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International Federation of Clinical Chemistry and Laboratory Medicine





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EDITORIAL

Message from the eNews Editor

by *Katherina Psarra*
eNews Editor

Dear colleagues,

Every attendee at the Eurocongress came back fascinated with Munich and the congress, mainly fascinated with being in contact with their colleagues as before.

Every national society celebrated Global Medlab Week. The local “ambassadors” have tried to make it known to everyone. Let’s hope that the public became aware of the role of laboratories in their health.

But there is even more for the IFCC to celebrate. IFCC is 70 years old. IFCC eNews will present an interview with IFCC officers regarding this anniversary, starting with interviewing the IFCC President in this issue. We anticipate with great interest these interviews.

And then IFCC WorldLab in Seoul is *ante portas*. All of you, IFCC people, are invited to make it a really successful event!

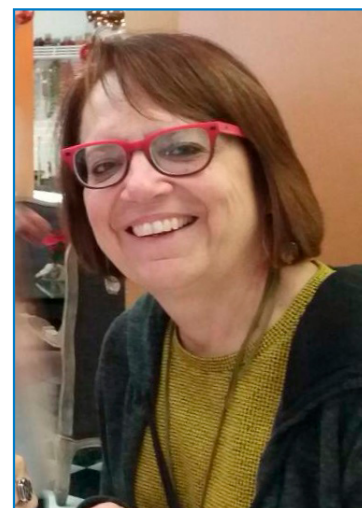
A lot of articles can be found in this issue of the eNews in addition to the valuable and informative message by our President Prof. Khosrow Adeli. Beautiful reports about congresses, meetings, celebrations from all over the world, reports about young scientists meetings and a new article by Dr. Bernard Gouget (at last, after some months of silence, I know we are expecting a lot from him!) about XXV COLABIOCLI offering us a special flavour about the Congress.

And, then, did you know that there is a metabolomics book club at the Aga Khan University? A completely new fascinating educational tool.

Lots of happy events, lots of spring flowers all around.

Let’s enjoy every bit of them!

Katherina Psarra



Katherina Psarra, MSc, PhD



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THE VOICE OF IFCC

IFCC President's Message – May 2022

by Khosrow Adeli
IFCC President



Prof. Khosrow Adeli
PhD, FCACB, DABCC, FAACC

Greetings to you all in the IFCC family!

It was wonderful to see so many of you at the **EuroMedLab 2022** in April. After a long wait due to the COVID-19 pandemic, it was apparent how happy and excited all of us were to finally gather in person again. As we hoped, the conference was a huge success, with over 4100 attendees, exhibitors, and visitors from countries all around the world. I would like to thank the Scientific Program Committee for delivering an excellent scientific program, along with our participants, chairs and speakers, as well as corporate sponsors for taking part in this premier scientific event. Some of the many highlights of the conference included the lively industry exhibition, educational workshops, and poster presentations, alongside the beautiful city of Munich.

Now that the EuroMedLab has wrapped up, I would like to remind everyone of our next upcoming event, taking place in Seoul, South Korea from June 26-30: **WorldLab 2022!**

The Korean government has eased many restrictions, including removing quarantine requirements for vaccinated travelers, making it much easier for us to attend this important event in person. Additionally, we have confirmed that individuals from most countries do not require a special visa to visit South Korea. Given this great news, I urge you all to register and take advantage of the strong scientific program, which is packed full of interesting plenary lectures, educational workshops, satellite meetings, and poster sessions. This year's WorldLab also presents a unique opportunity for attendees to travel to Seoul, the cultural, economic, and political centre of South Korea that not only has a very rich history and culture but many notable attractions. I am looking forward to this conference and meeting you all there in person.

Aside from this upcoming event, I would also like to highlight the official launch of the IFCC **Global MEDLAB Week**, which we inaugurated in Munich on April 10 and celebrated during the Lab Week from April 18-24. Many national societies and regional federations participated in this celebration and we had over 30,000 lab professionals and others around the world joining in the Social Media Campaign in support of the Global MEDLAB Week. It is crucial that we continue to recognize and celebrate the Vital Impact of Laboratory Medicine and the Critical Role of Laboratory Professionals in Public Health & Patient Care around the world. This includes laboratory technicians, managers, scientists, clinicians, and so many more individuals, as we all play an important part in the delivery of laboratory medicine. To find out more about this initiative and get involved in our campaign, visit our website: www.globalmedlabweek.org.

