOCIETY OF CHEMICAL PATHOLOGISTS (PSCP)



### NATIONAL MEETINGS

Name of the meeting	Date	Topic
6th National conference of PSCP	20-22 December 2013	Young Pathologists – Our Future

Details of Meeting:

6th National conference of PSCP, which is now part of the Joint Conference of Societies of Pathologists, which was held in Lahore from 20th to 22nd December 2013. The theme of the conference was "Young Pathologists – Our Future." The conference excelled in presenting exciting developments in the field of pathology and laboratory medicine. Pathologists, trainees and laboratory personnel from all over the country and abroad attended the conference.

The first day began with inauguration ceremony on 20th December followed by the "Razi lecture", given by Dr. Mohammad Akhtar from King Faisal Specialist Hospital Riyadh KSA on 'Breast Cancer'. It was followed by four scientific sessions in which different researches and studies were presented. A plenary session was also organized in which senior Chemical pathologists delivered talks on various aspects of "Laboratory Management".

Second day started with meet the experts' session, a great learning opportunity for budding pathologists for learning from experts in their respective fields. It was followed by scientific sessions. A general body meeting was also held during the day. Several selected abstracts were also displayed as posters which portrayed research advances in the field of chemical pathology.

On the third day of the conference two scientific sessions were held. The conference closing ceremony was held in afternoon and best oral and poster presentations were announced. Dr. Sehar Iqbal won the best oral award, while the best poster was awarded to Dr. Samia Fatima.

The conference was successful in bringing together delegates from the different disciplines of pathology and laboratory medicine and allowed opportunity for a healthy debate

### EDUCATION

#### First Edition of Distance Learning Programme (DLP) in Chemical Pathology

First Edition of Distance Learning Programme (DLP) in chemical pathology was conducted under the auspices of PSCP in collaboration with all the senior Chemical Pathologists of the country.

Ninety five participants were registered in DLP which included trainees of chemical pathology FCPS Part II, students of masters of philosophy Chemical Pathology, rotational Trainees in Chemical Pathology, medical laboratory technologist and junior consultant chemical pathologists.

All these participants were sent 20 lessons on weekly basis from March 2013 to Aug 2013. A competition was simultaneously held for selection of the best trainee participant called Chemical Pathology Laureate and other high performers. Major Qurat-ul-Ain topped the First Distance Learning Programme and won the title of "Chemical Pathology Laureate".

Electronic methods were successfully used during the course e.g. e-mails, Facebook to provide inter-participant discussion forum and Skype for live discussion with the facilitators.

A program for participants of DLP from all over the country was held at PNS Shifa Karachi on 24 Aug 2013. The meeting provided a useful platform for all the trainees and residents of Chemical Pathology to interact with each other. During the meeting various key topics related to the specialty of Chemical Pathology were discussed and valuable suggestions and feedback from the participants were documented



## EDUCATION

### Workshops conducted in 2013

Following workshops were conducted under the umbrella of PSCP in the year 2013:

#### Workshop on 'Interpretation of ABG Reports'

Workshop on 'Interpretation of ABG Reports' took place at Bahria University Medical and College Karachi in April 2013.



#### Workshop on "Laboratory automation"

Workshop on "Laboratory automation" was conducted at Quaid-e-Azam Medical College, Bahawalpur in May 2013.



#### Pathology week

"National pathology week" organized by College of Pathologists, Pakistan, was celebrated from 13th to 18th May 2013 nationwide. The theme was "Standardization of laboratories". All major departments organized events during the week. Banners and flex signs were displayed in pathology departments. There was overwhelming response from participants and the week turned out to be a success

(A glimpse of Pathology week held at Quaid-e-Azam Medical College, Bahawalpur)



## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Rawalpindi	Jan 2013	Academic contribution
Lahore	April 2013	Academic contribution
Karachi	July 2013	Academic contribution
Peshawar	Nov 2013	Academic contribution

## REGIONAL RELATIONS

### Seminar organized by Randox Laboratories Ltd

A seminar was organized by Randox Laboratories Ltd. in association with UK Trade and Investment Pakistan in May 2013. Dr. Adnan Zuberi, a Consultant Chemical Pathologist at Ziauddin University Hospital, also was one of the speaker's during the seminars who discussed the cost saving benefits of early errors detection and correct patient diagnosis.



## INTERNATIONAL RELATIONS

### APFCB meeting

The 13th APFCB Congress was held in Bali, Indonesia from 27th till 30th October 2013. The local Organizing Committee had produced an excellent scientific program with many renowned speakers from all over the globe. Dr. Imran Siddiqui represented PSCP at the meeting.



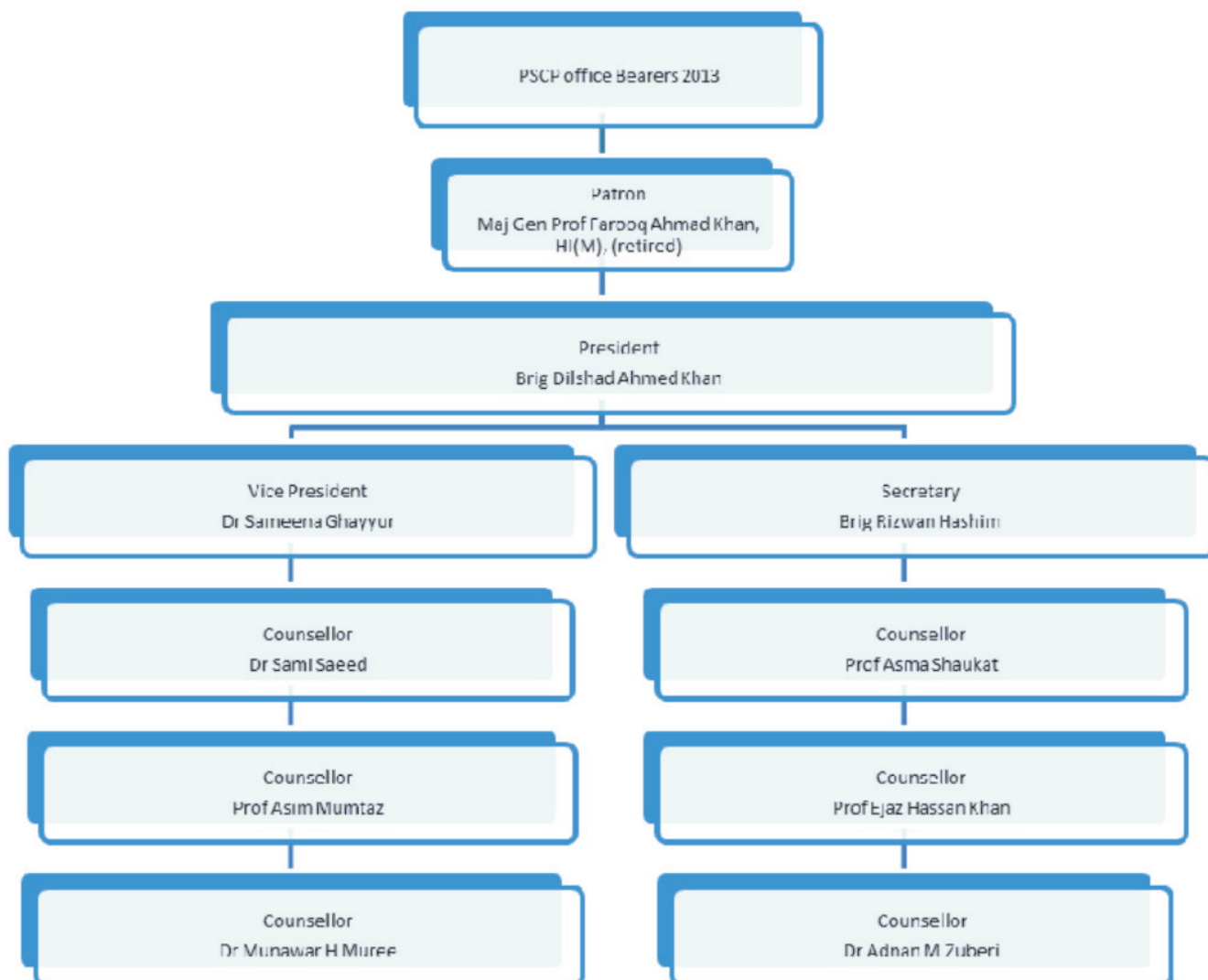
## ADDITIONAL INFORMATION

### Inductions of new members of PSCP

The following new fellows joined PSCP as consultant chemical pathologists:

- Dr. Lubna Sarfraz (QAMC),
- Dr. Saleha Zafar (QAMC),
- Dr. Usman Munir (AFIP Rawalpindi),
- Dr. Ghazanfar Abbas (Zia-Ud-Din University, Karachi),
- Dr. Maliha Akhtar Zubairy (Zia-Ud-Din University, Karachi),
- Dr. Noreen Sherazi (Aga Khan University, Karachi)
- Dr. Muhammad Anwar (AFIP Rawalpindi)

**Office bearers of PSCP 2013-2014;**The Patron: Prof Farooq Ahmad Khan, HI(M), (retired);President:Prof Dilshad Ahmed Khan;Vice President: Prof Sameena Ghayyur;Secretary: Prof Rizwan Hashim;Counsellor: Prof Sami Saeed;Counsellor: Prof Asim Mumtaz;Counsellor: Prof Munawar H Muree;;Counsellor: Prof Asma Shaukat, counselor: Prof Ejaz Hassan Khan; Counsellor Prof Adnan M Zuberi.



