

International Federation of
Clinical Chemistry
and Laboratory Medicine



Annual Report 2014

ANNUAL REPORT 2014

HIGHLIGHTS OF THE YEAR

- ◆ **WorldLab Congress**
Istanbul, TR - June 2014 (<http://www.istanbul2014.org/>)

- ◆ **14th Roche Bergmeyer Conference**
Eibsee, Germany - 3-5 March 2014

- ◆ IFCC-Siemens Specialized Conference “**Biomarkers in Neuropsychiatric Disorders**”
Toronto, Canada - 24-25 October, 2014

- ◆ IFCC-Roche Specialized Conference “**Biomarkers in Alzheimer Disease**”
Rome, Italy - 14 November 2014).

- ◆ IFCC-Abbott “**Turning Science into Caring**” Symposium
Ho Chi Minh City, Vietnam - October 20-21, 2014

- ◆ Abbott Laboratories’ annual sponsorship for the **IFCC VLP programme**

- ◆ 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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2014: DELIVERING FOR PATIENTS

Message from the President of IFCC



Introduction

This is the final contribution that I will make to the Annual Review as IFCC President. The past six years have been busy but highly enjoyable with visits to fifty countries and meeting thousands of professionals who are dedicated to improving the health of patients. It has been a privilege and a pleasure to serve IFCC as its President.

Membership

During 2014 IFCC again increased its membership as we welcomed two new Full Members:

- Macedonian Society of Medical Biochemistry and Laboratory Medicine
- Saudi Association for Clinical Chemistry

We also welcomed three new Corporate Members

- Diatron
- Guangzhou Wondfo Biotech
- Sonic Healthcare

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 2014 >300 experts volunteered to work on 45 IFCC 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) and reports from many of these projects may be found in this Annual Report. IFCC also contributes expert input to a number of global organisations, including ISO and WHO.

The IFCC Strategic Plan

The Executive Board continued to working effectively during 2014 and succeeded in completing all 26 action points in the Strategic Plan for 2012-14. Notable achievements during 2014 included:

- A stimulating Council debate about 'Shaping the Future of Laboratory Medicine'
- A meeting with Regional Federation Presidents
- An increase in the number of clinical organisations with which IFCC collaborates
- Surveys of Member opinion on a range of issues
- Support for a horizon scanning review published by Larry Kricka and colleagues

Increasing the Focus on Patients

Over the past three years there has been a significant shift in emphasis by IFCC, its Regional Federations and many of its Members towards a greater focus on the clinical effectiveness of laboratory medicine. For IFCC this has been exemplified by the work of many of the Task Forces and by the increasing collaboration with international clinical organisations. A nice summary of this topic was published in the January 2015 issue of the electronic journal of IFCC. This trend will surely gain further momentum in the years ahead for laboratory medicine is truly central to clinical decision making in healthcare.

The IFCC Council Meeting

An excellent attendance occurred at the triennial Council meeting in Istanbul in June 2014. The agenda included reports on IFCC activities after which Council debated two Motions on the future composition of the Executive Board. These Motions were subsequently put to formal electronic vote resulting in an outcome that will strengthen Regional Federation representation in future Executive Boards.

Congresses and Conferences

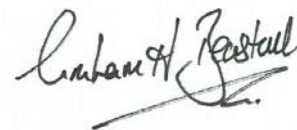
Congresses and conferences provide an opportunity to update our scientific and clinical knowledge, skills and experience and they also provide a great forum to meet and make friends and to build long lasting professional networks. During 2014 we held a successful IFCC WorldLab congress in Istanbul, which was attended by >5000 delegates.

Finances

The annual accounts for 2014 were audited in March 2015 and copies are available upon request from the IFCC Office. IFCC had another solid year financially and our finances are sound as we prepare for the future. The only 'dark cloud' is the continuing fall in value of the Euro against other currencies, notably the Swiss Franc (the formal currency of IFCC).

Thanks

Finally, I wish to thank the retiring Executive Board and the Chairs of Divisions for their skill, wisdom, commitment and inspiration. Our excellent team in the IFCC Office in Milan (Paola Bramati, Silvia Colli-Lanzi and Silvia Cardinale) 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 as we move forward. The incoming Executive Board inherits an active and confident IFCC – I wish them success and pleasure in their role.



EXECUTIVE BOARD (EB)

The Executive Board held three meetings during 2014. The first meeting was held in the headquarters of the American Association for Clinical Chemistry (AACC), Washington DC, USA, March 21-23; the second was held in Istanbul in association with the WorldLab Congress, June 20-21; during this meeting was also held the IFCC Council with a great debate about the future of IFCC and of Laboratory Medicine. Moreover an important motion on “the presence of one Regional Federation representative on all future Executive Boards” was discussed and approved later by electronic ballot with 98% of votes.

The third EB meeting was held in Rome in November 15-17 in association with the Joint Symposium IFCC-Roche “Biomarkers in Alzheimer Disease”. The newly elected EB members and the resigning ones participated to the meeting. The outgoing members of the EB were invited to reflect on the last three years and suggest topics of interest for the future of IFCC, to be considered by the incoming Board. The new EB Members were invited to ask EB for suggestions about their new role and their working relationships with Divisions, Committees and the IFCC Office. At the end of the joint EB meeting, many words were spoken to remember and appreciate the role of the outgoing friends. It was a really exciting and touching moment that reminded everyone of crucial advancements for IFCC.

New members joined the IFCC family in 2014: the “Macedonian Society of Medical Biochemistry and Laboratory Medicine (MSMBLM)” and the “Saudi Association for Clinical Chemistry” as Full Members; Diatron (HU), Guangzhou Wondfo Biotech Co. (CN), Sonic Healthcare Europe (DE) as Corporate members.

A letter was sent to the Full and Affiliate Members National Societies, requesting their annual reports; 44 forms were received to be included in the IFCC Annual Report 2014, which is available on the IFCC website (www.ifcc.org). Regional Federations as essential part of the IFCC, also presented their summary that will be part of the report published in the IFCC website.

The 2014 IFCC Annual Report closes my first term as IFCC Secretary. I would like to personally thank the EB members finishing their term at the end of 2014: Jocelyn Hicks, Graham Beastall, Bernard Gouget, Howard Morris, Larry Kricka, Ulisses Tuma, Thomas Brinkmann and the IFCC staff of the IFCC office in Milano.

Now my 2nd term begins, I wish to thank the confidence showed by the National Representatives, hoping to live up their expectations.

Sergio Bernardini, Executive Board Secretary

TREASURER REPORT

During these last three years, considerable efforts have been made to make more efficient the day-to-day processing of accounting records with IFCC national societies, IFCC regions, Corporate Members and the banks in charge of the IFCC accounts. All this effort could not have succeeded without the momentum from the IFCC-EB and a very close collaboration based on trust and friendship with the IFCC office which now counts 2.1 FTE. A big thank you to the entire team, Paola Bramati, Silvia Colli-Lanzi and Silvia Cardinale. Thanks also to Silvia Cattaneo who worked in the IFCC office until June 2014 before taking over the EFLM office independently.

This 2014 budget reflects the desire to have the most realistic budget possible seeking to promote the smooth progress of the scientific activities underway while making room for funding of innovative projects. The total operational revenues and financial income are CHF 2.078.225 (Fig 1), for total operational costs and financial charges of CHF 1.515.308 (Fig 2), or a profit of CHF 562.917, 2014 is the second consecutive year with substantial profits, as 2013 also closed with a positive result (+ CHF 442 498) .

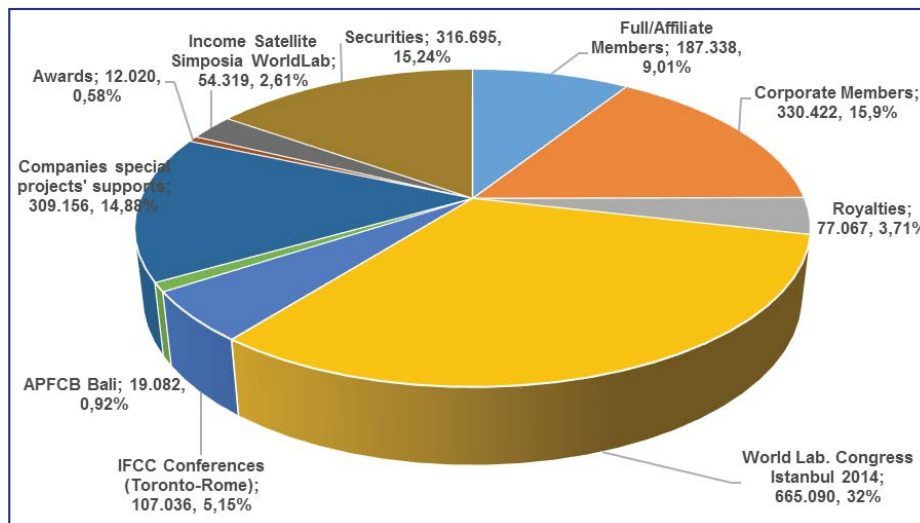


Figure 1: Total operational revenues and financial income 2014: CHF 2.078.225, by specific unit compared to total

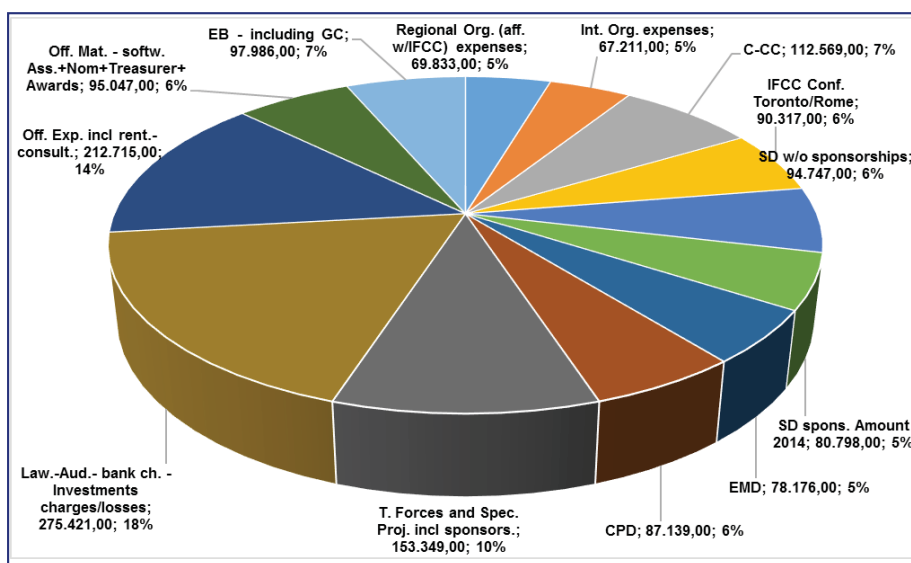
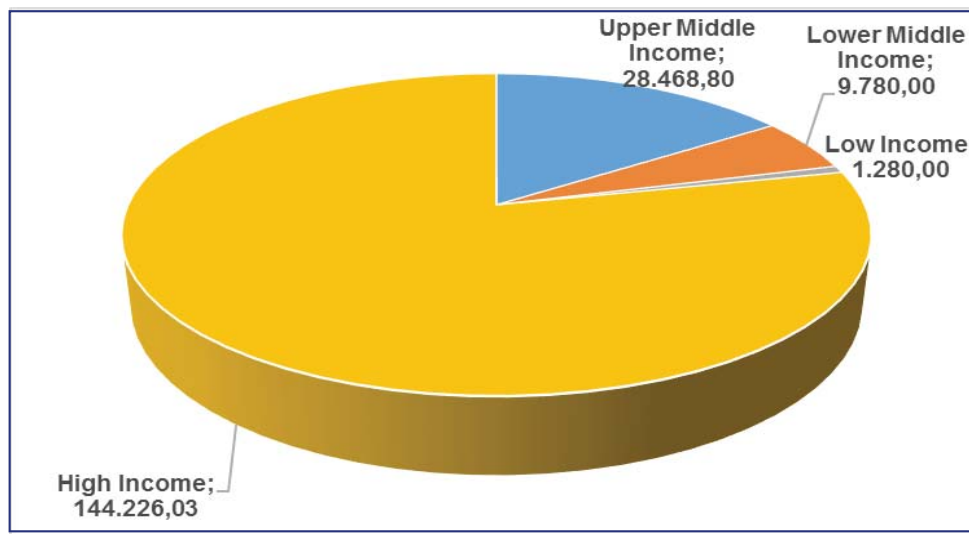


Figure 2: Total operational costs and financial charges 2014 (CHF 1.515.308), by specific unit compared to total

The division budgets remained constant relative to 2013. It can be noted that the SD received specific sponsorships (CHF 264.667), which gave them a certain flexibility conducting projects.

This year, expenses appear to be increased relative to the provisional budget of CHF 1,519,984 due to the latest payouts of EuroMedLab 2013 to the Italian society at the start of the year. Likewise, the revenue takes into account the financial inflow from WorldLab 2014 Istanbul managed by the IFCC. According to current guidelines, the IFCC has received 20% of the global income, i.e.: € 547.035,9 + € 15.910 from satellite symposiums, the TBS (Turkish Biochemical Society) € 232.968 and the PCO (MZ Congressi) € 232.968. The Congress operating balance (€ 2.735.178/€ 1.721.905,94) remains positive showing the importance of the success of an IFCC conference like WorldLab which participated for 32% of 2014 IFCC annual resources. We thank MZ for their energy and professionalism in the organization and success of IFCC congresses and events.



Dues levels, per Societies' Members (89 members – December 2014):

Low Income dues:	CHF 5	(4 countries)
Lower Middle Income:	CHF 5,5	(17 countries)
Upper Middle Income:	CHF 6	(32 countries)
High Income:	CHF 6,5	(36 countries)

Figure 3: Due levels per societies' members (89 countries) including dues levels

The price of the full member dues is set according to the World Bank classification which distinguishes difference categories according to gross national product (GNP) per capita (Fig 3). Therefore, economies with low revenue, medium revenue and high revenue are distinguished (with medium revenue ones being subdivided into lower medium revenue and upper medium revenue). Figure 4 reflects full member dues by region for a total amount of 183.754 CHF. It may be noted that the EFLM with 40 countries contributes CHF 95.321.00, and that others (including AACC), contribute CHF 44.110 The contribution of the 10 affiliate members was CHF 3.584. We can only thank the members for their loyalty and attention in paying dues at the start of the year, which helps the cash flow.

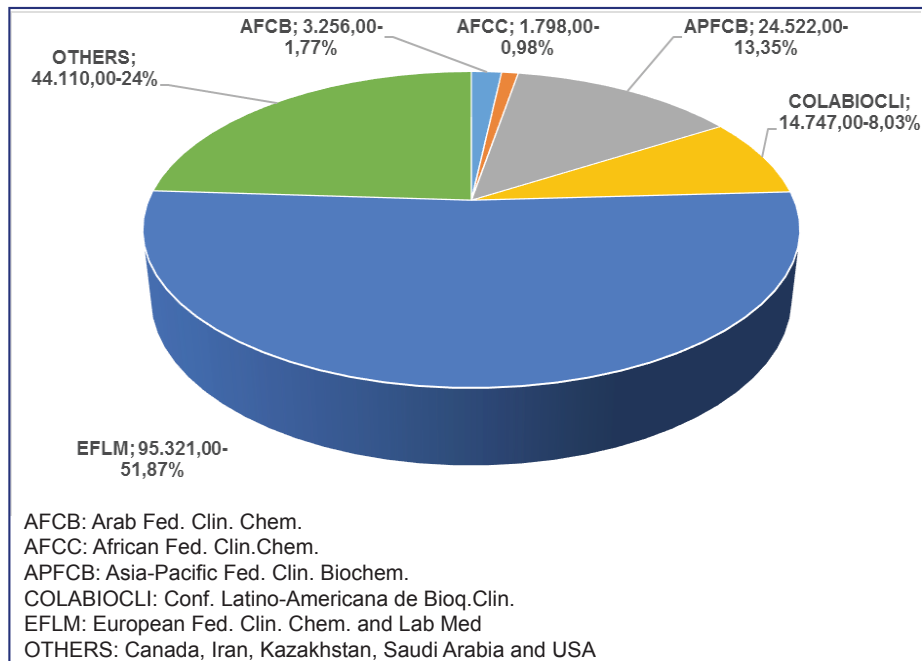


Figure 4: 2014 Full members dues by regions (Total CHF 183.754)

The grant to the regions is maintained at CHF 10,000 except for EFLM which received the balance from EuroMedLab 2013 Milan, in late January 2014, € 157.289,00.

Despite some old corporate members leaving and new ones coming in (50 in 2012, 51 in 2013 and 52 in 2014), the number of CM remains approximately constant and the received dues are CHF 330.422 (Fig 5). The actual received amount shows a higher sum compared to the budgeted one, due to the catch-up contributions from outstanding companies. The IFCC is very grateful to the IVD industry for their support and active participation in the IFCC scientific events. the CM

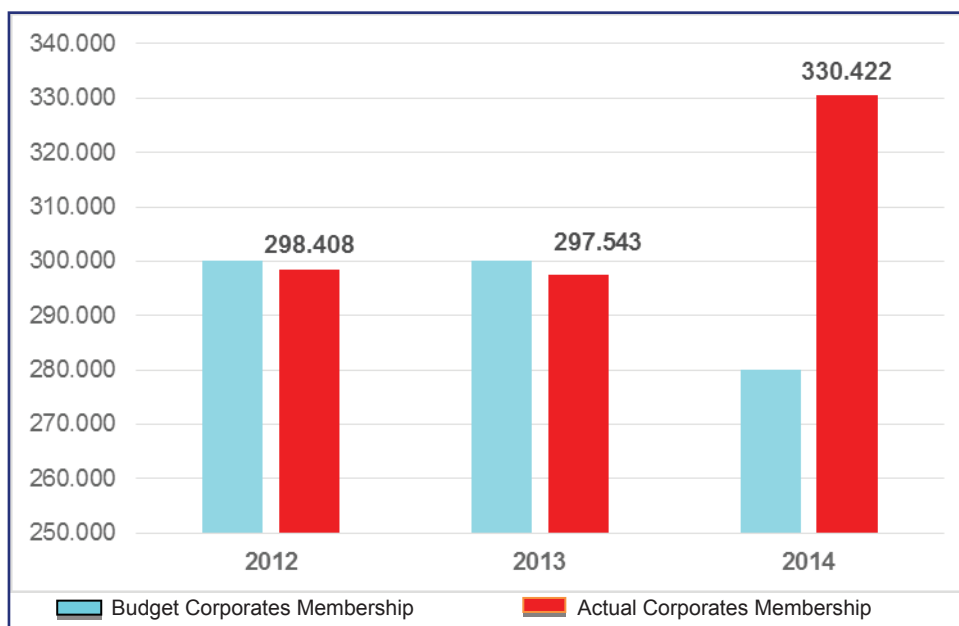


Figure 5: Evolution of the CM contribution (2012-2014)

The latest strategic focus concerning finances consisted of optimizing account management with Credit Suisse, as well as that of the portfolio entrusted to the LGT Group. As of January 26, 2015, the date of switching from one treasurer to the other, the current account had a balance of CHF 788,534.90 (CHF 430,660.24, EUR 276,213.83 and USD 81,660.83) which allows to operate with the usual financial income to cover 2015 without difficulty despite

the change in the CHF exchange rate. The Swiss National Bank (SNB) having announced in mid-January that it was terminating the CHF rate floor. This decision resulted in a surge in the Swiss franc against the euro, which positions the Swiss franc and the euro at almost parity. The distribution over three currencies allows partially cushioning the practical consequences of this increase.

During the last 3 years IFCC established very close relationship with M Jean Michel Daniele, LGT portfolio manager to find the best possible investment based on a thorough analysis of qualitative and quantitative factors. The core element of The IFCC/LGT investment philosophy was the disciplined asset allocation across a full range of all asset classes and the permanent risk monitoring of the portfolio. In 2014, we choose the “Growth” profile (Figure 6) to achieve an optimised long-term risk/return profile through broad diversification with an expected growth rate around 5%.

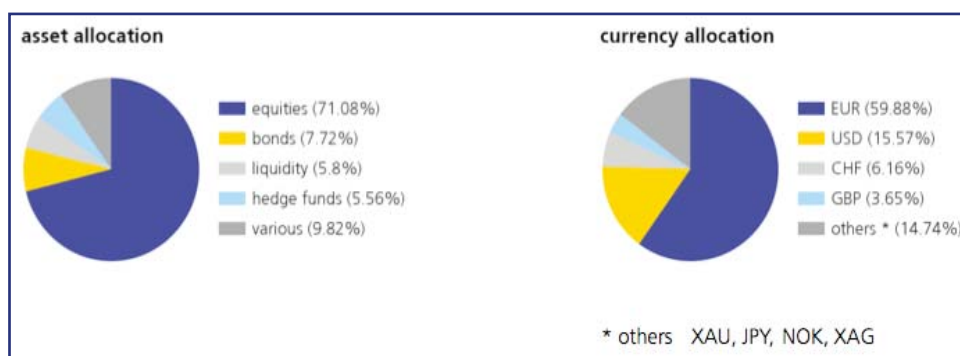


Figure 6: LGT “Growth Profile”

In terms of geopolitical developments and global economy, 2014 was a disappointing year. The problems in the Middle East have been exacerbated with the sudden rise of the Islamic State, while the Ukraine conflict and the cooling of relations between Europe and the US on the one hand and Russia on the other have been a bitter economic and political setback. While the economic development within the euro area was disappointing once more, at least the recovery in the US economy remained in line with expectations.

Against the background of the observed changes we have reduced our investment risks in the euro area where LGT recommends caution in particular with regards to the respective currencies and bonds. IFCC Portfolio remained diversified in terms of how the various asset classes were weighted according the economic environment. A close monitoring of the IFCC portfolio got us out of those tricky geopolitical tensions with a sound performance for 2014. (+ 4,56% (2,867 931,14 €) on December 31 and 5,52% (3 026 211,88 €) on January 26 - 2015) (Figure 8).

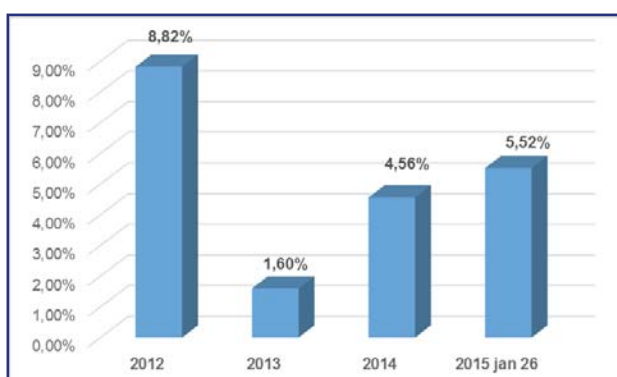


Figure 7 LGT statements of assets: Historic performance



Figure 8: Evolution of the LGT Portfolio

Figure 8 shows that in three years, the collaboration with LGT has proven fruitful since we went from €1,981,330 in late 2011 to €3,026,211.88 on January 26, the date on which the keys and passwords were turned over to the new treasurer. This amount is equal to two fiscal years of operation to respond appropriately to the IFCC missions.

As usual, the 2014 financial statements were certified by Mr John Gates, Partner with Humphreys and Gates Audital who provided valuable guidance and expertise.

At the end of this Treasurer mandate, we would like to wish all the best to Prof. Tomris Ozben, new IFCC treasurer.

Bernard Gouget, Treasurer

CORPORATE MEMBERS

Corporate Representative at IFCC Executive Board

Thomas Brinkmann (Sonic Healthcare)

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 2014 the total number of Corporate Members increased to 52 with a total annual dues actual income of CHF 330.422 representing 15,90% of the IFCC total annual income (fees). 3 IVD companies joined IFCC as Corporate Member (Diatron, Hungary; Guangzhou Wondfo Biotech Co., Ltd., China; Sonic Healthcare Europe, Germany) 4 Corporate Members were lost: BG Medicine (US), Perkin Elmer (FI), Immunodiagnostic Systems (UK) and Biomerieux (FR)

Corporate Members' Meeting

In 2014 two Corporate Members' meetings were organised in conjunction with international conferences: IFCC WorldLab, Istanbul, Turkey (June, 2014) and AACC in Chicago, IL, USA (July, 2014). Meeting minutes and ToDo lists 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 2nd term 2014-2016 (Roche Diagnostics). In addition Corporate Members worked in many IFCC committees and workgroups.

Report of Corporate Representatives at IFCC Divisions:

Corporate Members at international conference committees

IFCC / WorldLab 2014, Istanbul, Turkey

Thomas Brinkmann (Sonic Healthcare) served 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) are serving as members of the Congress Organising Committee (COC) representing IFCC Corporate Members.

IFCC / EuroMedLab 2017, Athens, Greece

Angelos Evangelopoulos (Roche) is serving as Corporate Representative at the Congress Organising Committee (COC) and Thomas Brinkmann (Sonic Healthcare) as Corporate Consultant.

Thomas Brinkmann, Corporate Representative

COMMITTEE ON CONGRESSES AND CONFERENCES (C-CC)

The appointments in the Committee on Congresses and Conferences (C-CC)

James Wesenberg served as the Chair-elect of C-CC in 2014 and will replace Tomris Ozben as Chair as of January 2015.

International Congresses of Clinical Chemistry & Laboratory Medicine (ICCCLM);

WorldLab Congresses

22nd IFCC WorldLab Istanbul 2014 (22-26 June 2014 www.istanbul2014.org) - 22nd Balkan Clinical Laboratory Federation Meeting (BCLF 2014) - 26th National Congress of the Turkish Biochemical Society (TBS 2014).

The congress was successful in regards to the number of participants, exhibition, scientific program, social events, and the facilities of the congress centre. The scientific program included a wide range of high quality and innovative topics through one opening lecture, 4 plenary lectures, 39 symposia, 117 lectures and 42 short oral presentations selected from the abstracts, 1552 poster presentations and 22 industry sponsored workshops. The number of delegates was 3258; visitors 1875 and the total number of participants 5133 from 116 countries. There were 13 sponsors and 48 exhibitors. IFCC provided 19 Travel Scholarships, Prof. Jocelyn Hicks one and Turkish Biochemical Society ~100 reg. fees.

Three satellite meetings were organized before the congress: "XIII International Congress of Pediatric Laboratory Medicine – ICPLM 2014"; "POCT Satellite Meeting" and "LC-MS/MS in Clinical Laboratory"

Congress Balance:

INCOME	€ 2.777.678,00
EXPENSES	€ 1.764.706,12
BALANCE (Congress Surplus)	€ 1.012.971,88
IFCC FEES (20% of INCOME)	€ 547.035,60
MZ HONORARY (up to 10% of INCOME)	€ 232.968,14
TBS SURPLUS (up to 10% of INCOME)	€ 232.968,14

IFCC WorldLab Durban 2017 – South Africa (22-26 October, 2017)

The 23rd WordLab Congress will be held at the Durban International Convention Centre. The Organizing and Scientific Committees of the Congress were formed. The members of the International Scientific Committee are as follows: Prof. Tahir Pillay, President and Chair, Members: Prof. R. Erasmus, Prof. T Matsha, Prof. K Adeli, Dr M Turzyniecka, Prof. J. Delanghe and Prof. S Sandberg. First announcement of the Congress has commenced along with various promoting activities.

IFCC WorldLab 2020, Seoul- South Korea

The Korean Society of Clinical Chemistry (KSCC) as the Hosting Society of IFCC 24th WorldLab 2020, started to activate the Local Organizing Committee (LOC) by nominating Professor Junghan Song (Seoul National University) as the Chairman of Local Organizing Committee. The WorldLab Congress begun to be promoted during the Autumn Symposium of KSCC on November 6, 2014.

IFCC Regional Congresses of Clinical Biochemistry and Laboratory Medicine

APFCB 2013 Congress - Taipei, Taiwan (November 26-29, 2016)

The 14th APFCB Congress will be held at Taipei International Convention Center (TICC), Taipei, Taiwan. The Organizing committee has been formed. Chairman is Woei-horng Fang. All the relevant information regarding the meeting is provided on the website of the congress (<http://www.apfcbcongress2016.org/committee.html>). The program and the speakers have been defined.

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

The scientific program for 21st EuroMedLab has been finalized.

The congress will start on Sunday with the Opening Ceremony and the Welcome Cocktail. The morning program from Monday to Thursday includes a series of symposia organized by the Scientific Committee or the IFCC/EFLM. A plenary lecture will conclude the morning program. The early afternoon program from Monday

to Wednesday includes poster sessions and poster walks. The restaurant will be located in the poster area in order to attract delegates to the posters. Symposia and Workshops are also scheduled during this time. The late afternoon program from Monday to Wednesday includes an IFCC/EFLM symposium and a series of Educational Workshops proposed and funded by the sponsoring companies. The exhibition area will be open on Monday, Tuesday and Wednesday from 10.00 to 17.30. The Congress will end at 1300 on Thursday. Delegates with "full registration" are allowed to submit an unlimited number of abstracts. About 1.200-1.300 abstracts are expected. All posters will be displayed with panels divided day by day, on Monday, Tuesday and Wednesday. Every day all topics will be displayed. In addition, a group of best papers will be displayed as e-posters in the exhibition area. The best posters will be selected for oral presentation.