As always, feel free to email me at president@ifcc.org with your feedback, questions, or concerns.

Till next time,
Khosrow

The EuroMedLab Congress

2022

10-14 APRIL

ICM MUNICH
GERMANY



THANK YOU FOR BEING PART OF EUROMEDLAB MUNICH 2021!

The IFCC is happy that so many delegates attended the EuroMedLab congress in Munich.

It was fantastic meeting in person, especially after the pandemic. We definitely made it and we were able to **meet many people in person**.

4526 attendees
123 countries
more than 800 company staff



Attendees' countries

Article continued on next page

As always, we **thank our exceptional speakers**. The scientific program was incredible.

Participants were enthusiastic about having the possibility of **networking, sharing, and comparing** their own personal experiences with old friends and with the new acquaintances they met in the wonderful city of Munich.

A lot of hard work goes into the organization of a meeting, but the final result is highly rewarding. Thank you to the Organizing Committee and to the Organizing secretariat for their commitment and great professionalism.

We would also like to thank our **sponsors** for the generous contributions that have made this event possible and for their constant support that has contributed to the growth of the Clinical Chemistry and Laboratory Medicine.

You can re-live this amazing experience through the **pictures** we took during the event.

See you in Rome!

Visit the website:

www.2023roma.org.

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IFCC-EFLM EuroMedLab Congress - the Opening Ceremony

Article continued on next page



The IFCC President, Prof. Khosrow Adeli, during his inaugural speech at the Congress



IFCC-EFLM EuroMedLab Congress, one of the sessions



IFCC-EFLM EuroMedLab Congress delegates attending one of the sessions



IFCC-EFLM EuroMedLab Congress Exhibition area

The future of lab medicine is rising at the XXV COLABIOCLI – Leon (MX)

by Bernard Gouget

Chair, IFCC-C-MHBLM; Co-Chair, IFCC-TF on History



XXV CONGRESO LATINOAMERICANO
DE BIOQUÍMICA CLÍNICA
II CONGRESO DEL COLEGIO MEXICANO DE
CIENCIAS DE LABORATORIO CLÍNICO
30 DE MARZO AL 2 DE ABRIL • 2022 • LEÓN, GUANAJUATO

Dr. Álvaro Justiniano Grosz (BO), the President of the Confederación Latinoamericana de Bioquímica Clínica (COLABIOCLI); M.E. QFB Maria Jezabel Vite Casanova (MX) (see photo 1), President of the congress organizing committee; Dr. José Francisco Muñoz Valle (MX), President of the international scientific committee and presidents of the affiliated societies of COLABIOCLI hosted 400 delegates coming from 17 countries of Central, South American and Caribbean countries at the Convention Centre in Leon de los Aldama in the

city of Leon « la Perla del Bajío » to celebrate the XXV Congreso Latino-Americano de Bioquímica Clínica and the II congress del Colegio mexicano de ciencias de laboratorio clínico (March 30-April 2 2022). Leon is the most large and populous industrial city in the Mexican state of Guanajuato.

The exhibition welcomed nearly twenty exhibitors, and attracted many professional visitors this year, including distributors and clinical chemists, technicians, scientists, young scientists, and academics. Participants

Article continued on next page

discovered new products giving them the opportunity to gain a better understanding of the latest technologies available on the market.

Dr. Rosa Isabel Sierra Amor, as Secretary of the International scientific committee, took great care of the international speakers from Latin America and of the IFCC-ETD and IFCC-C-MHBLM representatives. Her expertise and know-how made her to earn a well-deserved reward and generous applause. IFCC-Executive Board was represented by David Kinniburgh, IFCC EB secretary.

This new post-pandemic age for such a major event was dominated by two key features: innovation in Lab medicine and health and safety. Because the sanitary situation in different countries, some colleagues were not able to travel to Mexico. The congress used a new hybrid format. This hybrid format is one of the innovative solutions that have emerged as a result of the pandemic, combining digital and on-site attendance to create a more interactive congress where all participants are represented. The Convention Centre has also taken all the health and safety measures required to guarantee the safe movement of people around the facilities, social distancing, capacity limits and hygiene, among others. It has provided attendees with self-administered serological tests.