## PHILIPPINE



### THE PHILIPPINE ASSOCIATION OF MEDICAL TECHNOLOGISTS - PAMET

NATIONAL MEETINGS		
Name of the meeting	Date	Topics
18th National Mid Year Convention	May 23-26, 2013 Garden Orchid Convention Center, Zamboanga City	"PAMET in the Countryside @18: Unity in Excellence, Professionalism and Commitment"
7th North Luzon Regional Conference	July 18-20, 2013 University of La Salette, Santiago City, Isabela	'Unveiling the V.O.I.C.E (Visibility, Oneness, Integrity, Commitment, Excellence) towards greater HEIGHTS
10th South Luzon Regional Conference	September 27-28, 2013 Boso-Boso Highlands Resort and Convention Center, Antipolo City	"Mapping the Future...Medical Technology without Borders"
4th Visayas Regional Conference	August 22-23, 2013 Bethel Guest House Dumaguete City	"Strengthening Regional Competence, Embracing Global Challenges"
7th Mindanao Regional Conference	July 12-23, 2013 Philippine Gateway Surigao City	
49th Annual Convention	Philippine International Convention Center (PICC) December 3-5, 2013	Soaring Higher through VOICE
EDUCATION		
<p>The following are activities implemented by the Committee on Continuing Professional Development (CPD) and Committee on Education for the year 2013:</p> <p>At the onset of our term, PAMET conducted a lecture-workshop for the officers last March 14, 2013 at Sysmex Philippines Conference hall. We hired Dr Nomar Alviar to help us seminar modules for Clinical Chemistry, Microbiology and Haematology.</p> <ol style="list-style-type: none"> <li>1. April 18, 2013 –Seminar on Molecular Biology and Diagnosis of Cancer delivered by Dr Dennis Sacdalan and Dr Jericho Thaddeus de Luna held at the Philippine Women's University.</li> <li>2. July 4, 2013-the seminar delved into Acute Kidney Injury (AKI) by Dr Carmelle Baclig, while the husband shared his expertise about the biomarkers for AKI. Ms Teresa Rodriguez presented results of the study on Cystatin. The activity was held at the Mandel hall auditorium of Trinity University of Asia.</li> <li>3. September 19, 2013- Dr Paul Salandanan revisited and gave updates on Viral Hepatitis while Dr David Klinzing discussed about the application of molecular techniques in the diagnosis of viral hepatitis.</li> </ol> <p>For the laboratory managers and Chief Medical Technologists we also had several activities;</p> <ol style="list-style-type: none"> <li>1. April 24, 2013 – CAIXA MAKATI RESTO- we addressed issues about the new guidelines on POCT and issues on Phlebotomy</li> <li>2. July 5, 2013- Hard Rock Cafe- Ms Judith Claridades discussed about "Love in the Laboratory" while Ms Marian Tangingco tackled issues on Globalization in 2015.</li> <li>3. September 28, 2013- Microtel Hotel – Dr Razel Kawano lectured about 'Best Practices in Managing laboratory Inventory'</li> </ol> <p>For the undergraduates or students, together with Safeguard, PAMET awarded 15 new scholars.</p>		
REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
AACLS (ASEAN Association for Clinical Laboratory Science) Convention	Nov 27-30, 2012	Hosted the conference
AAMLS (Asia Association of Medical Laboratory Scientists)	October 2-4, 2013	Attendance
APFCB (Asian and Pacific Federation of Clinical Biochemistry)	October 26-30, 2013	Attendance



## REGIONAL RELATIONS

Membership in Regional Organizations:

1. **AAMLS** (Asia Association of Medical Laboratory Scientists) – PAMET is one of the founding members.
2. **AACLS** (ASEAN Association of Clinical Laboratory Sciences) – PAMET is one of the charter members
3. **APFCB** (Asian and Pacific Federation of Clinical Biochemistry) – PAMET is regular member since 2007

## INTERNATIONAL RELATIONS

Membership in International Organizations:

1. **IFBLS** (International Federation of Biomedical Laboratory Sciences) – PAMET is a member since 1970
2. **IFCC** (International Federation of Clinical Chemistry and Laboratory Medicine) - PAMET is the 83rd full member of IFCC in 2009

## ADDITIONAL INFORMATION

PAMET will be celebrating its Golden Anniversary on December during the Annual Convention

## POLAND

### POLISH SOCIETY FOR LABORATORY DIAGNOSTICS (PTDL)



## NATIONAL MEETINGS

Name of the meeting	Date	Topics
Congress of the College of Laboratory Medicine in Poland, Cracow	17 – 19 January 2013	
Falenty Conference of College of Laboratory Medicine in Poland, Raszyn/Warsaw	11-13 June 2013	
Session of the PSLD during the Polish Diabetes Society Congress, Lodz	23-25 May 2013	Laboratory issues in diabetology
“New opportunities, new diagnostic horizons in Healthcare - Laboratory 2013” (Wroclaw, Szczecin & Opole Branch)	24-25 May 2013	Laboratory diagnostics in oncology, allrgology and neurology
Congress of Polish Society of Laboratory Diagnostics, Warsaw	16-19 September 2013	
Congress of Polish Pharmaceutical Society, Bialystok	19-23 September 2013	Session on the “Role of laboratory medicine in patient care” -organized by the Polish Society of Laboratory Diagnostics
Symposium on Point-of-Care Testing, Jachranka/Warsaw	18-19 November 2013	POCT – clinical aspects, regulations, technology

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Annual Meeting of Romanian Association of Medical Laboratories Brasov	June 4-8 2013	Lecture on “ 25(OH)D, biomarkers of endothelial dysfunction and subclinical organ damage in adults with hypertension “given by the vice- president of the Society prof. Grazyna Sypniewska
Annual meeting of the Slovak Society of Laboratory Medicinbe Martin. Slovakia	November 28-30 2013	Lecture on “Biomarkers-from routine to clinical practice” given by vice-president of the Society prof. Grazyna Sypniewska
Euromedlab Milan 2013	May 19-23rd 2013	One workshop session on “Rhabdomyolysis” was organized by a member of the Society and several posters were presented by members of Polish Society, including one selected for oral presentation and one for presentation during poster-walks.

## REGIONAL RELATIONS

1. Professor Maurizio Ferrari (IFCC) was invited as a speaker at the Congress of Polish Society of Biochemistry to participate in the session organized by vice-president of Polish Society of Laboratory Diagnostics prof. G.Sypniewska. The congress was held in Torun (Poland) September 2-4 th 2013

## INTERNATIONAL RELATIONS

1. Professor Howard Morris was invited as a Honorary Guest and speaker at the Congress of Polish Society of Laboratory Diagnostics (IFCC-VLP programme).

## ADDITIONAL INFORMATION

Vice-president of the Polish Society prof. Grazyna Sypniewska has been elected EFLM Member at Large during Euromedlab in Milan 2013. Prof.Grazyna Sypniewska has been awarded Per Hyltoft Peterssen award by Slovak Society of Laboratory Medicine in November 2013.

## RUSSIA



### RUSSIAN SCIENTIFICALLY-PRACTICAL SOCIETY OF SPECIALISTS IN LABORATORY MEDICINE (RSPSSLM)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
Conference	March 26-28, 2013, Moscow, Russia	Analytical reliability and diagnostic significance of laboratory medicine
XVI Forum "National days for Laboratory Medicine of Russia"	October 1-3, 2013, Moscow, Russia	Effective laboratory medicine: methods and means of the analysis, management and standards
Distant Conference	December 6, 2013, Moscow	From laboratory result – to the clinical decision: bases and practice of interpretation

#### EDUCATION

1. Training course «Cytology» in frame of the conference "Analytical reliability and diagnostic significance of laboratory medicine", March 26-28, 2013, Moscow, Russia training course «Cytology».
2. Education seminar: "Accreditation of activity of clinical and diagnostic laboratories according to the international requirements of ISO", September 30th, St.-Petersburg.
3. Scientific and educational forum "Innovative laboratory medicine: new cliniko-diagnostic decisions and modern analytical technologies", city Saratov (Russia), September 4-5 2013 (under the auspices of RAMLD and RSPSSLM).
4. Education seminar "The hereditary and acquired pathology of a fibrillation – thrombosis and bleedings: diagnostics, prevention, treatment, economy" Saratov, September 19-20, 2013.
5. Distant education with IFCC( Education and Management Division, DQCML Project), EFLM participation in frame of distant conference "From laboratory result – to the clinical decision: bases and practice of interpretation", Moscow, December 6, 2013 (400 from different regions of Russian Federation and 80 participants from Republic of Kazakhstan).
6. Educational Workshop: Mediums for microbiology. Selective allocation and cultivation of bacteria in medical and food microbiological institutions, city Ivanovo (Russia), May 21, 2013
7. Educational Workshop for lab specialists and clinicians "Hematologic analyzers. Interpretation of the analysis of blood", city Ivanovo (Russia), December 17, 2013