The following deadlines have been approved by COC:

- 1 February 2015 deadline for abstract submission
- 30 April 2015 deadline for reduced registration fees

The day before and after the congress, satellite meetings will be organized in locations close to Paris. Three proposals for Satellite meetings have been submitted:

- **Pre-meeting: 6th International Symposium "Critical Care Testing and Blood Gases"**
Versailles – June 18-19th, 2015. Proposed by AISA (Association pour l'Innovation en Science et Analyse)
- **Post-meeting: HbA1c and management of diabetes in the 21st century**
Reims 26 June 2015
- **State of the art in the biology of trace elements and vitamins**
Paris, France – June 26th, 2015
In cooperation with Société Francophone d'Etude et de Recherche sur les Eléments Toxiques et Essentiels (SFERETE) and the Société Française des Vitamines et Biofacteurs (SFVB)

EuroMedLab Congress 2017 – Athens, Greece (11-15 June, 2017) -

22nd IFCC-EFLM EuroMedLab Congress of Clinical Chemistry and Laboratory Medicine - 25th Balkan Clinical Laboratory Federation Meeting - BCLF 2014 and 15th National Congress of GSCC-CB9
The Greek Society of Clinical Chemistry - Clinical Biochemistry (GSCC-CB) has: appointed the President of the Congress (Alexander Haliassos) and nominated the members of the Congress Organizing Committee (COC), as well as requested the nomination of the representatives of IFCC, EFLM, and IFCC Corporate members (IVD companies) at the COC.

Organization planning is on going; the congress dates have been agreed as: June 11th to 15th 2017, the local PCO is ERA Ltd.

COLABIOCLI 2015 Congress - XXII Congreso Latinoamericano de Bioquímica Clínica – Quito, Ecuador (24-26 September, 2015)

24 Symposiums, 2 plenary conferences, oral communications and posters have been programmed that will be presented by prominent professionals from diverse areas of Clinical Laboratory and Laboratory Medicine. There will be 3 pre-congress courses and 3 intra-congress courses.

The Organizing Committee supported by the International Scientific Committee has been very careful in selecting topics that incorporate the most recent advances and state of arts in Clinical Laboratory as well as subjects related to the daily routine of regional laboratories.

The 5 star-rated Marriott Hotel located on Quito's bustling commercial and touristic Avenida Amazonas in La Mariscal district is at the heart of the city. It has 5,447 sq. ft. of meeting space, 10 ballrooms, seven conference rooms, five boardrooms and one large exhibition space. Hilton Colon Quito Hotel is strategically located only 10 minutes away from the historic quarter of Quito, the first site to be classified World Heritage Site in 1978 by UNESCO.

AFCB 2015 Congress – Khartoum, Sudan, December 2015

ArabMedLab 2015 - 14th Arab Congress of Clinical Biology (AFCB) will be held in Khartoum, Sudan in December 2015. No information is available regarding the preparations for this congress.

AFCC 2015 Congress – Harare, Zimbabwe (28–30 April, 2015)

The 4th Conference of the African Federation of Clinical Chemistry, AFCCLabMed 2015, will be hosted by the

Association of Clinical Biochemistry Zimbabwe (ACBZ). The conference venue has been moved from Victoria Falls to Harare to minimize costs. The theme for the conference is “Integrating Clinical Chemistry and Laboratory Medicine in Evidence Based P4 Medicine”. This theme is very appropriate as it encompasses the Preventive, Predictive, Personalized and Participatory aspects of Medicine all of which are essential to improve patient care.

The Conference Organizing Committee (COC) has been established and the Past-President of the AFCC, Prof Vanessa Steenkamp, has been appointed as the Chair of the congress. The Local Organizing Committee has been appointed too.

The event has been noted on the IFCC Congress calendar and a letter of invitation posted on the AFCC website. First announcements were distributed in Istanbul where a booth was shared with WorldLab 2017 (Durban). This also involved networking.

The preliminary programme is being finalized and a call went out for abstracts. Titles for talks have been received from some AFCC country members.

The Scientific programme includes a number of pre- and post-conference workshops. VLP and Scholarships for young scientists to attend the conference have been granted by IFCC

IFCC Specialized Conferences

14th Roche Bergmeyer Conference – Eibsee, Germany (3-5 March 2014)

The 14th Bergmeyer Conference took place on March 3-5, 2014 at Eibsee Hotel in Grainau, Garmisch-Partenkirchen, Germany, topic: “Women’s Health”. The Proceedings of the Conference will be published in Scand J Clin Lab Invest. Prominent speakers from several countries were selected by the IFCC in collaboration with Roche.

IFCC Specialized Conference “Biomarkers in Neuropsychiatric Disorders” Toronto, Canada (24-25 October, 2014), supported by SIEMENS

The conference was held in Toronto (CA) with the support of SIEMENS and in collaboration with Canadian Society of Clinical Chemists (CSCC). Chair of Organizing Committee was Prof. Jocelyn Hicks (US) collaborating with Prof. Sergio Bernardini as Scientific Committee Chair.

IFCC Specialized Conference “Biomarkers in Alzheimer Disease”, Rome, Italy (14 November 2014), supported by ROCHE.

The conference was held at the University of Tor Vergata, Rome with the support of ROCHE. Chair of the Organizing Committee was Prof. Sergio Bernardini. The outstanding programme presented by prestigious Speakers was very well received by the attendees (100).

IFCC-ABBOTT “Turning Science into Caring” Symposium

The 7th Annual Asia Pacific and Japan Scientific Symposium “Turning Science into Caring” was held at Sheraton hotel in Saigon, Ho Chi Minh City, Vietnam on October 20-21, 2014. The theme of the meeting is “the Value of in Vitro Diagnostics (IVD)” organized by Abbott Diagnostics Division represented by Dr. Peng Yin, IFCC was represented by Prof. H Morris and APFCB represented by Prof. L Lai.

The conference program was developed with considerable input by each representative and was of an exceptional quality addressing the challenges to the current practice of laboratory medicine including the role of laboratory medicine in healthcare delivery; the public perception of laboratory medicine and interaction with the broader community as well as specific examples of laboratory medicine playing a key role in patient diagnosis and monitoring. Workshops addressed recent developments in laboratory medicine with regard to patient result interpretation and novel tests. The registrants (400) were all invited by Abbott.

IFCC General Conference

The C-CC Chair will meet with the IFCC President and other executive members during EuroMedLab 2015 Paris to consider the program and preparations for the General Conference in 2016.

Congresses with IFCC Auspices

The number of the meetings under IFCC auspices, held in 2014 are 48.

Tomris Ozben, C-CC Chair

SCIENTIFIC DIVISION (SD)

During 2014, the following members served on the SD Executive Committee: Ian Young (UK) Chair), Philippe Gillery (France) (Vice-Chair), Gary Myers (United States) (Secretary), Giampaolo Merlini (Italy), Christa Cobbaert (the Netherlands), Naotaka Hamasaki (Japan) and Joseph Passarelli (Germany) (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 2014 in Istanbul (TR) and in Milan (IT).

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. At its Executive Meeting in December 2013, the JCTLM Executive established an ad-hoc WG on JCTLM Structure. The ad-hoc Working Group was established to consider the future development of the JCTLM and prepare proposals for:

- A. Increasing the impact of JCTLM activities;
- B. Considering the need for a wider scope and opening up for the participation of other international bodies charged with professional activities in laboratory medicine;
- C. Improving the efficiency of JCTLM activities;
- D. Extended or alternative funding models for JCTLM activities.

In February 2014, twenty-three certified reference materials, 6 reference measurement methods, and 14 reference measurement services were published following the approval by the Executive Committee of nominations reviewed during WG1 cycle 10 and WG2 cycle 9.

The current status of the JCTLM database as of December 2014 was as follows:

- 318 certified reference materials (CRMs) amongst which 33 are in List II (i.e. Reference Materials value assigned using an internationally agreed protocol), and 3 are in List III (i.e. Reference Materials for nominal properties) - 167 reference measurement methods covering 81 analytes, and - 106 reference measurement services covering 37 analytes. These services were delivered by 10 reference laboratories accredited for compliance against ISO 15195 and IEC/ISO 17025 as calibration laboratories, and by 2 National Metrology Institutes (NMIs). A three day meeting of JCTLM was held December 3-5, 2014 in Paris; Business meeting of JCTLM WG 1 and WG 2 - 3 December; meeting of the JCTLM Executive Committee –December 4-5.

• Joint Committee for Guide in Metrology (JCGM)

WG2 (on the VIM) has prepared a Plan of Work describing the development of a 4th edition of the VIM (VIM4), with an extended scope to encompass a limited number of concepts related to nominal properties and the creation of “the Annotated VIM3”, an html web tool based on the content of the VIM3, complemented by annotations. The Annotated VIM3 is intended to be a living document, in that annotations will continue to be added to it by WG2 as the need arises. Each annotation, as well as each revision of the entire document, will include a publication date. The proposed timeframe for producing a first draft of the VIM4 for circulation to the JCGM Member Organizations for comment is 2018 (ten years after publication of the VIM3).

• Institute for Reference Materials and Measurements (IRMM)

Close collaboration with IRMM continues through a number of joint ventures involving SD Committees and Working Groups.

• 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. NIST SRM 927e Bovine Serum Albumin (7% solution) is now available.

- **National Institute of Biological Standards and Control (NIBSC)**

NIBSC, previously part of the Health Protection Agency (HPA), is now a new Center of the Medicines and Healthcare Products Regulatory Agency (MHRA) alongside the Clinical Practice Research Datalink (CPRD). The MHRA is an executive agency of the Department of Health, UK.

- **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. It was agreed the leadership of the SD and the EFCC Science Committee should meet formally once per year, preferably at a major conference.

EFLM has established a Working Group: Harmonising the total testing process under the leadership of Professor Ferruccio Ceriotti. The Terms of Reference of the Working Group include:

- Survey and summarize National European and Pan European harmonization initiatives.
- Promote and coordinate the diffusion of at least two especially promising harmonization initiatives among the EFLM member societies.
- Take initiatives to harmonize nomenclature, units and reference intervals on a European level.

EFLM held a meeting November 24-25, 2014 in Milano, Italy titled, "Defining analytical performance goals 15 years after the Stockholm Conference". This conference dealt with analytical performance goals and quality requirements.

- **World Health Organization (WHO)**

Philippe Gillery represented IFCC SD at a meeting of the Expert Committee on Biological Standardization (ECBS) at WHO, Geneva, 14-15 October 2014.

- **Congresses (WorldLab, Regional and other congresses)**

XXII INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE Istanbul, Turkey, 22-26 June 2014. SD had two symposia sessions during the Congress: "Standardization of Common Endocrine Tests"; Chair P. Gillery and "Clinical Utility and Standardization of Emerging and Less Common Tests"; Chair: I. Young.

The Roche Bergmeyer Conference was held on March 3-5, 2014. The topic was Women's Health.

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)

During 2014 ongoing progress towards C-NPU terms of reference included:

Term of Reference 1. Provide advice for the management, updating and publishing of the NPU terminology. **Accomplishments include:** 1) A new NPU Steering Committee was created consisting of NPU committee members and key stakeholder representatives (from the IFCC, IUPAC and user countries) The NPU Steering Committee (IUPAC subcommittee) met June 24-26, 2014 in conjunction with IFCC WorldLab, Istanbul, Turkey. The C-NPU Steering Committee held teleconferences in 2014 as follows: 29th September, 22nd August, 19th June, 7th May, 11th March and 14th January; 2) Regularly updated versions of the NPU terminology continue to be available on the IFCC website; 3) The majority of these revisions are made or co-ordinated by NPU members belonging to the Danish e-Health Authority; 4) An application for a Finnish release centre is being considered.

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: 1) Project ongoing for definition of poorly identified NPU terms - Project for establishing definitions for non-referenced terms in the NPU terminology ongoing (IUPAC Project 2010-035-700) (Chair: Helle Moller Johannessen); 2) Proposed work to map against SNOMED-CT discussed with IHTSDO, with limited success to date; 3) Silver Book revision 2 (Compendium of Terminology and Nomenclature of Properties in Clinical Laboratory Sciences) in final review (joint IFCC CPD project + IUPAC 2008-033-3-700); 4) Prepared

initial strategic plan and governance arrangements for NPU Steering Committee.

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:** 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)

C-MD terms of reference were reorganized in 2013. During 2014 ongoing progress towards C-MD's reorganized terms of reference included:

Term of Reference 1. Foster dynamic exchanges between IFCC and molecular diagnostic laboratories and industry. **Accomplishments Include:** C-MD compiled list of genetic and oncology EQA resources. Included representatives of industry to participate in a meeting on reference materials for molecular testing. Participated in various listservers in South and Central America and submitted form listing various molecular tests to various laboratories in Mexico, Central and South America. Received responses from two laboratories in Venezuela and one from Uruguay.

Term of Reference 2. Produce guidelines on clinical validation of tests, conduct and report on molecular diagnostic tests. **Accomplishments Include:** A consensus of available guidelines on molecular DX testing is available on the C-MD web page. Reviewed and commented on CEN documents including a document on TPMT (thiopurine S-methyltransferase).

Term of Reference 3. Provide reference materials; and create a network of locus-specific IFCC Molecular Diagnostics Centers. **Accomplishments Include:** Sent e-mail renewal inquiries to all centres. Four of seven centres responded and were approved for continued listing as an Expert Molecular Diagnostic Center. Renewal letters and certificates were mailed out in 2014. One unsolicited application was received.

C-Reference Systems for Enzymes (C-RSE)

During 2014 ongoing progress towards C-RSE terms of reference included:

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:** Development of a reference measurement procedure for Pancreatic Lipase. The Japanese group further refined the procedure to allow for different volumes of Reagent 1 and Reagent 2, in order to facilitate the dispensation of reagents thus improving the reproducibility of the method. Based on this refinement of the method a Standard Operative Procedure was prepared. A protocol for an experiment of method transferability involving 5 laboratories was prepared. Two fresh-frozen pools together with 2 control materials and two solutions for the photometric check were prepared and distributed to 5 laboratories [Italy, Germany, Spain, Japan and India (it was not possible to ship the frozen pools to the lab in India)]. Four out of 5 laboratories completed the experiment and the 5th will complete the work within January 2015. Unfortunately the preliminary results do not appear positive and some unexpected problems with the reagent blank occurred in 2 out of 4 labs.

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)

During 2014 ongoing progress towards C-TLM terms of reference included:

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.

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 by the German Society for Clinical Chemistry and Laboratory Medicine (DGKL) under the auspices of the IFCC for 35 measurands. The results of RELA 2013 were published on the website (www.dgkl-rfb.de:81) in May 2014. 50 laboratories participated in RELA 2013 providing 303 results. The key measurands for RELA2014 which started in October 2014 are total cholesterol, Sodium, CK, HbA1c, total protein, progesterone, digoxin, total thyroxine, and 25-OH-Vitamin D3. 'Limits of Equivalence' are added to the publication of results if at least five reference laboratories using a JCTLM listed procedure submit results.

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. In 2014 two intercomparison studies to re-approve network laboratories and to approve candidate network laboratories were conducted. Included are blind samples, old calibrators, new calibrators and controls of different batches. Blind samples are also assayed by the laboratories of the NGSP/DCCT- and JDS/JSCC and Mono-S Networks to monitor the master equations. In the past year one candidate laboratory was approved (National Center Clinical Laboratory in China). In conjunction with the IFCC Task Force on HbA1c, the network is working on a generic model for quality targets for HbA1c and organizing a worldwide survey on the implementation of IFCC standardization of HbA1c testing.

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

During 2014 ongoing progress towards C-RIDL terms of reference included:

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. (C-RIDL)
- Protocol and standard operating procedures for common use in the worldwide multicenter study on reference values. (C-RIDL)

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.

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:** Study has been completed for populations in Japan, Turkey, Argentina; Data is undergoing analysis for China, USA, Saudi Arabia, India, Nepal, South Africa, UK; Subjects to be or being recruited, or samples being assayed for Russia, Philippines, Denmark, Bangladesh, Pakistan, Nigeria, and Kenya.

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:** The Committee proposes the use of parametric analysis, with Box-Cox transformation, instead of nonparametric as proposed by CLSI to establish reference intervals. Stock of the first panel of QC sera has been depleted; therefore, a new panel composed of 100 sera was just produced with inclusion of multiple racial groups (28/100). 50 sera are for biochemistry and the other 50 for immunoassays. The new panel will be used to cross check groups in the global study, which is still growing; to transfer RIs among platforms and countries; to promote harmonization of currently non-standardized analytes; and to aid in development of a new case-record database for disease (≥ 400 samples per disease) [see CCLM 2001, Ichihara and Sato]. Value assignment will be performed by multiple laboratories and manufacturers' platforms, assaying SRM in the same runs. The mean values of acceptable results were then used for assignment.

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:** Collaboration with the C-TLM for the assignment of values to panels of sera from different ethnic population groups using reference measurement procedures.

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

During 2014 ongoing progress towards C-STFT terms of reference included:

Term of Reference 1. To develop reference measurement systems for free thyroid hormones and TSH.

Accomplishments include: The reference measurement system for free thyroid hormones was completed in 2011. For TSH a reference measurement system based on the “all-procedure trimmed mean (APTM)” calculated by Factor Analysis (FA) was established in 2013. The manuscript describing the statistical model to derive the consensus values for harmonization was published in Clin Chem Lab Med. (Stöckl D, Van Uytendaele K, Van Aelst S, Thienpont LM. A statistical basis for harmonization of thyroid stimulating hormone immunoassays using a robust factor analysis model. Clin Chem Lab Med 2014;52:965-72). 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:** FT4 concentrations were assigned to 20 frozen sera from healthy subjects by UGent. These will be made available to the partners within the Network for validation of their performance. The possible partners are: the Reference Material Institute for Clinical Chemistry Standards (ReCCS, Japan), CDC (H. Vesper), Stanford University (J. Faix) and Radboud University (T. Van Herwaarden).

Term of Reference 3. To provide an infrastructure for procurement of serum panels. **Accomplishments include:** The following medical institutions are collaborating to collect samples for use in the final method comparison (Phase IV) study: University Hospitals of Ghent, Louvain & Brussels, General hospitals Maria Middelaere (Ghent) and Sint-Jan (Bruges) (all from Belgium), Dokkyo Medical University (Japan) and University of Sydney (Australia). In addition, several commercial sources have been contacted to provide samples and prepare the sample sets: in.vent Diagnostica GmbH (Germany) - Part of the clinical samples
- Solomon Park Research Laboratories (USA) - Euthyroid samples, preparation of the sample sets for the participants. To date ~80% of all clinical samples needed for phase IV have been collected. The final method comparison will include 120 samples from eu-thyroid donors in order to define reference intervals.

WORKING GROUPS

WG-Standardization of Hemoglobin A2 (WG-SHbA2)

During 2014 ongoing progress towards WG-HbA2 terms of reference included: **Term of Reference.** To promote the standardisation of hemoglobin A2 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: A candidate reference method procedure based on isotope dilution-mass spectrometry (ID-MS) has been outlined at the MS lab in Düsseldorf. Reference material to be used as primary calibrator consists of recombinant hemoglobins (HbA0 and HbA2) whose purity and content of peptide was previously assessed in collaboration with the Physikalisch-Technische Bundesanstalt (PTB), the National Metrology Institute in Germany. Isotope labelled recombinant HbA0 and HbA2 are used as internal standards and subjected to the same digestion together with the native hemoglobins present in patient's samples. Proteolytic fragments of δ -globin and α -globin are selected as signature peptides representing either HbA2 or total haemoglobin and quantified by using reversed phase liquid chromatography coupled to tandem mass spectrometry. Preliminary data obtained by this approach seem to be very promising.

Secondary reference materials: Contacts have been made to the IRMM (Dr. Amalia Munoz) in order to plan the collection of the raw material and, eventually, their handling to produce a matrix material at the industrial level. Particularly, one Italian Company (Polymed) and one American Company (Aalto), have sent expressions of interest to the production of this material.

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

During 2014 ongoing progress towards WG-CDT terms of reference included:

Term of Reference 1. Establish a network of CDT reference laboratories that perform the HPLC candidate reference method. **Accomplishments include:** Study 6 has been completed. The main goals of study 6 were a final test on sustainability of the network laboratories and testing the success of harmonization for the CDT methods on the market. All methods delivered satisfactory results. It was concluded that harmonization (inter-method CV went down to 3.8%) and commutability was proven successfully. Formal invitations to fill gaps in the group of reference laboratories were sent to Homerton University Hospital, London (dr Deenmamode) and to Isala Klinieken, Zwolle, Netherlands (dr Slingerland). First results obtained in both candidate laboratories with

the candidate reference method are very promising. IVD companies point out they will need several months up to one year to make all the changes in their kits. Therefore the WG proposed to aim for 1-1-2015 for the formal IFCC standardization. As the unit will not change, and the results will differ less than 50% from the present results, there is a risk of misinterpretation of data produced before and after harmonization. The WG proposes to identify harmonized assays labelled as CDTIFCC and those non-harmonized assays as CDT%.

Term of Reference 2. Development of a reference material for CDT. **Accomplishments include:** A reference material has been developed as a multilevel human serum based calibrator. It is produced in sufficient amounts by dr Cas Weykamp in Winterwijk, the Netherlands. Details are described in Clin Chem Lab Med 2013;51:991 and Clin Chem 2014;60:945.

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

During 2014 ongoing progress towards WG-SAU terms of reference included:

Term of Reference 1. Establish recommendations for sample collection and handling to improve uniformity of results. **Accomplishments include:** A manuscript detailing a study to evaluate adsorption of albumin onto containers used for urine collection and urine albumin measurement has been published (Robinson MK, Caudill SP, Koch DD, Ritchie J, Horton G, Eckfeldt JH, Sandberg S, Williams D, Myers G, Miller WG. Albumin adsorption onto surfaces of urine collection and analysis containers. Clinica Chimica Acta 2014; 431: 40–45).

Terms of Reference 2. Physiologic variability of UA in stable mild kidney disease (funded by NKDEP) **Accomplishments include:** Nothing to Report

Terms of Reference 3. Status of harmonization among commercial immunoassays for UA (funded by NKDEP). The objectives of this project were 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:** The UA harmonization manuscript has been published (Bachmann LM, Nilsson G, Bruns DE, McQueen MJ, Lieske JC, Zakowski JJ, Miller WG. State of the Art for Measurement of Urine Albumin: Comparison of Routine Measurement Procedures to Isotope Dilution Tandem Mass Spectrometry. Clin Chem 2014; 60:471-480). Data analysis of commutability characteristics of the IRMM ERM DA470k/IFCC and JSCC materials is underway. Preliminary results indicate that the performance of the routine manufacturer's methods (particularly at the low end of the UA concentration range) needs to be improved to enable standardization.

Term of Reference 4. 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. NIST and Mayo conducted a method comparison measuring the same 20 patient samples along with calibrators prepared from a common CRM (NIST SRM 2925). Laboratory data is being analyzed and compared.

Terms of Reference 5. Reference materials for UA and urine creatinine (funded by JSCC and NIST) **Accomplishments include:** SRM 3666 is currently being prepared based on the specifications developed by the WG-SAU and the LWG of the NKDEP. The NIST Albumin in Human Frozen Urine standard reference material (SRM 3666) is pooled urine collected from human subjects with urinary albumin levels ranging from the following stages of albuminuria: normoalbuminuria (0-25 mg/L), microalbuminuria (25-200 mg/L), and macroalbuminuria (>200 mg/L). All four levels of pooled urine will be available frozen, in 1 mL aliquot volume. A contract to a commercial vendor for the production of SRM 3666 was awarded in September 2014. A candidate secondary urine albumin reference material prepared by the Japanese Society of Clinical Chemistry is being characterized. The material is a buffer based purified monomeric human serum albumin in lyophilized form. The assigned value (225.1 mg/L) was by transfer from ERM-DA470 using qualified immunoassay procedures.

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

During 2014 ongoing progress towards WG-PAPPA terms of reference included:

Term of Reference. Develop a reference system for standardisation of PAPPA measurement employed as marker for prenatal screening. **Accomplishments include:** Nothing to Report

WG-Standardisation of Insulin Assays (WG-SIA)

During 2014 ongoing progress towards WG-SIA terms of reference included:

Term of Reference. Improve the standardization of assays for insulin by the development of a candidate reference method and materials. **Accomplishments include:** WG activities are focused on four components to making reference sera available for distribution to manufacturers and laboratories.

1. Request transfer of aliquots with concentrations previously assigned, from Solomon Park in WA to the University of Minnesota (UofM). These aliquots have been utilized to harmonize results for some NIDDK-funded laboratories.
2. Completed collection of new serum samples (and serum pools) for assignment of IDMS values. Aliquots have been realized. These materials will also be utilized to sustain the program to harmonize results from manufacturers of insulin assays. Request transfer to the University of Minnesota (UofM).
3. Storage of aliquots in UofM. There are 10,000 or more aliquots at Solomon Park in WA, awaiting transfer to the UofM.
4. Assignment of Concentrations: To establish and validate in at least one additional laboratory a procedure similar to the LC-MS/MS candidate reference measurement procedure developed by Prof Linda Thienpont. This step is a necessary prerequisite to submitting the procedure to JCTLM for review and listing.

WG–Standardisation of Troponin I (WG-TNI)

During 2014 ongoing progress towards WG-TNI terms of reference included:

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: No further work has been done to improve the assay. The cTnI pilot study indicated that the correlation between the cRMP data measured at NIST and data from all routine assays was poor in about 50% of the samples. Candidate Secondary Reference Material for cTnI: 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 for cTnI 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 – Harmonization of Autoantibody Test (WG-HAT)

During 2014 ongoing progress towards WG-HAT terms of reference included:

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 reference materials:

- Anti β2 glycoprotein 1 (β2GP1)
 - » Long term stability and homogeneity analysis in process
 - » Homogeneity analysis
 - » Between vial homogeneity is slightly higher than expected at approx. 2% and this is currently being investigated in process
 - » Value assignment of this material is in process
- Anti myeloperoxidase (MPO)
 - » Long term stability and homogeneity analysis in process – 2 year results expected in December
 - » Value assignment in process

- Anti Proteinase III (PR3)
 - » commutability data is complete
 - » Awaiting confirmation of processing for MPO and B2 GP1 and then will progress.
 - » value assignment to be done after Anti MPO and anti β 2GP1
- Anti glomerular basement membrane antibodies (GBM)
 - » To start as the Anti MPO and anti β 2GP1 near completion

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:** Value Assignment of affinity purified IgG to B2 GP1 and MPO

- Value assignment by nephelometry and turbidimetry both has been done
- Companies are currently doing measurements
 - » MPO in progress
 - » B2GP1 in the next few months
- Value assign by UV absorption (orthogonal method) of an IgG solution in PBS
 - » IRMM wants to do a dry mass value assignment of IgG to make it traceable

WG – Quantitative Mass Spectrometry Proteomics (WG-cMSP)

During 2014 ongoing progress towards WG-cMSP terms of reference included:

Term of Reference 1. To define appropriate operating procedures to perform quantitative mass spectrometry analyses for peptides and proteins from biological fluids. *Accomplishments include:* The laboratories having developed operating procedures to perform quantitative mass spectrometry analyses for peptides and proteins shared their protocols for apolipoproteins and hepcidin measurement. It appeared that the preparation of the samples (prefractionation, trypsin digestion, clean-up) were markedly different between laboratories. These differences were not directly related to the type of analysers used but rather to different choices made by the laboratories based on previous protocols or on the literature. Each protocol has its pros and cons in terms of automation, cost, and sensitivity. To define the most appropriate operating procedures, some method comparisons will be performed. In addition, the assay performances in the Quality Assurance / Quality Control (QA/QC) Program (see below) will also help define an optimized protocol.

Term of Reference 2. To evaluate the specification and the need for reference materials for quantitative proteomics applied to clinical biology **Accomplishments include:** The specification of a reference material is currently being evaluated by members of the WG depending on the nature of the analyte of interest. For peptides, synthetic material could be employed. In this case sufficient quantity is needed to evaluate the concentration of the analyte after amino acid analysis. This approach is currently being evaluated for hepcidin. For protein analytes it is difficult to envision a primary reference material and matrix-based or “secondary” reference materials in the form of pool of human samples

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. **Accomplishments include:** The WG has designed a first version Quality Assurance / Quality Control (QA/QC) Program to determine in the different participating laboratories the: Precision, Trueness, Uncertainty, LOD, LOQ, Linearity, Parallelism, Robustness and Contamination of the MS quantitative detection of peptide/proteins in human samples. This first version was tested and determined to be too complex, using too much material and samples. A second version of this protocol is therefore being designed and will be tested. In parallel, samples to be distributed between the members participating in the QA/QC program have been collected.

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:**

This task will be feasible after completion of the QA/QC program.

WG-Parathyroid Hormone (WG-PTH)

During 2014 ongoing progress towards WG-PTH terms of reference included:

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:** The WG has deliberated further regarding the importance of implementing an internationally recognised standard for PTH (preferably IS 95/646 if commutable) and how best to achieve this has continued throughout the year. The issue was highlighted through a UK NEQAS distribution (May 2014) in which method recognition of IS 95/646

was compared with that for a highly purified PTH preparation (Peptide Institute, Japan). Recognition of PTH (7-84) was also assessed and a report prepared. A symposium presentation at WorldLab in Istanbul (June 2014) provided an opportunity to disseminate this to a wider audience.

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:** A meeting was held with colleagues from Solomon Park Research laboratories to discuss sourcing of appropriate sera and plasma for this project. Approximate costing is now available. Inclusion/exclusion requirements have yet to be established based on results of the systematic review previously undertaken by the Working Group.

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 feasibility of use of a mass spectrometric method has been demonstrated for UK NEQAS specimens, with very good agreement of mass spectrometric results with consensus mean target values achieved. However the analytical sensitivity of the mass spectrometric procedure evaluated is 10 times less than that of routine automated immunoassays.