A one-day satellite symposium was dedicated to review and raise awareness to the global public health threat of epidemic arboviruses, and to advance the discussion on the control and prevention of arboviral diseases. The dramatic emergence and spread of epidemic arboviral diseases have made it necessary to reassess surveillance strategies. All at-risk countries should have an enhanced disease surveillance system based on well-defined case definitions and supported by serological and virological laboratory testing. Different topics on the future of Lab medicine, actualization in endocrinology exploration of kidney diseases, cardiac biomarkers, role of the lab before transplantation and the role of the laboratory to diagnoses the COVID 19, etc... were discussed during the scientific sessions. Many industrial workshops were also simultaneously organized during the 3 days.

On behalf the IFCC Emerging Technologies Division, Prof. Sergio Bernardini, stocked in Roma, prerecorded

his course on POCT and accreditation and he presented, on-line, the role of the medical laboratory during the pandemic. Prof. Maurizio Ferrari delivered his lecture on “How to imagine the future of Lab Medicine” in the same way. Certainly, those with the privilege to take part personally on-site did benefit most from the hybrid format. Those who were sitting in the rows were at least as close to the remote speaker as if he/she would be a speaker in a real, large conference hall.

The IFCC-MHBLM was invited to organize a session on “AI, Big Data and wearable technologies: how closing gaps in patient data and care”. Prof. K Pradeep Dabla was unable to leave New Delhi (IN) due to the critical health situation in his region. He sent a power-point presentation and a summary on wearable technologies and m-health as a model of sustainable healthcare for the developing world for the IFCC-MHBLM symposium to be distributed as post-congress activities. It cannot be denied that the healthcare is one of the most important dependencies for the economic sustainability of a country which can influence the national economic and social development. Limited access to healthcare creates a major barrier to the sustainable global development and are magnified by various socioeconomic problems. Mobile health (m-Health) is transforming healthcare delivery by making it more accessible, affordable and available. The m-Health communication devices such as mobile phones, smart phones, PDAs, laptops and tablet PCs can be useful especially with rural communities in the world. The use of mobile communication technologies in health services can reduce the primary gap in health-related needs that exist in daily life by detecting and monitoring different human body parameters such as health vital signs, electrocardiography (ECG) and blood pressure monitoring while updating patients’ data to physicians for close monitoring and adequate instructions or even medical prescriptions for their conditions. These innovations such as big-data analytics technologies with algorithms can prove to be powerful tools to provide insights to the governments and organizations for policy planning, use of resources and to address specific health challenges and regional needs. Over the decades, it is observed that there is a great potential for AI to improve healthcare. The remarkable promise of AI is particularly centered

on machine learning, including deep learning. It is required to develop a digital health ecosystem that supports universal health coverage in an efficient, accessible, inclusive, affordable, timely and safe manner while maximizing the benefits and minimizing risks.

AI is one of the most disruptive technologies of our time that can improve the pulse of Health care in different ways. AI is the new Lab Medicine electricity! As the chair of the IFCC-MHBLM, I had the privilege to deliver a plenary lecture on “AI in Lab Medicine: hype versus reality” and presented the activities of the C-MHBLM insisting that Artificial intelligence (AI) is poised to broadly reshape medicine, potentially improving the experiences of both clinicians/laboratory professionals and patients. AI is intelligence exhibited by machines

rather than humans. It is the ability of a machine to perform cognitive functions that we associate with human minds such as perceiving, reasoning, learning, interacting with the environment and problem solving. AI works by combining large amounts of data with fast, iterative processing and intelligent algorithms, allowing the software/machine/bots to learn automatically from patterns or features in the data. AI is a broad field of study that includes many technologies. Deep learning (DL), machine learning (ML) and AI are like a set of Russian dolls nested within each other, beginning with the smallest and working out. DL is a subset of ML, and ML is a subset of AI, which is an umbrella for these subfields. In other words, all ML is AI, but not all AI is ML.



SNIBE Booth: Recognition for the participation in the exhibition: SNIBE representatives with Lic. Martin Yang country director in Mexico and Latin America, and Dr. Bernard Gouget, with ME Jezabel Vite Casanova, COC President, Q. Ma. Carmen Hernandez, CMCLabC, Dr. Rosa Isabel Sierra-Amor, Secretary, International Scientific Congress Committee, and Q. Ma Teresa Flores, CMCLabC Treasurer.