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Education seminar "Accreditation of activity of clinical and diagnostic laboratories according to the international requirements of ISO"	September 30, 2013, city St.-Petersburg (Russia)	Organization, education and scientific program, knowledge control (website)
The 22nd International exhibition "Medicine +" and XIV the international medical forum "Technologies of prevention – a modern way of development of health care"	City Nizhnyj Novgorod (Russia), Russia, May 28-30, 2013	Organization, presentations
Regional scientific and practical conference "Innovative technologies of diagnostics of system of a hemostasis. New opportunities of their clinical application"	City Nizhnyj Novgorod (Russia), Russia, October 25, 2013	Organization, presentations
Scientific and practical conference "Modern laboratory medicine, innovative technologies and clinical importance of new tests"	City Nizhnyj Novgorod (Russia), Russia, November 29, 2013	Organization, presentations
Quality of preanalytical stage of laboratory investigations	City Murmansk (Russia), January 19, 2013	Organization, presentations
Quality management in Laboratory Medicine	City Petrozavodsk (Russia), October 14, 2013	Organization, presentations
Preanalytical stage in laboratory diagnostics for receiving reliable result of research	City Belgorod (Russia), January 23, 2013	Organization, presentations
Cholera like especially dangerous infections: epidemiology, diagnostics and safety	City Belgorod (Russia), May 24, 2013	Organization, presentations
Diagnostics of Nosocomial infection	City Belgorod (Russia), November 22, 2013	Organization, presentations
Modern technologies in laboratory diagnostics within implementation of standards of medical care	City Tyumen (Russia), April 19, 2013	Organization, presentations
Quality Management for Laboratory service	City St.Petersburg (Russia), June 6, 2013	Organization, presentations

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Problems in Diagnostics of HIV in Russia, statistics and personnel safety	City Ivanovo (Russia), January 15, 2013	
Quality management in hematology	City Ivanovo (Russia), March 19, 2013	Organization, presentations
Diagnosis of Tuberculosis according WHO demands in Ivanovo region	City Ivanovo (Russia), April 16, 2013	Organization, presentations
Results of work of parasitological service. Statistics on the Ivanovo region and Russian Federation, comparison with reference laboratory (Russia)	City Ivanovo (Russia), September 17, 2013	Organization, presentations
Laboratory diagnostics on Diabetes Mellitus	City Ivanovo (Russia), November 19, 2013	Organization, presentations

## REGIONAL RELATIONS

- XIV forum "Week of female health", Interregional scientific and practical conference "Modern Methods of Diagnostics and Treatment of Obstetric and Gynecologic Pathology", City Nizhnyj Novgorod, Russia, November 14-15, 2013.
- Interregional interaction of North-Caucasian, South, Central and North-Weast Regions of Russian Federation in frame of V scientific and practical interdisciplinary conference "Diagnostics in microbiology", City Zhelesnovodsk, Russia. December 5-6, 2013, Russia.
- Interregional interdisciplinary medical forum "Actual issues of Laboratory Medicine for medical practice", city Saratov (Russia), February 14 - 15, 2013.
- Conference "Analytical Quality of Laboratory Investigations", organized by RSPSSLM leaders from St.Petersburg in city Orenburg (Russias) March 19, 2013

## INTERNATIONAL RELATIONS

- EFLM presentation Dr. Wim Huisman "Benefits of application of ISO15189 in laboratory practice in Europe"
  - in frame of National Meeting - XVI Forum "National days for Laboratory Medicine of Russia", October 1-3, 2013, Moscow, Russia
  - and Regional meeting – education seminar: "Accreditation of activity of clinical and diagnostic laboratories according to the international requirements of ISO", September 30th, St.-Petersburg.
  - Harri Laitinen (Finland), presentation «New perspective in QA» in frame of Education seminar: "Accreditation of activity of clinical and diagnostic laboratories according to the international requirements of ISO", September 30th, St.-Petersburg.
- Oswald Sonntag, education seminar «Quality management in Laboratory Medicine» in frame of National Meeting - XVI Forum "National days for Laboratory Medicine of Russia", October 1-3, 2013, Moscow, Russia and St.-Petersburg, June 5th, 2013.
- Meeting with Russian leaders in Laboratory Medicine (RSPSSLM and RAMLD), presentation of EFLM President Dr. I.Watson INTERPRETATION OF LABORATORY RESULTS BY EXPERTS OF LABORATORY MEDICINE in frame of distant conference "From laboratory result – to the clinical decision: bases and practice of interpretation", Moscow, December 6, 2013 and conference "Laboratory monitoring in infectology", St.-Petersburg, December 3, 2013
- Training course for Laboratory specialists of Kazakhstan "Quality Management and Statistics in Laboratory Medicine", city Astana, Kazakhstan, October 15-18, 2013 (Republic Diagnostic Centre), speakers Dr. Anders Kallner (Sweden, IFCC), Lina Khorovskaya (Russia, RSPSSLM)

## SERBIA



### SOCIETY OF MEDICAL BIOCHEMISTS OF SERBIA (DMBS)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
16th Scientific Ivan Berkes Conference	December 4, 2013	Conference covered the following topics: The association of oxidative stress, inflammation and dyslipidemia in the pathogenesis of age-related macular degeneration Factor analysis and association of lipid, inflammatory, cardiac and renal biomarkers with C-reactive protein in cardiovascular risk categorization Biomarkers of apoptosis and cell signaling in colon cancer pathogenesis Correlation of biomarkers of lipid status, oxidative stress and lifestyle changes in a student population

#### EDUCATION

Society of Medical Biochemists of Serbia in 2013 organized four CME educational seminars for the members on the following topics:

- Electrophoresis and immunology techniques in modern laboratory diagnostics
- Urine analysis – practical and Clinical Significance
- Laboratory diagnostics in urgent laboratory
- QM development and application in accredited laboratory

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
9th EFLM Symposium for Balkan region	October 3-5, 2013	Society of Medical Biochemists of Serbia together with EFLM has been Symposium organiser with topics: Integrative Algorithms in Patient Focused Laboratory Medicine. The Symposium included the following lectures: Introduction to molecular –genetic diagnostics (I. Novaković), Molecular genetic markers as a base for personalized medicine (S. Pavlović), Incorporation of molecular diagnostics in clinical laboratories (M. Pazzagli), Quality assurance in molecular biomedicine and life science (M. Neumair), Molecular basis of thrombophilia and laboratory investigation (V. Đorđević, S. Margetić), Integrative protocols for multiple endocrine neoplasia (S. Damjanović), Pharmacogenomics (G. Siest), pharmacogenetics in treatments of different diseases (E. Topić, S. Stanković), Integrative algorithms in diagnosis of different inherited diseases (K. Fumić, A. Beletić, M. Stojović)
21st Meeting of Balkan Clinical Laboratory Federation	September 21-24, Budva, Montenegro	Society members participated with a few lectures

## REGIONAL RELATIONS

Cooperation with all Societies from Balkan region, members of Balkan Clinical Laboratory Federation (BCLF)

## INTERNATIONAL RELATIONS

Cooperation with other Societies members of IFCC and EFLM  
Participation in EFLM activities  
Participations in Meetings organised by IFCC and EFLM

## ADDITIONAL INFORMATION

The Society of Medical Biochemists of Serbia published JOURNAL OF MEDICAL BIOCHEMISTRY, the Official Journal of the Society, in which many scientists from region published own papers ([www.dmbj.org.rs/jmb](http://www.dmbj.org.rs/jmb); [www.versita.com/science/medicine/jmb](http://www.versita.com/science/medicine/jmb))

## SLOVAK REPUBLIC



## SLOVAK SOCIETY OF CLINICAL BIOCHEMISTRY

### SLOVAK SOCIETY OF CLINICAL BIOCHEMISTRY INFORMATION

Slovak Society of Clinical Biochemistry (hereinafter referred to as SSCB or SSKB) is one of the 97 organizational constituents of Slovak Medical Association (hereinafter referred to as SMA) which associates 17,000 members. SMA aim is promoting health care initiatives and support of the activities of member specialty societies. SMA is a legal entity providing membership service and public relations to its organizational units like SSCB. The objective of the SSCB is to promote professional standards and scientific and professional development of its members. Current SSCB membership at the beginning of the 2014 is 228 members. The Executive Board OF SSCB, composed of 8 individuals elected for the term of 4 years (currently 2011-2014), is acting by a qualified majority. Elections are set up to take place by mail in two rounds. The Executive Board acts on behalf of the professional society and usually meets four times a year. The EB SSCB comprises the President, Vice-President, Secretary, National Representative, Treasurer, 3 members in large and 3 Members of the Board of Supervisors.

EB SSCB cooperated with the greatest health insurance company General Health Insurance in preparation of The Rules of Laboratory Services Recognition. SSCB promotes an excellence of its members through the recognition of their results of long-term professional activities, publishing, and lecture activities by awarding the Prof Pechan Prize, which is sponsored by Roche. SSCB recognises people who have made achievements and committed themselves to serving SSCB by awarding them by honorary membership of the SSCB.

SSCB is a full member of the IFCC and EFLM as well.

### EDUCATION

Institutional postgraduate education in Clinical Chemistry and Laboratory Medicine in Slovak Republic in 2013

The Slovak Medical University in Bratislava (SMU) is an educational institution keeping the tradition of education of healthcare professionals in specialized studies and continuous life-long education in Slovakia.

Slovak Medical School was founded 70 years ago with the aim to develop, monitor, and make sure postgraduate study in all medical disciplines for physicians, pharmacists, scientists, and nurses

Curriculum of Clinical Biochemistry is harmonised with EC4 syllabus.