WG – CSF Proteins (WG-CSF)

During 2014 ongoing progress towards WG-CSF terms of reference included:

Term of Reference 1. Develop an international reference material for cerebrospinal fluid (CSF). **Accomplishments include:** Based results of the first commutability study, a second commutability study has been performed in which a common calibrator (A β 1-42 peptide) was used and the candidate CRM included (neat and spiked at 3 levels). In this study, the SRM mass spec method for A β 1-42 was compared with eight different immunoassays (Innotest ELISA, Luminex, and MesoScale, and also IBL, Roche, Vitros/Saladax, ADx, Simoa). A large panel of individual patient samples was analysed together with aliquots of the CSF candidate CRM, spiked at three levels. The analyses show high correlations between the SRM method and the immunoassays, and also very good commutability of the candidate CRM, but less so for the spiked variants. From these results the WG has decided that the high-volume samples for the CRM will be pooled based on the original A β 1-42 levels, so that three different CRMs will be produced with high, medium and low levels. Establishment of a mass-spec reference method procedure for A β 1-42 in CSF.

There are five laboratories that are working on this in a collaborative effort, including the 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 β 1-42. The assays have been compared in a detailed Round Robin study. A second Round Robin study has been performed in which the master calibrator was used to test a common procedure for calibration in preparation for the value assignment of the CRM. Data from this study is under evaluation.

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

During 2014 ongoing progress towards WG-SBMA terms of reference included: 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 α 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:** The protocol for an assay comparability study of the two major clinical assays for CTX-1 has been prepared. The study will collect definitive data on the effects of specimen (serum or plasma), fasting or non-fasting and males and females presenting to osteoporosis clinics on the comparability of the results from the two manufacturers of assay reagents used by clinical laboratories for this analyte. Specimen collection is underway at two European sites. .

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 protocol for an assay comparability study of the three major clinical assays for PINP has been prepared. The study will collect definitive data on the effects of specimen (serum or plasma), fasting or non-fasting and males and females presenting to osteoporosis clinics on the comparability of the results from the three manufacturers of assay reagents used by clinical laboratories for this analyte.

WG – Commutability (WG-COMM)

During 2014 ongoing progress towards WG-COMM terms of reference included:

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:** Four WG Task Forces were formed for which activity is progressing well.

- TF1 Selecting patient specimens for inclusion in a commutability study. (Vincent Delatour, Chair).
- TF2 Qualification of measurement procedures for inclusion in a commutability study. (Heinz Schimmel and Ingrid Zegers, Co-chairs).
- TF3 Criteria to make a determination that a RM is commutable (or non-commutable). (Bob Rej, Chair)
- TF4 Statistical designs to assess commutability. (Göran Nilsson, Chair).

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:** It is expected that these concepts will be incorporated into the operating procedures for assessing commutability described in Term of Reference #1.

Term of Reference 3. Propose standard terminology to describe the degree of commutability of a reference material, taking into account its intended use. **Accomplishments include:** It is expected that proposed standard terminology will be incorporated into the operating procedures for assessing commutability described in Term of Reference #1.

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. **Accomplishments include:** No activity for this Term of Reference

Term of Reference 5: Develop educational materials regarding commutability for manufacturers, laboratories and users of laboratory results. Accomplishments include: No activity for this Term of Reference.

Term of Reference 6: Advise IFCC Committees and Working Groups on how to assess the commutability of materials on which they are working. Accomplishments include: Members of WG consulted with the WG-TNI to collaborate on commutability assessment for the reference materials being developed by that group.

Ian Young, SD Chair and Gary Myers, SD Secretary

EDUCATION AND MANAGEMENT DIVISION (EMD)

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) and in Istanbul on occasion of the WorldLab Congress. All 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 Elizabeth Frank. During 2014, 14 applications were approved from the following countries: Cyprus, Ecuador, Romania, Zimbabwe, Chile, Palestina, Bolivia, South Africa, Philippines, Russia, Greece and India. VLPs are already scheduled for 2015 and we would welcome applications from National Societies for visiting lectureships for the coming year.

COMMITTEES

C-Clinical Molecular Biology Curriculum (C-CMBC)

During 2014, the C-CMBC committee has completed the following:

1. After evaluating all applications, the following two new members were selected, replacing former members Prof M. Neumaier (previous Chair) and Prof K. Izuhara:
 - Dr. Verena Haselmann, MD, Department: Institute for Clinical Chemistry, University Medicine Mannheim, Medical Faculty Mannheim of the University of Heidelberg, Germany
 - Dr. Atsushi Watanabe, PhD, Associate Professor, Head of Division, Division of Personalized Genetic Medicine, Nippon Medical School Hospital, Japan
2. Designed and completed the C-CMBC website where general information about the course can be found: <http://www.ifcc.org/ifcc-education-division/emd-committees/c-cmbc/>
3. Published a ten years' experience on the course: Lianidou et al, Advancing the education in molecular diagnostics: The IFCC-Initiative "Clinical Molecular Biology Curriculum" (C-CMBC); A ten year experience., Clin.Chim. Acta, 2014, Sep 25; 436:5-8.
4. Prepared an official application form that was sent to all IFCC National Representatives of IFCC Member Societies, informing them about the course and asking them to express their interest. All interested members had to complete an official application form that included also further information such as local requirements to host the course. The deadline to send back the application form was June 10, 2014.
5. Held its annual C-CMBC meeting during the IFCC Congress in Istanbul, June 2014. This meeting was attended by : Dr. E Lianidou, Dr. A Ferreira-Gonzalez, Dr. A Watanabe, Ms ME Schroeder, Ms K Richter and Ms M Hofmann.
6. Organized and held the 6th Course on „MOLECULAR DIAGNOSTICS FOR BEGINNERS“, on 14th – 19th of December 2014, in Manila, The Philippines

C-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: A previously established worksheet to collect essential information (on: country, organising body, EQA, website, e-mail, contact, open to international participation, disciplines) has been sent out via the IFCC office to all National Societies. 21 National Societies responded and provided the requested information. The information received has been compiled in an EXCEL worksheet and is presently being consolidated by C-AQ members. Once finalized, the Directory of EQA services will be published on the C-AQ web site and will be a resource in providing help, guidance and contacts when setting up EQA schemes by any interested party.

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 “Principles of EQA” and “Principles of IQC”. Annette Thomas provided two new documents (“Procedure for the Planning of a new EQA Scheme” and “Pilot Design” (a planning template). Annette has still to confirm permission for C-AQ website utilization. Once provided, both documents shall be placed on the C-AQ website. The “Principles of EQA” Power Point presentation is currently being worked on and discussions with C-DL about recording the presentation will begin when this is ready.

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. The “EQA set up checklist” was finalized and was put on the C-AQ website under “Resources” in 2014.

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 has been started in 2013 and is still being worked on. Finalize the Resource Table for EQA Website in 2015.

Additional Projects: Aim: upon request of an IFCC member country, assist them to set up an EQA program by: providing expertise on EQA organisation and management, providing assistance with designing an EQA program, liaising with EQA providers and with IFCC corporate members to provide suitable materials

C-Evidence-Based Laboratory Medicine (C-EBLM)

The C-EBLM conducted a committee meeting in Istanbul Turkey.

The C-EBLM contributed a Symposium during IFCC WorldLab Istanbul 2014 and participated in portions of several other sessions. The following are specifics with C-EBLM activities: Prof. Christenson organized the following American Association for Clinical Chemistry (AACC) Symposium: selected topics in laboratory medicine: quid novi, quo vadis. Prof. C. M. Florkowski, organized the following session: clinical laboratory’s role in decision making: risk assessment and interpretation of laboratory test Individual C-EBLM Members have been active in their regions and elsewhere.

Chris Florkowski: presented on an EBLM topic at the Asia Pacific Federation of Clinical Biochemistry (APFCB) in Bali. Hernan Fares Taie: continued his excellent Iberian Laboratory Medicine Radio Station that is broadcasted in Spanish. In addition, Hernan contributed to the National Congress of Ecuador, COREBIO, National Congress of Chile and the Post- graduate Course in Paraguay. Rob Christenson, while AACC President, gave talks in Europe, Asia, Australia and throughout the US on EBLM. The C-EBLM was always discussed. As Immediate Past President of AACC, he presented talks at several US congresses.

IFCC Committee on Clinical Laboratory Management (C-CLM)

The first meeting of the C-CLM with the new Chair, has been organized in Istanbul. Participants introduced their backgrounds, expertise and current activities. The initiatives of present C-CLM were determined to further the mission of delivering clinical laboratory management standards that improve the quality of laboratory services in developing countries and what potential tasks and projects should be planned. The C-CLM continues to collaborate with WG-LEPS, DQCML Special Project and C-AQ, C-EBLM, C-DL and C-RIDL. To define and understand the primary management needs and demands of clinical laboratories in developing countries in measurable and statistical terms, C-CLM decided to implement a benchmarking project. In order to analyze the profile of management levels and define the priority areas in clinical laboratory management, a questionnaire will be designed and submitted to the members of committee.

A handbook entitled “Basic Problem Solving Techniques in Clinical Laboratory Management – Guide for Developing Regions” will be published by Q4, 2015.

C- Distance Learning (C-DL)

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

The C-DL met during the Worldlab Congress in Istanbul in June 2014 and members also attended a joint meeting with the C-IeL. JS attended the closed meeting of the C-IeL as reciprocal member to that committee.

Progress has been made in the following key areas:

- Maintained contact with Rick Import of Whitehat Communications, who works with diagnostic companies in the preparation of distance learning materials. We anticipate further contact about specific topic areas as the e-academy is developed.
- Continued involvement in the Vietnam Chemical Pathology courses for which permission to publish content on

the website has been granted.

- Continued development in mass spectrometry area of the e-academy and gap analysis with a view to seeking collaborators from industry and academia to develop educational material to fill the identified 'gaps'.
- The e-academy continues to be developed, in conjunction with Insoft, the company which has developed the IFCC website. It is envisaged that there will be a staged launch. Hopefully, the first stage will be launched around the time of Euromedlab Congress in Paris.
- Continued development of the IFCC curriculum, on which the e-academy will be based. Offers for assistance with specific specialist areas, such as Immunology have been received from experts in their fields, for which we are grateful.
- The C-DL and C-leL are presenting an IFCC symposium at Euromedlab in Paris. The session will provide an update on progress in the development of the e-academy. Janet Smith will speak on the development of the curriculum and Ronda Graves on the development of the mass spectrometry component.

WORKING GROUPS

WG-Laboratory Errors and Patient Safety (WG-LEPS)

Dr. L Sciacovell, is the 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.

WG- Flow cytometry (WG-FC)

The third course was locally organized by Andreas Spittler (Vienna, AT), from April 24-26 2014. Forty participants attended the meeting in Vienna. Program focused on regulatory T cells and microparticles.

In 2015, this course is planned to be organized again. Additionally, organization of international flow cytometry courses outside Europe is in preparation. Contacts with colleagues from Rio de Janeiro (BR), and Sao Paulo (BR), and Cordoba (AR) ended up with the option of a first Latin American Course 2015. Planning of courses for Asia will be intensified

SPECIAL PROJECTS

Developing Quality Competence in Medical Laboratories (DQCML)

The EMD remains committed to the DQCML project, chaired by Michael Thomas whose term has been extended up to the end of 2016

Term of reference

The DQCML Programme is a unifying interpretation of the Mission of the Education and Management Division (EMD), as it applies to developing countries. Through the creation of transferable educational templates it informs and supports emerging laboratory services on all aspects of quality, but especially internal quality control, external

quality assessment and those working towards laboratory accreditation with the adoption of a quality system in line with the international standard ISO 15189.

List 2014 accomplishments for this Term of Reference

- A meeting of the DQCML Project Board was held during WorldLab 2014 in Istanbul on 23rd June 2014.
- A Drop In Session was held during WorldLab 2014 in Istanbul and was attended by approximately twenty National Members and their representatives to discuss possible opportunities for support of Quality Initiatives under the auspices of the DQCML Project.
- A PowerPoint Presentation has been developed by IFCC President, Graham Beastall and DQCML Chair, Michael Thomas, which considers how DQCML and EMD may align with WHO-Afro stepwise approach to laboratory accreditation.
- As part of the 8th Conference of the Romanian Association of Medical Laboratories in Sibiu, Romania in May 2014, the DQCML sponsored two lectures given by Janet Smith on:
 - Clinical Governance And Its Relevance To Accreditation And ISO15189
 - Laboratory Errors And Patient Safety
- At the request of the Sociedad Ecuatoriana de Bioquímica Clínica (SEBIOCLI), DQCML has supported the delivery of a two-day Quality Workshop in Spanish in Guayaquil, Ecuador in November 2014. The course was delivered by Juan Antonio Rodriguez-Camacho and the DQCML is hugely grateful for the considerable help given by both Rosa Sierra-Amor and Stella Raymondo in establishing this, the first workshop delivered by the DQCML programme in Spanish.

List planned activities in 2015 for this Term of Reference

- At the request of the Sociedad Ecuatoriana de Bioquímica Clínica (SEBIOCLI), a repeat two-day Quality Workshop is to be held in Quito, Ecuador in February 2015. This will be the second of two workshops delivered in Spanish.
- Collaborative work continues to be being undertaken on distance education by engaging with initiatives such as the eAcademy with both C-DL (Janet Smith), and C-leL (Peter Vervaart). All local organisers of programs delivered under the auspices of DQCML are now requested to provide some form of electronic record that can be used in distance education.
- Requests for assistance by the following National Societies will be pursued during 2015 following previous expressions of interest:
 - Association for Clinical Biochemistry Sri-Lanka
 - Clinical Chemists Association of Kenya
 - Ukrainian Society of Clinical Laboratory Diagnostics
- Whilst having no formal responsibility for sub-Saharan activities, DQCML will also continue to provide support where requested to the following:
 - A Mentoring Programme under the direction of IFCC Past President, Donald Young
 - The EQA Project established in Zambia under the direction of Dr Renze Bais.
 - Logistics and support for an educational seminar to be scheduled for 2015.

Maurizio Ferrari, EMD Chair

COMMUNICATIONS AND PUBLICATIONS DIVISION (CPD)

During 2014, following members served on the CPD Executive Committee: Khosrow Adeli (CA, Chair), Edgard Delvin (CA, Vice Chair/Public Relations Coordinator), Peter Vervaart (AU, Publications/Distance Learning Coordinator), Tahir Pillay (ZA, News Editor), G. L. Kovács (HU, Editor eJIFCC), and Bruce Jordan (CH Corporate Representative). Anthony Newman (NL, Publications consultant), Maria del Carmen Pasquel (EC, WG- IANT Chair); Ellis Jacobs (US, IFCC Labs are Vital representative and Past CPD chair), Janine Grant (AU, Website Editor) were invited to attend the CPD meetings.

- Three face-to-face committee meetings were held in 2014: Rotkreuz, (CH) in March, Istanbul (TR) in June, Adelaide (AU) in October.
- CPD organized a very successful journal editors and publishers meeting during the recent IFCC WorldLab congress with more than 25 journal representatives in attendance from several IFCC member countries
- Major improvements have been implemented for both the IFCC eNewsletter and the eJournal. Publication formats as well as news/scientific content have been enhanced considerably over the past year.
- A CPD symposium was organized at the ICCCLM 2014 in Istanbul on “Peer Review and Ethics in Publications in the Electronic Age”, attended by more than 20 editors and publishers.
- A new contract has been signed with Insoft Digital to ensure support and maintenance of the IFCC website.
- A new website editor (Janine Grant, Australia) has ensured continued improvements and updates to the IFCC website.
- A new chair of the WG IANT, Dr Maria del Carmen Pasquel, began her first term.
- The Election Buddy voting platform, selected by the CPD, supported both EB members for 2015-2017 time in office elections in January 2014, and a Ballot on Regional Representation on the IFCC Executive Board in September.
- The 2015-2017 version of the Handbook is currently under development by the IFCC Office and will be available on both a USB stick and the website.

C-Public Relations (C-PR)-Chaired by Dr. Edgard Delvin

There has been one C-PR meeting in Istanbul in June, to which all the Committee Members, as well as some of the Corresponding Members and Federations Advisors were in attendance; in September 2014 the EFLM nominated Dr Graziani, replacing Dr Webster who had resigned in 2013.

PR Deliverables

The brochures “Understanding Laboratory Medicine” and the IFCC Brochure, as well as the “Laboratory Medicine” slide kit have been revised and updated for the 2015-2017 edition.

The new template has been adopted for the slides presentation and it is continuously updated by the IFCC office.

LABS ARE VITAL Consortium

Several new blogs have been submitted to Kapler Communications for publication on the web. Each article is to be reviewed by Richard Kent's team, before going online.

The overall perception is still that the Labs are Vital Proposal website is not visible and that there is a communication problem. In September 2014 the National Societies individual members have been encouraged to login the LRV website and participate to the discussions on the posted blogs.

Thanks to Ellis Jacobs suggestions, visibility to the LRV initiatives for the Pathology Day celebration has been given via the IFCC website, and on the IFCC eNewsletter.

Task Force on the Impact of Laboratory Medicine on Clinical Management and Outcomes (TF-ICO)

In agreement with Mike Hallworth, the TF-ICO chair, the data coming from an article on the impact of clinical laboratory on patient care and on cost/benefits stemming from the research that the group had performed, will 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, and commented as a blog, if in line with the mission of the LAV consortium.

Worldwide visibility of IFCC

In order to increase the worldwide visibility of IFCC Committees, WG and task forces, at different levels (National Associations, Regional Federations, Professional Associations, Decision makers) the C-PR is evaluating the possibility that its 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.

C-Internet and e-learning (C-IEL)-Chaired by Dr. Peter Vervaart

The C-IEL continues to work closely with the Committee for Distance Learning and Insoft in developing electronic/distance learning materials and access for IFCC members utilizing the 'e-Academy'. 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-IEL, C-DL will continue to work on the development of the eAcademy with the aim of releasing Stage 1 of the eAcademy at the EuroMedLab meeting in Paris. The proposal from Insoft has been discussed and has been accepted with some modifications and will be implemented for the Paris release.

The IFCC LinkedIn group continues to grow (>2100 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 but now has >1000 members and >2200 likes. We also have a Twitter account and the Social Media Coordinator continues to tweet about IFCC activities.

E. Freggiaro, P. Kocna and H. Sakamoto have been proposed to extend their position for a second term.

Website

The website continues to develop under the tutelage of Insoft, our website vendor. After the responsive layout page formatting (which means that the content is properly sized whether viewed on a PC, tablet or smart-phone), the next enhancements will be the new Events calendar format.

The Policy and Procedure guidelines for IFCC functional unit web pages are currently in preparation and will be available for the Paris meeting.

The 'Register of Experts' database is available to trial group of national societies before being expanded to all IFCC members: a decision will be taken during the current EB meeting. The NPU database continues to be uploaded on a monthly basis.

Publications

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

Silverbook

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.

WG-Electronic Journal of the IFCC (WG-eJIFCC)-Chaired by Dr. Gabor Kovacs

Membership

Dr. Bruce Jordan (Switzerland), Dr. Maria D. Pasic (Canada) and Stacy E. Walz (USA) were invited to join the EB of eJIFCC. Previously they were all successful guest editors of previous issues.

Volumes of eJIFCC in 2014:

Three volumes of eJIFCC have so far been published in 2014. A fourth volume is planned before the end of the year.

- Volume 25 n. 1/2014 themed issue: "Focusing on men's health"; guest editors: Maria Pasic, Vathany Kulasingam and Eleftherios P. Diamandis (Canada). This was the first issue of eJIFCC that was published with the support of Insoft Digital.
- Volume 25 n. 2/2014 themed issue: "PoCT"; guest editor: Ellis Jacobs.
- Volume 25 n. 3/2014 themed issue: "Peer review and ethics in publication"; guest editor: Khosrow Adeli.

[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/)

Committee on Publication Ethics

In 2014 eJIFCC submitted the application to the Committee on Publication Ethics (COPE) and was accepted. 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.

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.

The first application phase was successfully completed and as requested PubMed Central has been sent 50 sample articles in XML format. The articles have been selected by the eJIFCC editor, reformatted as XML files and submitted to PMC for their evaluation.

World Association of Medical Editors (WAME)

Upon the recommendation of Prof. Khosrow Adeli and Prof. Mario Plebani, Gabor L. Kovacs, the editor of eJIFCC was accepted as a member of WAME.

WG-IFCC News (WG- eNews)-Chaired by Dr. Tahir Pillay

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 collection is available at: [http://www.ifcc.org/ifcc-communications-publications-division-\(cpd\)/ifcc-publications/enewsletter/enewsletter-volumes/](http://www.ifcc.org/ifcc-communications-publications-division-(cpd)/ifcc-publications/enewsletter/enewsletter-volumes/)

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.

There are currently 25 representatives in the working group, of which 9 are national society liaisons. The working group continues to meet on a formal basis, either at Euromedlab or at Worldlab. The 2014 meeting took place in Istanbul and was attended by 8 members. The discussions centred around the format of the IFCC-eNews and there were a number of recommendations made by the working group. These included separating the items into sections, the potential benefit of translating articles into Spanish and more information on the structure and function of IFCC, as well as dissemination of the eNews and corporate representation on the working group. The next meeting of the working group will take place in Paris at Euromedlab in 2015.

The editor of the eNews has completed 24 months of his first term. The eNews has continued to appear bi-monthly and the format of the newsletter was significantly overhauled towards the end of 2013. In 2014, the formal contract with Insoft Digital was initiated, with the newsletter being offered in the new digital “flipbook” format, as well as the traditional PDF, accompanied by changes in the design and layout. The eNews continues to feature a wide variety of items on the IFCC and the member countries of the IFCC. We have continued to offer the traditional HTML and PDF versions of the newsletter so that readers with low bandwidth can still access the newsletter. Requests for news items are sent out regularly to societies to adhere to the publication deadlines ensuring a steady stream of articles. The reminders go to all eNewsletter WG members, National Societies liaisons and National Representatives and Division Chairs (through the IFCC Office). In the 6 issues of 2014, an excellent variety of news items has been featured. The new format has encouraged the submission of items such that the number of contributions has grown substantially, to the extent that rigorous editing has become necessary, as the size of the eNews has grown considerably. A regular and popular feature of the newsletter is still the IFCC Young Scientists task force and the PSEP reports from awardees, as well as the IFCC Travel Scholarships to attend Worldlab. This has helped to highlight the contribution of the IFCC to international clinical chemistry across the world. The President of the IFCC has been a regular contributor, with the latest contribution being on International Pathology day.

WG-Spanish (Ibero-American) Nomenclature and Translations-Chaired by Dr. Maria del Carmen Pasquel

The WG has a new Chair, Dr Maria del Carmen Pasquel and new programs and initiatives are presently planned, mainly focused on the update of the RIA section of the website and on the next congress to be held in Quito, Ecuador, in 2015.

El Microscopio

The programmes are regularly broadcasted and some of them are in English, for a broader circulation. This successful initiative is in search of additional funding and tools for promotional purposes.

Corporate Member Activities-Dr. Bruce Jordan

Bruce Jordan (Roche Diagnostics) is a very active participant in the CPD EC and has provided great support materials for IFCC public relations documents such as slide kits and brochures.

His recent activities have included:

- Hosting the IFCC CPD in Rotkreuz March 2014 & and IFCC presenting at a Lunch & Learn
- Supporting IFCC CPD meeting logistics at F2F in Adelaide
- Supporting the eJIFCC as Guest Editor for themed issue 3-4 2013 (published in February 2014) “The Role of Clinical Laboratories in Personalized Healthcare” and with an article for Vol 4 2014.
- Supporting the IFCC Specialized Conference on Biomarkers in Alzheimer Disease (Rome, November 2014)

Khosrow Adeli, CPD Chair

TASK FORCES

Task Force on Ethics (TF-E)

Achievements during 2014: 1. Survey on teaching of ethics completed and manuscript submitted for publication. 2. White paper on publication ethics translated into several languages. 3. The eJIFCC has applied for membership of COPE. 4. Membership of TF-E refreshed with four new members. 5. A range of projects agreed for the future. Plans for 2015: 1. Update the white paper on publication ethics on the IFCC website with more links to regional and local resources. 2. Produce a draft chapter on Ethics for the IFCC Handbook. 3. Create a symposium proposal for future IFCC congresses. 4. Create ethics teaching modules for the Clinical Chemistry Training Council website. 5. Create an ethics ‘toolbox’ for Member Societies.

David Bruns (outgoing Chair); Ann Gronowski (incoming Chair)

Task Force on Paediatric Laboratory Medicine (TF-PLM)

Achievements during 2014: 1. Highly successful XIIIth International Conference of Paediatric Laboratory Medicine in Istanbul with >200 participants from 40 countries. 2. Update of TF-PLM website. 3. Membership of TF-PLM refreshed with three new members. 4. A range of projects agreed for the future. Plans for 2015: 1. New project on paediatric reference intervals to be progressed in collaboration with Scientific Division. 2. New project on guidelines for reporting critical values. 3. Start planning for the XIVth International Congress of Paediatric Laboratory Medicine. 4. Upgrade to the TF-PLM website.

Vijay Laxmi Grey (outgoing Chair); Michael Metz (incoming Chair)

Task Force on Pharmacogenomics (TF-PG)

Achievements during 2014: 1. Article entitled ‘Clinical application of pharmacogenetics: Where are we now?’ published in e-JIFCC. 2. Discussion of the European Medicines Agency (EMA) guideline on pharmacogenetics. 3. Start European Clinical Implementation Consortium (Eu-PIC) in collaboration with the European Society for Pharmacogenomics and Theragnostics (ESPT). 4. Submit multi-centre HORIZON 2020 grant application on pharmacogenomics. 5. Membership of TF-PG refreshed with one new member. 6. Article published in The Pathologist.

Plans for 2015: 1. Expand membership and role of Eu-PIC. 2. Publish the guideline on TPMT. 3. Progress guideline on CYP2C19 with cardiologists. 4. Progress guideline on CYP2D6/tamoxifen with oncologists. 5. Contribute to symposia at EuroMedLab 2015 Paris and the IFCC/ESPT conference in Budapest. 6. Investigate scope for further collaboration with EMA, EFLM and molecular diagnostics companies.

Ron van Schaik (Chair)

Task Force on Chronic Kidney Disease (TF-CKD) (joint with WASPaLM)

Achievements during 2014: 1. Recruitment of 19 Corresponding Members to TF-CKD. 2. Commencement of several national initiatives on CKD led by Corresponding Members. 3. TF-CKD meetings held in Istanbul and Chicago. 4. TF-CKD members contributed to symposia in Istanbul and Chicago.

Plans for 2015: 1. Promote the use of the KDIGO 2012 CKD clinical practice guidelines amongst IFCC Members. 2. Produce a summary of the KDIGO guidelines for ease of use. 3. Encourage IFCC Members to collaborate with their national clinical organisation for CKD. 4. Highlight the importance of assay quality (especially creatinine) in

supporting quality CKD testing programmes. 5. Seek opportunities to present symposia on CKD at forthcoming IFCC Regional and WASPaLM meetings.

Graham Jones (Chair)

Task Force on Implementation of HbA1c Standardisation (TF-HbA1c)

Achievements during 2014: 1. Update to the IFCC/IDF/ADA/JDS Consensus Statement on reporting HbA1c published. 2. Article entitled 'Interpretation of hemoglobin A1c values' published in JAMA. 3. Revision of WHO/IFCC guidelines on the monitoring and diagnosis of diabetes awaiting publication. 4. Article entitled 'Investigation of two models to set and evaluate quality targets for HbA1c: biological variation and sigma-metrics' submitted to Clinical Chemistry. 5. Re-approval of 18 network laboratories for HbA1c measurement. 6. Distribution of IFCC/WHO/IDF survey on the international use of HbA1c.

Plans for 2015: 1. Symposia being organised in association with EuroMedLab 2015 and the IDF 2015 annual meeting. 2. IFCC/WHO/IDF survey results to be analysed and published. 3. Study to be commenced looking at the effect on patient care resulting from the change in reporting HbA1c in percent units to SI units. 4. Collaboration with colleagues in China to improve the quality of HbA1c measurement and interpretation. 5. Update of the terms of reference and membership of TF-HbA1c.

Garry John (Chair)

Task Force for Young Scientists (TF-YS)

Achievements during 2014: 1. Monthly meetings of core TF-YS group using social media. 2. Open meeting of TF-YS in Istanbul. 3. Education session held in Istanbul and Jodphur. 4. Plans developed to upgrade TF-YS website. 5. Video presentation developed to show work of TF-YS. 6. Expansion of Corresponding Members to 20 countries. 7. Articles published in IFCC News, APFCB News, ACBI News, LabMedica and 'The Pathologist'.

Plans for 2015: 1. Educational sessions to be presented at AFCC Congress (Harare), EuroMedLab 2015 (Paris), WASPaLM Congress (Cancun). 2. Stage two of upgrade of TF-YS website. 3. Progress with the 'White Book' as a support for YS in laboratory medicine. 4. Development of subcommittees to deal with education, publications, website and social media. 5. Survey to assess the global education and training requirements of YS.

Pradeep Kumar Dabla (Chair)

Task Force on Clinical Applications of Cardiac Biomarkers (TF-CB)

Achievements during 2014: 1. Publication of two educational documents on high sensitivity troponin, analytical and clinical on the IFCC website. 2. Publication as monographs of condensed versions of the documents in a special issue Clinical Biochemistry. 3. Reorganisation of the method of working of TF-CB.

Plans for 2015: 1. Collaborate with TF-POCT to support a scientific meeting at the WASPaLM congress in Cancun. 2. Commence a project with TF-POCT on the challenges of POCT for troponin. 3. Commence a project on the use of cardiac biomarkers in non-acute coronary syndromes. 4. Commence a project on the use of cardiac biomarkers in non-cardiac surgery to recognise post-operative myocardial infarction.