C-MHBLM' objectives are to give to the IFCC Community a deep understanding of both the «hows» and «whys» of AI. Artificial intelligence (AI) is perhaps the closest thing we have to magic in the world today, a superpower that can analyze massive amounts of data quickly and accurately. AI could be our loyal companion, helping us on our quest to answer some of our deepest and most perplexing questions. Or, it could also become our master, controlling our decisions and actions and stripping us of the very thing it could never have: humanity!

Nevertheless, healthcare organizations today are undergoing transformation to improve a system that is no longer sustainable. Faced with extensive pressure to do more with less, the implementation of AI is a way forward to reach sustainability. But, misconceptions and unrealistic expectations regarding the capabilities of AI hinder its potential. With the right guidance on how to implement AI effectively to improve inefficiencies and challenges, the applications and benefits can be as diverse and creative. AI is already here and part of our lives: smartphones with face and speech recognition, computer software that blocks spam email and recommends shopping items, and social media applications that hierarchize news and advertisements.

AI's role in medicine has also increased. From imaging interpretation and health monitoring to drug development, numerous AI applications have been directly or indirectly used in health care. As example, AI is currently being used to detect neurological diseases. A recent study showed that AI could also be used to detect subtle changes in glucose uptake by the brain in positron emission tomography (PET) scans. This allowed for the diagnosis of Alzheimer's disease about 6 years earlier than the final clinical diagnosis. IBM Watson and Guerbet (FR) are pairing up to create an AI based solution for liver cancer detection. Stroke is a time-critical disease, with each minute representing a loss of two million neurons. Brainomix, a spin-out company from the University of Oxford, has developed AI-powered software called e-Stroke, which can help doctors interpret rapidly brain scans and make more confident treatment decisions and save lives.

The convergence of (AI) and precision medicine also promises to revolutionize health care. Both precision medicine and AI techniques impact the goal of personalized care in five ways: therapy planning using clinical, genomic or social behavioral of health, and risk prediction: diagnosis, using genomic or other variables. The revolution in biobanks, biorepositories, and biospecimen science is also being fuelled by AI-driven process automation, the internet, robots, and other quick technical developments that are helpful in modern biobanking. In general, AI in healthcare provides support to clinicians for predictive analytics in real-time and solves operational challenges across the hospital functions. It also saves staff time, reduces steps, and removes paper-based processes through automated data collection, analysis, reporting and communication.

Increased healthcare demand has placed pressure on laboratory medicine to optimize efficiency using innovation, digitalization, automation and artificial intelligence (AI). AI uses complex algorithms and data from medical and laboratory data to mimic human analysis and this requires accurate and reliable data. This will bring new challenges for the clinical laboratory. Lab specialists need to understand the utility of AI, its limitations and implementation. AI technology that can increase effectiveness and precision but may disrupt conditions for human-intelligence-centered ethics and undermine ethical ideals, like shared decision-making. We are right at a point where a lot of attention is being paid to big tech, big data, AI and algorithms. Using data and intelligent technologies, we are able to develop new solutions to help ease the specialist in Lab Medicine burden and transform healthcare outcomes. AI will provide human-like interactions with software and offer decision support for specific tasks, but it is not ready for a replacement of humans.

The XXV COLABIOCLI congress in Leon was an opportunity to celebrate as a first attention, the 70th IFCC anniversary and to present the official logo. There has been a remarkable development of lab medicine during the past seventy years. The achievements of the IFCC over the past 70 years have been enormous in promoting the highest standards of lab medicine and ethics in the profession. Membership has grown

significantly and the IFCC's many statements have become a central part of Lab medicine policy around the world. Although we are proud of what the IFCC has achieved, there are still challenges before us. The IFCC's 70th anniversary, illustrates how the Lab medical profession is evolving, continuing to develop new tools and concepts, considering the social determinants of health and the scientific and economic developments to provide better and safer care for all people and to help them and their communities to stay healthy. All the specialists in lab medicine and national societies that have not joined us are invited to celebrate the 70th with various activities.