Curriculum of Laboratory medicine is based on Kenneth McClatchey textbook „Clinical Laboratory Medicine“ and harmonised with UEMS Blue book.

Laboratory medicine in Slovak republic as a polyvalent discipline with fully polyvalent accredited curricula, matching UEMS blue book is postgradually educated since 8 years ago.

Clinical Biochemistry as a monovalent discipline has acquired polyvalent features in recent 10 years in those basics of haematology, microbiology and transfusiology has been included in curricula of the post gradual education. Curricula of both disciplines overlap to 65 %. The differences are made mainly by extended haematology, transfusion, and microbiology in Laboratory medicine curricula.

## EDUCATION

Practice profession of a clinical chemists or specialists in laboratory medicine in medical laboratories in Slovak Republic is possible for physicians, pharmacists and scientists (university state exam and graduation in chemistry or biology is a prerequisite).

Accredited study programs

- Clinical Biochemistry for physicians
- Clinical Biochemistry for laboratory diagnosticians ( scientists )
- Laboratory Medicine for physicians
- Laboratory Medicine for laboratory diagnosticians ( scientists )

Duration of post gradual study is 5 years for

- Physicians
- Pharmacists
- Scientist (university state exam and graduation in chemistry or biology is a prerequisite)

Topics / disciplines in post gradual study process

- Clinical laboratory
- Molecular medicine
- Clinical chemistry
- Medical microscopy and urine analysis
- Cytogenetics
- HLA
- Haematology
- Coagulation
- Microbiology
- Immunopathology
- Transfusiology and blood bank

## REGIONAL MEETINGS

Name of the meeting	Date
LABKVALITA 13	October 6 - 8, 2013

The year 2013 was a very special year for the biennial congress Labkvalita. Over 200 people joined to celebrate the occasion of the 20th Anniversary. Jan Balla, the founder and long-term co-ordinator of the international conference Labkvalita, in his welcoming speech, has reminded two decades of the history of the conference. Since foundation in 1993, the initiative has been taken to organize the biennial congress for clinical laboratory scientists seeking quality in medical laboratories. Labkvalita became a meeting of experts especially from Slovakia but also from the other countries in the EU, who met regularly in order to exchange experience and learn each other how to do things better. Topics of the series of the LABKVALITA event were dedicated to the advancement of variety quality issues (QA, IQC, EQA, pre and post analytical aspects), quality indicators and measures, methods standardisation and harmonisation, accreditation, education in laboratory medicine, the reimbursement and financial management, predictive, preventive and personalised Medicine as well. Distinguished speakers from Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, Germany, Hungary, Israel, Italy, Norway, Russia, Scotland, Spain, Sweden, Switzerland, the UK, and the USA as well, participated.

Society's contribution for the meeting

Slovak Society of Clinical Chemistry (SSKB), continued with promotion of Predictive, Preventive and Personalised Medicine (PPPM) among laboratory professionals and invited EPMA experts and representatives of EFLM to Labkvalita 2013 (Oct. 6 – Oct. 8, 2013), biennial conference on laboratory diagnostics and quality.

Topics included:

- I. Implementation of DRG in the Healthcare System,
- II. Science, Economy, Politics, Ethics, and Quality in,
- III. Laboratory and Healthcare,
- IV. New Trends in Laboratory Diagnostics,
- V. When/where, the laboratory/practice/supplier fails,
- VI. Quality-related education, and VII. Problems, solutions, and visions in the quality of clinical laboratories.

Labkvalita became the challenge of motivation, our passion for work and service, the alignment of people and resources; developing relationships and understanding the forces that drive clinical laboratories. Over two hundred people attended, preferably from Slovakia and the Czech Republic. They had the opportunity to learn from more than 25 speakers through about more than 30 presentations. Conference participants valued the opportunity to learn from internationally recognised speakers. Contributions of distinguished top lecturers from the European Federation of Clinical Chemistry and Laboratory Medicine and The European Association for Predictive, Preventive, and Personalised Medicine enriched the program through enhancing the diversity of perspectives and content represented.

The entire program of the conference can be found in details at:

<http://epmanet.eu/index.php/about-epma/national-boards/slovak-republic>

## INTERNATIONAL RELATIONS

The medical laboratory Cumulus Ltd., located in Košice, is long term involved in the international Project "Empower your Lab". The Project promotes the quality, stability, and comparability of global in Vitro Diagnostic (IVD) testing. The Empower Project is designed for laboratories that apply homogeneous tests from the main globally operating IVD-manufactures only. The Project pillars are: a) master comparisons with 20 fresh frozen serum samples, b) continuous monitoring of daily patient percentiles, resp. medians, c) continuous monitoring of daily IQC results, d) "empowered" education about analytical quality in the medical laboratory. At the local level, the Project is successfully co-ordinated by Dr. K. Lepejová. The project is going to be mediated in the pilot phase until the end 2015 by Prof Linda Thienpont from the Laboratory for Analytical Chemistry, University of Ghent, and STT Consulting by Dr. D. Stöckl.

## INTERNATIONAL RELATIONS

Dr. Marko Kapalla, who is EPMA National representative in Slovakia, and the member of the Board of Directors of EPMA, informed SSCB members about important Memorandum of Understanding, signed on September 19, 2013 at the EPMA Summit 2013 in Brussels, between EPMA, as the leading organisation in PPPM, and EFLM as the leading organisation in Laboratory medicine in Europe [1]. He also emphasized importance of the Position paper of the EPMA and EFLM: a global vision of the consolidated promotion of an integrative medical approach to advance health care [2].

SSKB also appreciates Dr. Kapalla's invited contribution to the latest textbook of Internal Medicine (Kiňová and Hulín eds., Prolitera, Bratislava, 2013) with his chapter on PPPM where he highlights important role of laboratory medicine for PPPM, thus promoting both fields among young students of medicine and as well as among medical experts.

### References

[1] Costigliola, V., Watson, I.D. (2013), Memorandum of Understanding between EFLM and EPMA, [http://www.epmanet.eu/images/stories/pdfs/MoU\\_EFLM.pdf](http://www.epmanet.eu/images/stories/pdfs/MoU_EFLM.pdf)

[2] Golubnitschaja O, Watson ID, Topic E, Sandberg S, Ferrari M and Costigliola V (2013): Position paper of the EPMA and EFLM: a global vision of the consolidated promotion of an integrative medical approach to advance health care., EPMA Journal, 4:12

[3] Golubnitschaja, O., Kapalla, M. (2013). Clustered PPPM Centres as cornerstones of common-sense-based healthcare, *Laboratórna diagnostika*, 1, 2013, 19

[4] Kapalla, M. (2013). Prediktívna, preventívna a personalizovaná medicína, In: *Interná medicína*, Kiňová S., Hulín, I. (eds.) et al., Prolitera, Bratislava, 95-98

Dr. Katarína Baluchová serves as the Corresponding Member of the Molecular Diagnostics Committee (IFCC C-MD). She actively participated on the activities of the International Scientific Advisory Board of the EuroMedLab Congress as regards the proposals and selection of the presentations to be included in the final scientific programme of the IFCC Congress held in Milano in May 2013. She was also a co-chair of the session "Infectious disease".

Prof. Gustav Kováč, who serves as an observer for EC4 Registration Commission, participated on the Milano and Dubrovnik meetings of the European Communities Confederation of Clinical Chemistry and Laboratory Medicine Register Commission.

Prof. Oliver Racz from the Pavol Jozef Šafárik University in Košice, Slovakia, is the editor of the *Laboratórna diagnostika*, and he serves as a member of the Editorial Board of the *eJIFCC - The Journal of the International Federation of Clinical Chemistry and Laboratory Medicine*.

## ADDITIONAL INFORMATION

SSCB is an editor of journal *Laboratórna diagnostika* which keeps professionals with today's practices in clinical laboratory sciences. *Laboratórna diagnostika* presents original research papers, articles, reviews, abstracts and full papers of the Congress of Slovak Society of Clinical Biochemistry. Areas covered include clinical biochemistry in particular, molecular diagnostics, evaluation of modern diagnostic markers, new instruments and reagents, reference values, laboratory information systems, accreditation and quality in medical laboratories. *Laboratórna diagnostika* is dealing with postgraduate education issues, as well.

Between clinical biochemists, there were several authors of valuable contributions to laboratory medicine. Associated professor Pavel Blazicek, vice-president of the SSCB, achieved an outstanding scientific co-operation with Slovak Academy of Sciences on the topic "Advances in cardiovascular research". He became a recognised speaker and the most potential author with publication and lecturing activities in 2013.