Jordi Ordoñez LLanos (Chair)

Task Force on Point of Care Testing (TF-POCT)

Achievements during 2014: 1. Successful first POCT scientific meeting held as satellite to IFCC WorldLab in Istanbul. Presentations posted on IFCC website. 2. Document entitled 'Thinking of POCT – things to consider' published on IFCC website. 3. Working Group established on 'How should glucose meters be evaluated in critical care?' 4. Links established with Task Force on Cardiac Biomarkers to consider joint work on POCT for cardiac biomarkers. 5. Article published in 'The Pathologist'.

Plans for 2015: 1. Run POCT scientific meeting in association with WASPaLM congress in Cancun. 2. Develop an adverse events database for POCT. 3. Develop educational material to support blood gas measurement. 4. Collaborate with EFLM to produce guidelines on the frequency of quality testing of POCT. 5. Consider collaborative project on how POCT can drive global health. 6. Explore future projects on POCT for HbA1c and troponin.

Rosy Tirimacco (Chair)

Task Force on the Impact of Laboratory Medicine on Clinical Management and Outcomes (TF-ICO)

Achievements during 2014: 1. Manuscript entitled 'Current evidence and future perspectives on the impact of laboratory medicine on patient management and outcomes - towards patient-centred laboratory medicine' accepted for publication in *Clinical Chemistry*. 2. Symposium talk in Istanbul. 3. Special issue of *e-JIFCC* to be published in early 2015. 4. Article published in *The Pathologist*.

Plans for 2015: 1. Close TF-ICO on recommendation of Chair. 2. Executive Board to reconsider how IFCC may best contribute to promoting the clinical effectiveness of laboratory medicine.

Mike Hallworth (Chair)

Task Force on Proficiency Testing (TF-PT)

Achievements during 2014: 1. Formation of TF-PT and initial meeting in Istanbul. 2. Definition of future work streams. 3. Meeting with EQALM to discuss collaboration.

Plans for 2015: 1. To create an on-line database that will interactively link our colleagues, final users of the tests, with PT providers, IVD manufacturers, accreditation bodies etc. and will facilitate the search for a PT scheme for "rare" esoteric or new analytes, or the introduction of a new one if needed. 2. To develop effective working relationships with other IFCC committees for analytical quality (C-AQ), traceability in laboratory medicine (C-TLM) and nomenclature, properties and units (C-NPU).

Alexander Haliassos (Chair)

ORGANIZATIONS (REGIONAL) AFFILIATED WITH IFCC

There are five main Regional Professional Laboratory medicine federations 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

Regional Federations' Annual Reports can be found in following pages.

FEDERATIONS

AFCC - African Federation of Clinical Chemistry



At present the membership comprises of the following countries namely: Kenya, Nigeria, South Africa and Zimbabwe all of which are full members of IFCC. Potential members which are not yet very active consist of Tanzania, Ghana, Ethiopia, Malawi, Rwanda, Egypt, Sudan, Tunisia and Morocco. Efforts are being made to bring on board the potential countries through contacts from those countries that we hope will bring together individuals to actualise our plan.

AFCC has been playing a major role in to promoting interaction between Clinical Chemists in Africa. This includes exchange academics between African countries and other developed countries, identification of areas of concern in Clinical Chemistry that require attention which will lead to improvement of patient care. Regular organization and good participation in the training of young scientists in Laboratory Management, will definitely enhance improvement in service delivery from laboratories in Africa the very near future. The Federation has provided African countries with the opportunity to organise and attend annual national and regional meetings with support from IFCC. Our current major challenge is membership derive which we are pursuing rigorously.

Two members of the **Association of Clinical Chemists of Nigeria** are corresponding members of two IFCC committees- Distance Learning and Communication and Publication (CPD), three others are full members of IFCC Task Force on Young Scientists, Clinical Laboratory Management and Molecular Biology, one member is in the IFCC e-news working committee, two members are currently mentees in the mentorship program of the IFCC.

ACCN has supported all AFCC Congresses by attending in large numbers. Number of members attending Conferences and workshops of the IFCC as well as SAACB has also increased tremendously. Six members including a young scientist participated at World Lab Congress in Istanbul Turkey and 5 posters were presented. There is increased mobilization of members especially among the young Scientists and the number of young members is increasing. The President of AFCC Prof AB Okesina represented AFCC and ACCN at the First International Pathology Day Workshop in London, organized by Royal College of Pathologists on the 5th of November 2014. The Vice President and President Elect of Royal College of Pathologist, Dr Suzy Lishman was happy for honoring her invitation.

One member of the **Clinical Chemists Association of Kenia** (CCAK) was nominated by the IFCC EB to be a member of the IFCC Task Force on Ethics (TF-E), six members of CCAK attended World Lab2014 in Istanbul, two of them were Young Scientists sponsored by IFCC and AFCC Travel grants both presented scientific papers, one member was sponsored by IFCC to participate in the Viral Load and Molecular diagnostics in Africa Symposium.

The **Zimbabwe Association of Clinical Biochemists and Lab. Medicine** (ZACB) held a successful Molecular Diagnostioc ' Hands On ' Workshop from 10-13th June 2014 in Harare. Two Experts from the IFCC (Professors Ferrari and Fortina) and 3 from the ZACB lead by Dr Nyasha Chinombe, participated on the programme. Of the 60 participants who attended, 35 of them received training in practical molecular techniques. Three members attended and participated on IFCC WorldLab Istanbul 2014. Two of them were Young Scientists who presented scientific papers on Prostate cancer and Omega-3 in Child Health.

AFCB - Arab Federation of Clinical Biology



The AFCB Action Plan, ongoing with the IFCC support, includes: continue the education program for young scientists in the field of molecular biology with the support from the IFCC, reinforce the education program in Quality Assurance and Quality management, continue the governmental process for updating and modernizing local legislations and regulations pertinent to the specialty of laboratory Medicine, promote the culture of Quality Assurance and work with concerned governmental bodies to implement national Quality Assurance Programs in both, public and private sectors, foster the involvement of AFCB in international activities through IFCC, encourage and promote the participation of scientists from Arab countries in scientific activities at the regional and international levels, improve the AFCB website continue to hold the ArabMedLab once every three years in one of the Arab towns and find a way to help the host country. The 2014 EB Meeting took place on 6th June 2014 in Rabat, Morocco, the main discussed issues were the 14th ArabMedLab which will be held in Khartoum - Sudan in December 2015 and the venue for the 15th ArabMedLab

APFCB – Asia-Pacific Federation of Clinical Biochemistry and Laboratory Medicine



The APFCB has 16 Member societies, 17 Corporate members and 4 Affiliate members. A Memorandum of Understanding (MoU) between APFCB and World Association of Pathology and Laboratory Medicine (WASPaLM) was renewed on 27 August 2014. PAMET celebrated their Golden Anniversary and 50th Annual Convention from 1st to 3rd December 2014 in Manila.

APFCB Education and Laboratory Management Committee (C-ELM)

The APFCB TL for 2013/14 was Associate 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, during the APFCB Congress in Bali in October 2013, in Hong Kong at the HKSCC 13th ASM 11 January 2014; in Taipei during the CACB ASM 15 March 2014; in Australia at the AACB 52nd Annual Scientific Meeting, Adelaide 27 October 2014.

Prof Howard Morris, (Vice President of IFCC) of the University of South Australia and South Australia Pathology has been nominated to be the IFCC-Abbott Visiting Lecturer for 2015/2016. His topic is Vitamin D and Bone Metabolism.

For the Clinical Comments Interpretation Program, total of seven cases were sent to participants in 2014.

The Webpage is being populated with QA/QC material with support from Randox.

The APFCB Pre-analytical Working Group has been formed and will work with the Pre-analytical working group of EFLM.

Four APFCB-Abbott scholarships of USD 2,000 each were awarded for participation in the IFCC WorldLab Congress in Istanbul, 22 till 26 June 2014. Two APFCB-AACB scholarships of SGD 2,000 each were awarded to participate in the AACB Congress in Adelaide, Australia, 27 till 29 October 2014.

The Education and Laboratory Management Committee also organised the APFCB-sponsored symposium on Awareness of Environmental Impact of Clinical Laboratories at the IFCC WorldLab Congress in Istanbul.

Scientific Committee (C-Sc)

The following Asia-Pacific countries have completed their study on the global study on reference valuee: China, India , Philippines; the following Asia-Pacific countries have joined the study: Pakistan, Malaysia, Nepal and Bangladesh.

The Group for the Regional project for harmonisation of mass spectrometry-based steroid assays, develop recommendations to support the harmonisation of testosterone analysis by LC-MS/MS. Moreover urine steroid metabolomic studies by gas chromatography mass spectrometry have been performed to aid the diagnosis of disorders of sexual development in Vietnamese children.

Communications Committee (C-Comm)

The APFCB e-News 2013 is available online on the APFCB website. The next issue APFCB e-News 2014 will be released in the first quarter of 2015. The APFCB website was launched in 2011 and is being maintained by the Communications Committee.

Congress and Conferences Committee (C-CC)

The dates for the APFCB Congress 2016 are confirmed as 26-29 November 2016. The venue is the Taipei International Convention Center, <http://www.apfcbcongress2016.org/>.

COLABIOCLI – Latin American Confederation of Clinical Biochemistry



From January to April 2014, four EB meetings have been held in Buenos Aires. At the same, the proposed strategic plan for PAHO was completed, activities were diagrammed for the year 2014 and the courses that were issued were defined through institutional virtual platform: Topics statistical and metrology for the clinical laboratory, Diagnosis and monitoring of HCV infection, Gestational Diabetes diagnosis and monitoring, Biochemistry and pathophysiology of thyroid function.

From 2 to 4 May 2014, the EB participated to the XII Ecuadorian Congress and VIII International Clinical Biochemistry “Dr. Viteri José Romero”. On May 5 was performed a meeting of the Executive Committee with the participation of the Committees Organizing and Scientific of XXII Latin American Congress of Clinical Biochemistry to be held in September 2015 in Quito (Ecuador).

From 5 to 7 June 2014, the EB was invited by the Scientific Committee of “the 7th Expo 2014 Congress Biochemist Rosario (Argentina).

From 4 to 6 September 2014, the EB was invited by the Bolivian Society of Clinical Biochemistry in the First International Congress of the Bolivian Society of Clinical Biochemistry, the XXX National Conference of the Bolivian Society of Clinical Biochemistry and Departmental Seminar II of the Bolivian Society of Clinical Biochemistry Branch Santa Cruz.

From 9 to 11 October 2014 was held in Quito (Ecuador) the XVII Congress of FEFAS and III Congress of the College QF-BF.P. This event served as a prelude to the “XXII Latin American Congress of Clinical Biochemistry” to be held in this beautiful city from 24 to 26 September 2015. Representing COLABIOCLI attended by President Carlos Daniel Navarro and Vice President Roberto Ricardo Garcia, who besides participating as speakers on topics related to the management of the laboratory, the reality of the profession in the region and the BACOVA program of Biochemistry Argentina Foundation.

From 22 to 25 October 2014, it was developed in the city of Maracaibo (Venezuela), the “XVI Venezuelan Congress of Bioanalysis - bioanalyst Researcher and Constructor of Citizenship”.

From October 31 to November 3, 2014 was held in Santa Marta (Colombia), the 14th International Congress of the National Association Bacteriology of Colombia, it was developed in the Estelar Santamar Hotel & Convention Center and attended more 1300 registered.

In the context of the “Second Conference on Faculties of Forming of Biochemist and equivalent degrees”. Santa Marta (Colombia) November 1 was held the “Second Conference on Forming Faculty of Biochemists and equivalent degrees” which was attended by representatives of the Faculties of Health Sciences of Colombia, representatives of Bolivia, Paraguay and Argentina and colleagues of Peru. In the same was exposed the reality of the undergraduate and graduate training in the region, was read the proposal sent by Venezuela regarding advance the study and consensus of the curricula and the creation of a network of trainers Latin American Schools of biochemical and equivalent degrees. As important conclusions include the signing of a letter of intent to support the proposal for the Latin American and accept the call of Venezuela for the III Conference, which will be held on 23 and 24 April 2015, in Caracas (Venezuela).

EFLM – European Federation of Clinical Chemistry and Laboratory Medicine



EFLM is an organization with 40 NS members, it represents almost 22,000 laboratory specialists in Europe. EFLM held its Seventh General Assembly (GA) during the 3rd EFLM-UEMS Joint Congress in Liverpool (UK), on Tuesday, 7 October, 2014; in this meeting the EFLM Strategic plan for 2014-2015 has been presented. EFLM EB has launched a working group on Harmonization whose aim is to promote the use of harmonized nomenclature for analytes, common reference intervals and the use of amount of substance units in the European countries. Moreover EFLM has decided to create a Task Force on Performance Goals in Laboratory Medicine (TF-PG).

Committee – Communications (C-C)

To improve the communication towards its Member Societies, regular notes were sent to the Presidents and National Representatives to involve them actively in the EFLM projects. Particular attention was dedicated to the liaison with IFCC, contributing regularly to the IFCC e-Newsletter with reports about the main EFLM activities.

Committee – Education and Training (C-ET)

C-ET has produced Guidelines for EFLM-UEMS joint congress, and has prepared the EFLM Speakers Bureau. C-ET is promoting active participation of young scientists in EFLM events through a number of EFLM bursaries. WG-Distance education (WG-DE) has been re-established and has produced two e-seminars in 2014. C-ET has been involved in the organization of several meetings (14th EFLM Course in Dubrovnik; 10th Symposium for Balkan region; 3rd EFLM-UEMS joint congress; 1st EFLM Strategic Conference). Educational materials (PPT presentations, abstracts, e-seminars) arising from these EFLM events have been made available on the EFLM website.

Committee – Profession (C-P)

Working Group on Common Training Frameworks and Syllabus (WG-CTF) has progressed well with compiling version 5 of the EC4 syllabus for education/training in laboratory medicine, further drawing of parallels with UEMS' Blue Book will be welcomed in 2015. Working Group on the Recognition of Professional Qualifications (WG-RPQ) continues to liaise via CEPLIS with the EU Commission in seeking guidance on the content and presentation of a Common Training Framework (CTF) for science and pharmacy trained specialists in laboratory medicine.

Committee – Quality and Regulations (C-QR)

Two working groups within this Committee interrelate in many aspects. The WG Accreditation and ISO/ CEN Standards (WG-A/ISO) focuses on influencing activities in ISO TC212 and CEN TC140. This relates to standards on quality management, risk management, POCT, measurement uncertainty, pre-examination aspects and others. Furthermore, it works on composing European Guidelines relating to these fields. Instances are: use of flexible scope by accreditation bodies, retention time, and implementation of reference values.

Committee – Science (C-S)

The eight working groups (biological variation, cardiac markers, guidelines, harmonization of the total testing process, patient focused laboratory medicine, personalized laboratory medicine, postanalytical phase, test evaluation) and two task and finish groups (laboratory testing for dyslipidemia and critical results) constitute the backbone and substance of the Science Committee.

FULL MEMBER SOCIETIES

AUSTRALASIA

AUSTRALASIAN ASSOCIATION OF CLINICAL BIOCHEMISTS



National meetings		
Name of the meeting	Date	Topic
Harmonisation Workshop - Sydney	30 April-1 May	Common Chemical Pathology Reference Intervals for Australian Laboratories
AACB Scientific Education Seminar - Sydney	2 May	The Barriers to Community POCT
AACB Annual Scientific Meeting - Adelaide	27-29 October	Clinical Biochemistry Supporting P4 Medicine Invited overseas speakers included Steven Wong (USA), Khosrow Adeli (CA), Sten Westgard (USA), Sunil Sethi (SG), Rossa Chiu (HK)
Satellite Meeting post AACB Annual Conference - Adelaide	30 November	Quality Control - Part 2 Harmonisation of Approaches to Establish a Laboratory QC Policy
Satellite Meeting post AACB Annual Conference - Adelaide	30 November	Developing the tools to promote the "Value of Pathology"

Education
<ul style="list-style-type: none"> • RCPA AACB Chemical Pathology Course – Sydney, 10 – 14 February – covered exam curriculum topics for both the AACB and RCPA. • State based CPD tutorials for MAACB and FAACB exam candidates • State based monthly scientific meetings • Roman Lectures – Assoc Professor Graham Jones FAACB – “Adventures with Creatinine and eGFR”. • Monthly webinars from February – November 2014 covering AACB Curriculum related topics • Management of Laboratory Services – Sydney, 1 -3 December – workshop on laboratory management topics in conjunction with the University of NSW.

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
XIIIth International Congress of Paediatric Laboratory Medicine - Istanbul	June 2014	Sponsored Dr Ronda Greaves to speak in the Reference Intervals Symposium – topic – Hormone Profiles in Extremely Premature Infants

Regional relations
<p>APFCB – AACB members on a number of APFCB committees both in chair and member roles:</p> <p>Education and Laboratory Management Committee Tony Badrick – Chair Graham Jones – Corresponding member</p> <p>Scientific Committee Ronda Greaves – Member Graham Jones – Member</p> <p>Congress and Conferences Committee Peter Graham - Secretary</p>

International relations

AACB members contributing to IFCC in 2014:

Executive Committees

Howard Morris	Executive Board, Vice-president and Awards Committee
Peter Vervaart	Communications & Publications Division, Publications & Distance Learning Coordinator
Leslie Burnett	Nominations Committee

Task Force Membership

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

Committee Membership

Chris Florkowski	Evidence Based Laboratory Medicine
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
Jill Tate	Standardisation of Cardiac Troponin I (Chair)
Renze Bais	Allowable Errors of Traceable Results (Chair)
Howard Morris	Standardization of Bone Markers Assays (Chair)

Working Group Membership

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 (Secretary)
Samuel Vasikaran	Standardization of Bone Markers Assays
Rob White	How should Glucose Meters be Evaluated for Critical Care

Corresponding Membership

James Davidson	WG-Standardisation of Growth Hormone Standardisation of Albumin Assays in Urine
Graham Jones	C-Reference Intervals & Decision Limits C- Traceability in Laboratory Medicine
David Gillis	WG-Harmonisation of Autoantibody Tests
Mark Shephard	WG-Quality Specifications for Glucose POCT
Paul Glendenning	WG-Standardisation of Insulin Assays
Greg Ward	WG-Standardisation of Pregnancy-Associated Plasma Protein A
Dorothy Kouzios	WG- Standardisation of Carbohydrate-Deficient Transferrin
Paul Williams	C-Standardisation of Thyroid Function Tests
May Siew	Task Force - Young Scientists
Dale Kunde	C-Clinical Molecular Biology Curriculum
John Whitfield	C-Evidence Based Laboratory Medicine

National Society Liaison

Sandra Klingberg	WG-IFCC eNews
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Additional information

AACB member Rita Horvath, is also currently a member of the AACC Board of Directors

BOSNIA HERZEGOVINA

ASSOCIATION OF MEDICAL BIOCHEMISTS IN BOSNIA-HERZEGOVINA



National meetings		
Name of the meeting	Date	Topic
14th Meeting of the Medical Biochemists	May 30, 2014	Metrology and standardization in laboratory diagnostics

BULGARIA

BULGARIAN SOCIETY OF CLINICAL LABORATORY



National meetings		
Name of the meeting	Date	Topic
National Conference of Clinical Laboratory	11-13 September 2013	Various

Education

- Educational Meeting of Sofia branch of the Society

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
XXII BCLF Meeting	22-26 June 2014	Participation with oral presentation and posters

Regional relations

Contacts with National representatives of the members of BCLFBULGARIA

International relations

Participation in congresses of EFLM and IFCC and their General Assemblies
Inviting lecturers

CANADA

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



National meetings		
Name of the meeting	Date	Topic
Canadian Laboratory Medicine Congress	June 20-24, 2015	Annual Meeting "Clinical Biochemistry on the Move: The interaction between clinical biochemists and the community"

Education
<p>2014 Travelling Lectureship Series Speaker: Dr. Mario Plebani, Full Professor, Clinical Chemistry and Clinical Molecular Biology, University of Padova, School of Medicine, Padova Italy Topics: Quality Management and its Impact on Patient Safety: First do no harm Harmonization in Laboratory Medicine as a Global Picture: The request, the sample, the measurement, and the report Dr. Plebani gave presentations in Vancouver, Calgary, Winnipeg, Toronto, and Quebec City in the period September 23 – October 3, 2014 The lectureship is sponsored by Bio-Rad Laboratories</p> <p>CSCC Webinar Lectureship on Critical Care Medicine Speaker: Dr. Neil A. Halpern, Chief of Critical Care Medicine and Medical Director of Respiratory Therapy, Memorial Sloan Kettering Cancer Center, New York Topic: Advanced Informatics in Critical Care: The primary challenge inherent in ICU design March 13, 2014 Lectureship sponsored by Instrumentation Laboratory</p> <p>CSCC Webinar Lectureship on Cardiovascular Disease Speaker: Dr. Alan S. Maisel, Professor of Medicine UCSD; Director, CCU and Heart Failure Program, San Diego VA Medical Center Topic: Cardiovascular Biomarkers February 13, 2014 Lectureship sponsored by Alere</p> <p>2013-14 Webinar Series 14 CSCC "Education Roundtable" in webinar format were held twice a month from October 2013 to May 2014. Besides single participants, many members formed groups at their institution to attend the webinars. Sessions averaged about 50 phone lines and 200-250 participants.</p>

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 annually to the Society Council. A Provincial Grant is available for each section to help fund their activities.

International relations
CA 2014 International Exchange Grant, sponsored by Roche, was used to host the visit of Dr. Banibrata Mukhopadhyay of India. Dr. Mukhopadhyay visited the laboratory of Dr. Andrew Lyon in Saskatoon, and then attended the CSCC Annual Conference in June in Charlottetown PEI where he presented a poster. Another 2014 International Exchange Grant was awarded to Dr. Khosrow Adeli who presented lectures in Jakarta, Indonesia and Wenzhou China on practical and theoretical concepts of establishing new reference intervals in adult and pediatric populations. CSCC paid the IFCC membership dues of the Cuban Society. CSCC assisted with the organization of the IFCC-Siemens Specialized Conference on Biomarkers in Neuropsychiatric Disorders, which took place in Toronto Ontario October 24-25, 2014.

CHILE

SOCIEDAD CHILENA DE QUÍMICA CLÍNICA (SCHQC)



National meetings		
Name of the meeting	Date	Topic
XVIII Congreso Chileno de Química Clínica	August, 4-6, 2014	Update knowledge in medical laboratory. Invited speaker: Dr H. Morris and Dr A. Ferreira-Gonzalez IFCC-Abbott Visiting lecturer
Taller: Explorando las vías de apoyo a la mejora de la trazabilidad en el laboratorio clínico en América Latina y el Caribe.	August, 7-9, 2014	Supporting the exchange of experiences, information and opinions among experts in the region to develop options on how to support the improvement of traceability in the medical laboratory. Invited speaker: Dr. Kessler, Universitätsklinikum Bonn, Germany Dr. Neukammer, PTB Berlin, Germany Dr. Salas, SEQC, Spain

Education		
Workshops		
• Aplicación de la Farmacocinética y Farmacogenómica en el diagnóstico clínico. Sociedad Chilena de Laboratorio Clínico y Forense	August, 4th, 2014	
• Regulación de Dispositivos Médicos: Reactivos de Diagnostico in Vitro. Instituto de Salud Pública de Chile	August, 4th, 2014	
• Medicina de Laboratorio Basada en la Evidencia.	August, 7th, 2014	
Conference		
• "Metrología en el Laboratorio Clínico" SEQC speaker: Dr. Javier Gella	October, 1st, 2014	

Regional relations		
SChQC has collaboration with several regional associations of medical laboratory.		
• COLABIOCLI as full member		
• IAAC- Inter American Accreditation Cooperation as a stakeholder member.		
• APTM - Asociacion Panamericana de Tecnologos Medicos		
• INN – National Standardization Institute (Chile)		
• Radio el Microscopio.		
• Sociedad Chilena de Laboratorio Clínico y Forense		
• Participation in the XXII Congress COLABIOCLI Quito- Ecuador 2015		

International relations		
Participation in the International Scientific Advisory of World Lab, Istanbul 2014		
Participation in the International Scientific Advisory of World Lab, Durban 2017		
SChQC is a Liaison member to the IFCC e-Newsletter		
IFCC CDP WG: Ibero-American Nomenclature and Translations (WG-IANT).		
Our IFCC National Representative attended different meetings at IFCC Congress held in Istanbul.		

CROATIA

CROATIAN SOCIETY OF MEDICAL BIOCHEMISTRY AND LABORATORY MEDICINE



National meetings		
Name of the meeting	Date	Topic
Symposium LOKUS 2014	April 4-5, 2014	Communication
25th CSMBLM symposium/21st SZKKLM international symposium	May 17, 2014	New technologies and challenges in laboratory toxicology and pharmacogenetics
CSMBLM General Assembly	September 27, 2014	Elections for Executive board, Advisory board and other functional units of the Society

Education
<p>CSMBLM Committee for education provides free e-seminars for all CSMBLM members. Participants of e-seminars can earn credits granted by the Croatian chamber of medical biochemists.</p> <p>In 2014 CSMBLM provided 11 e-seminars:</p> <ol style="list-style-type: none">1. Power of study2. Implementation of requirements from Standard HRN EN ISO 15189 in laboratory practice; 5.1 Personnel3. CLSI guidelines for determination of limits of detection and limits of quantitation4. Nationwide survey of policies and practices related to capillary blood sampling in medical laboratories in Croatia5. Implementation of requirements from Standard HRN EN ISO 15189 in laboratory practice; 5.2 Accommodation and environmental conditions6. Implementation of requirements from Standard HRN EN ISO 15189 in laboratory practice; 5.3 Laboratory equipment, reagents, and consumables7. KDIGO guidelines – novelties in laboratory diagnostics of chronic kidney disease8. Institutional practices and policies in acid-base testing: a self-reported Croatian survey study9. Ensuring quality for the point-of-care test systems10. Implementation of requirements from Standard HRN EN ISO 15189 in laboratory practice; 5.4 Pre-examination processes11. Implementation of requirements from Standard HRN EN ISO 15189 in laboratory practice; 5.5 Examination processes. <ul style="list-style-type: none">• Editorial board of Biochemia Medica (Editor in chief and assistant editors) organized educational modules for new editors and reviewers• In the 2014, Committee for the scientific and professional development performed their activities through several working groups for the specific areas in the laboratory medicine.• Working group for preanalytical phase has issued a national recommendation for venous blood sampling and distributed the document to all members of the CSMBLM.• Working group for acid-base balance conducted a nation-wide survey on practices and procedures in acid-base balance testing and published the results in the Biochemia Medica journal.• Working group for capillary sampling conducted a nation-wide survey on practices and procedures for capillary blood sampling and published the results in the Biochemia Medica journal.• Working group for laboratory diagnosis of autoimmune diseases conducted a nation-wide survey on practices employed in the autoimmune disease testing.• Working group of CSMBLM and CCMB for chronic renal disease conducted a nation-wide survey on compliance of laboratories with the KDIGO guidelines for chronic renal disease.• Working group for harmonisation of instructions for patients worked extensively on drafting the national recommendation for patient preparation.• Working group of CSMBLM and CCMB for uncertainty of measurement worked extensively on drafting the national recommendation for uncertainty of measurement.• A new working group for extravascular body samples was established.

Regional meetings		
Name of the meeting	Date	Topic
14th EFLM Continuing Postgraduate Course in Clinical Chemistry and Laboratory Medicine: New trends in laboratory diagnosis and management of diabetes mellitus: Diabetes mellitus revisited 14 years after the first Dubrovnik course	October 25-26, 2014	Host Society and main organizer

Regional relations

CSMBLM provided travel grants for members of regional laboratory medicine societies for best poster abstract authors at Symposium LOKUS. In 2014 3 grants were granted to members of Association of Medical biochemists in Bosnia and Herzegovina (1) and Society of Medical Biochemists of Serbia (2).

International relations

CSMBLM representatives in international associations within new mandate

IFCC & EFLM national representative: Daria Pasic, PhD, Associate Professor

CSMBLM representative in **EQALM**: Jasna Lenicek-Krlezha, PhD, specialist in laboratory medicine

CSMBLM representative EC4 Register of the European specialist in laboratory medicines: Ivana Rako, PhD, specialist in laboratory medicine

Representative CSMBLM in **European Association of Science Editors (EASE), Council of Science Editors (CSE), Committee on Publication Ethics (COPE)**: Prof. Ana-Maria Simundic, PhD, specialist in laboratory medicine, Biochemia Medica-Editor-in-chief

Representative CSMBLM in **European co-operation for accreditation (EA)**: Ines Vukasovic, PhD, specialist in laboratory medicine

During 2014 CSMBLM national representative in EFLM and IFCC, and Committee for information and public relations, with support of CSMBLM Executive board regularly informed the membership about and IFCC and EFLM activities and forwarded all calls for nominations in EFLM and IFCC working groups and committees.