The congress center was located next to the Guanajuato Museum of Art and History. It was an opportunity

to mix science and Art. Leon is very well known for its production of leather goods. Thank you to the organizers for the nice leather congress bag. A short promenade allowed us to discover in the historical district the beauty and classiness of the Triumph Arch of the Causeway of the Cathedral Basilica of Our Lady of Light, the iconic Templo Expitatorio Diocesano del Sagrado Corazon de Jesus, and plaza Principal. These places were not definitely to be missed during the sessions-breaks. Conviviality was in the spotlight at the Hacienda San Cristóbal Guanajuato where the 62nd President of Mexico Vicente Fox (2000-2006) grew up. The Lab Medicine spirit in Leon is calling for a Lab medicine future as bright as the sun that shines in Mexico. Being on the congress list was a privilege, thank you for the lovely time!



Closing ceremony: ME Jezabel Vite Casanova COC president, Bact. Marlene V. de la Vega, CNB President, Dr. Hedilka Jimenez, CNB, Dr. Alvaro Justiniano-Grosz COLABIOCLI president, Dr. Ma. Cecilia Lopez, CUBRA president, Dr. Bernard Gouget, Chair, IFCC-MHBLM, Dr. Rosa Isabel Sierra-Amor, Secretary, ISCC, and Dr. Lisandra Morales, COLABIOCLI Treasurer

The IFCC-Abbott Visiting Lectureship Programme (VLP): evolving with the times

by Prof. Sedef Yenice
VLP Chair



Prof. Dr. Sedef Yenice

The IFCC-Abbott Visiting Lectureship Programme (VLP) is a highly successful endeavor designed to promote international knowledge exchange and facilitate interaction and relationship-building among laboratory medicine professionals.

This program was established in 2008. It has evolved and is well received by national societies worldwide. It is a true success story that has proven useful to laboratory medicine practitioners and professionals around the world. Reviews from national societies, meeting organizers, and meeting platforms have been overwhelmingly positive.

Over the past two years, however, unexpected COVID -19 challenges have caused common global problems. Travel in 2020 and beyond has changed dramatically. These constraints, particularly due to international travel, have disrupted the interactive nature and the efficient delivery of the VLP since Q3 2020. During this time, the VLP has initiated an interim effort to meet local and regional needs until the pandemic-related travel restrictions subside. To meet the global needs of member societies, support was provided for the delivery of VLP presentations electronically.

In 2018 and 2019, VLP supported 28 events and 61 lecturers. A total of 12 VLP requests were funded through December 2021. While in 2020 all VLP presentations were held on-site, in 2021, 66% of the sessions were held in a virtual format. This temporary change to the program successfully met pressing needs and helped to keep our community connected. Topics covered include quality control, accreditation, standardization and harmonization, reference ranges, and molecular diagnostic applications.

We strongly believe that nothing can replace the human interaction and personal connection that VLP provides. In light of unexpected global events that limited travel, VLP operations have evolved with enhanced features to ensure effective, productive, and collaborative VLP continuity over the long term.

ADVANCED FUNCTIONALITY

The main goal of the current update is to provide national societies with more options that give both the presenters and the host society more flexibility in better designing the activity. In addition, the update provides several features for innovative configuration of presentation options to ensure the best audience experience and efficient operation. The new VLP functionality provides National Societies and Regional Associations with the following options from which they can choose the one that best suits their needs.

1. In-person lectures:

Continuation of the traditional VLP. IFCC will cover travel expenses (if the situation allows for travel).

Article continued on next page

2. Virtual presentations:

VLP also offers applicants the opportunity to choose one of the following options and suggests that National Societies or Regional Associations choose the best option based on their agreements and preferences.

a. Flexible arrangement

The VLP offers a flexible approach where an applicant can choose one option or another based on the choice of the invited speaker. VLP speakers deliver their presentations either live or in a recorded form virtually on the same platform available at the hybrid or virtual annual conference. This option allows the applicant society to use its electronic platform to record and broadcast the talk.

b. Support for interactive sessions

Presentations can be delivered electronically either live or in a recorded form via the WorkCast platform. In this case, the cost of subscribing to the platform will be covered by the IFCC.

Funding webcasts for societies is intended to allow more people around the world to benefit from the presentations. In addition, the presentations, which are delivered electronically through the WorkCast platform, are followed by a live interactive session with the experts, which can be arranged depending on the time zone.

3. Virtual workshops:

Another advanced feature that VLP could provide is support for virtual workshops at the request of the National Society.

Thanks, Dr. Claude Lambert, Chairman of WG-FC, is planning an interactive “virtual workshop” on flow cytometry to be conducted on the WorkCast platform.