## SLOVENIA



### SLOVENIAN ASSOCIATION FOR CLINICAL CHEMISTRY (SZKK)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
5th International Conference on Quality of Medical Laboratories	5th December 2013	Quality in medical laboratories
Symposium Slovenian Association for Clinical Chemistry	14th February 2013	Therapeutic drug monitoring
Symposium Slovenian Association for Clinical Chemistry	22nd March 2013	Laboratory diagnostics at demolished homeostasis of calcium and phosphate in chronic renal failure
Symposium Slovenian Association for Clinical Chemistry	14th -15th June 2013	1. Diabetes 2. Chronic renal failure 3. Corruption or normal business cooperation?
Symposium Slovenian Association for Clinical Chemistry	8th October 2013	Laboratory diagnostics and Oncology

#### EDUCATION

1. from April to May 2013; Continuous Education Courses for Medical Laboratory Technicians (5 different topics)
2. 19th September 2013; Workshop: Peripheral Blood: Differential Leukocyte count/ Peripheral differential White Blood Cell Morphology; For Specialist in Laboratory Medicine

#### REGIONAL MEETINGS

13th Postgraduate Continuous Course in Clinical Chemistry and Laboratory Medicine	19th-20th October 2013	in organization of EFCC, Croatian Society of Medical Biochemists and Slovenian Association for Clinical Chemistry
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#### INTERNATIONAL RELATIONS

Active member of IFCC, EFLM

## SOUTH AFRICA

### SOUTH AFRICAN ASSOCIATION OF CLINICAL BIOCHEMISTRY (SAACB)



NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Laboratory Medicine Congress	28 -31 July, 2013	Pathology

**EDUCATION**

Three education workshops were held, two of which were sponsored by IFCC.  
 Laboratory Management Workshop - IFCC Faculty (Prof. Hicks, Young, Pillay, Erasmus)  
 Molecular Diagnostic Workshop - IFCC Faculty (Prof. Liandou and Prof Matsha)  
 Advanced Statistical Workshop - Japan Overseas Foundation and SAACB (Prof. Ichihara and Dr. Hoffman)  
 Please send suggestions for future workshops to saacb1@gmail.com  
 Annual Pathology Congress-LMC 2013

REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
AFCC	28-31 July, 2013	Hosted the scientific program

**REGIONAL RELATIONS**

SAACB has continued to play a strong role in the Africa Federation of Clinical Chemistry. The federation was invited to take part in the Laboratory Medicine Congress which took place in Cape Town from 28-31 July, 2013.  
 Prof Erasmus, current SAACB president was elected as the next AFCC president elect

**INTERNATIONAL RELATIONS**

SAACB continued to have several members who serve on various IFCC Committees.  
 Prof Matsha was appointed as a corresponding member of the IFCC Committee on Molecular Diagnostics  
 IFCC World Lab Durban 2017  
 COC was formed 3 months ago. Its members are Prof R Erasmus, Chair, Prof T Pillay, Chair, Scientific Committee, Prof V Steenkamp, Prof N Crowther, Dr Annie Zemlin. They were chosen because of their track record in organizing previous congresses. Except for Prof Crowther COC members met with the members of the IFCC Conference Organizing Company in Milan on 20th May, 2013. Prof Erasmus also made a presentation to IFCC Conference Committee on progress being made regarding the IFCC Worldlab meeting in Durban in 2017.  
 Members of the IFCC Conference Organizing Company from Italy visited the Durban Convention Centre on 22nd October and inspected the venue and hotel sites as well met with SAACB COC

**ADDITIONAL INFORMATION**

SAACB continued to perform strongly in 2013. 3 newsletters were published and its members won several international grants. Collectively its members published more than 50 scientific papers. Its membership grew by another 10 %. Its financial status also improved by 20% in 2013

## SPAIN

### SOCIEDAD ESPAÑOLA DE BIOQUÍMICA CLÍNICA Y PATOLOGÍA MOLECULAR (SEQC)



NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Course, Barcelona	April 9th, 2013	Assisted reproduction techniques
Course, Madrid	April 12th, 2013	Clinical laboratory specialization
Course, Barcelona	April, 14-16th, 2013	How to improve your scientific presentations
XI Meeting of Scientific Committee, Barcelona	April 22-23th, 2013	Trends in biochemical study of neurologic diseases Tandem mass spectrometry: application to neonatal screening of fatty acid oxidation defects Quality in reproductive laboratory: looking for excellence Study of dislipidaemia and cardiovascular risk in clinical laboratory Patient Security in POCT tests Pregnancy and hormones
Course, Zaragoza	May 29-30th, 2013	How to improve your scientific presentations
Course, Barcelona	June 5-6th, 2013	Liquid chromatography
Course, Barcelona	June 19-20th, 2013	How to improve your professional working group
Course, Barcelona	November 14th, 2013	New perspectives in Cushig syndrome diagnosis and Suprarenal insuficiency

## NATIONAL MEETINGS

Name of the meeting	Date	Topic
On line	Octobre 2013-June 2014	Molecular genetics applied to the diagnosis of inherited diseases
XXXII National meeting, Bilbao	October 23-25th, 2013	VII Meeting of Laboratorio Clinico

## EDUCATION

- Annual Education Programme (900 participants): 9 Lessons and 9 Clinical cases

## SRI LANKA



## ASSOCIATION FOR CLINICAL BIOCHEMISTRY, SRI LANKA

### NATIONAL MEETINGS

Name of the meeting	Date	Topic
ACBSL Executive committee meeting	2nd February 2013	To discuss the agenda items
ACBSL Executive committee meeting	17th May 2013	To discuss the agenda items
ACBSL Executive committee meeting	7th October 2013	7th October 2013 To discuss and fix the date for the AGM

### EDUCATION

ACBSL has provided two resource persons to deliver lectures on two topics namely, Measurement Uncertainty and Traceability and Potential Errors in Laboratory Testing, for a workshop on "Quality Improvement of Laboratory Testing: Some Important Aspects" conducted by the Sri Lanka Association for the Advancement of Science (SLAAS) which has been held at the Faculty of Medicine, Colombo on 02nd November, 2013.

ACBSL has been entered in to an AGREEMENT FOR MUTUAL COLLABORATION with M/s. OMICS Group Inc., 2360 Corporate Circle, Suite 400, Henderson, NV 89074-7722, USA (journals, Medicinal Chemistry and Chemical Sciences Journal) with effect from the 12th August, 2013

### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
EUROMEDLAB which was held in Milan	19-23rd May 2013	Dr Dayanath, Secretary, ACBSL has participated, won Roche travel scholarship

### REGIONAL RELATIONS

ACBSL has entered into an AGREEMENT FOR MUTUAL COLLABORATION with M/s. OMICS Group Inc., 2360 Corporate Circle, Suite 400, Henderson, NV 89074-7722, USA (journals, Medicinal Chemistry and Chemical Sciences Journal) with effect from the 12th August, 2013.

A considerable number of ACBSL members have participated in Interpretative Comments Educational Programme conducted by APFCB and they will be continued their participation once this programme is re-launched for the year 2014.

### INTERNATIONAL RELATIONS

Seven ACBSL members participated in the 13th Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress in Bali, 27-30 October 2013. This was a very rare and valuable opportunity for our members especially for young members to exchange ideas about the practice of clinical chemistry in other regions and update their knowledge by listening to eminent speakers. In addition the exposure to this regional event will be helpful for our members for them to organize similar regional events in future.

### ADDITIONAL INFORMATION

At the executive committee meetings ACBSL has taken the following decisions to implement as future plans.

- ACBSL has offered the assistance to Cosmetics, Devices & Drugs Regulatory Authority, Ministry of Health, Sri Lanka to streamline the registration process of IV devices. Presently some of ACBSL members are involved in the process of registration by evaluating new laboratory devices for diagnostic purpose.
- To work in association with Sri Lanka Accreditation Board (SLAB) to promote ISO 15189 accreditation, especially in state sector hospital laboratories. Presently some of our ACBSL members are working as quality consultants and Assessors for the SLAB.
- To organize training programmes on subject related to accreditation for the private sector and state sector laboratory staff. Training programmes will be conducted for Phlebotomy staff on Pre Analytical Errors which is a neglected area in laboratory diagnosis.
- To closely work with the committee appointed by the Ministry of Health, Sri Lanka to implement the accreditation in state sector hospital laboratories.

Next Annual General Meeting of the ACBSL will be held in March 2014.



## SWEDEN

### THE SWEDISH SOCIETY FOR CLINICAL CHEMISTRY



NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Our national meeting is merged with the Nordic meeting in Gotenburg september 2014		
EDUCATION		
Resident course in Haematology		
REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
Nordic Congress in Clinical Chemistry	16-19 September 2014	Organiser of the congress

## SWITZERLAND

### SWISS SOCIETY FOR CLINICAL CHEMISTRY (SSCC)



NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Annual Assembly of the Swiss Society of Clinical Chemistry	16. – 18.05.2013	Personalized medicine and rare diseases, Pharmacogenetics and personalized medicine, Risk prediction by genetics, Emergence of new biomarkers, Nutrition and oligoelements, The impact of rare diseases
Diagnostik auf Molekularem Niveau	28.02 – 01.032013	Non-invasive diagnostics of chrosomal anomalies, Newborn-screening, HLA and celiac disease, Genetics of mental retardation, West nile virus, Micro RNAs in diagnostics and therapy, Alu and L1 insertions and de novo mutations.
REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
International Congress of Porphyrins and Porphyrins & International Meeting of Porphyria Patients	16. – 18.05.2013	Organisation of the meeting

## TURKEY

### TURKISH BIOCHEMICAL SOCIETY (TBS)



NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Monthly conference	January 22nd, 2013, Izmir	<ul style="list-style-type: none"> <li>In sickness and in health, intracellular protein quality control and degradation pathways</li> </ul>
Patient and Laboratory Safety Symposium	February 16th, 2013, Istanbul	<ul style="list-style-type: none"> <li>EU Directive adaptation process and implementation of safety protocols within healthcare settings</li> <li>Safety culture in healthcare organisations</li> <li>Approach to needle stick injuries</li> <li>Safety in laboratory environment and laboratory accidents</li> <li>Impact of phlebotomy on laboratory tests results</li> </ul>
Monthly conference	February 26th, 2013 Izmir	<ul style="list-style-type: none"> <li>HLA-disease relationship</li> </ul>
Cardiovascular Markers Symposium: An Update	March 6th, 2013, Ankara	<ul style="list-style-type: none"> <li>Cardiovascular disease laboratory</li> <li>Modern markers for risk stratification in acute and chronic coronary heart disease</li> <li>Clinician view on biochemical markers in acute coronary syndrome and heart failure</li> </ul>