Representatives in working groups and correspondent members active till the end of the mandate which is defined by the particular international body

Chair of the EFLM Education and Training Committee: Elizabeta Topic, Full Professor

Secretary of the EFLM Executive Committee: Prof. Ana-Maria Simundic, PhD, specialist in laboratory medicine

Member of the EFLM Science Committee: Prof. Ana-Maria Simundic, PhD, specialist in laboratory medicine

Chair of the Working group Preanalytical phase at EFLM Science Committee: Prof. Ana-Maria Simundic, PhD, specialist in laboratory medicine

Member of the Working group Postanalytical external quality assurance at EFLM Science Committee: Prof. Dunja Rogic, PhD, specialist in laboratory medicine

Corresponding member of the Working group Cardiac markers at EFLM Science Committee: Ana Stavljenic-Rukavina, Full Professor

Member of the Working group ISO/CEN and Accreditation at EFLM Quality and Regulations Committee: Ines Vukasovic, PhD, specialist in laboratory medicine

Corresponding member of the IFCC Commission for evidence based medicine: Prof. Dunja Rogic, PhD, specialist in laboratory medicine

CSMBLM representative and corresponding member of the IFCC and World Association of Societies of Pathology and Laboratory Medicine Task force for chronic renal diseases (TF-CKD): Vanja Radisic Biljak, PhD

Chair of the Working group for distance and e-learning at EFLM Education and Training Committee: Dragana Segulja

Member of the EFLM Education and Training Committee: Dragana Segulja

Additional information

Journal BIOCHEMIA MEDICA continues with activities for improving the quality and position of the journal among international scientific publications. Impact factor for 2013 was 2.4

In 2014, CROQALM (Croatian Centre for Quality Assessment in Laboratory Medicine- member of EQUALM performed three cycles of external quality control and introduced new modules with an extended number of laboratory tests. Extra-analytical phase of laboratory process were introduced in two new modules (pre-analytical and post-analytical phase).

Committee for information and public relations

Regularly cooperated and promoted CSMBLM in international associations with preparing newsletters and notifications for IFCC and EFLM bulletins.

Organised activities related to promotion of the profession in public.

CZECH REPUBLIC

CZECH SOCIETY OF CLINICAL BIOCHEMISTRY (CSKB)



National meetings		
Name of the meeting	Date	Topic
RANK 2014	29 – 30 January 2014, Pardubice	Routine analysis of nucleic acids by molecular biological methods
Laboratory investigation in transplantology	23 April 2014, Olomouc	Problems of laboratory tests in transplantology
BIOLAB 2014	25 – 27 May 2014, Ostrava	National meeting of laboratory technicians
INDC 2014 – 14th International Nutrition & Diagnostics Conference	2 - 5 September 2014, Praha	Nutrition and human health
Atherosclerosis 2014	10 - 12 September 2014, Prague	Atherosclerosis – diagnostics, treatment and prevention in adults and children
FONS 2014	21 - 23 September 2014, Pardubice	Advances in clinical chemistry and laboratory medicine
XIIIth Conference on Monoclonal Gammopathy	14 October 2014, Hradec Kralove	Monoclonal gammopathy
Laboratory investigation in diabetology	1 October 2014, Ostrava	Problems of laboratory testing in diabetology

Education
<p>Co-operation on study programs at Faculties of medicine, cooperation with Institute of Postgraduate Studies in Prague.</p> <p>Co-operation with Ministry of Health in transformation of postgraduate education of medical doctors: Medical Faculties have been responsible for this education (instead of Institute of Postgraduate Studies in Prague) since the beginning of the year 2012.</p> <p>Active participation on 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: http://www.labtest-online.cz). All items from US web pages were translated and are available for Czech readers.</p> <p>National E-learning project on clinical biochemistry “E-biochemistry” for students of medical schools (40 chapters, multi-medial, bilingual) finished and finalized in 2014.</p>

Regional meetings		
Name of the meeting	Date	Topic
7th Central-Moravian Regional Days	23 – 24 January 2014, Kouty nad Desnou	Varia, Czech Society of Clinical Biochemistry was the principal guarantor
Regional meeting of clinical biochemists – West Bohemia	20 March 2014, Plzen	Varia, Czech Society of Clinical Biochemistry was the principal guarantor
Working day of section of laboratory technicians	9 April 2014, Prague	Varia, Czech Society of Clinical Biochemistry was the principal guarantor
Regional conference Nejedly’s Kladno	16 April 2014, Kladno	Clinical chemistry and complex diagnostics, Czech Society of Clinical Biochemistry was the principal guarantor

Working day – prof. Kazda meeting	4 June 2014, Prague	Biochemical examinations in critically ill patient, Czech Society of Clinical Biochemistry was the principal guarantor
32 Regional meeting of clinical biochemists (South and Eastern Bohemian region)	22 – 23 May 2014, Písek	Interdisciplinary cooperation, Czech Society of Clinical Biochemistry was the principal guarantor
Regional meeting of Moravian-Silesian Region	9 – 10 June 2014, Zemanice	Varia, Czech Society of Clinical Biochemistry was the principal guarantor
Working day of section of laboratory technicians	8 October 2014, Prague	Diabetes mellitus, Czech Society of Clinical Biochemistry was the principal guarantor
Working day – 5 Písek meeting	6 - 7 November 2013, Písek	Medical doctor in clinical biochemistry lab, Czech Society of Clinical Biochemistry was the principal guarantor
33 Regional conference of clinical biochemistry	3 – 5 December 2014, Karlova Studanka	Varia, Czech Society of Clinical Biochemistry was the principal guarantor

International relations

- Our representatives (Prof. Zima and Prof. Racek) participated at EFLM General Assembly
- Prof. Racek participated at the EC4 Register Commission
- Prof. Zima worked as Member-at-Large, EFLM Executive Board
- Prof. Zima, prof. Jabor, prof. Prusa, Dr. Kocna, Dr. Kotaska, Dr. Cibicek, Dr. Rajdl and Ing. Sprongl worked as members of various IFCC and EFLM committees and working groups

Additional information

Approval of six various national guidelines in 2014:

- Doporučení k výpočtu nejistot kvantitativních výsledků měření v klinických laboratořích (Analytical calculations)
- Doporučení o laboratorním screeningu vrozených vývojových vad v prvním a druhém trimestru těhotenství (First and second trimester laboratory testing in pregnant women)
- Diabetes mellitus - laboratorní diagnostika a sledování stavu pacientů (Diabetes mellitus – lab testing)
- Doporučení: Systém externího hodnocení kvality (External quality control)
- Doporučení k použití, výběru a kontrole glukometrů (Implementation of glucometres)
- Doporučení k diagnostice chronického onemocnění ledvin (Diagnostics of chronic kidney diseases – estimation of glomerular filtration rate and examination of proteinuria)

- Editing the national scientific journal “Klinická biochemie a metabolismus”, co-editing journal “FONS”, publishing news in clinical biochemistry and activities of the Czech Society of Clinical Biochemistry.

Expert guaranty of EQA system in Czech Republic.

ECUADOR

SOCIEDAD ECUATORIANA DE BIOQUÍMICA CLÍNICA (SEBIOCLI)



National meetings		
Name of the meeting	Date	Topic
XII Ecuadorian Congress and VIII International of Clinic Biochemistry "Dr. José Viteri Romero	2-4 May, 2014	<ul style="list-style-type: none">• Quality Management• Hematology and Hemostasis• Tumor markers• Microbiology – Bacteriology• Molecular Biology• Metabolic Syndrome• Biomarkers• Parasitology• Immunology <p>The Congress was a great success, we had international speakers (Argentina, Australia, Brazil, Chile, Cuba, Colombia, España, Estados Unidos, Peru, venezuela and of course from Ecuador). We had 3 pre congresses with topics which were so interesting for the development of all professionals in tis area. All the participants were satisfied with the work done, because it helped to professionals to expand their knowledges. In the Congress we made the release of the COLABIOCLI Congress.</p>
Executive Board COLABIOCLI	3 May, 2014 (Held at the Congress)	Executive Meeting
Executive Board COLABIOCLI and Organizing Committe Meeting	3rd May, 2014 (Held at the Congress)	Information of the coordination and progress about the Congress on 2015
EXPOLAB COLABIOCLI - Release	December 2014	In the release there was a lot of companies interested in participate in the Congress.

Education
<p>Courses on:</p> <p>"Guidelines of the Agreement Ministerial 1203 for the license of the health establishments. Homologation of the establishments by action levels.- May 6th, 2014. Chimborazo</p> <p>Instrumental Quality Control. September 27th and 28th, 2014. Chimborazo</p> <p>Internal and External Quality Control. Guayaquil, November 22nd and 23th (the speaker was an IFCC's delegate. DQC-ML Programme)</p> <p>Microbiology Workshop. October 25th to December 20th. Tungurahua</p>

Regional meetings		
Name of the meeting	Date	Topic
XVIII Congreso Chileno de Química Clínica	4-6 August 2014	Dr. María del Carmen Pasquel, was invited as speaker, and she had the opportunity to share de COLABIOCLI Congress that will be held in Quito on September 2015.
CALILAB Mar del Plata	5-8 November 2014	Dr. María del Carmen Pasquel as Organizing Committe's President was invited by the CALILAB's President to this event. She had meetings about the Organization of the Congress COLABIOCLI 2015, and she shared the Congress with other people too.

Regional meetings		
Name of the meeting	Date	Topic
Worldlab Congress Istanbul	22-24 June 2014	Q.F. Maria Saldarreaga was invited as Nacional Representative and Dr. Maria del Carmen Pasquel as Chair WG - IANT division of CPD IFCC

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 University of Cuenca

International relations
International Federation of Clinical Chemistry (IFCC) Latin American Confederation of Clinical Biochemistry (COLABIOCLI) Peruvian Association of Professional Laboratory (APPLAC) 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
Our country will host the next COLABIOCLI Congress, on September 2015. We are coordinating this event to have success and to satisfy all expectations.

ESTONIA

ESTONIAN SOCIETY OF LABORATORY MEDICINE



National meetings		
Name of the meeting	Date	Topic
General meeting of the Society (ESLM)	April 03, 2014, Ülenurme Parish, Tartu County	Exome sequencing, case history with exome sequencing, possibilities of transgenic technology, bone marrow allogenic transplantation, HLA genotyping, differences in requesting laboratory tests between Estonia and Finland, what to do with old laboratory tests, POCT – challenges and solutions, approval of the annual report 2013.
ESLM XVI Summer School	August 21-23, 2014, Remniku, East Virumaa	New innovative marker for assessment of liver fibrosis, tuberculosis in Estonia and the rest of the world, what does a tuberculosis doctor expect from laboratory, molecular epidemiology of tuberculosis in Estonia, standardised laboratory request – experience in NEMC, opinions of surgeon and internal doctor, problems, stress at work, Multiplate – the tool for platelet function monitoring, the effect of technical parameters of laboratory methods on treatment outcome, overview of WG-UGID (diagnostics of urogenital infections), recommendations of testing syphilis, discussion on LOINC coding
General meeting of the Society (ESLM)	December 4, 2014 Tallinn	Electronic cross-match, ESCMID and EUCAST, microbiology in Europe, automated systems for routine antimicrobial susceptibility testing, biomarkers of I trimester prenatal screening and preeclampsia, report on ESLM activities 2011-2014, election of Board of ESLM

Education

Joint meeting of Estonian Society of Emergency Medicine and ESLM „Laboratory diagnostics – the powerful tool in the hand of emergency doctors“ – February 28, Jõhvi. Presentations by ESLM: syndrome-based panels of laboratory tests, POCT INR in thrombolysis patients, POCT in ED, preanalytical factors, pneumatic tube. CRP and PCT, diagnostics of poisoning, possibilities of chromatography in EKEI.

Interdisciplinary seminar HIP – April 11, 2014, Tallinn. Presentation by ESLM: osteoporosis and laboratory tests

Joint meeting of Estonian Society of Sexually Transmitted Infections and ESLM „The grey shades of sexually transmitted diseases“ – October 31, Tallinn. Presentations by ESLM: overview of WG-UGID, diagnostics of vaginitis, diagnostics of syphilis

Regional meetings

Name of the meeting	Date	Topic
XII Baltic Congress in Laboratory Medicine	Sept 18 – 20, 2014 Riga, Latvia	8 oral presentations, incl overview of the activities of ESLM

International relations

ESLM is the member of the following international organisations: IFCC, EFLM, EC4 Register Commission, BALM, ESCMID (EUCAST)

Agnes Ivanov participated as corresponding member in the IFCC TF-POCT Working Group: "How should Glucose Meters be Evaluated for Critical Care" meeting on June 21, 2014 in Istanbul.

Helle Järv participated in EUCAST subcommittee (AFST) meeting in Barcelona.

Marina Ivanova participated in ESCMID meeting on June 5-6, 2014 in Ljubljana.

Anu Tamm participated in EC4 Register Commission meeting on October 7, 2014 in Liverpool.

We were also represented in the first EFLM Strategic Conference on „Defining analytical performance goals 15 years after the Stockholm Conference on Quality Specifications in Laboratory Medicine“ on Nov 24-25, 2014 in Milan.

EFLM enabled the members of our society the free access to the journal Clinical Chemistry and Laboratory Medicine.

Additional information

Working groups are working in the fields of

- Laboratory terminology,
- LOINC (Logical Observation Identifiers Names and Codes),
- EUCAST (standardisation of antibiotic susceptibility testing)
- Professional standard of Medical laboratory specialist,
- Quality of POCT in family medicine,
- Laboratory quality,
- Kidney biomarkers,
- Cardiac markers and
- Laboratory hematology
- Diagnostics of urogenital infections

ETHIOPIA

ETHIOPIAN MEDICAL LABORATORY ASSOCIATION (EMLA)



National meetings		
Name of the meeting	Date	Topic
19th Annual Conference and Continuing Medical Education	2 – 3, August, 2014	'Quality Starts with Me' ISO 15189 Particular Requirements to Medical/Clinical Laboratories
Health Laboratory Policy development Workshop	18-22, September, 2014	Develop the health laboratory policy document

Education				
Ser. No.	Training Site	Training Date	Total Trainees	Financial Source
1	Adama, Oromia Region (Laboratory Safety and Biosecurity Training)	15 – 18, July, 2014	40	EMLA, EMA, CDC
2	Addis Ababa (Laboratory Quality Management System)	18-22, September, 2014	30	EMLA, EMA, CDC

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
2nd African Regulatory Forum on IVD Diagnostics and Medical Devices, Cape Town, SA	22 – 23, January, 2014	Professional contribution, as an expert nominee on behalf of the MoH and regulatory authority-FMHACA
3rd African Regulatory Forum on IVD Diagnostics and Medical Devices, Cape Town, SA	28 – 30, November, 2014	Professional contribution, as an expert nominee on behalf of the MoH and regulatory authority-FMHACA

Regional relations
We do have Very good regional relation with AFCC and ASLM, but limited to e-mail communication due lack of central funding for travel assistance in regional meetings and conferences.

International relations
1. We have an excellent relation with CDC, AFCC, ASLM (MoU) and IFCC. 1. We also have an excellent relation with African regulatory forum on IVD diagnostics and medical device, which is AU-NEPAD initiative.

Additional information
1. We failed to conduct C-CMBC that was assumed to be conducted in November 2014. In fact we have advocated it through our connections for members, but still no proper response given from IFCC. 2. We have continued grant management of PhD students of our members with Universities abroad. 3. We have launched Ethiopian Journal of Laboratory Medicine (EJLM), which is an official Journal of EMLA. 4. We have planned to conduct the 20th annual conference and continuing professional development, and to celebrate our 50th Anniversary and golden jubilee from 9 – 10, May 2015.

FINLAND

FINNISH SOCIETY OF CLINICAL CHEMISTRY (SKKY)



National meetings		
Name of the meeting	Date	Topic
Spring meeting	3.-4.4.2014	SFS-EN ISO 15189, international co-operation, economic management, gene therapy, are the environmental chemicals threat to people's health etc.
Fall meeting	27.11.2014	RhD-negative mothers and antenatal anti-D prophylaxis, autovalidation rules in hematology, HbA1c etc.
XXXIV Nordic Congress in Clinical Chemistry	16. - 19.9.2014 (Göteborg, Sweden)	

Education

At spring meeting the topics of the lectures were: SFS-EN ISO 15189, international co-operation, economic management, gene therapy, are the environmental chemicals threat to people's health etc.. The total number of participants was 66.

At fall meeting the topics of the lectures were RhD-negative mothers and antenatal anti-D prophylaxis, autovalidation rules in hematology, HbA1c etc.. The total number of participants was 67.

During the year 2014 FSCC has continued to financially support the participation of its members in domestic and international meetings. FSCC has also admitted grants to its members to be used for scientific research.

Klinlab is a journal published by FSCC. The journal published 6 issues in 2014 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 2014 have been Tuula Metso and Tommi Vaskivuo.

Klinisk Biokemi i Norden is a journal published by NFKK. The journal published 4 issues in 2014 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	October, 8th – 10th, 2014	- Digestive diseases - Genomics in the clinical laboratory

Education
<ul style="list-style-type: none">• Educational Committee chaired by Dr C. Augereau et Dr F. Guerber<ul style="list-style-type: none">» 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)<ul style="list-style-type: none">» National Agreement SFBC as Validating Society for “EPP”» Relations with the Federation of Medical Specialities (FSM)• Topics of EPP and CME actions in 2014: - Exploration of intestinal inflammation - Exploration of hepatic cytolysis

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
2014 WorldLab IFCC Meeting	Istanbul (Turkey), June 20th-26th, 2014	Session chairs Invited lectures Meetings EFLM General Assembly EuroMedLab 2015 booth posters
2014 AACC Annual Meeting	Chicago (USA), July 27th - 31th, 2014	Meetings with AACC and LTO EuroMedLab 2015 booth
10th EFLM Symposium for Balkan region	Belgrade (SE), September 9th -13th, 2014	Invited lectures Meetings
3rd EFLM - UEMS Congress EuroMedLab focus	Liverpool (UK), October 7th - 10th, 2014	Invited lectures EFLM General Assembly Meetings
2014 Greek National Society Meeting	Athens (GR), November 7th - 8th, 2014	Meetings
IFCC – TF-YS	New Dehli (IN), Chicago (US), Istanbul (TR)	Meetings

Regional relations
<ul style="list-style-type: none">• Participation in EFLM activities<ul style="list-style-type: none">- Contribution to EC4 register and ISO 15189 implementation- Participation in Committees and Working groups<ul style="list-style-type: none">• EFLM-EC4 Committee on Professional affairs and EC4 register : Simone ZERAH, chair• EFLM-Committee on Public relations, e-newsletter and EFLM-WG on distance learning : Bernard GOUGET, chair• EFLM-Committee on Continuous training and conferences : Pierre CARAYON, member• EFLM Working Group on Cardiac Markers : Guillaume LEFEVRE, member• EFLM / UEMS WG on Guidelines : Joseph WATINE, member- Participation in the International Advisory Board of Euromedlab 2013 Milano Meeting- Organization of EuroMedLab 2015 in Paris- Organization of 3 satellite meetings of EuroMedLab 2015 (Versailles, Reims, Paris).

International relations

- Coordination by SFBC Committee on International Relations:
 - » President: Prof. J. Goudable
 - » Past-President in charge of International Relations: Prof. P. Gamber
 - SFBC representatives:
 - » IFCC : Prof. P. Gillery
 - » EFLM: Dr B. Gouget (EC4 register: Dr S. Zérah)
- WASPaLM: Prof. J. Goudable
- Participation in the International Advisory Board of next IFCC/EFLM meetings:
 - » IFCC Istanbul WordLab 2014
 - » EFLM/IFCC Paris 2015: Organization
 - » EFLM / IFCC Athens 2017
 - » IFCC Durban WorldLab 2017
 - SFBC : founding member of the FIFBCML : Fédération Internationale Francophone de Biologie Clinique et de Médecine de Laboratoire (FIFBCML first President : Prof. Alain Legrand, SFBC past President)
- Participation in 3 meetings in 2014:
- » 5ème congrès des Biologistes Libanais (SBL), January 20th, 2014, Biblos / Beyrouth (LB)
 - » 28èmes Journées Nationales de Biologie Clinique (STBC), May 15th – 17th, 2014, Hammamet (TU)
 - » 14èmes Journées Nationales de Biologie Clinique (SMCC), June, 5th – 7th, Rabat (MO)

Additional information

Participation of SFBC members in IFCC Committees and Working Groups

- IFCC-EB: B. Gouget, Treasurer, 2012 – 2014
- IFCC-SD EC: P. Gillery, Vice-Chair, 2014-2016
- IFCC-SD

Committees

- Nomenclature, properties and units (C-NPU)
- (Silver book (WG))
- Molecular diagnostic (C-MD)
- Traceability in Laboratory Medicine (C-TLM)
- Standardization of thyroid function tests (C-STFT)

F. Scherrer, corresp. Member
G. Féraud, Chair
K. Peoc'h, corresp. Member
A. Vassault, corresp. Member
P. Carayon, corresp. Member

Working groups

- Clinical Quantitative Mass Spectrometry Proteomics (WG-cMSP)
- Standardization of Carbohydrate-Deficient-Transferrin (WG-CDT)
- Parathyroid hormone (WG-PTH)
- Standardization of Troponin I (WG-TNI)
- Harmonization of antibody tests (WG-HAT)
- Standardisation of Hemoglobin A2 (WG-HbA2)
- Standardisation of Pregnancy-Associated Plasma Protein (WG-PAPPA)
- Standardisation of Albumin Assay in Urine (WG-SAU)
- Commutability (WG-C)
- IFCC-EMD
 - Committee on Analytical Quality (C-AQ)
 - Committee on Evidence Based Laboratory Medicine (C-EBLM)
- IFCC-CPD
 - IFCC News and WG-IFCC News
- IFCC-TF and IFCC-IP
 - Task force for Young Scientists (TF-YS)
 - Task force on Proficiency testing (TF-PT)
 - Task force on point of care testing (TF-POCT)
 - Task force on chronic kidney disease (integrated project) (TF-CKD)
 - Task force on implementation of HbA1c standardization (integrated project) (TF-HbA1c)
 - Task force on the impact of laboratory medicine on Clinical management and outcomes (TF-ICO)

S. Lehmann, Chair, 2014-2016
F. Schellenberg, Member
J.C. Souberbielle, Member
G. Lefèvre, corresp. Member
P. Carayon, corresp. Member
M. Arock, corresp. Member
R. Garnotel, corresp. Member

E. Caussé, corresp. Member
V. Delatour, Member

A. Vassault, corresp. Member
J. Wils, corresp. Member

D Gruson, Member

G. Boursier, Member, 2014-2016
A. Perret-Liaudet, Member, 2014-2016
P. Pernet, Member, 2012-2014
J.P. Cristol, corresp. Member

P. Gillery, SD Liaison

P. Gillery, SD Liaison
P. Carayon, corresp. Member
V. Ducros
J.P. Bali

Additional information

SFBC Board 2014

Executive Board :

- President
- Vice-Presidents
- Past-Presidents

- General Secretary
- Assistant General Secretary
- Treasurer

Pr Joëlle GOUDABLE
Pr Marc DELPECH
Pr Philippe GAMBERT
Pr Alain LEGRAND
Pr Vincent SAPIN
Dr Véronique ANNAIX
Dr Philippe CHATRON

Scientific Committee

Pr Sylvain LEHMANN
Dr Katell PEOC'H

Editor in Chief ABC
Educational Committee
Webmaster

Pr Jean-Louis BEAUDEUX
Dr Christine AUGEREAU
Pr Vincent SAPIN
Mrs Séphora SAMTCHAR

GREECE

GREEK SOCIETY OF CLINICAL CHEMISTRY CLINICAL BIOCHEMISTRY (GSCC-CB)



National meetings

Name of the meeting	Date	Topic
17th Seminar of Continuous Postgraduate Education	February 1st, 2014	«Laboratory approaches for the elderly people»
18th Seminar of Continuous Postgraduate Education	March 3rd, 2014	«Laboratory contribution in transplantations»
ISO Seminar on Laboratory Accreditation	On February, on September & on December 2014	

Education

Seminar Series in Athens targeting Young Scientists:

The seminars were dedicated to the work and contribution of the in vitro clinical labs of the Greek public hospitals to clinical diagnosis

Referred to the:

- Clinical Biochemistry Lab and included lectures on biochemical analyzers, liver and renal function tests, enzyme testing, disorders of carbohydrate and lipid metabolism, disorders of metal ions metabolism, abnormalities of thyroid function, steroid, hypothalamic and pituitary hormones, tumour markers in neoplastic diseases, therapeutic drug monitoring and pharmacogenomics.
- Immunology Lab: Histocompatibility complex, protein tests, autoimmune antibodies, flow cytometry
- Blood-Bank Lab: immunohematology, blood-born diseases and haematology analyzers.
- Cytopathology Lab: examination of virtually all body organs and tissues
- Pathology Lab: aims, operation and techniques
- Microbiology Lab topics and analytical tests
- Molecular Diagnostics Lab (Molecular Cancer Genetics, CTCs, Somatic mutations and targeted therapy, Molecular Microbiology on HPV and Mycobacteria)

Regional meetings		
Name of the meeting	Date	Topic
12th Greek Congress of Clinical Chemistry, held in Athens	November 7th -8th, 2014	Coordinating the Organizing and Scientific committees
13th Greek Congress of Clinical Chemistry, to be held in Crete	October 29th -31st, 2015	

Regional relations
General Conference and Elections of the Greek Society Board for the years 2014-2017 June 2014, Athens

International relations
Euromedlab 2017, Athens <ul style="list-style-type: none"> • 1st Congress Organizing Committee Meeting, November 9th, 2014 • 1st Scientific Program Committee Meeting, November 28th ,2014

Additional information
Greek Lab Tests Online successfully uploaded 205 tests on its platform.

HONG KONG

HONG KONG SOCIETY OF CLINICAL CHEMISTRY (HKSCC)



Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
APFCB Travelling Lecture/ HKSCC Annual Scientific Meeting	11 January 2014	1. Managing Laboratory Informatics, Middleware and Process Control 2. Development of a Trace Element Analysis Service in Hong Kong 3. Surveillance of Emerging Drugs of Abuse in Hong Kong 4. Routine Steroid Hormones Service by Mass Spectrometry
Dinner Lecture I	20 February 2014	Procalcitonin: Biochemistry & Clinical diagnosis
Dinner Lecture II	10 April 2014	The topic was: Harmonization and traceability of results
Evening Lecture III	17 April 2014	Pharmacogenomics and Pharmcometabolomics for Transplant, Pain Management and Toxicology
Dinner Lecture IV	9 July 2014	1. Practical Applications of Sigma-metrics in QC Design 2. QC as the Cornerstone of Quality Lab Results
Evening Lecture Lecture V	11 September 2014	Bone Turnover Markers in Osteoporosis: Assessing Risk and Monitoring Treatment
Macau Symposium	22 November 2014	1. Molecular Diagnosis of Hereditary Renal Diseases 2. Biochemical and Genetic Testing of Autistic Spectrum Disorders 3. Laboratory Accreditation: An Assessor's Perspective 4. The Journey for Accreditation: A Means Not an End

Education

The year 2014 education activities started with the society's Annual Scientific Meeting/Annual General Meeting on 11 January. The theme was the Asia Pacific Federation of Clinical Chemistry (APFCB) Travelling Lecture: "Managing Laboratory Informatics, Middleware and Process Control" delivered by Prof Sunil Sethi, Department of Laboratory Medicine, National University of Singapore. This was followed by repeat of lectures delivered by HKSCC members during the APFCB Congress in Bali, Indonesia in Oct 2013: "Development of a Trace Element Analysis Service in Hong Kong" (Dr Robert Cheung), "Surveillance of Emerging Drugs of Abuse in Hong Kong" (Dr Doris Ching), "Routine Steroid Hormones Service by Mass Spectrometry" (Dr CS Ho). The 14 industrial booth exhibitions and lectures were well attended by over 170 members and guests.

Six scientific meetings were organized/co-hosted with other academic institutions in 2014:

1. A dinner lecture sponsored by Thermo Fisher was held on 20 February with Dr Michael Meisner delivered the talk on "Procalcitonin: Biochemistry & Clinical diagnosis". The event was attended by over 100 members and guests.
2. A Dinner Lecture by Prof Greg Miller, External Examiner for Chemical Pathology, The Chinese University of Hong Kong was held on 10 April. The topic was: "Harmonization and traceability of results" The event was attended by 126 members and guests.
3. A Lecture by Dr Steve Wong, President American Association of Clinical Chemistry (AACC) was held on 17 April at Queen Elizabeth Hospital. Dr Wong shared members his vision and experiences on "Pharmacogenomics and Pharmacometabolomics for Transplant, Pain Management and Toxicology." The lecture was attended by over 60 members and guests.
4. BioRad Hong Kong has hosted a dinner symposium addressing the importance of QC practice on 9 July under HKSCC auspices. The speakers for the symposium were: Jeremie Gras, MD, PhD (Belgium) (Practical Applications of Sigma-metrics in QC Design), Michael Noble, PhD (Canada) (QC as the Cornerstone of Quality Lab Results). Over 150 guests and members attended the symposium.
5. A joint evening seminar with Hong Kong College of Pathology (HKCPath) was held at Queen Elizabeth Hospital on 11 September. Dr Penelope Coates, External Examiner of the college specialist examination has delivered her talk on "Bone Turnover Markers in Osteoporosis: Assessing Risk and Monitoring Treatment." The seminar was attended by over 60 members and guests.
6. The 2014 Macau Symposium in collaboration with the Macau Laboratory Medicine Association was held on 22 November. Invited speakers and topics from HKSCC were: Dr Liz Yuen (Molecular Diagnosis of Hereditary Renal Diseases), Prof CW Lam (Biochemical and Genetic Testing of Autistic Spectrum Disorders), Ms Judy Lai (Lab Accreditation: An Assessor's Perspective), and Mr Eric Wong (The Journey for Accreditation-A Means Not an End). Twenty-five HKSCC members and guests travelled to Macau for the symposium. The event was held in the Hotel Royal of Macau and was well attended by local participants.

HUNGARY

HUNGARY SOCIETY OF LABORATORY MEDICINE (MLDT)



National meetings		
Name of the meeting	Date	Topic
QualiCont Forum	30th January 2014	Quality Assurance
57th Congress of the Hungarian Society of Laboratory Medicine	28-30th August 2014	<ul style="list-style-type: none">• Routine Laboratory Diagnostics -Solutions not to be automated• Inflammation and Immunology• Vascular and Thrombotic Diseases• Drug monitoring, toxicology• The role of laboratory medicine in clinical research• Clinical Microbiology• The laboratory of the future – the laboratory's future• Youth Forum - "Do you have the X FACTOR?"