Ultimately, the current update provides versatility to the VLP, allowing National Societies and Regional Associations to configure different options according to their current programme and choose the best option based on their organizational circumstances and preferences. The application process is not complicated and applications are accepted throughout the year and must be submitted at least 4 months before the scheduled visit to allow sufficient time for selection review.

With these enhanced operational capabilities, the VLP can provide a greater engagement in our community and increase the overall programme efficiency and productivity.

If you have any questions or comments about the update, please feel free to contact the IFCC Office at: ifcc@ifcc.org.

REFERENCES

1. <https://www.ifcc.org/ifcc-education-division/emd-special-projects/> Accessed on April 14, 2022.
2. The IFCC-Abbott Visiting Lectureship Programme - The 2019 Report. Prepared by Nader Rifai, VLP Chair.

News from the IFCC Website



eJIFCC Vol 33 n°1 - April 2022

In this non-thematic issue, you will find seven articles discussing a wide range of topics:

- Klotho: a possible role in the pathophysiology of nephrotic syndrome;
- Novel damage biomarkers of sepsis-related acute kidney injury;
- How do really understand and improve the system of internal quality control and external quality assessment in the accreditation process of the medical laboratory?
- Hematological findings in lysosomal storage disorders: a perspective from the medical laboratory;
- Evaluation of dual marker approach using heart-type fatty acid-binding protein and high sensitivity troponin-I as an alternative to serial sampling for diagnosis of acute myocardial infarction;
- Importance of observing the progress curve during enzyme assay in an automated clinical chemistry analyzer: a case study;
- Secondary hemophagocytic lymphohistiocytosis – a common ramification of different diseases.

[Read more](#)

News from the IFCC Committee for Evidence-Based Laboratory Medicine (C-EBLM)

*by Prof. Annalise E Zemlin
C-EBLM Chair*

*Department of Pathology
Faculty of Medicine and Health Sciences
Stellenbosch University and NHLS Tygerberg Hospital
Tygerberg - Cape Town, South Africa*

The IFCC C-EBLM was invited by the organisers of the 7th International Conference of Chemical Pathology, Medical Research Institute, Alexandria University, Egypt to present a symposium on 27th March 2022. The title of the symposium was: **EBLM, from Research to Clinical Practice**.

The following talks were presented:

1. Evidence-based approach for research design and reporting - Annalise Zemlin (chair IFCC C-EBLM)
2. Evidence-based outcome of test utilization: what is missing and what can be done – Seema Bhargava (member C-EBLM)
3. Laboratory medicine in clinical guidelines: a needed bridge - Andrew Don-Wauchope (member C-EBLM)
4. Evidence-based test utilization and stewardship of resources: implementation in clinical practice – Dr. Ramy Assaad Khalil (member C-EBLM)
5. Role of evidence-based medicine in quality management of point of care testing – Karina Rodriguez-Capote (member C-EBLM)

These talks were well received and we thank our junior scientist member, Dr. Ramy Assaad Khalil, for arranging this symposium.

7th International Conference of Chemical Pathology

Medical Research Institute, Alexandria University, Egypt

ChemPath 2022, March 27th

Evidence Based Laboratory Medicine, From Research To Clinical Practice

By the Evidence-Based Laboratory Medicine Committee of the
International Federation of Clinical Chemistry (C-EBLM, IFCC)



Evidence based approach for research design and reporting

Prof. Annalise Zemlin

FCPath (SA) Chem, MMed (Chem) (Stell), PhD (Stell)
Head of Division of Chemical Pathology - University of Stellenbosch, South Africa
Founder Member of the College of Pathologists of East, Central and Southern Africa



Evidence based outcome of a test utilization:
What is missing and what can be done

Prof. Seema Bhargava

DNB, PhD, MNAMS, FACBI, FRCPath
Professor, Ganga Ram Institute of Postgraduate Medical Education and Research, India
Vice-President, Association of Clinical Biochemists of India (ACBI)



Laboratory medicine in clinical guidelines: A needed bridge

Prof. Andrew Don-Wauchope

FRCPath (Edin), FRCPath, FCPPath(SA)
Professor, Department of Medicine - McMaster University, Canada
Member of the Core Education Committee (AACC)



Evidence based test Utilization & stewardship of resources:
Implementation in clinical practice