## NATIONAL MEETINGS

Name of the meeting	Date	Topic
Monthly conference	March 22nd, 2013, Izmir	<ul style="list-style-type: none"> <li>New studies of the Department of Medical Laboratories Services of Ministry of Health</li> </ul>
Monthly conference	April 12th, 2013, Ankara	<ul style="list-style-type: none"> <li>Accurate and efficient use of internal QC and EQAS in clinical laboratories</li> <li>The features and benefits of RIQAS, ISO/IEC 17043:2010 and Riqa Reports</li> </ul>
Monthly conference	April 16th, 2013, Izmir	<ul style="list-style-type: none"> <li>Investigation of signaling pathways induced by oxidative stress on hepatocellular carcinoma mode</li> </ul>
Patient and Laboratory Safety Symposium	May 11th, 2013, Ankara	<ul style="list-style-type: none"> <li>Studies of Ministry of Health on quality and accreditation</li> <li>EU Directive adaptation process and implementation of safety protocols</li> <li>Safety culture in healthcare organisations</li> <li>Approach to needle stick injuries</li> <li>Laboratory safety and accidents</li> <li>Phlebotomy and echoes of phlebotomy errors in laboratory results</li> </ul>
25. National Biochemistry Congress	3-6 September 2013, Izmir	<ul style="list-style-type: none"> <li>Electron transfer in proteins</li> <li>Current stem cell studies</li> <li>DNA repair in cancer and other diseases</li> <li>Academic RD Supports of TUBITAK</li> <li>Bootstrap technique in calculations of reference ranges</li> <li>Methods for GFR calculations</li> <li>Problems in serum creatinine measurement</li> <li>Cancer and drug resistance</li> <li>Will mass spectrometry applications replace immunoassays?</li> <li>Molecular basis of chemical carcinogenesis</li> <li>Detection of circulating tumor cells</li> <li>Clinical laboratory management in disaster</li> <li>Laboratory accreditation for quality in healthcare services</li> <li>Thrombocyte homeostasis</li> <li>Epigenetic and cancer</li> <li>Targeted molecular therapy in cancer and personal medicine</li> <li>Immunologic monitoring of cancer</li> <li>Extracellular miRNAs and their roles in cancer and other diseases</li> <li>Reference ranges study in Turkey</li> <li>New approaches in laboratory diagnosis of anemias</li> <li>Hematologic cancers and molecular tsunami</li> <li>Hemoglobinopathies and Hb Izmir</li> <li>A short history of enzymes</li> <li>Catalytic bioscavenger acetylcholinesterase in organophosphate intoxications</li> <li>New therapeutic approaches in lysosomal storage diseases</li> <li>Perfect health and quality of life</li> <li>Obesity pandemia</li> <li>In vivo monitoring in pre-clinical studies</li> <li>European survey of policies and procedures of communicating critical laboratory test results</li> <li>Hypertension as a cardiovascular risk factor and clinical laboratory</li> <li>Complementary and alternative medicine</li> <li>Laboratory purchases: Competition for kits and instruments or service purchasing?</li> </ul>
Monthly conference	November 4th, 2013, Izmir	Science and Ethics
1. Kahramanmaraş Biochemistry Days	November 7-9, 2013, Kahramanmaraş	<ul style="list-style-type: none"> <li>Electrophoresis practice in clinical laboratories</li> <li>Non-deletional alpha thalassemiias</li> <li>Beta thalassemiias</li> <li>Diagnosis and therapy of sickle cell anemia</li> <li>Molecular genetics of familial Mediterranean fever</li> <li>Sequence analysis of FMF cases</li> <li>Clinical characteristics and current therapy in regional FMF cases</li> <li>Use of miRNAs</li> <li>Techniques in detection and evaluation of miRNA expression</li> <li>Copy number variations in genomic DNA</li> </ul>

## NATIONAL MEETINGS

Name of the meeting	Date	Topic
1. Kahramanmaras Biochemistry Days	November 7-9, 2013, Kahramanmaras	<ul style="list-style-type: none"> <li>Relationship between some carbonic anhydrase isoenzymes and some cancer types</li> <li>Gen expression analysis of some mouse genome metabolic enzymes</li> <li>New approaches on telomerase deficiency</li> <li>Foods and cancer</li> <li>Prolidase, importance and current approaches</li> <li>Use of LC-MS/MS in clinical laboratory</li> </ul>
Monthly conference	November 4th, 2013, Izmir	Science and Ethics
1. Kahramanmaras Biochemistry Days	November 7-9, 2013, Kahramanmaras	<ul style="list-style-type: none"> <li>Electrophoresis practice in clinical laboratories</li> <li>Non-deletional alpha thalassemiyas</li> <li>Beta thalassemiyas</li> <li>Diagnosis and therapy of sickle cell anemia</li> <li>Molecular genetics of familial Mediterranean fever</li> <li>Sequence analysis of FMF cases</li> <li>Clinical characteristics and current therapy in regional FMF cases</li> <li>Use of miRNAs</li> <li>Techniques in detection and evaluation of miRNA expression</li> <li>Copy number variations in genomic DNA</li> <li>Relationship between some carbonic anhydrase isoenzymes and some cancer types</li> <li>Gen expression analysis of some mouse genome metabolic enzymes</li> <li>New approaches on telomerase deficiency</li> <li>Foods and cancer</li> <li>Prolidase, importance and current approaches</li> <li>Use of LC-MS/MS in clinical laboratory</li> </ul>
Monthly conference	December 11th, 2013, Izmir	New gene transfer methods for gene therapy of cancer
Conference and Discussion	December 6th, 2013, Istanbul	Book: Loneliness of nine colours
Conference	December 26th, 2013, Ankara	New approaches in laboratory diagnosis of vitamin B12 deficiency

## EDUCATION

Workshop by Turkish Biochemical Society Istanbul Branch and Cerrahpasa Faculty of Medicine, Istanbul Biochemistry Laboratory in the diagnosis and monitoring of diseases, May 10th 2013

Workshop by Turkish Biochemical Society Izmir Branch and Department of Molecular Medicine in, Dokuz Eylul University HSI., Izmir. Innovation in health sciences: from university to industry" training workshop" May 16-17 2013

Course by Turkish Biochemical Society and Turkish Accreditation Agency TS EN ISO 15189 training and education, September 3rd, 2013, Izmir

Course by Turkish Biochemical Society: Electrophoresis practice in clinical laboratories, September 3rd, 2013, Izmir

Course by Turkish Biochemical Society: Assay development, alternative tests and use of model organisms in biochemical laboratory education

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Innovation in health sciences: from university to industry" training workshop"	May 16-17, 2013	The Turkish Biochemical Society Izmir branch and Department of Molecular Medicine in, Dokuz Eylul University HSI
21st Meeting of The Balkan Clinical Laboratory Federation	September 25-27, 2013 Beograd	<ul style="list-style-type: none"> <li>Performance of total testing process and sigma calculations in a clinical laboratory</li> <li>Cardinal place of glucose 6-phosphate dehydrogenase and glutathione reductase</li> <li>Detection of C282Y/H63D compound heterozygote mutation in two patients with altered liver function and iron overload: case presentation of hereditary hemochromatosis</li> </ul>

## REGIONAL RELATIONS

The Turkish Biochemical Society (TBS) has relations with the medical schools, schools of pharmacy, clinical biochemistry labs of the university and hospital labs or special labs of Turkey.

TBS participates in many working groups of Ministry of Health Laboratory Services.

TBS participates in the working groups of Turkish Chamber of Physicians.

TBS organises workshops together with Turkish Accreditation Agency.

TBS supports more than 100 young scientists with educational bursaries every year.

TBS actively defends employee rights of laboratory specialists.

Turkish Journal of Biochemistry, a journal indexed in SCI-E, is official journal of TBS. Also Clinical Chemistry and Laboratory Medicine is an official journal of TBS since 2011.

## INTERNATIONAL RELATIONS

Turkish Biochemical Society actively participates in studies of different working groups and task forces held by IFCC.

In addition to IFCC, Turkish Biochemical Society is a member and officially represented in organisations such as EFLM, BCLF, WASPaLM, FEBS and IUBMB.

President and some members of Executive Board of TBS attended the EFLM Milano Meeting and the Bali Meeting of Asia Pacific Federation.

11th World Congress of the International Cartilage Repair Society, 15 -18 September 2013- Izmir

TBS is preparing to Worldlab 2014 Istanbul Meeting of IFCC now.

## ADDITIONAL INFORMATION

The 2016 FEBS Congress will be held by Turkish Biochemical Society in Kusadasi, Izmir.