Education

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

There were several one-day training courses mostly organized by in vitro diagnostics companies in 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, Budapest, Hungary 24-25 April 2014, organization and participation

Gábor L. Kovács: eJIFCC Chief Editor, IFCC Communications and Publications Division Executive Committee,

Éva Ajzner: Chair, EFLM Science Committee, WG Postanalytical Phase

Éva Ajzner: Chair, EFLM Science Committee, Task and Finish Group on Critical Results (TFG-CR).

INDIA

ASSOCIATION OF CLINICAL BIOCHEMISTS OF INDIA (ACBI)



National meetings		
Name of the meeting	Date	Topic
41st. Annual National conference of ACBI, All India Institute of Medical Sciences, Jodhpur, Rajasthan, India.	30th January 2014	

Education
<p>ACBI National Conference – Jodhpur</p> <p>(1) Workshop on Basics of Flowcytometry Conducted by Sudip Sen and Dr Sanjeev Kumar Gupta from AIIMS, New Delhi. More than 50 delegated registered for this workshop.</p> <p>(2) CME on Intergrating Biochemistry in the Medical Curriculum was organized. Coordinated by Dr Sucheta P. Dandekar (Mumbai), Dr Ishtiyahq Ahmad Shaafie (UAE), Dr KG Gomathi (UAE) and Dr Pankaj Bhardwaj.</p> <p>Others who delivered lectures during the Annual National Conference were,</p> <p>Prof. Ravi Sirdeshmuk on Proteomic approaches and potential of Clinical Applications: Glioma Perspective. Prof. M V R Reddy on Autoimmune Diseases: Therapeutic role of Helminth derived Immuno-modulatory molecules. Dr. Barnali Das on Cutting the extra flab from your lab platter: Lean-Six sigma. Prof. Sadanand S. Naik on One carbon metabolism and fetal growth Dr. Neeta Singh on Human Pailloma virus and cervical cancer: Perspective and prospects. Dr. H A. Morris on Interpretations of clinical laboratory testing: reference intervals and critical values. Dr. Maurizio Ferrari on Circulating Free Nucleic acids: A new tool for molecular diagnostics. Masahiro Sugimoto on Metabolomics : A potential tool for detecting systemic diseases. Dr. Rajendra Prasad on Molecular and functional basis of cystic fibrosis: Diagnostic and therapeutic implications. Dr. Jawahar Kalra on Quality Management: Integration of error disclosure in health care and laboratory medicine. Dr. Tony Badrick on The Uncertainty of eGFR Equations.</p> <p>Over 260 poster were presented by the delegates and 95 oral presentations were given during the conference besides the invited lectures. A total of nearly 800 delegates registered for the conference.</p> <p>DELHI CHAPTER OF ACBI: Organized a CME on 23rd March, 2014 with the theme of “Thinking Beyond the Routine” with special talks on Fertility Markers.</p> <p>ACBI – Haryana Chapter: A one day CME on “Clinical implication and significance of Vitamin B12, Porphyria and Hypercalcemia: Clinical Inputs” was organized.</p> <p>ACBI – Kerala Chapter: Organized a two day seminar cum workshop on 9th and 10th of August 2014 at the MES Medical College.</p> <p>ACBI West Bengal Branch: A four day training course on Quality Management System & Internal Auditors training was held in Desun Hospitals, Kolkata from 9th to 12th April,2014 and North Bengal Medical College.</p> <p>ACBI – UP Chapter: A scientific meet was held on 1st Sept 2014 at BRD Medical College, Gorakhpur.</p> <p>ACBI Madhya Pradesh Branch: Conducted a one day CME on 14 August 2014 at Department of Biochemistry, GR Medical College Gwalior on clinical research methodology.</p> <p>ACBI Rajasthan Branch: “A National Symposium on Lead Awareness and Sensitization Program” was organized jointly by the National Referral Centre for Lead Projects in India and ACBI, Rajasthan Chapter.</p> <p>ACBI Tamil Nadu Branch: The Tamil Nadu branch organized two CME’s during the year. The First CME programme was conducted on 16th September 2014 at SRM Dental College, The 2nd. CME was conducted on 11th October 2014 at Cancer Institute, Chennai.</p> <p>ACBI AP chapter: Conducted a one day CME on 30-1-2014 at Vijaya Diagnostic Centre, Himayatnagar, Hyderabad on Screening of New Born and inborn errors of Metabolism.</p> <p>ACBI South Zone: Dr Poornima Manjrekar, Head, Department of Biochemistry, Kasturba Medical College, Mangalore, organized the 2nd South Regional Conference of the Association of Clinical Biochemists of India – 2014, on 22nd & 23rd May, 2014.</p> <p>ACBI West Zone: Dr. T. F. Ashavaid, South Zone representative & Dr Sucheta Dandekar, Past President, ACBI, organized the first of the series of 1 day lectures “Secrets of Quality” on 19th October 2014.</p>

Regional relations

1. At the ACBI National Meet in Jodhpur, 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 (Jaipur), 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 Jodhpur hosted the **IFCC Task Force for Young Scientists (IFCC-TF YS)**. This Pre-conference workshop 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, APFCB & ACBI fraternity; including **Prof. Graham Beastall (President, IFCC), Dr Pradeep Dabla, Member & National Representative, IFCC-TF YS, Dr Archana Singh, Dr. V. Parmeswaran, Prof. Praveen Sharma, Prof. Jayashree Bhattacharya & Dr Endang Hoyaranda (Secretary, APFCB)**

Additional information

The 42nd Annual National Conference of the association will be held in Chandigarh in the last week of November 2015. The organizing secretary is Dr Rajendra Prasad, Prof. & Head at PGIMER, Chandigarh.

The following were elected as office bearers of ACBI for the year 2015

PRESIDENT:

Dr. Praveen Sharma

Professor & Head

Department of Biochemistry

All India Institute of Medical Sciences,

Jodhpur – 342005

VICE PRESIDENT (I) & ORGANIZING SECRETARY, ACBICON 2015

Dr. Rajendra Prasad

Professor & Head

Department of Biochemistry

P.G.I.M.S.

Chandigarh – 160 012

VICE PRESIDENT (II)

Dr. S. V. Rana

Chief of Clinical Biochemistry

Department of Gastroenterology

P.G.I.M.S.

Chandigarh – 160 012

ADVISOR

Prof. K.P. Sinha,

Director,

Biochem Lab

East Boring Canal Road,

Patna-800001, India

SECRETARY

Dr. Rajiv Ranjan Sinha,

Associate Professor,

Department of Biochemistry,

Nalanda Medical College,

Kankerbagh Road

Patna - 800 023, India

Additional information

TREASURER

Dr Krishna Ranjan Prasad,
Professor, Dept.of Biochemistry, Katihar Medical College.
A-12 Sector D, Kankerbagh Colony,
Patna - 800 020. Bihar.

JOINT SECRETARY:

1.Dr. Jairam Rawtani
Assistant Professor
Department of Biochemistry
S. N. Medical College
Jodhpur

2. Dr. Ram Binay Sinha
Associate professor
Department of Biochemistry
Patna Medical College
Patna – 800 004

IRELAND

ASSOCIATION OF CLINICAL BIOCHEMISTS IN IRELAND (ACBI)



National meetings

Name of the meeting	Date	Topic
ACBI 37th annual conference, Dublin	14-15th November 2014	Science and Society Translating Data and Research into Health Outcomes: -Reusing Laboratory Data to Improve health of the Population -Patient Access to results -Surgery at the Translational Interface in Cancer Research Inflammation: Laboratory and Clinical Aspects: -The microbiome -Vitamin D as an Anti-Inflammatory therapy in IBD -Biomarkers in the Diagnosis and Management of IBD Genetics: Laboratory Aspects and Clinical Breakthroughs: -Next Generation Sequencing: Applications and Challenges in the Clinic -How Can we Assure the Quality of Genetic Tests -Human Metabolic Disease: Lessons from the Extremes Clinical Cases Nonatal Diabetes Molybdenum Cofactor Deficiency

Education

ACBI members were attended national and regional meetings throughout the year as well as international (Euro-lab Focus, Liverpool, October 2014) and world (IFCC WorldLab, Istanbul) meetings.

Tutorials were held for members sitting Royal College of Pathologists examinations in Clinical Biochemistry

The online CPD scheme was launched at the 50th annual conference.

Regional meetings		
Name of the meeting	Date	Topic
Association for Clinical Biochemistry and Laboratory Medicine (ACB) Northern Ireland Region and Association of Clinical Biochemists in Ireland (ACBI) Joint Spring Scientific Meeting, Belfast	11th April 2014	Eating disorders, Nutrition and the Lab What is a Realistic and Safe Turn-Around Time; findings of a National Survey Endocrine Hypertension Measuring the Value of Laboratory Medicine Haemochromatosis Stool Calprotectin
POCT workshop, organised by ACBI, RCPI and ALMLS, Dublin	5th June 2014	Guidance of testing services in pharmacies Management guidelines and hyperglycaemia emergencies Use of glucometry data to assist in surveillance for hyperglycaemia in hospitalised patients IT connectivity and Point of Care testing; current problems and solutions Clinical importance and measurement of lactate at point of care Integrated community care for diabetes patients Anticoagulant monitoring in the community How to ensure quality of POCT in hospital environment and in community settings
ACBI Scientific Meeting, Galway	5th September 2014	Setting the scene: laboratory investigation of hypertension New advances in the investigation of Conn's syndrome. Incidental adrenal nodules: colouring the radiograph with biochemistry Bones R Us Gestational diabetes and hypertension – diagnosis & management

Regional relations

The ACBI liaised with other regional societies and participated in meetings hosted by other organisations e.g. Irish Endocrine Society and IEQAS (Irish External Quality Assurance Scheme)

International relations

ACBI members continued to support the activities of the IFCC through participation in various Working Groups e.g. POCT, CKD, Distance Education and e-learning

Additional information

ACBI celebrated its 50th year in November 2014

ITALY

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



National meetings		
Name of the meeting	Date	Topic
46° CONGRESSO NAZIONALE SIBIOC	ROMA, 13-15 OTTOBRE 2014	<ul style="list-style-type: none">• The laboratory defects in erythropoiesis• Clinical cases selected by Poster• Laboratory medicine in urgency / emergency• Diagnostics in autoimmunity• Postgraduates' session• Joint Session SIBioC - SIC "Atrial Fibrillation"• New diagnostic technologies• SIBioC - Laboratory Medicine Recommendations

Education
<p>The "School for continuous education in Laboratory Medicine" (SPML, Scuola di formazione permanente in Medicina di Laboratorio) has organized, in 2014, 13 courses (practical and theoretical) on the following topics:</p> <ol style="list-style-type: none">1. Allergology2. Point of care3. Pharmacotoxicology4. Haematology5. Mass spectrometry6. Molecular biology7. Thrombosis and haemostasis

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
IV CONGRESSO TOSCANO SIBIOC / SIMEL - RECENTI ACQUISIZIONI IN TEMA DI FUNZIONALITÀ RENALE: RUOLO DEL LABORATORIO	SESTO FIORENTINO (FIRENZE), 13 FEBBRAIO 2014	
INDICATORI BIOCHIMICI DI NEOPLASIA: ATTUALITÀ E PROSPETTIVE	MILANO, 11 MARZO 2014	
GENOMIC TECHNOLOGIES AND EVIDENCE BASED LABORATORY MEDICINE: ARE WE READY FOR A CLINICAL GOVERNANCE IN PERSONALIZED MEDICINE?	ROMA, 10 APRILE 2014	
UP DATES IN AUTOIMMUNITY 2014 "EVIDENCES AND OUTCOMES"	MODENA, 23-24 MAGGIO 2014	
29° CONVEGNO DI STUDIO: PATOLOGIA CLINICA DEL SISTEMA MUSCOLO-SCHELETRICO	ALTAVILLA VICENTINA (VI), 29-30 MAGGIO 2014	
LA RIORGANIZZAZIONE DELLA RETE DEI LABORATORI: SPUNTI DI RIFLESSIONE E INDICAZIONI DI QUALITÀ	ALESSANDRIA, 12 GIUGNO 2014	
LE ODIERNE POTENZIALITÀ DELL' EMOCITOMETRIA: DAL LABORATORIO DI ANALISI AL CLINICO. ATTESE E LIMITI	NAPOLI, 25 SETTEMBRE 2014	
LA MEDICINA DI LABORATORIO: APPROCCIO MULTIDISCIPLINARE E STRATEGIE VINCENTI	S. AGATA DI MILITELLO (ME), 26 SETTEMBRE 2014	
XVIII CONGRESSO REGIONALE MULTIDISCIPLINARE DI MEDICINA DI LABORATORIO	FRANCAVILLA AL MARE, 2-3 OTTOBRE 2014	

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
LE TERAPIE ANTICOAGULANTI: IERI OGGI E...DOMANI? DAI VECCHI AI NUOVI ANTICOAGULANTI: IL RUOLO DEL LABORATORIO	ROMA, 13 OTTOBRE 2014	
LE TECNOLOGIE DI SEQUENZIAMENTO MASSIVO PARALLELO APPLICATE ALLA DIAGNOSTICA MOLECOLARE CLINICA	ROMA, 13 OTTOBRE 2014	
LE BASI DELLA OSSERVAZIONE MICROSCOPICA IN EMATOLOGIA	ROMA, 13 OTTOBRE 2014	
LA SPETTROMETRIA DI MASSA NEL LABORATORIO CLINICO: UNA REALTA' CONSOLIDATA	ROMA, 13 OTTOBRE 2014	
LE GIORNATE LAZIALI DELL' APPROPRIATEZZA IN MEDICINA DI LABORATORIO	ROMA, 20 NOVEMBRE 2014	
REAZIONI AVVERSE AGLI ALIMENTI: APPROPRIATEZZA NELLA DIAGNOSI PER UN EFFICACE TRATTAMENTO TERAPEUTICO	SARZANA, 29 NOVEMBRE 2014	
LA GOVERNANCE DEL PROCESSO DELLA DIAGNOSTICA DECENTRATA	NAPOLI, 1 DICEMBRE 2014	
ACQUISIZIONE DI BENI E SERVIZI IN MEDICINA DI LABORATORIO	VERONA, 3 DICEMBRE 2014	
V CONGRESSO INTERREGIONALE SICILIA - CAMPANIA - SARDEGNA "IL SUPPORTO MULTIDISCIPLINARE DELLA MEDICINA DI LABORATORIO: DALLA RICERCA ALLA CLINICA "	RAGUSA IBLA, 4-5 DICEMBRE 2014	

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 Roma in October, gave oral presentations and took active parts to several Educational Workshops.

Additional information

Besides the National Congress, SIBioC organized 19 Regional or inter-Regional events in Italy.

JAPAN

JAPAN SOCIETY OF CLINICAL CHEMISTRY (JSCC)



National meetings

Name of the meeting	Date	Topic
The 54th Annual Meeting of Japan Society of Clinical Chemistry (JSCC)	2014/9/5-7	

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.

Clinical Chemistry Workshop on Medical technologists'for Immunological and Clinical Chemistry: Sept 7, 2014
Board Examination on for Medical technologists'for Immunological and Clinical Chemistry, Dec 13, 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

- Scientific Committee: Kiyoshi Ichihara (Chairs of Committees)
- Education Committee: Susumu Osawa
- Communications: Hitoshi Chiba
- Congress and Conferences: Yuzo Kayamori

IFCC Activity

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

SD Committees:

Reference Intervals and Decision Limits (C-RIDL):

- Kiyoshi Ichihara, Chair
- Kiyohide Ishikura corresp. Member

Nomenclature, Properties and Units (C-NPU):

- Kazuyoshi Yamauchi, Member
- Masayuki Totani, corresp. Member

Molecular Diagnostics (C-MD):

- Masato Maekawa, Member

Reference Systems of Enzymes (C-RSE):

- Shigeru Ueda, Member
- Shi-ichi Sakasegawa corresp. 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

International relations

Education Management Division (EMD) Committees

Clinical Molecular Biology Curriculum (C-CMBC):

- Atsushi Watanabe, Member
- Tadao Funato, corresp. Member

Distance Learning (C-DL):

- Kuniaki Saito, corresp. Member

Communications and Publications Division (CPD) Committees

Internet and e-Learning (C-IeL)

- Hideo Sakamoto, Member
- Task Forces/Special Projects

Task Force on Implementation of HbA1c Standardization (Integrated Project) (TF-HbA1c) Izumi Takei, Member

Task Force on Implementation of on Ethics (TF-E) Masakazu Miura, corresp. Member

Task Force on Young Scientists(TF-YS) Ryunosuke Ohkawa, corresp. Member

International Journal Editor

Editorial Board for Annals of Clinical Biochemistry:

- Katsuyuki Nakajima

Editorial Board of Clini Chimi Acta:

- Nobuo Okumura, Masato Maekawa, Takashi Miida,
- Minoru Tozuka, Katsuyuki Nakajima, Akihiro Inazu

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)	2014. 5. 16.	Plenary lecture; Quality management of point-of-care testing Symposium 1; Document management and laboratory inspection Symposium 2; Current trends in biomarkers for the cardiac diseases Symposium 3; Practical approach in laboratory management Symposium 4; Integrating mass spectrometry (MS) in the clinical lab: What you need to know Symposium 5; Updated information for clinical chemists
Quality Assurance Workshop	2014. 11. 6.	Quality Assurance Workshop for Neonatal Screening Tests
Annual Meeting of KSCC (II)	2014. 11. 6.	Plenary lecture; Burnout Syndrome and compassion focused stress management Symposium 1; Implementation and management of reagents in clinical chemistry laboratory Symposium 2; Understanding and clinical application of hormone testing Symposium 3; Current trends in vitamin D testing: What is the choice of your laboratory?

Education

- 1 Document management
- 2 Biomarkers for the cardiac diseases
- 3 Mass Spectrometry
- 4 Implementation and management of reagents
- 5 Hormone testing
- 6 Vitamin D

Regional relations

1. In addition to the annual meetings of KSCC, several times of regional meetings were held. To facilitate the regional communications and to fasten the regional relationship, regular meetings on clinical chemistry were held all over Korea.
 - KSCC Council meetings : 3 times
 - KSCC Standing committee meetings : 3 times
 - KSCC Organizing committee meetings : 10 times
2. KSCC promoted the 'IFCC WorldLab Seoul 2020' two times in the other Korean meetings and conference, such as 'The Korean Association of Quality Assurance for Clinical Laboratory'
3. KSCC awarded the '2014 Korea MICE Alliance Conference & Awards' from 'Korean Ministry of Culture, Sports and Tourism' about the successful host of the 'IFCC WorldLab Seoul 2020'

International relations

1. Attended 'IFCC WorldLab Istanbul 2014' and promoted the 'IFCC WorldLab Seoul 2020' to the participants of the Congress
2. KSCC was determined to host the 'IFCC WorldLab 2020' in Seoul, Korea
3. By IFCC C-CC in 'IFCC WorldLab Istanbul 2014'
4. APFCB committee members elected (2014-2016)
 - Pf. Yong Hwa Lee for the education and laboratory management committee
 - Pf. Hwan Sub Lim for the communications committee
4. IFCC Network Laboratory for HbA1c in Korea (2012 - present)
5. Pf. Junghan Song was elected as a member of the 'International Scientific Advisory Board of IFCC WorldLab Durban 2017'
6. Dr. Eun-Hee Lee participated the 'AACC ICHCLR Council meeting and HOG of 2014'

Additional information

Current Officer Bearer of KSCC (2015-2016)

- 1 President : Pf. Gye Cheol Kwon (Chungnam National University College of Medicine)
- 2 Secretary General : Pf. Yeo Min Yun (Konkuk University College of Medicine)
- 3 Treasurer : Pf. Hwan Sub Lim (Catholic Kwandong University College of Medicine)
- 4 International Committee : Dr. Sung Eun Cho (LabGenomics Clinical Laboratories)

LEBANON

LEBANESE SOCIETY OF CLINICAL BIOLOGY SYNDICAT DES BIOLOGISTES DU LIBAN



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Conference of Lebanese Ministry of Public Health	15- 24 September 2014	Our society contributed in education regarding practices of blood transfusions
Conference on Medical Errors and Malpractice in Lebanon	20 November 2014	Medical errors
2014 Congress of the Lebanese order of Pharmacists	24 November 2014	Our society contributed in lectures about microbiology and metabolic disorders
The XIth Makassed Medical Congress	27-29 November 2014	Our society contributed in the following lectures: - Blood transfusion - Preanalytical + analytical errors - Laboratory quality management
Conference with the Lebanese society of Infectious Diseases (LSID) and the Lebanese Order of Physicians (LOP)	3 December 2014	Our society gave a lecture regarding Ebola
General assembly of the society	4 December 2014	Waste management

Education
<ul style="list-style-type: none">• The society organized a subscription to all its members in e-Medicinimage which is a continuing educational website from the FCBM (Formation Continue en Biologie et Medecine) in Toulouse- France•• The syndicate set an obligatory continuing medical education (CME) program to all clinical pathologists in Lebanon (in collaboration with the Lebanese Order of Physicians, the Lebanese Order of pharmacists and the Lebanese Ministry of Public Health).

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
5th congress of the Syndicate of Clinical Pathologists in Lebanon	21-22 February 2014	Organizer

Regional relations
Founding member of the AFBC (Arab Federation of Clinical Biology).

International relations
Founding member of the FIFBCML (Federation Internationale Francophone de Biologie Clinique et de Medecine de Laboratoire).

Additional information
The syndicate participated in the accreditation committee at the Lebanese Ministry of Public Health to set standards of operation for laboratories in the country.
The syndicate has provided an external laboratory quality control program to all its members.

LITHUANIA

LITHUANIAN SOCIETY OF LABORATORY MEDICINE



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Practical issues of laboratory diagnostics	18-03-2014	Preanalytical and safety issues, trends in molecular diagnostics
Current technologies in medicine: from the laboratory to the patient	11-04-2014	Laboratory process optimization, automation possibilities in microbiology, new generation identification of microorganisms with Maldi Tof method, cardiovascular disease management via genetic information, thrombosis and bleeding risk management, IT and preanalytical phase
Role of laboratory diagnostics in modern medicine	03-10-2014	Trends, directions and challenges of modern laboratory in different areas of medicine
Thrombosis issues: from laboratory to clinicians and backwards	26-11-2014	From pre-analytics to automation: how to handle coagulation, diagnosis of HIT, new anticoagulants, thrombin generation, Soluble complexes of fibrin monomers, management of therapeutic strategies in thrombosis

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
12th Baltic Congress of Laboratory Medicine	September 18-20, 2014	Co-organizer of the Congress

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 the member of IFCC, EFLM and Clinical and Laboratory Standards Institute (CLSI); partner of The Global World Thrombosis Day Movement		

MACEDONIA

MACEDONIAN SOCIETY OF MEDICAL BIOCHEMISTRY AND LABORATORY MEDICINE (MSMBLM)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Sideropenic Anemia in the Region of Mavrovo-Rostushe Municipality	23.05.2015	Sideropenic Anemia
Measures for Primary Prevention of Colorectal Cancer (CRC) in Bitola Municipality	12.12.2014	Colorectal Cancer (CRC)
The Importance of Diagnostic Laboratory in the Monitoring of In-Vitro Fertilization (IVF) Cycles	12.12.2014	In-Vitro Fertilization (IVF) Cycles
Chemotherapy for Breast Cancer with Emphasis on Biochemical Tumor Markers	07.11.2014	Tumor markers and breast cancer

MEXICO

MEXICAN ASSOCIATION OF CLINICAL LABORATORY SCIENCES



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
8o. INTERNATIONAL CONFERENCE OF QUALITY (BIORAD FOR MEXICO AND LATIN AMERICA)	October 6th, 2014	QUALITY AND ACCREDITATION, THE COST OF QUALITY, AND RISK MANAGEMENT
7o. SIMPOSIUM OF BLOOD BANK OF THE STATE OF VERACRUZ (ICTZE GROUP)	November 22nd, 2014	NEW PROCEDURES AND TECHNIQUES FOR BLOOD CELLS SEPARATION. INTRODUCTION TO QUALITY MANAGEMENT SYSTEMS IN BLOOD BANKING

Education
COURSES ON: <ul style="list-style-type: none">• MOLECULAR BIOLOGY IN THE CLINIC DIAGNOSIS• ADDED VALUE TO PATIENT CARE USING QUALITY CONTROL• ENDOCRINOLOGY COURSE (CEL-TEC GROUP)• TRAINING COURSE: WESTGAR MANAGING TRAINING COURSE (CEL-TEC GROUP)• COURSE OVERVIEW ON BLOOD COAGULATION (LICON INSTITUTE)• WEB BASED TRAINING COURSE ON: INTEGRAL APPROACH TO DIABETES (EQUIVER)• THEORICAL-PRACTICAL COURSE IN GENETICS (BIOGEN LABORATORY)

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
CALILAB	November, 2014	MEMBERSHIP PARTICIPATION

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 CORRESPONDING MEMBER C-QM
AMERICAN ASSOCIATION OF CLINICAL CHEMISTRY. LATIN AMERICAN WORKING GROUP. EMERGING COUNTRIES PROGRAM.

Additional information
MUTUAL AGREEMENT OF UNDERSTANDING WITH THE MEXICAN ACCREDITATION ENTITY TO IMPROVE LABORATORY ACCREDITATION AWARENESS.
BLOOD BANK WG AND NATIONAL PANEL OF TECHNICAL EXPERTS IN CLINICAL LABORATORY OF THE MEXICAN ACCREDITATION ENTITY.
ISO 15189 WG, MEXICAN INSTITUTE OF STANDARDIZATION AND CERTIFICATION-
CLINICAL BIOCHEMISTRY STUDENTS' SECTIONS AND STATE CHAPTERS (GUERRERO)
UNIVERSITIES –FACULTY OF CHEMISTRIES ADVISORY ACTIVITIES FOR POSTGRADUATE STUDIES.

NETHERLANDS

**NEDERLANDSE VERENIGING VOOR KLINISCHE CHEMIE
EN LABORATORIUMGENEESKUNDE (NVKC)**



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Annual Conference	9-11 April	Metabolics & screening, Neurodegenerative diseases, Micro RNAs

Education
Continuous Education: 16 January Cytometrics 3 June LC-MS/MS 9 October Intestine Inflammation 17 October Molecular Diagnostics 25 November Obesitas

International relations
EFLM, EC4, IFCC

PARAGUAY

ASOCIACIÓN DE BIOQUÍMICOS DEL PARAGUAY (ABP)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
XVI International Congress of Iberoamerican pharmaceutical organization IX Latin American Congress of the pharmaceutical IX Industry Pharmacist Congress. Expofarma 2014	Asunción- Paraguay, June 4-6. 2014	ABP Auspices
II Congreso Latinoamericano de Endocrinología. 1er Congreso del Capitulo de Endocrinología Ginecológica del Paraguay.	Asunción - Paraguay 13-15 November, 2014	Course Intra Congress "transversality of care of women from infancy to senescence": Coordinator and lecturer Prof. Dr. M. Montserrat Blanes G. Symposium Biological Biochemical studies on different samples: biological variability in gynecology endocrine profiles Prof. Dr. M. Montserrat Blanes Blanes G Argumentative.. Prof. Dr. Juana Ortellado de Canese de Canesse

Education
Briefing: Waste generated in health facilities Law n° 3361. 06/25/2014
PEEC programme 2014. 5 continuing education activities.
Collaboration as co sponsors Specialization Course in Clinical Biochemistry, Microbiology and Haematology, Faculty of Chemical Sciences, National University of Asunción.

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
II Congreso Bioquímico del NEA	Corrientes Argentina, August 27-29, 2014	ABP auspices Course pre congress. Biochemical alterations in the end of life. Symposium Reference Values on Clinical Biochemistry. Assessor jobs in the area Clinical Biochemistry. Posters. Prof Dr. M Montserrat Blanes
XXII Congreso Latinoamericano de Microbiología - ALAM 2014 IV Congreso Colombiano de Microbiología	Cartagena de Indias, Colombia November 4 – 8, 2014	ABP Auspices Speaker Prof Dra Juani Ortellado de Canese
VIII Congreso Argentino de Calidad en el Laboratorio Clínico. VI Jornada Latinoamericana de Calidad en el Laboratorio Clínico	Mar del Plata Argentina November 5-8, 2014	ABP Auspices. Conference Quality Criteria in the use of diagnostic tests. Dr. Graciela Velazquez Symposium: Anemias New Approaches .Anemias and parasitosis. Prof Dr. Andres Canese

Regional relations
International Foreign Department ABP. Prof Dra M Montserrat Blanes G:
II NEA Congress Corrientes Argentina. August 2014. Meeting at the CUBRA President Dr. Alejandra Arias. Meeting with organizing committee CUBRA Congress Catamarca 2015. Brokerage relationship with José Luis Castaño Foundation SEQC Foun. Based on experience ABP.
At the First International Congress of the Bolivian Society of Clinical Biochemistry. . 9th departmental meeting SBBC Filial Sta Cruz Bolivia 4-7 September 2014, meeting with members of the Executive Committee COLABIOCLI. President Dr. Carlos Navarro and Secretary Dr. Manuel Arca. Topic, auspices of the 7th National Congress of Clinical Biochemistry in May 7-9, 2015
Meeting with President of the Bolivian Society of Clinical Biochemistry. Dr. Alvaro Justiniano under the International Course "Laboratory in Thyroid and Hypothalamus Function. Tarija Bolivia October 22-24 Topic. Congress COLABIOCLI September 2015. Quito Ecuador.