Dr. Ramy Assaad Khalil

MD, PhD (Chem Path), MRCP(UK), SCE-RCP(UK) (Endo & Diab), EBEDM
Lecturer, Medical Research Institute - Alexandria University, Egypt
Collegiate Member of the Royal College of Physicians, London



Role of evidence based medicine in quality management
of POCT

A. Prof. Karina Rodríguez-Capote

MD, PhD
Post-doc (Clinical Biochemistry) - McMaster University, Canada
Associate Professor, Pathology and Laboratory Medicine - British Columbia University, Canada



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XXV COLABIOCLI IFCC Regional Congress – Leon 2022: A face-to-face meeting for the Latin American laboratory professional community

by Rosa Sierra-Amor, PhD

Secretary International Scientific Committee

XXV COLABIOCLI Congress Leon 2022

IFCC Nominations Committee member

eNews WG member



The XXV COLABIOCLI CONGRESS LEON 2022 and the II Mexican Congress of Clinical Laboratory Sciences were organized by the Mexican Association of Clinical Laboratory Sciences (**CMCLabC**). A biannual congress of the Latin American Confederation of Clinical Biochemistry (**COLABIOCLI**) a *Regional congress of the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)*, had the participation of the Spanish Society of Clinical Laboratory (**AEFA**), the Italian Society of Clinical Biochemistry (**SIBIOCLI**), the National Collegue of QFB México (**CNQFB**), and the National Collegue of Clinical Chemistry and Laboratory Medicine (**CONQUILAB**). This activity included post congress activities organized by the Asian Pacific Federation of Clinical Biochemistry (**APFCB**) and the American Association for Clinical Chemistry Global Lab Quality Intiative LAWG (**AACC**).

In a very open and safe venue, the Poliforum Leon, the XXV Congress in Clinical Biochemistry took place with participation and representation of the majority of the member societies afiliated to COLABIOCLI: **Argentina, Brazil, Bolivia, Colombia, Chile, Dominican Republic, Ecuador, Guatemala, Honduras, Panama, Mexico, Nicaragua, Paraguay, Uruguay and Spain.**

At the opening ceremony, the COLABIOCLI president, Dr. Alvaro Justiniano-Grosz gave a plaque to Prof. Stella Raymondo (Uruguay), Dr. Luiz Fernando Barcelos (Brazil) and Dr. Rosa Sierra-Amor (Mexico) for contributing to excell the profession in the Latin American region. The *Mexican Association of Clinical Laboratory Sciences* gave awards to Julio Lara-Riegos, PhD and Israel Parra-Rodriguez, MSc for his research in clinical biochemistry and for services to the profession respectively.



Article continued on next page



Opening Ceremony chaired by Jezabel Vite-Casanova, ME and Dr. Avaro Justiniano-Grosz



Awardees Israel Parra, Rosa Sierra-Amor and Julio Lara-Riegos

To provide incentives for young professionals, there were several scholarships: **IFCC-Roche to:** Jhenny Arenas Cordova (**Bolivia**) and Veronica Isabel Acosta Baruja (**Paraguay**). **IFCC to:** José Antonio Tesser Poloni (**Brazil**) Katherine Montoya (**Chile**), Maria del Rosario Benesperri (**Argentina**), Romina Medeiros (**Uruguay**), Eliana Oyuela Aldana (**Colombia**) and **COLABIOCLI to:** Sara Benegas (**Paraguay**) and Isabel Rodríguez Martín (**Spain**).

The **COLABIOCLI Young Professionals Forum** leaded by Santiago Fares-Taie (Argentina), Jorge Hernandez-Bello and JJ Carrillo Ballesteros (Mexico), Sofia Duarte (Guatemala) and Alvaro Justiniano-Cortez (Bolivia) was joined by the Young scholars from LATAM contributing to the new generation of scientists.

On March 30th, several courses were organized on different topics, e.g., Leadership under the auspices of COLABIOCLI, Bioethics by the COLABIOCLI Working group, Covid 19 with auspices of the University of Guadalajara, Forensic Medicine organized in conjunction with the Latin American society of Forensic medicine; POCT and accreditation with the auspices of the Italian Society of Clinical Biochemistry SIBioC; Molecular Diagnostics as part of the IFCC VLP program lecturer, Traceability course with the support of COLABIOCLI and the Mexican Association of Clinical Laboratory Sciences, Board Certification, Cost analysis, Blood bank, and Clinical Bacteriology.