## UNITED KINGDOM



### THE ASSOCIATION FOR CLINICAL BIOCHEMISTRY & LABORATORY MEDICINE (ACB)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
Frontiers in Laboratory Medicine, Birmingham	Frontiers in Laboratory Medicine, Birmingham 29th to 30th 2013	Leading edge innovations in the delivery of laboratory medicine services (In collaboration with the Dark Report)
Focus 2013, York	15th to 18th April 2013	Scientific and Clinical presentations on leading topics by international experts
Spotlight Meetings	Various	A series of one day meetings focussing on particular topics of current and emerging interest.

#### EDUCATION

Four two-day Training Courses were delivered during 2013

A Training Day was also a feature of the Focus meeting

#### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
All nine regions hold scientific and clinical meetings 1-3 times per year on a wide variety of topics	Various	Organised by the ACB, some meetings are joint with other societies

#### REGIONAL RELATIONS

While the ACB represents the UK, the country is divided into four administrations and the ACB is engaged with the devolved governments. There is also national collaboration with other laboratory organisations on a variety of political issues.

#### INTERNATIONAL RELATIONS

The ACB has engagement in a variety of positions. As an organisation we have formal relations with other Clinical Biochemistry Associations, particularly in the area of publication of our journal and discounted rates for our publications to them and theirs to us. We also have reciprocal arrangements for presenting prestigious lectures at our National Meetings.

## VIETNAM



### VIETNAMESE ASSOCIATION OF CLINICAL BIOCHEMISTS (VACB)

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Scientific Conference of the Society of Clinical Biochemists of Ho Chi Minh-City	July 2013	Clinical Biochemistry, Molecular Biology, Immunology, Endocrinology
Scientific Conference of the Society of Clinical Biochemists of Centre of Vietnam	August 2013	Clinical Biochemistry, Immunology, POCT
National Scientific Conference of the VACB and Scientific Conference of the Society of Clinical Biochemists of Hanoi and Northern Provinces	September 2013	Clinical Biochemistry, Molecular Biology, Immunology, Oncology, Endocrinology, POCT, LIS
EDUCATION		
Three courses: " Update of Clinical Chemistry " in Ho Chi Minh-City, Hanoi and Hai Phong in August and September 2013. Lecturer: Prof. Dr. G.M. Kellerman (AACB)		
REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
13th International Congress of Asian Network of Clinical Laboratory Standardization and Harmonization (ANCLS)	November 2013	The ANCLS Section of Vietnam and the VACB
REGIONAL RELATIONS		
Solid relations with the APFCB and the AACB		
INTERNATIONAL RELATIONS		
Solid relations with the IFCC, The AACB		
ADDITIONAL INFORMATION		
The VACB has organized the Jubilee Meeting of the commemoration of the 50 th Anniversary of the Foundation of the VACB in September 2013 in Hanoi, with the presence of Prof. Dr. Howard Morris (IFCC Vice-President), Prof. Dr. Sunil Sethi (APFCB Vice-President), Prof. Dr. G.M. Kellerman (AACB).		

## ZIMBABWE



### ZIMBABWE ASSOCIATION OF CLINICAL BIOCHEMISTS (ZACB)

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
Laboratory Quality Management	25-26th March 2013	Course In Lab Quality Management
Journal Club	October 10th 17th 24th 31st Nov 7th 11th and 27th	Role of Clin Lab in Diagnosis and Management of Various Diseases; Optimal Use of Cardiac Biomarkers; Eostrogen Receptors in Pathophysiology of Preeclampsia; Water Quality, Environmental Carcinogens and Mining Health
EDUCATION		
Continuous Development of ZACB members as in national meetings indicated above Participated in Inaugural Launch of Zimbabwe College of Pathologists on 27th June 2013 Participated in the Health Profession Authority in Zimbabwe; 6th Annual Congress on 29th November 2013		
REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
Labskills Africa For College of Pathologists for East Central and Southern Africa	27 to 30th June 2013	Participated in the development of the progmmme in SADC countries
REGIONAL RELATIONS		
ZACB was admitted in the African Federation of Clinical Chemists Serving AFCC as Secretary		
INTERNATIONAL RELATIONS		
A member of the IFCC		

## AFFILIATE MEMBER SOCIETIES

### INDIA



#### ASSOCIATION OF MEDICAL BIOCHEMISTS OF INDIA (AMBI)

##### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
21st Annual conference of Association of Medical Biochemist of India, Ludhiana	14th – Workshop 15th – 17th November 2013	
Host: Christian Medical College and Hospital	Dr.Graham Beastall, FCC President was the VLP sponsored by IFCC	1. Adding value to Laboratory Medicine: A professional responsibility 2. Harmonisation
	Dr.Graham Jones, Chemical Pathologist, Sydney, Australia	1. CKD 2. Traceability in laboratory medicine
	Dr.Udayan Ray, Director, Department of Clinical chemistry, Australia	Role of Aspirin in disease
	Dr.Joseph P, Director and Chief Medical Officer	Comprehensive biomarker testing for CVD
	Dr.Ravinder J Singh, Mayo clinic	Vitamin D deficiency in USA
	National speakers:	Lipids, Gene polymorphism, PCOS, Education, Diabetic retinopathy, Electrophoresis, Inborn errors,
	6 orations, plenary lectures, award papers, quiz for students, poster presentations	Delegates AMBI members

##### EDUCATION

Regular continuing medical education programmes, symposia, corporate sponsored educational forums held regularly throughout the year in various cities.

Common agenda:

1. ISO std 15189 2007-2012
2. Harmonization in laboratory
3. Creatinine and renal disorders
4. Genetic testing

Co sponsored by Randox, Roche, J & J (Ortho clinical diagnostics and institutes), Beckman, Seimens and others

##### REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
1. Karnataka State level conference of Association of Medical Biochemists Karnataka Chapter Venue: JJM Medical college, Davengere	12 – 14th September 2013	Senior faculty from all over country, student participation, Quiz Topics: Atherogenesis, Cardio renal syndrome, Biomarkers for MI, Vitamin D, Clinical chemistry curriculum revision
2. Chandigarh		Dr.Graham Beastall Dr.Graham Jones
Inauguration of Chandigarh of AMBI	14th November	
	Dr.Graham Beastall inaugurated the chapter, delivered a talk on Standardization of thyroid function tests	The societies contribution was by attendance of all senior office bearers of AMBI
	Dr.Graham Jones and invited speaker graced the occasion and delivered a talk on CKD	Senior of AMBI from all over the country attended the inaugural function which was held prior to the annual conference at Ludhiana. The societies contribution was by senior members briefing history of AMBI and highlighting its achievements in the past 21 years
	Dr.Harbir Kohli, Prof Nephrology, PGIMER spoke on clinical aspects of CKD	Students from the medical college and universities were present for these talks and benefited a great deal.
	Dr.Muralidharana, endocrinologist, consultant at Fortis hospital spoke on thyroid disorders	

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
18th November, Chandigarh	Educational talks by Prof McConnel and Udayan Ray	
At Ludhiana at a private medical college	Dr.Graham Jones	CKD interaction with nephrologists and students

## REGIONAL RELATIONS

The members all over the country interact by attending educational programmes held within the institutions, cities and state. Exchange of senior professors is a regular features in these programmes so that students get experience in a wide variety of topics.

AMBI in 2013 became a member of APFCB. The meeting at Bali was well represented by AMBI members Dr. Shanmuga priya won the first prize for her oral presentation, her name was also significantly mentioned in the news letter in relation to discussion among IFCC and APFCB's young scientists members. Dr. Shanthi Naidu Kamatham won a prize for poster presentation.

## INTERNATIONAL RELATIONS

AMBI was represented in good numbers at IFCC at MILAN and APFCB in Bali.

AMBI was honoured to have Dr. Graham Beastall visit the annual conference as the VLP sponsored by IFCC.

Number of doctors and scientist attended the annual conference and regional chapter in 2013.

Dr. Shanmuga priya was nominated as corresponding member of the Task Force Young scientist.

Dr. Shanthi Naidu Kamatham was recently nominated as a corresponding member in TFCKD.

Dr. Sanjeevi Ra Sadaram was nominated as corresponding member for Web editor position.

Dr. Animesh Bardoli received the Roche travel fellowship award and Dr. Saswati Das also received travel fellowship to attend the APFCB conference at Bali.