International relations
XXII IFCC WorldLab Congress Istanbul June 22-26, 2014. 26 th National Congress of the Turkish Biochemical Society (TBS 2014)
Designation to the Abstract Revision Committee (ARC) Prof Dra M Montserrat Blanes G. "ISO 15189 and accreditation in laboratory medicine" "Distance education/e-learning"
Participation meeting.
<ol style="list-style-type: none"> 1. XXII triennial Meeting of council 2. Working group Iberoamerican nomenclature and Translation. RIA Corner. Diagnostic In Vitro Editorial Committee . Final report. Welcome to new chair Maria del Carmen Pasquel SEBIOCLI Ecuador. 3. Prof Dra M Montserrat Blanes (Chair 2008-2013). 4. Conference and Congress Committee. Prof Dra M Montserrat Blanes G. Corresponding member 5. Quality Control Committee, EMD. Report Dra Graciela Velazquez (2103-1014) for excused absence was represented for Prof. Dra. M. Montserrat Blanes G. 6. POCT Satellite Meeting Presentations. Dra Elizabeth Guillen. Member to Task Force
Glucose meter evaluated critical care. TF-GMECC
Representations ABP member
National Representative ABP IFCC Prof Dra M Montserrat Blanes G
Conferences and Congress Committee C-CC Prof Dra M Montserrat Blanes G
Molecular Diagnostics Committee C-MD, SD Prof Dra Graciela Russomando 1st (2013-2015) continues the project Survey and regional data "routine diagnostic by molecular techniques"
Analytical Quality Committee C-AQ Dra Graciela Velazquez. 1st (2012-2014)
Task Force Glucose meter evaluated critical care. TF-GMECC Dra Elizabeth Guillen 1st (2013-2015)

Additional information

Actively participated meetings with the "General Professionals Register". Public Health and Social Welfare Ministry

Meetings to National Accrediting Agency for Higher Education. ANEAES

Numerous meetings for Degrees to University Private Colleges and qualifications to practice in the field of clinical laboratories, under nonexistent names in the General Professionals Register

4 meetings "Recognition of Specialties" in the professional field of clinical Laboratory

POLAND

POLISH SOCIETY FOR LABORATORY DIAGNOSTICS (PTDL)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Regional Meeting of Lubuski Division of Polish Society LD	Feb 27 – Feb 28	3rd Regional Conference "Current clinical and diagnostic problems in laboratory practice"
Regional Meeting of Olsztyn Div of Polish Society LD	Apr 24 – Apr 25	4th Pomeranian – Mazovian Meeting with Diagnostics
Regional Meeting of Bialystok and Bydgoszcz Div of Polish Society LD	May 30 – May 31	"Developments in haematological and immunological diagnostics"
Regional Meeting of Opole Div of Polish Society LD	Jun 13 – Jun 14	"New possibilities and diagnostic horizons of health care – laboratory"
Regional Meeting of Rzeszow Div of Polish Society LD	Sep 18 – Sep 19	Regional Conference of Rzeszow Division
Regional Meeting of Lodz Div of Polish Society LD	Sep 18 – Sep 20	Regional Conference "Lodz meeting with diagnostics"
Regional Meeting of Katowice Div of Polish Society LD	Oct 9	4th Regional Conference "The development of laboratory medicine"
Regional Meeting of Kielce Div of Polish Society LD	Oct 18	Swietokrzyskie workshop
Regional Meeting of Poznan Div of Polish Society LD	Nov 14 – Nov 15	"Pregnancy – different diagnostic approach"
All Div of Polish Society LD	2014	Regular local meetings usually once a month (summer break Jul – Aug)

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
IFCC WorldLab Istanbul	June 2014	30 Posters and 2 oral communications presented by members of Polish Society
10th Symposium for Balkan Region Belgrade	September 8-9th 2014	Plenary Lecture presented by Vice-President of the Polish Society prof.Grazyna Sypniewska
EuroLab focus EFLM-UEMS Joint Congress Liverpool	October 7-10 th 2014	2 Posters presented by Polish Society members
14th EFLM Postgraduate Course Dubrovnik	October 25-26th 2014	2 Course lectures presented by Vice-President of the Polish Society prof.Grazyna Sypniewska, 2 posters presented by Society members
1st Strategic Conference Milan	27-28th November	Participation in the Conference-prof.Grazyna Sypniewska

Regional relations
Joanna Pollak-Siodmiak has a position of a Young Scientist in EFLM WG "Patient focused laboratory medicine"

International relations
Prof.Sypniewska an EFLM delegate as a member of the COC for Euromedlab Athens 2017 participated in the second COC meeting in Athens in November 9-10th 2014.

Additional information
Application of the Polish Society of Laboratory Diagnostics for the organisation of Joint EFLM-UEMS Conference "Laboratory Medicine at the clinical interface" in Warsaw, September 2016 has been accepted. Poland will host the Conference in Warsaw in 2016.

ROMANIA

ROMANIAN ASSOCIATION OF LABORATORY MEDICINE (RALM)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
8th RAML Conference with international participation	May 28-31, 2014 Sibiu	Clinical Laboratory (Hematology, Microbiology, Clinical Chemistry)

Education
In order to support our young colleagues, two awards are granted every year at the annual conferences, one for the best poster presentation and one for scientific activity. As the attendance of residents to the annual conferences is strongly encouraged, ALMR has preferential conference fees for residents and is also offering conference sponsorship for few residents every year.

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
57th Conference of the Hungarian Society of Laboratory Medicine	26-30 Aug 2014	2 presentations

Regional relations
The Publication Division of RAML collaborates with the Croatian Journal Biochemia Medica

International relations
The Romanian Association of Medical Laboratories (RAML) is affiliated to IFCC and EFLM. IFCC and EFLM representatives (Prof. Maurizio Ferrari, dr. Janet Smith) as well as other invited speakers from abroad-prof. Laszlo Muszbek (Clinical Research Centre, University of Debrecen, Hungary), prof. Simon Panzer (Department for Blood Group Serology And Transfusion Medicine, Medical University Vienna, Vienna General Hospital), prof. Renate Panzer Grumayer (Children's Cancer Research Institute, Vienna, Austria), prof. Manuela Neuman (Faculty of Medicine, University of Toronto, Canada) attended the 8th RAML Conference, in 2014.

Additional information
Laboratory medicine professionals in Romania were organized in two societies: the Romanian Association of Medical Laboratories (RAML) and the Romanian Society of Laboratory Medicine (RSLM). At the annual conference the decision was taken to create a unique, stronger society. At a preliminary meeting which took place in September 2014 it was decided that the name of the new society will be the Romanian Association of Laboratory Medicine (RALM). The creation of the new society is a work in progress, because of the legal steps that have to be done. A temporary board was nominated, which will be in charge until the first RALM Congress in 20-23 May 2015, when elections will be organized.

RUSSIA

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



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
XIX All-Russian Conference	March 25-27, 2014, Moscow, Russia	Consolidation of science and practice in laboratory medicine
XVIII Forum "National days for Laboratory Medicine of Russia" with international participation	October 1-3, 2014, Moscow, Russia	Technological progress in laboratory medicine – clinical perspectives and economical limits

Education
9 Educational workshops in Saint-Petersburg: Automatization in hematology, Flow Cytometry in clinical diagnostics – 23.01.2014; Standardization in Laboratory Medicine in Russia – 20.02.2014; Quality and economical aspect in laboratory medicine – 20.03.2014; Immunohematology for hemotransfusion – 17.04.2014; Lab diagnosis of Hepatitis – 15.05.2014; Urgent Modern Laboratory Diagnostics – 18.09.2014; Modern Urinalysis – 24.10.2014; Coagulation – laboratory diagnostics and test interpretation – 22.11.2014; Blood gases and preanalytical errors 18.12.2014.
9 Educational workshops in city Ivanovo: Protein electrophoresis – 21.01.14; Express analysis – 18.02.14; Urolythiasis – 18.03.14 management; Lab diagnosis of anticoagulant therapy – 15.03.14; Thromboelastography – 20.05.14; Allergodiagnosics – 16.09.14; Lab diagnostics in cardiology – 21.10.14; Lab diagnosis of HIV and AIDS – 18.11.14; Protein electrophoresis – 16.12.14.
4 Webinars in city Kirov: Haemogram – analysis and interpretation; Interpretation of automated Urinalysis, case studies; Procalcitonin and CRP in urgent diagnostics; Non-invasive laboratory methods for diagnosis and screening of tumors. Modern Oncomarkers.
Masterclass for users of immunoenzyme analyzers in city Samara – 12.11.14.
Workshop for user of Cobas b 121 (Omni C) in city Samara – 22.04.14.

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
Lab Diagnostics of Proteinuria	28.04.2014, city Nizhnij Novgorod	Speakers, exhibition
Modern Standards in Rus Lab Medicine. Prophylactic medicine.	27-29.14, city Nizhnij Novgorod	Speakers, exhibition
Interaction of science and practice in lab medicine	24.10.14, city Nizhnij Novgorod	Speakers, exhibition
Lab diagnostics in Diabetes and Atherosclerosis in outpatient condition	16.04.14, city Voronezh	Organization, speakers, exhibition
Diagnostics of Papilloma virus	15.05.14, city Voronezh	Organization, speakers, exhibition
Trombophilia	17.12.14, city Voronezh	Organization, speakers, exhibition
Clinical and laboratory monitoring of thrombophilia	12.11.14, city Samara	Organization, speakers, exhibition
Medical Laboratory Diagnostics – future and innovation	6-7.11.14, Saint-Petersburg	Organization, speakers, exhibition
Quality Assurance of POCT devices	29.09.14, Saint-Petersburg	Organization, speakers, exhibition

Regional relations

Interaction in harmonization of education and training in laboratory medicine between regional departments of RSPSSLM in Moscow, Voronezh, Ufa, Penza, Saratov and Ekatheririrburg – lecturing programs.

Interaction with cardiologists – participation in conference “Innovation and progress in cardiology” 24-26.11. 2014, city Kazan.

Collaboration between high medical Schools between Samara’ department of RSPSSLM and Moscow on topic “Biological variability of metabolism connected with blood groups”.

Interregional workshop “New trends in haemotransfusiology”, city Samara, 11.11.2014.

International relations

1. VISITING LECTURER PROGRAM . Name of Visiting Lecturer: Herbert Stekel. Number of participants: 2506 specialists in Laboratory Medicine. Lecture 1 “ISO 22870 POC and the Role of the Laboratory” - in conference “Quality Assurance of POCT devises” in Sept 29th,2014, St.-Petersburg - 100 specialists. Lecture 2 “International standardization for POCT devises and the Role of the Laboratory” in National meeting “XVIII Forum “National days for Laboratory Medicine of Russia” with international participation in October 1-3,2014, Moscow: 2406 specialists from 73 Regions of Russian Federation and 16 countries: Abkhazia, Austria, Belorussia, United Kingdom, Germany, Italy, Kazakhstan, Canada, Latvia, Moldova, US, Ukraine, France, Czech Republic, Sweden, Japan) in All Russian National Forum “Technological progress in Laboratory Medicine – clinical perspectives and economical limits”, October 1-3, 2014, Moscow, Russian Federation. Presentation was very successful. 100 % auditorium in Moscow and St.-Petersburg made a noted that it was actual, profession, in very good format with nice design of slides. Herbert received a lot of questions especially in Moscow.
2. International conference “Postgenomic methods of analysis in biology and in laboratory and clinical medicine”, city Kazan, 29.10.14-1.11.14.14 - organization, 200 participants.
3. Regional conference with international participants “Quality Assurance of POCT devises” with IFCC participation in Sept.29, 2014, Saint-Petersburg.

Additional information

Publications: Medical Laboratory Diagnostics: programs and algorithms: guidelines for medical specialists. 3d edition. Ed. by A.Karpischenko, Moscow:Geotar-Media:2014:692 (In Russian)

SERBIA

SOCIETY OF MEDICAL BIOCHEMISTS OF SERBIA (DMBS)



National meetings

Name of the meeting	Date	Society’s contribution for the meeting
XIX Congress of the Medical Biochemistry and Laboratory Medicine with international participations	Belgrade, September 9-13, 2014	Patient focused Laboratory Medicine Genetic and non-genetic risk faktors and biomarkers of atherosclerosis Biomarkers of cardiovascular disease: Molecular basis and practical considerations Organization of medical-biochemical laboratories Understanding the role of the biomarkers in the sepsis diagnosis algorithm Management of requests for laboratory investigation thyroid function
SMBS Seventeenth Annual Scientific Conference Ivan Berkeš	December 4, 2014, Belgrade	Presentations of doctoral and master thesis from previous year

Education

Society of Medical Biochemists of Serbia in 2014 organized four CME educational seminars for the members on the following topics:

1. Electrophoresis and immunology techniques in modern laboratory diagnostics
2. Urine analysis – practical and Clinical Significance
3. Laboratory diagnostics in urgent laboratory
4. QM development and application in accredited laboratory
5. Laboratory safety

Regional meetings

Name of the meeting	Date	Society's contribution for the meeting
10th EFLM Symposium for Balkan region	11-12 September, 2014; Belgrade	Pediatric Laboratory Medicine: Some Aspects of Obesity, Metabolic Syndrome, Neonatal Screening, Reference Intervals and Critical Values

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; www.degruyter.com/view/j/jomb)

SLOVENIA

SLOVENIAN ASSOCIATION FOR CLINICAL CHEMISTRY (SZKK)



National meetings

Name of the meeting	Date	Society's contribution for the meeting
Symposium Slovenian Association for Clinical Chemistry and Laboratory Medicine	Zreče, 20 th November 2014	Clinical and laboratory treated during pregnancy
Symposium Slovenian Association for Clinical Chemistry and Laboratory Medicine	Ljubljana, 23th September 2014	Urogenital cancer and laboratory diagnostics
Symposium Slovenian Association for Clinical Chemistry and Laboratory Medicine	Maribor, 30th May 2014	The critical value in laboratory medicine
Symposium Slovenian Association for Clinical Chemistry and Laboratory Medicine	Ljubljana, 13th March 2014	Innovations and clinical research of the Institute for Clinical Chemistry and Biochemistry, University Medical Centre Ljubljana
The Slovenian Laboratory Medicine Day	2nd October 2014	Celebration of the "Slovenian Laboratory Medicine Day"

Education

1. From April to May 2014; Continuous Education Courses for the Medical Laboratory Technicians (5 different topics)
2. 14th Februar 2014; Workshop: Peripheral Blood: Differential Leukocyte count/ Peripheral Differential White Blood Cell Morphology; For Specialist in Laboratory Medicine
3. Th December 2014; Workshop: Fundamentals of Biostatistics in Laboratory Medicine; For Specialist in Laboratory Medicine

Regional meetings

Name of the meeting	Date	Society's contribution for the meeting
14th Postgraduate Continuous Course in Clinical Chemistry and Laboratory Medicine: Diabetes"	Dubrovnik, 25.-25th October 2014	in organization of EFLM, Croatian Society of Medical Biochemists and Slovenian Association for Clinical Chemistry and laboratory Medicine
21th Symposium of Slovenian Association for Clinical Chemistry and LM and Croatian Society of Medical Biochemists and LM	Zagreb, May 2014	in organization of EFLM, Croatian Society of Medical Biochemists and Slovenian Association for Clinical Chemistry and laboratory Medicine

Regional relations

Cooperation: Slovenian Association for Clinical Chemistry and Laboratory Medicine and Croatian Society of Medical Biochemists and Laboratory Medicine

International relations

Active member of the IFCC, EFLM

SOUTH AFRICA

SOUTH AFRICAN ASSOCIATION OF CLINICAL BIOCHEMISTRY (SAACB)



National meetings

Name of the meeting	Date	Society's contribution for the meeting
UNIPATH, Pretora	19-21 September	Unifying Pathology and Lab Medicine in the era of P4 Medicine

Education

Lipidology Workshop given by Prof Marais. 20 delegates attended this workshop that was organized by Dr Magdalena Turzyniecka, University of Kwazulu Natal, Durban

Statistics Workshop was organized 21-24 September in Pretoria after the UNIPATH Congress and was given by Prof Anders Kallner

Metabolomics Workshop was organized by Prof Pillay and Bruker during UNIPATH in Pretoria

International relations

SAACB members are members of several IFCC Committees (9)

SPAIN

SOCIEDAD ESPAÑOLA DE BIOQUÍMICA CLÍNICA Y PATOLOGÍA MOLECULAR (SEQC)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Course, Barcelona	March 5th, 2014	Problems of the woman and fetus during pregnancy.
Course, Madrid	March 11th, 2014	Blood gas analysis
Course, Barcelona	May 29th, 2014	Blood gas analysis
Course, Madrid	April 2th, 2014	Optimization of preanalytical phase
Course, Barcelona	April 7th, 2014	Specialist Training and Research
XII Meeting of Scientific Committee, Madrid	May 12-13th, 2014	Peripheral blood cytology in clinical diagnosis. Study of somatotropic axis. Analytical validation of clinical laboratory tests. Advances in lung cancer: from diagnosis to treatment. Rheumatoid Arthritis: optimization of resources and impact of new treatments
V Quality Symposium, Barcelona	June 3-4th, 2014	Medical Laboratory and Quality
VIII National Congress of Clinical Laboratory	October 15-17th, 2014	
Course, Barcelona	November 27th, 2014	Study of ovarian function and fertility

Education

Annual Educational Programme:

- XVII General Educational Programme 2013-2014..... 811 participants
- I Genetics Educational Programme 2013-2014 372 participants

Regional relations

SEQC has relationships with:

- the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM)
- the Federation of European Societies on Trace Elements and Minerals (FESTEM)
- the Ibero-American Working Group WG IAN through "Radio Microscopio"

International relations

SEQC has relationships with the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC).

Additional information

SEQC organizes the following EQAS programs:

- Extranalytical processes : Preanalytical and Indicators
- Biochemistry : General biochemistry tests in serum and urine, Hormones, TDM, Proteins, Blood gas, POCT, Cardiac markers, Tumour markers, Trace elements, Autoimmunity, Monoclonal components and Drug abuse.
- Microbiology and Serology

Nowadays there are 700 centers participating in these programs with a total of 5000 inscriptions.

SWEDEN

SWEDISH SOCIETY FOR CLINICAL CHEMISTRY



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
In 2014 the annual national Swedish meeting was co-hosted with the Nordic Meeting in Gothenburg; XXXIV Nordic Congress in Clinical Chemistry	March 5th, 2014	

Education
Courses in statistics (Stockholm) and hematology (Umea) were arranged

SWITZERLAND

SWISS SOCIETY FOR CLINICAL CHEMISTRY (SSCC)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Annual Assembly of the Swiss Society of Clinical Chemistry	29. - 31.10.2014	Laboratory medicine – from the production of results to patient oriented interpretation / POCT – competition for the central laboratory? / Reference Intervals – evaluation, verification and use / The pre-analytical phase / Emergency department and Clinical Chemistry / Drugs of abuse: screening and confirmation / Modern analytics of cerebrospinal fluid
Molecular Diagnostics 2015	27. - 28.02.2014	EBV Diagnostics, Reactivation and Lymphomas / Darpins in Allergy / Relevance of Gene-Environment-Interactions in the Development of Allergy / Bacterial Flora: Role in Health and Disease / Genome Wide and Candidate Gene Studies in Cardiovascular Disease / Epigenetics of Ageing and Senescence / Age and de novo Mutations / Analysis of Chimerism in Transplantation / ROS – Friend or Foe / Isothermal Amplification in Molecular Diagnostics of Sleeping Sickness / Next Generation Sequencing can replace Sanger Sequencing in Clinical Diagnostics

Education
Annual education program: 10 one or two day courses in general laboratory management and in some specific topics.

TAIWAN

CHINESE ASSOCIATION FOR CLINICAL BIOCHEMISTRY



National meetings

Name of the meeting	Date	Society's contribution for the meeting
The 29th Joint Annual Conference of Biomedical Science (JACBS)	March 15-16, 2014	Laboratory informatics

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 2014. CACB held annual conference on March 15th, and its constitution was amended. Although there is no legislation for professional medical technologist specialized in clinical chemistry yet, CACB will still 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 29th Joint Annual Conference of Biomedical Science (JACBS) held at the National Defense Medical University Campus on March 15-16, 2014, we invited Dr. Sunil Sethi, Associate Professor and Head and Senior Consultant Chemical Pathologist of Department of Laboratory Medicine at National University Health System in Singapore, to deliver a special lecture on "Managing Laboratory Informatics, Middleware and Process Control". He is also the 2014 APFCB Travelling Lecturer. He shared valuable experiences with us in development and implementation of a fully automation of chemistry test as well as critical result reporting platform. CACB also organized a symposium "Laboratory informatics" continuing the discussion from the special lecture. Three speakers shared the experiences in the establishment of laboratory information system in two major hospitals in Taiwan, and a successful private clinical laboratory, Union Clinbio Lab Intl. Co., Ltd. Mo Siu-Mei Lee, Vice Director of Department of Laboratory Medicine in National Taiwan University Hospital, presented "Laboratory Information System Integration and Process Innovation: National Taiwan University Hospital Experience". Hsiao-Chen Ning, Chief Technologist of Clinical Virology and Laboratory Management and Accreditation in Chang Gung Memorial Hospital, addressed "Enhancing Value of Clinical Diagnostics in Patient Care through Innovative Integrated IT Process Management". Dr. Min-Long Lai, Laboratory Director of Union Clinical Laboratory, spoke on "Laboratory Information and Automation System". Following the symposium, a student's research poster contest was also held. Overall, the two-day conference was very successful and truly an enjoyable academic gathering for the attending members of CACB.



29th Joint Annual Conference of Biomedical Science: CACB Board Members and special lecturer Dr. Sunil Sethi.

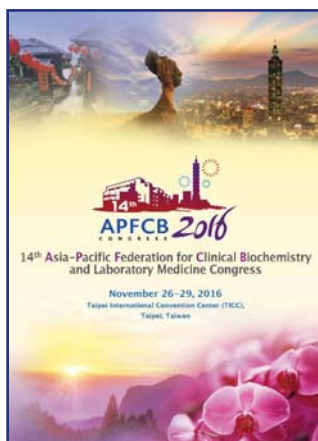
Regional meetings

Name of the meeting	Date	Society's contribution for the meeting
IFCC Council Meeting & IFCC- WorldLab 2014	June 22-26, 2014	Attendance of IFCC Council Meeting;

Regional relations

CACB participated in IFCC Council Meeting & IFCC- WorldLab 2014 in Istanbul on June 22-26, 2014, and also exhibited for the promotion of the next 2016 Congress in Taipei.

It is a great honor for CACB to have the opportunity to host the 14th APFCB Congress 2016 in Taipei, Taiwan. President Woei-horng Fang, together with executive board member Shu-Chu Shiesh, attended IFCC- WorldLab 2014 in Istanbul in June, 2014. Prof. Shu-Chu Shiesh also presented three scientific posters in the conference. In order to promote the APFCB Congress 2016, we exhibited Congress announcements flyers and postcards as well as small warm welcome gifts at the booth area. More than five hundred participants dropped by and received Congress information. The Sponsorship Prospectus was also delivered to the companies interested. In addition, Dr. G. Beasall, Past President of IFCC, Dr. H. Morris, Past Vice President of IFCC, Dr. M. Ferrari, President of IFCC, Dr. I. Young, Chair of Scientific Division of IFCC, and Dr. Steven Wong, President of AACC, were all invited to International Advisory Board of our Congress Organizing Committee. We already invited Dr. H. Morris to give a special lecture in CACB annual conference 2015 in Taipei. We also tried to invite Dr. G. Beasall to deliver a keynote speech in the APFCB Congress 2016. We sincerely invite you to participate in the 14th APFCB Congress in Taipei on Nov. 26-29, 2016, and also visit our beautiful island.



Exhibition in IFCC Council Meeting & IFCC- WorldLab 2014 in Istanbul



Exhibition in IFCC Council Meeting & IFCC- WorldLab 2014 in Istanbul.

Regional relations



Dr. G. Beastall, Past President of IFCC, and Dr. Woei-horng Fang, President of CACB in IFCC Council Meeting & IFCC- WorldLab 2014 in Istanbul.



Dr. M. Ferrari, President of IFCC, and Dr. Woei-horng Fang, President of CACB in IFCC Council Meeting & IFCC- WorldLab 2014 in Istanbul.

Additional information

CACB supported several scientific symposiums in 2014.

CACB is actively communicating and collaborating with other scientific societies in Taiwan. The international symposium "Recent Advance in Endocrine Laboratory Medicine" was organized by The Endocrine Society of the Republic of China (Taiwan) under the auspices of CACB held in Taipei International Convention Center (TICC) on June 28, 2014. The proteomic approach and next generation sequencing in the aspect of the diagnoses of endocrine disorders were discussed. Another symposium "Writing and Submitting Research Papers or Proposals" was organized by The Chinese Physiological Society also under the auspices of CACB held in Taipei on Sep. 20, 2014. A number of senior scientific researchers were sharing their valuable experiences during the meeting.

TUNISIA

SOCIÉTÉ TUNISIENNE DE BIOLOGIE CLINIQUE (STBC)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
National Meeting of Clinical Biology	Mai 15th-16 th & 17 th 2014	

Education			
Date	Place		Participation
31-01-2014	Tunis	Problems of interpretation in immunohematology	38
28-02-2014	Gafsa	Interpretation and validation of complete blood count	55
13-03-2014	Tunis	Blood products "medicines", "biotherapy" or "drugs"	70
29-03-2014	Ain Draham	The internal quality control in biochemistry	30
04-04-2014	Monastir	Biology of pregnancy	61
30-05-2014	Tunis	The puncture liquids	60
13-06-2014	Tunis	Spermoculture and diagnosis of vaginal infections	50
26-09-2014	Sfax	Hemoglobinopathies: Diagnosis and difficulties of interpretation of electrophoretic profiles	50
22-10-2014	Sousse	Molecular Biology Techniques in Clinical Biology	56
21-11-2014	Tunis	The biological diagnosis of malaria	42
11-12-2014	Sfax	Blood cytology	15

TURKEY

TURKISH BIOCHEMICAL SOCIETY (TBS)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Conference	January 8, 2014, Izmir	Validation of total laboratory performance during accreditation process: quality indicators and six sigma
Conference	March 19, 2014, Izmir	Biochemical approaches to medical textiles
Symposium	May 7, 2014, Ankara	Sepsis biomarkers Sepsis pathogenesis
Conference	June 4, 2014, Izmir	Multimedia support for teaching and learning
Symposium	June 4, 2014, Ankara	Point-of-care testing in general Blood gases as POCT Glucose meters and national standardisation
Conference	June 19, 2014, Ankara	Point-of-care testing in US
Conference	July 7, 2014, Ankara	Molecular mechanisms of human DNA excision repair
Symposium	October 16-18, 2014, Malatya	Main topics of laboratory management such as: <ul style="list-style-type: none">• Accreditation• Laboratory errors• Traceability, standardisation and harmonisation• Laboratory data algorithms• Total quality management• Quality indicators• Method validation and verification• Laboratory information management systems• Biological variation and reference ranges• Rational test requesting• Laboratory safety• Disposal of laboratory waste
Conference	October 9, 2014, Izmir	From the clinics to the basics (and vice versa) for urea cycle disorders: carbomoyl phosphate synthetase deficiency as an example
Conference	October 23, 2014, Izmir	Amaurotic idiocy and the elucidation of gangliosidosis
Conference	November 18, 2014, Izmir	Biochemical and biotechnological applications in technoparks
Conference	December 1, 2014, Ankara	Aging, cancer and telomerases
Conference	December 17, 2014, Izmir	Renal function in Alzheimer disease

Education

Translation and publication of "Pocket Guide to Diagnostics Tests, 6th edition" (Lange), Ankara

Course: Real time PCR and Western blot: New technologies and clinical applications, May 26-27, Istanbul

Course: Efficient use of information technology by laboratory specialists, October 16, 2014, Malatya

TBS supports 130 young scientists in Worldlab 2014.

TBS supports more than 100 young scientist in national congress.

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
XIII International Congress of Pediatric Laboratory Medicine – ICPLM 2014	January 8, 2014, Izmir	Validation of total laboratory performance during accreditation process: quality indicators and six sigma
Course: LC-MS/MS in clinical laboratory	TBS was one of the organising bodies.	Biochemical approaches to medical textiles
	June 22, 2014	TBS organised the course.
PoCT satellite meeting	June 22, 2014	TBS organised the meeting.
Worldlab 2014 Congress	June 22-26, 2014	TBS organised the congress together with IFCC.

Regional relations

TBS supported a reference ranges study in all regions of Turkey.
TBS participated in working groups of Ministry of Health and Turkish Chamber of Physicians.

International relations

TBS participates in studies of working groups and task forces of IFCC committees.
TBS represents other scientific or professional bodies in Turkey such as EFLM, BCLF, IUBMB, FEBS, and WASPaLM.

Additional information

National Congress of TBS will be held in Antalya, November 3-6, Antalya
FEBS 2016 Congress will be held by TBS in Izmir (September 3-8, 2016).

UK

THE ASSOCIATION FOR CLINICAL BIOCHEMISTRY & LABORATORY MEDICINE (ACB)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Frontiers in Laboratory Medicine (FiLM), Birmingham	28-29 January 2014	Leading edge innovations in the delivery of laboratory medicine services
EuroLabFocus, Liverpool	7-9 October 2014	Scientific and Clinical presentations on leading topics by international experts

Education
In addition to the above, 2 training courses for trainees and a training day prior to the EuroLabFocus meeting

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
All nine regions hold scientific and clinical meetings at least twice a year on a wide variety of topics	Multiple	All organised wby the ACB

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 Laboratory Medicine 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.