## PHILIPPINE



### PHILIPPINE COUNCIL FOR QUALITY ASSURANCE IN CLINICAL LABORATORIES (PCQACL)

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
10th Annual Convention	October 7- 10, 2013	Nurturing the Culture of Quality in the Clinical Laboratory

## EDUCATION

The PCQACL Committee on Continuing Medical Education, Training & Research has conducted the following seminar workshops:

1. Seminar Workshop on Quality Assurance in Laboratory Diagnosis of Malaria - March 9, 2013
2. Seminar Workshop on NEQAS ( National Capital Region) - April 13, 2013
3. Seminar Workshop on NEQAS ( Cebu City ) - May 20, 2013
4. Seminar Workshop on White Blood Cells (National Capital Region) - June 13, 2013
5. Workshop & Consensus Building on Coagulation ( Cebu City ) - June 24, 2013
6. Seminar Workshop on White Blood Cells ( Cebu City ) - June 25, 2013
7. Seminar Workshop on Thyroid Function Tests - Aug. 20, 2013
8. Short Course on Disaster Management - Oct. 2, 2013

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
CLSI Teleconference	Jan. 25, 2013	PCQACL as a "distributor" of CLSI documents in the Philippines PCQACL representation in the CLSI Standards Development Process
ANCLS	Nov. 14 –15, 2013 Ho Chi Minh City, Vietnam	Nurturing Quality of Clinical Laboratory in the Philippines – a PCQACL status Report by Marissa A. Orillaza, MD, FPSP, MSCE

## REGIONAL RELATIONS

Member of Asian Network for Clinical Laboratory Standardization and Harmonization ( ANCLS )

Member of Clinical and Laboratory Standards Institute ( CLSI )

Member of International Federation of Clinical Chemistry and Laboratory Medicine ( IFCC )

Membership to Asia Pacific Federation for Clinical Biochemistry ( APFCB )

## INTERNATIONAL RELATIONS

IFCC Affiliation Membership

Digital PT International EQA Collaboration Membership

## ROMANIA



### ROMANIAN ASSOCIATION OF MEDICAL LABORATORIES (RAML)

REGIONAL MEETINGS		
Name of the meeting	Date	Society's contribution for the meeting
2 <sup>nd</sup> RAML Congress with international participation	June 5-8 2013 Brasov	Clinical Laboratory (Hematology, Microbiology, Clinical Chemistry)
Contribution of laboratory tests to clinical diagnostic	April 2013 Brasov	Usefulness and limitations of laboratory tests for the clinical diagnostic
EDUCATION		
<ul style="list-style-type: none"> <li>CME training course "Up to date in laboratory medicine" Bucarest Oct 26-27 and November 2-3 2013</li> <li>In order to stimulate our young colleagues, two awards were granted at the 2nd RAML Congress for the best poster presentation and for a meritorious activity in the field of laboratory medicine.</li> </ul>		
REGIONAL RELATIONS		
The Publication Division of RAML collaborates with the Croatian Review Biochemica Medica		
INTERNATIONAL RELATIONS		
The Romanian Association of Medical Laboratories (RAML) is affiliated to IFCC and EFLM. IFCC and EFLM representatives (prof Ian Watson, prof. Vladimir Palicka., prof Grazyna Sypniewska) attended the 2nd RAML Congress in 2013.		
ADDITIONAL INFORMATION		
<ul style="list-style-type: none"> <li>The official publication of RAML – the Romanian Review of Laboratory Medicine (RRML) is indexed in ISI Web of Knowledge – Web of Science (Thomson Reuters Scientific), Index Copernicus, SCOPUS, EMCARE Database</li> <li>Since 2012 RRML is a COPE member</li> <li>RAML sites: <a href="http://www.almr.ro">www.almr.ro</a>, <a href="http://www.rml.ro">www.rml.ro</a>, <a href="http://www.raml-conference.ro">www.raml-conference.ro</a></li> </ul>		

## SPAIN



### ASOCIACIÓN ESPAÑOLA DE FARMACÉUTICOS ANALISTAS SPANISH PHARMACEUTICAL ANALYSTS SOCIETY (AEFA)

NATIONAL MEETINGS		
Name of the meeting	Date	Topic
VII Clinical Laboratory National Congress Bilbao	23-25/10/2013	Annual Meeting & Clinical Lab Expo
AEFA Scientific Seminar 2013 - Avila	10-11/05/2013	Clinical Laboratory general topics.
V AEFA Scientific Meeting - Madrid	23/11/2013	Update on Biological fluids study.
AEFA Seminar 2013 - Barcelona	27/09/2013	Strategies within Clinical Laboratory to enhance patient's safety. Post-analytical error.
EDUCATION		
Continuous Education 2013: Clinical Laboratory within a quality medical assistance – Online 1/02/2013 to 31/12/2013		
REGIONAL RELATIONS		
Madrid Pharmaceutical College National Relations: Asociación Española de Biopatología Médica (AEBM) y Sociedad Española de Bioquímica Clínica y Patología Molecular (SEQC).		
INTERNATIONAL RELATIONS		
Confederación Latinoamericana de Bioquímica Clínica (COLABIOCLI) Member International Federation of Clinical Chemistry (IFCC) Affiliate Member Ordem dos Farmacêuticos (OF) Cooperation agreement for the continuing education		



## ADDITIONAL INFORMATION

Scientific journal: Revista Laboratorio Clínico (Rev Lab Clin), (in collaboration with AEBM and SEQC)

2013 AEFA Award on Quality and Innovation

2013 AEFA scholarships:

- Post- Residence scholarship
- Scholarship for National and International internship.

PSEC 2013: External Quality Assurance Program (EQAS)

- Biochemistry stat lab
- Hormones and tumour markers
- Microbiology
- Hematology
- Parasitology
- Semen analysis

## UKRAINE



### ASSOCIATION OF CLINICAL CHEMISTRY & LABORATORY MEDICINE OF UKRAINE (ACCLMU)

#### NATIONAL MEETINGS

Name of the meeting	Date	Topic
International Medical Forum	Kyiv, April 16-19, 2013	Co-organizer
Scientific and Practical Conference with international participation "Medical effectiveness of modern clinical laboratories"	Kyiv, April 16-19, 2013	Organizer
International specialized exhibition «LABCompEX-2013"	Kyiv, 15-17 October 2013	Co-organizer
Scientific and Practical Conference with international participation "Accreditation - a guarantee of quality and competence of medical laboratories"	Kyiv, 15-17 October 2013	Organizer

#### EDUCATION

Joint public meetings of the Ministry of Health of Ukraine and of Sub-Committee 09 "Medicine" of Technical Committee for Accreditation of the National Agency for Accreditation of Ukraine "Licensing of medical practice and accreditation of medical schools today" was participated (Kyiv, April 23, 2013).

EUROMEDLAB Exhibition (Milano, 2013), IFCC - EFLM European Congress of Clinical Chemistry and Laboratory Medicine, and Congress of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC) were participated (Milan, 19-23 May 2013).

ACCLMU experts have participated a joint workshop together with experts from the American Society of Clinical Pathologists (ASCP), with Ukrainian specialists of quality control and management of medical services of the Ministry of Health of Ukraine, and with experts of Sub-Committee 09 "Medicine" of Technical Committee for Accreditation of the National Agency for Accreditation of Ukraine concerning the algorithm of preparation of medical laboratories for accreditation; in particular, set of necessary regulations was established to be the basis for the implementation of accreditation procedures, and the need in further workshops for professional trainers, heads of medical laboratories was found (Kyiv, 17-19 June 2013).

XVII Forum "National Days of Laboratory Medicine of Russia - 2013" was participated (Moscow, 1 - 3 October 2013).

The Meetings Program for Stakeholders on Blood Safety (Kyiv, 29-30 October 2013) and the Round Table on Voluntary Donation were participated (Kyiv, October 31, 2013).

Seminar "Problems in the system of technical regulation to ensure quality of care" at the State Enterprise "Ukrainian Research, Development, and Training Center for Standardization, Certification, and Quality Problems" (UkrRDTc) was participated (Kyiv, October 31, 2013).

Ukrainian Society for Clinical Laboratory Diagnostics Symposium (with international participation) "The role of laboratory data in diagnosing and monitoring the treatment of internal diseases and sanatorium rehabilitation" was participated (Kyiv, 5-6 November 2013).

The Workshop "Metrology in Chemistry. Implementation of technical requirements of ISO/IEC 17025" organized by the European Commission Joint Research Centre Institute for Reference Materials and Measurements Knowledge Transfer and Standards for Security Unit (training course TrainMiC) was participated (Kharkov, 18 - 20 November 2013).

## REGIONAL MEETINGS

Name of the meeting	Date	Society's contribution for the meeting
Scientific and Practical Conference with international participation "Days of Laboratory Medicine in Lviv"	Lviv, October 24, 2013	Co-organizer

## ADDITIONAL INFORMATION

The Electoral General Meeting of ACCLMU was carried out (Kyiv, 17 April 2013).

Organizational meeting of the interdepartmental working group to develop the Concept of the laboratory network of the State Sanitary and Epidemiological Service of Ukraine according to the Order of Ministry of Health of Ukraine of 09.01.2013 No. 2-Adm "On the establishment of an interdepartmental working group" was participated actively (Kyiv, January 16, 2013).

Within the working group at the Ministry of Health of Ukraine, Technical Committee for standardization 166 "Clinical laboratory testing and diagnostic system for in vitro» participated drafting of the Law of Ukraine "On medical devices".

On behalf of the Ministry of Health of Ukraine, Technical Committee for standardization 166 made identical translations of the following documents:

- EC Council Directive 93/42/EEC of 14 June 1993 concerning medical devices and
- Directive of the European Parliament and of the Council 98/79/EC of 27 October 1998 concerning medical devices for the diagnosis in vitro.

On behalf of the Ministry of Health of Ukraine (Order No. 264 of 04.04.2013), Technical Committee for standardization 166 developed lists of standards for the implementation of national standards in the field of conformity assessment of medical products, harmonized with international ones:

- European standards
- Standards of International Organization for Standardization and
- Standards of GHTF.

The meeting for discussion of the draft of the Decision of Cabinet of Ministers of Ukraine "On Technical Regulation (TR) on the safety of cosmetic products" at the UkrRDTC was participated (Kyiv, 14 November 2013).

In cooperation with Technical Committee for Standardization 166, 44 projects of national standards and guidelines were developed and submitted to the state examination, including ISO 15189:2012 «Medical Laboratory. Requirements for quality and competence" and EN ISO 15195:2003 "Laboratory Medicine. Requirements for reference measurement laboratories".

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