USA

AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY (AACC)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
AACC Annual Meeting and Clinical Lab Expo	July 25-31, 2014 Chicago, IL	Multiple topics in laboratory medicine
Emerging Clinical & Laboratory Diagnostics: The Portable Lab	April 24-25, 2014 San Jose, CA	Emerging technology
Bringing Molecular Testing into the Clinical Lab: A Roadmap to the Basics and Beyond	May 29-30, 2014 Washington, DC	Molecular Diagnostics
Critical and Point-of-Care Testing: Real World and Emerging Applications for Improved Clinical Outcomes	September 18-20, 2014 San Diego, CA	Point-of-care Testing
Mass Spectrometry in the Clinical Lab: Best Practices and Current Applications	October 9-10, 2014 St. Louis, MO	Mass Spectrometry
Laboratory Automation: Smart Strategies, Successful Outcomes	December 4-5, 2014 Orlando, FL	Laboratory Automation

Education	
On-line Education	
1/7/2014	Waste Not Want Not: Tips and Tricks for Reducing Waste in the Clinical Lab
1/15/2014	New Developments in Diagnosing and Managing Gestational Diabetes
1/21/2014	Career Essentials: 10 Ways for Chemists, Techs, and Other Lab Professionals to Increase Their Value
2/4/2014	Rational Utilization of Clinical Laboratory Testing
2/11/2014	Personalized Medicine: An Update on HER2 Testing
2/26/2014	A Q&A With the FDA on the RUO/IUO Final Guidance
3/11/2014	Assessing Cardiovascular Risk in Women Considering Menopausal Hormone Therapy
3/19/2014	New Blood Glucose Meter Guidance Unveiled: A Discussion with the FDA
4/8/2014	Why Lean Implementations Usually Fail and How to Overcome the Odds
4/16/2014	Moments from Disaster: Laboratory Preparation and Response
4/29/2014	Mass Spectrometry Applications in Designer Drugs of Abuse Testing
4/29/2014	Expanding the Lab Leader's Role on the Healthcare Team
5/7/2014	The New Clinical Laboratory Fee Schedule: How Will It Affect Your Lab?
5/13/2014	Mass Spectrometry 101
5/15/2014	Teambuilding Skills for Clinical Lab Leaders
5/28/2014	Standardizing Protocols and Policies for More Efficient Allergy Testing
6/10/2014	Post-Analytical Optimization of Newborn Screening by Tandem Mass Spectrometry
6/18/2014	Investigating Negative Drug Test Results in the Suspected Overdose Patient
6/24/2014	Anemias and Hemoglobinopathies: What Lab Leaders Can Do to Enhance Diagnosis and Management
6/25/2014	The Connectivity Gap: Interfacing LC-MS and Automating Data Review
7/8/2014	The Drive to Define "Normal": The 99th Percentile Value of Cardiac Troponin
7/16/2014	Using BGM in a Hospital Setting – A Q&A with CAP and CMS
7/17/2014	A New Era in Cervical Cancer Screening
8/7/2014	Quick Takes on Quality Assurance in Hemostasis
9/2/2014	Stroke Biomarkers: Current Status, Future Promise
9/10/2014	The New LDT Guidance: A Q&A with the FDA
9/18/2014	CVD Risk Prediction: The Evolving Role of Laboratory Testing
9/23/2014	Taking a Data-Driven Approach to Solving Common Pre-Analytical Problems
9/23/2014	Clinical Consultation Opportunities in Pain Management
10/7/2014	Developing a Plan for Specimen Management and Testing of Patients with Emerging Viruses
10/14/2014	Celiac Disease: Advances in Diagnosis and Testing
10/21/2014	The Lab's Expanding Role in Newborn Screening
11/11/2014	Progress and Challenges in Antiphospholipid Antibody Testing
11/13/2014	Lessons from the Front Lines: Labs Share Experiences with Ebola Testing
11/17/2014	Using CPOE, Test Formulary and Algorithm to Control Test Utilization

Education

11/18/2014	Recent Developments in Hepatitis C
11/19/2014	Clinical Applications of Recently Approved Biomarkers of Acute Kidney Injury
11/20/2014	Using LC-MS/MS versus Immunoassay for Thyroid Testing
12/2/2014	Trends in Flow Cytometry
12/3/2014	Current Issues in Proficiency Testing
12/4/2014	Laboratory Reimbursement Update 2015
12/9/2014	Current Issues in Laboratory Testing for Rheumatoid Arthritis
12/11/2014	Understanding and Managing Interferences in HbA1c Testing
12/16/2014	Evaluating Vitamin D Testing Technologies: What's Right for Your Lab?

Spanish Language Webcasts

Posted-9/9/2014	Choosing the Right Quality Control
Posted-9/9/2014,	Implementation of Internal Quality Control in the Clinical Laboratory
Posted-12/17/2014	Good Quality Control Practices
Posted-12/17/2014	Practical Tips for Maintaining a Good Quality Control Program

Virtual Conference

10/28-29/2014	Personalized Diagnostics Today
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Regional meetings

Name of the meeting	Date	Society's contribution for the meeting
Adding Value to Patient care Using Quality Control	May 16-17, 2014 Veracruz, Mexico	Colegio Mexicano de Ciencias de Laboratorio Clinico (CMCLC).

International relations

AACC and the Canadian Society of Clinical Chemists signed a joint MOU establishing the North American Federation for Clinical Chemistry and Laboratory Medicine (NAFCC)

AACC and the Asia-Pacific Federation for Clinical Chemistry and Laboratory Medicine (APFCB) signed an MOU for the purpose of developing a general framework for collaboration between AACC and APFCB in areas of mutual interest that support the mission and goals of both organizations.

AACC and the Chinese Society of Laboratory Medicine (CSLM) signed an MOU for the purpose of developing a general framework for collaboration between AACC and CSLM in areas of mutual interest that support the mission and goals of both organizations.

AACC maintains a continuing collaboration with the Korean Society for Laboratory Medicine for educational exchange.

VIETNAM

VIETNAMESE ASSOCIATION OF CLINICAL BIOCHEMISTS (VACB)



National meetings

Name of the meeting	Date	Society's contribution for the meeting
Scientific Meeting of the VACB of 2014	22- 23 august 2014,Thai Nguyen City	Clinical Biochemistry, Molecular omics,Endocrinology,Immunology,QA& QC,Tumor markers
2nd Vietnam Point of care patient testing Workshop	10 June 2014,HoChiMinh-City	POCT
Turning science into caring(TSIC)	20-21 october 2014, HoChiMinh-City	

Education

6th Chemical Pathology Course 2014 under IFCC and APFCB auspices. 10 June 2014 in Hanoi, about 250 participants; 14 June 2014 in HoChiMinh-City with 350 participants.

AFFILIATE MEMBER SOCIETIES

INDIA

ASSOCIATION OF MEDICAL BIOCHEMISTS OF INDIA (AMBI)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
Annual Conference 22nd AMBICON 2014	13th – 16th November 2014	Theme: Biochemistry as clinical ityBiology, Proteomics, Endocrinology, Immunology, QA & QC, Tumor markers
The Annual conference was held at Sri Venkateshwara Institute of Medical Sciences, Tirupati. Approximately 800 delegates of which more than half were Post graduate medical students special- izing in clinical biochemistry		Highlights: 1. Symposium on Quality management 2. Webinar by Dr. Graham Jones, Sydney Australia – Uncertainty of Measurement 3. 6 orations 4. Free papers 5. Posters 6. Young scientist award (less than 35 years) 7. Post graduate students – Quiz
		Yet another first was inviting medical students as zonal representatives after a quiz selection online, who had just completed clinical biochemistry in their curriculum. This idea was to promote an interest in medical students in clinical chemistry as specialization.

Education
<p>Regular symposia and continuing medical education programmes are regularly done by teaching institutes, teaching hospitals. The topics commonly covered during the year were:</p> <ol style="list-style-type: none"> 1. Quality ISO 15189:2012 2. Haemoglobin variance 3. Plasma dyscrasias 4. Electrolyte and acid base disorders 5. Thyroid functions 6. Renal and cardiac disorders 7. Endocrinology <p>Members have participated in poster and oral presentations at IFCC, Istanbul.</p>

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
Work shop – Metabolic Syndrome, Merut	29th January 2014	Symposia
CME – An approach to Immunological Derangements, Bhubaneswar	15th February 2014	Lectures
CME – From bench to bed-side, New Delhi	6th March 2014	Quiz
Recent advances in clinical chemistry, Aurangabad	5th & 6th April 2014	Talks by senior faculty of medicine, nephrology, cardiology, molecular and genetics. Poster and free paper presentations by young students and Junior faculty
NZAMBICON - Emerging role of Biochemistry in Medical Diagnosis and Management, Faridkot	5th, 6th April 2014	Reasearch methodology
CME - Get together on Molecular Biology, Tamil Nadu	30th April 2014	Hands on work shop
Laboratory Medicine and research-Bridging the gap in medicine, Karnataka	11th & 12th September 2014	How to write a paper for publication
MID-TERM CME - Endocrinology Update, Patiala	28th September 2014	(All regional meetings more or less cover on this pattern)
CME - NABL – Impact on Laboratory Medicine, Surat	28th September 2014	

Regional relations

All members of AMBI travel far and wide in the country to interact with chapters other than their own which enables interaction on each other's working, both in educational curriculum and hospital diagnostics. Senior members are regularly invited to deliver talks in their field of proficiency. Post graduate students specialising in clinical chemistry and younger faculty of this field are encouraged to participate in various activities of these regional meets.

All activities are updated to the Head office at Bangalore and the executive Committee of which the Honorary secretary plays a major role in coordinating all activities.

International relations

Dr.Shanthi Naidu Kamatham: Corresponding member on the Task Force CKD

Dr.Sanjeevi Rao: Corresponding member Web editor

Dr.Pradeep Dabha: Chairman – Task Force Young Scientists

Dr.Shanmuga Priya: Corresponding member – Task Force Young Scientists

Dr.Animesh Bardoli: Corresponding member – APFCB C-CC Committee

Dr.Jasbinder Kaur: Corresponding member – APFCB – Education Committee

Regularly at all Annual conferences we try to invite speakers from other countries to deliver lectures and take part in a deliberations. In 2013 we had Dr.Graham Beastall, Dr.Graham Jones, Dr.Udayan Ray, Prof. Joseph Mc Connell. In 2014 we had Dr.Graham Jones deliver a lecture by Webinar.

Members have been selected for travel fellowship at both IFCC and APFCB over the past couple of years

Additional information

The Association first formed in 1991-1992 with hardly 25 members is now having membership of nearly 1500. Encouragement is given to young members to participate in all academic activities and get maximum exposure to improve their careers.

MEXICO

FEDERACIÓN NACIONAL DE QUÍMICOS CLÍNICOS (CONAQUIC A.C.)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
XVII Congress for Quality Assurance in Clinical Laboratory Oaxaca 2014	14 al 16 March 2014	<p>COURSES</p> <ul style="list-style-type: none">• Biosafety in the clinical laboratory.• Workshop Immunohematology.• Internal quality control in parasitology.• Internal quality control in clinical bacteriology.• Statistics applied to internal quality control in the clinical laboratory.• Interactions of drugs and methodological issues in the study of interference.• Quality control in the clinical laboratory.• Transition between traditional CCI and CCI planned.• Quality control in hematology.• Quality control in morphology.• Quality control of hemostasis. <p>CONFERENCES</p> <ul style="list-style-type: none">• Verification of analytical methods, the first step in the implementation of quality control.• Stress hormones.• Verification and obtaining reference limits.• Quality control sampling in clinical bacteriology.• Importance of interference of drugs for clinical laboratory tests.• Myths and realities of stool.• Quality control in body fluids.• Comparison between the identification of pathogenic yeasts between traditional and automated methods.• Quality control in protein electrophoresis.• The quality in clinical laboratories and blood banks. Current Panorama of Mexico.• Quality assurance of molecular diagnosis of tuberculosis in childhood.• Pap Triumph and tragedy.• Update on the clinical diagnosis of urinalysis and its relation to the pre-analytical variability.• Metabolic Syndrome and its impact on renal function.• Steps for the diagnosis of acute leukemias.• Hemostasis.• Updated WHO manual on the study of semen analysis and quality control.• Biology, Proteomics, Endocrinology, Immunology, QA& QC, Tumor markers

National meetings		
Name of the meeting	Date	Society's contribution for the meeting
XXXVIII National Congress of Clinical Chemists and Campeche ExpoQuim 2014	8 al September 13, 2014	<p>THEORETICAL COURSES WITH LABORATORY</p> <ul style="list-style-type: none"> • Autoimmune diseases Immunology. • Fungal infections of greater importance in Mexico. • Parasitology - Overview of the stool • Fundamentals diagnostic coagulation tests. • Introduction to molecular diagnosis. • Update on laboratory techniques in reproductive medicine for the diagnosis of the infertile couple. <p>THEORETICAL COURSES / DEMONSTRATIVE</p> <ul style="list-style-type: none"> • Update ISO 15189 - 2012 • Selected topics in immunology. • Customer Care, latest trends. • Innovative parameters in hematology and clinical application. • Clinical importance of the study of electrophoresis of serum and urinary proteins. • External Quality Assessment and its statistical interpretation. • R.P.B.I. • Cancer and growth factors. • Analysis and discussion in diagnostic laboratory cervicovaginal diseases. • Inmunohematology applied to transfusion medicine. • Methods for measuring adherence in patients with chronic and / or degenerative Cornish. • Studies bioequivalencia and biocompatibility of drugs. • Quality tools and business strategies to transform the laboratory. • Tuberculosis and mycobacteriosis. • Preanalytical phase of urinalysis. • Preanalytical phase of acid-base and blood gases. • Preanalytical phase of collecting venous blood samples. • Resolution of cross incompatible test. • Criteria serological and molecular diagnosis of hepatitis C. <p>CONFERENCES</p> <ul style="list-style-type: none"> • Leadership influential to the success of organizations. • Pathologies caused by Malassezia SPP. • Biological and molecular bases of appetite. • Customer service, latest trends. • Application of PCR - sequencing in the etiologic diagnosis of mycosis. • Genetic studies of families using postprandial and transcriptome. • Study of bioavailability and bioequivalence of drugs for tuberculosis. • What is and how to generate my privacy notice. • Nutritional Biochemistry: macronutrients as hormonal bookmarks. • Immune Regulation in ankylosing spondylitis. • Parasitic diseases diagnosed during the review of the urinary sediment. • Update on the pathophysiology and treatment of diabetes. • Symposium of Endocrinology. • Phage therapy as an alternative in the treatment of infectious diseases. • Pests ingested food. • Clinical Applications diagnosis of classical cytogenetics.

National meetings

Name of the meeting	Date	Society's contribution for the meeting
		<ul style="list-style-type: none"> • The other hormones are not famous but ... • Laboratory diagnosis of diseases of the urinary tract. • Aspects of prenatal cytogenetic diagnosis. • The molecular diagnosis genomic diagnosis: towards predictive and personalized medicine. • Larvicide hirdróxido parasiticide of micronized calcium activity. • Medical Technology. • Practical aspects of DNA testing: identifying individuals and exclusion of paternity. • Technological advances in the diagnosis of inborn errors of metabolism. • Immunology pandemic influenza virus. • Perinatal hemolytic disease. • Utility and chemical interpretation of dimer D. • Dendritic cells cancer immunology. • Leishmania: an ancient parasitosis. • Diagnostic techniques of invasive fungal infection. • The role of viruses in the development of autoimmune diseases. • Neonatal metabolic sieve. • Importance urine electrophoresis in the diagnosis of proteinuria. • Symposium immunology. • Alterations dek coagulation system in pregnant women. • Nutraceuticals and its relation to chronic degenerative diseases primarily cancer. • Molecular diagnosis of mycobacteriosis and tuberculosis. • Thrombophilia • Introduction to molecular biology. • Prescriptive Report of national research work in zoonotic parasitology. • Interpretation of coagulation tests. • Thyroid Cancer. • Therapeutic use of stem cells. • Symposium clotting. • Updating and implementing the study of semen, according to the WHO manual 5th edition for the study of infertile couple. • Monoclonal gammopathy of undetermined significance and malignant.

Education

- PUEBLA - Diploma in Autoimmune Diseases - from June 2013 to January 2014
- CAMPECHE - Diploma in Clinical Immunology - from October 2013 to January 2014
- HERMOSILLO - Infectious Immunology Workshop - January 20, 2014
- CD. OBREGÓN - Workshop Haemostasis - January 20, 2014
- TLAXCALA - Diploma in Endocrinology - March 21, 2013 to February 21, 2014
- VERACRUZ, SOUTHEAST - Workshop Coagulation - February 2014
- BAJA CALIFORNIA SUR - Course Quality Assurance - February 28 and March 1, 2014
- YUCATAN - Selected Topics Course clinical laboratory - February 28, 1 and 2 March 2014
- SAN JUAN DEL RIO, QRO. - Course of Functional Chemical examination of stool - 3 al 5 March 2014
- PUEBLA - Update Seminar III: Laboratory Nefrourología - 18 al 20 March 2014
- QUERÉTARO - Parasitic Zoonoses Workshop - March 27, 2014
- QUERÉTARO - Course Morphology of Leukemias - 28 and March 29, 2014
- TABASCO - Course Urinalysis - 28 and March 29, 2014
- CD. DEL CARMEN - Course leukocyte Morphopathology 28 - March 30, 2014
- YUCATAN - Diploma in Hematology - February 2013 March 2014
- HERMOSILLO - Course of Hematology - 4 al 6 April 2014
- CAMPECHE - Molecular Biology Workshop - 5 to 6 April 2014
- ZACATECAS - Course Laboratory diagnosis, and tissue intestinal amebiasis - 11 and April 12, 2014
- VERACRUZ SOUTHEAST - Conference "Challenges of Quality in Health Services" - April 15, 2014
- CD. DEL CARMEN - Parasitic Zoonoses Workshop - April 17, 2014
- GUERRERO - Academic Conferences (Parasitology - Hemostasis - Quality Control in Clinical Chemistry) - April 25, 2014
- QUERÉTARO - Erythrocyte Morphology Course - April 25, 2014
- SAN LUIS POTOSI - Course of Bacteriology applied to clinical laboratory - April 2014
- VERACRUZ SOUTHEAST - Workshop Ca breast and uterine cervical Ca - April 2014
- TIJUANA - Diploma in Diagnostic Hematology - from August 2013 to April 2014
- VERACRUZ CENTRO - Diploma in Clinical Endocrinology Diagnostic - April 2014 to March 2015
- CAMPECHE - Parasitic Zoonoses Workshop - May 2, 2014
- CD. OBREGÓN - State Congress (three courses - 10 lectures) - 2 after May 4, 2014
- TIJUANA - Interpretation Workshop General Urine Test - 2 and May 23, 2014
- LOS MOCHIS - Parasitic Zoonoses Workshop - May 8, 2014
- CHIHUAHUA SUR - Course of ovarian function - 9 al 11 May 2014
- SAN JUAN DEL RIO, QRO. - Course Urinary tract infections - 16 and May 17, 2014
- MAZATLÁN - Parasitic Zoonoses Workshop - May 17, 2014
- TIJUANA - Course borne Parasitic canines - May 18, 2014
- LOS MOCHIS - Zoonotic Parasites Workshop - May 19, 2014
- SINALOA - Parasitic Zoonoses Workshop - May 20, 2014
- BAJA CALIFORNIA SUR - Course Hemostasis blood clotting - 20 to May 31, 2014
- MAZATLÁN - Course agglutination reactions as auxiliaries in the clinical laboratory - 23 al 25 May 2014
- Mochis - Refresher Course in Endocrinology - 23 al 25 May 2014
- QUERÉTARO - Course Alterations in the red series - 30 and May 31, 2014
- VALLEYS AND HUAASTECA - Diploma in Diagnostic Hematology - February to May 2014
- VERACRUZ CENTRO - Diploma in Parasitology and microscopy, theory-oriented diagnosis - May 2014 to June 2015
- COLIMA - Course of Bacteriology, Virology, Mycology - 4 al 6 June 2014
- COLIMA - Course of Parasitology, Urinalysis, Sampling - 6 al 8 June 2014
- DURANGO - State Congress and ExpoQuim (14 pre-congress courses and 20 simultaneous conferences) - 7 - June 9, 2014
- PUEBLA - Course of Molecular Biology applied to Dx - 13 al 15 June 2014
- QUERÉTARO - Course Morphology applied to the diagnosis of leukemia - 20 al 22 June 2014
- JALISCO - Course calorie diet for Diabetes Mellitus - 20 al 22 June 2014
- VERACRUZ CENTRO - Clinical Chemistry Course - June 21, 2014
- YUCATAN - Course Haemostasis - 27 al 29 June 2014
- STATE OF MEXICO - Course / Workshop on Applied Immunology - June 2014
- GUERRERO - Diploma in evaluation of the urinary system by the laboratory - from February 14 to June 17, 2014
- TIJUANA - Innate Immune Response Course and adaptive - July 6, 2014
- COLIMA - Course Regulations Clinical Biochemistry - 7 al July 9, 2014
- VERACRUZ CENTRO - Clinical Chemistry Course - July 19, 2014

Education

- VERACRUZ CENTRO - Clinical Chemistry Course - July 19, 2014
- TIJUANA - Course of the new ISO 15189: 2012 - July 27, 2014
- DURANGO - Selected Topics Diploma in Clinical Laboratory - June 2 to July 15, 2014
- TIJUANA - Course biological reference values, verification and adoption - 8 al August 10, 2014
- HERMOSILLO - Course of Hematology - 22 al August 24, 2014
- TIJUANA - Course of Functional examination of the stool - 22 al August 24, 2014
- ZACATECAS - Zoonotic Parasitology Workshop - August 23, 2014
- SAN JUAN DEL RIO, QRO. - Thyroid and Parathyroid Course Function - August 30, 2014
- VERACRUZ CENTRO - Clinical Chemistry Course - August 30, 2014
- GUERRERO - Diploma of Clinical Bacteriology - from January 25 to August 23, 2014
- LOS MOCHIS - Diploma in evaluation of the urinary system by the laboratory - from January to August 2014
- VALLARTA - Course Insulin Resistance, Metabolic Syndrome - September 12, 2014
- GUERRERO - Diploma in Diagnostic Hematology - from January 18 to September 20, 2014
- SALTILLO - Course / Theoretical / Practical Clinical Microbiology - 27 and September 28, 2014
- MAZATLÁN - Selected Topics Course Clinical Laboratory - October 8, 2014
- SAN LUIS POTOSI - RPBI Workshop - October 20, 2014
- OAXACA - Selected Topics Course Clinical Laboratory - 24-al October 26, 2014
- STATE OF MEXICO - Endocrinology Course - October 25, 2014
- JALISCO - Hematology Workshop "White Series" - October 30, 2014
- NAYARIT - Diploma in Hematology - October 2014 to July 2015
- STATE OF MEXICO - State Congress (15 lectures) - 7 al 9 November 2014
- CHIAPAS - Selected Topics Course Endocrinology - 8 and 9 November 2014
- CHIAPAS - Urinalysis Course - 14 al 16 November 2014
- CD. DEL CARMEN - Academic Journeys "Hemostasis" - 14 al 16 November 2014
- SAN LUIS POTOSI - Selected Topics Course Clinical Laboratory - 14 al 16 November 2014
- TIJUANA - Workshop on Selected Topics of Diagnostic Hematology laboratory-- 21 and November 22, 2014
- AGUASCALIENTES - Course of Clinical Bacteriology - 21 al 23 November 2014
- GUERRERO - Acapulco 2014 (- 10 conferences 8 courses) - State Congress 27 al 29 November 2014
- TABASCO - "Chemist Day" (10 c0nferencias) State Congress - 27 al 29 November 2014
- SINALOA - Workshop November 29, 2014
- SINALOA - Conferences (Hematology - PSA - Thyroid Function) - November 29, 2014
- MAZATLÁN - Course Verification methods of clinical laboratory - 29 and November 30, 2014
- CHIAPAS - Diploma in Clinical Haematology - from May to November 2014
- VERACRUZ CENTRO - Diploma in Clinical Bacteriology - November 2014 to September 2015
- OAXACA - "Day of Chemical and ExpoQuim" (16 lectures) State Congress - 4 al 6 December 2014
- VERACRUZ CENTRO - IV National Congress of Clinical Chemistry (10 lectures) - 4 al 6 December 2014
- LOS MOCHIS - Workshop General Significance of Urine Test in the Diagnosis - December 10, 2014
- CHIAPAS - Course Haemostasis - 12 al 14 December 2014
- CAMPECHE - Academic Seminars and Sociocultural "Chemist Day" (Immunohematology - Flavored Chocolate - The Art of Love - Quality Control in Clinical Chemistry) - November 14, 9, 13 and 14 December 2014
- DURANGO - Academic Seminars and Sociocultural "Chemist Day" (Immunohematology - Flavored Chocolate - The Art of Love - Quality Control in Clinical Chemistry) - November 14, 9, 13 and 14 December 2014
- CHIAPAS - Course of Clinical Parasitology - 19 and December 20, 2014
- NORTHERN VERACRUZ - Diploma of Clinical Immunology - February to December 2014

PALESTINA

PALESTINIAN MEDICAL TECHNOLOGY ASSOCIATION (PALMTA)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
The 8th Palestinian Conference of Laboratory Medicine.	14 – 16 / 8 / 2014	Laboratory medicine

Education
<p>The Palestinian medical technology association implement the continuous education program as a mandatory request for licensure to practice laboratory medicine in Palestine. For this reason we held:</p> <ol style="list-style-type: none">1. 9 workshops in different disciplines in laboratory medicine.2. 11 regional scientific meetings.3. 15 lectures in laboratory medicine.4. 6 Months educational program in laboratory management for lab directors and managers.5. 4 Special courses in molecular diagnostics.6. Special educational program in IVF technologies.

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
AFCB Board Meeting - Morocco		AFCB
Jordanian Immunology Conference		Scientific committee

Regional relations	
1-	PMTA is a member in the Palestinian allied health professions association.
2-	PMTA is a member in the Arab Federation of Clinical Biology (AFCB).

PHILIPPINES

PHILIPPINES COUNCIL FOR QUALITY ASSURANCE IN CLINICAL LABORATORIES (PCQACL)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
PCQACL 11th Annual Convention	September 24-26, 2014	Strengthening Quality Initiatives through ASIAN Cooperation

Education
<p>The PCQACL Committee on Continuing Education, Training & Research has conducted the following Seminar – Workshops:</p> <ol style="list-style-type: none">1.Seminar-Workshop on Quality Assurance in Laboratory Diagnosis of Malaria - 22 Feb.2014 South Western University, Cebu City2.Seminar-Workshop on CBC Standardization and Harmonization- 31 Mar. 2014 Subic Baypoint Hospital and Medical Center, Subic Bay Freeport Zone, Philippines3.Workshop on Peripheral Blood Smear – 29 May 2014 Crowne Plaza Galleria , Ortigas Ave., Quezon City4.Pre- Convention Seminar–Workshop on Laboratory Management – 22 Sep. 2014 Crowne Plaza Galleria, Ortigas Avenue, Quezon City5.Seminar – Workshop on Six Sigma Westgard – 24 Oct. 2014Crowne Plaza Galleria, Ortigas Ave. Quezon City6.Book launch of Basic Histopathologic Techniques in the PCQACL 11th Annual Convention - 26 Sep. 2014 Crowne Plaza Galleria, Ortigas Avenue, Quezon City

Regional meetings		
Name of the meeting	Date	Society's contribution for the meeting
14th ANCLS Congress	23 September 2014	Strengthening Quality Initiatives through ASIAN Cooperation – a PCQACL status Report by Marissa A. Orillaza, MD, FPSP

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)

International relations
IFCC Affiliation Membership
Digital PT International EQA Collaboration Membership
Appointment of Dr. Elizabeth Y. Arcellana-Nuqui as Member of the IFCC Task Force on Ethics (TF-E) for 3 - year period (April 2014 to December 31, 2016).
Member of Clinical and Laboratory Standards Institute (CLSI) giving the PCQACL the authority to be the distributor of their books and other documents in the Philippines, procuring of such in bulk and distributing them to facilitate their adoption and implementation by the clinical laboratories.

SPAIN

ASOCIACIÓN ESPAÑOLA DE FARMACÉUTICOS ANALISTAS (AEFA)



National meetings		
Name of the meeting	Date	Society's contribution for the meeting
VIII Clinical Laboratory National Congress. Sevilla	15-17/10/2014	Annual Meeting & Clinical Lab Expo
AEFA Scientific Seminar 2014. Viana do Castelo. Portugal	10/05/2014	Clinical Laboratory general topics.
VI AEFA Scientific Meeting. Madrid	22/11/2014	Update on Emergency Analytical Lab

Education
Continuous Education 2014: Clinical Laboratory within a quality medical assistance – Online. 1/02/2014 to 31/12/2014

Regional relations
Madrid Pharmaceutical College. National Relations: <ul style="list-style-type: none">• Asociación Española de Biopatología Médica (AEBM).• 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) 2014 AEFA Award on Quality and Innovation 2014 AEFA scholarships: <ul style="list-style-type: none">• Post- Residence scholarship• Scholarship for National and International internship. PSEC 2014: External Quality Assurance Program (EQAS) <ul style="list-style-type: none">• Biochemistry & Inmuno lab• Drugs, Hormones and Tumor markers• Microbiology - Bacteriology• Hematology• Parasitology• Semen analysis• Coagulation• Urine Biochemistry Analysis• Glycohemoglobin• Aptitude testing in Biochemistry

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