IFCC-ABBOTT Visiting Lecturer Programme: Prof. Patricia Esperon (Uruguay) delivered a Pre-congress course on The fundamental concepts of oncogenetics and a Plenary Conference on Cancer therapy guided by genomic data. Dr. Victor Silva (Chile) participated at a Symposium on Vector diseases: Relevance of Early identification in Mycology. Automation, molecular methods and mass spectrometry, and a Symposium on Emerging diseases: Antimicrobial Surveillance Network: New challenges in the fase of AMRC and Future of the Laboratory within surveillance networks. Prof. Nilda Fink (Argentina) coordinated a pre-congress course on Bioethics, chaired two symposia on Ethics and Bioethics of Laboratory Personnel, and on Bioethics in Laboratory Medicine. **COLABIOCLI VLPs** were Dr. Juana Ortellado de Canese from Paraguay who lectured on Emerging diseases and Vigilance anti-microbial networks; and Dr. Raul Girardi from Argentina speaking on the importance of traceability in laboratory medicine. From IFCC C-MHBLM, Dr. Bernard Gouget spoke about Artificial Intelligence in Lab Medicine: hype vs reality.

The scientific program included an opening key lecture by JF Muñoz-Valle on Vitamin D and COVID 19, and a key lecture at the closing ceremony by JM Gabastou on The role of Laboratory Medicine during the COVID 19 pandemic. There were four plenaries, five conferences, twenty nine symposia, and seven industry workshops. Topics on diabetes and nutrition, renal disease, tumor markers, blood bank, homeostasis and coagulation, thyroid disease, quality management, accreditation, infectious diseases, metrology traceability, proficiency testing

programs, applied molecular biology, clinical immunology, POCT, and Artificial intelligence. There were Round table discussions with laboratory experts that renewed the face-to-face interaction again.

Simultaneously COLABIOCLI **Working Groups** hold closed meetings: Accreditation Management; Pre-analytical Phase, Blood bank, Bioethics, and the Commission on Education Management. Some were hybrid sessions, others face to face meetings. By invitation of the president of the congress, Jezabel Vite-Casanova, ME, the IFCC WG-IANT chaired by Raul Girardi organized a hybrid meeting that had the participation of the majority of its members.

The winner of the **Wiener Lab-COLABIOCLI Dr. Miguel Rojkin 2022 Award** was Jose-Javier Morales-Nuñez from the University of Guadalajara, Jalisco, Mexico for the outstanding research study on clinical biochemistry entitled: *“Differences in the neutralizing antibodies generation against SARS-CoV-2 individuals immunized by COVID-19 vaccines based on different platforms: CoronaVac, BTN162b, and Ad5-nCo”*.

Abstract presentations winners, First place to Raul-Eduardo Loreda-Puerta with the paper on *Molecular detection of carbapenemases in clinical isolates of Pseudomonas spp., resistant to carbapenems*. Second place: *Frequency of B-cell subpopulations and expression of IL-10 and IL-17 receptors in patients with rheumatoid arthritis: association with clinical disease activity* by Jose-Javier Morales-Nuñez. Third place: *Evaluation of the T-peripheral helper cellular population and its association with the BAFF System in patients with Generalized Lupus Erythematosus* by Nefertari Sagredo-Fabela.

Several **Diagnostic in Vitro companies** participated within the **Laboratory Expo**: SNIBE, BD, INOCHEM, THERMO-FISHER, DIAC, UNIPARTS, WIENER LAB, SUNBIO, PNCQ, NOVA BIOMEDICAL, RANDOX BIOSCIENCES, SENTINEL DIAGNOSTICS, LABORATORIOS RUIZ, and ZEISS.



Young laboratory professionals Forum at the XXV COLABIOCLI Congress – Leon 2022



Pre-congress course on Pre-analytical phase sponsored by Beckton Dickinson Latin America, with the participation of the COLABIOCLI Working group members: Profs. Eduardo Aranda and Ma Elena Arredondo (Chile), Patricia Ochoa (Ecuador) and Beatriz Varela (Uruguay)



Renewal of the MoU agreement between COLABIOCLI and IFCC. On behalf of IFCC EB, Dr. David W. Kinniburgh and Dr. Alvaro Justiniano-Grosz, president COLABIOCLI accompanied by COLABIOCLI EB members and COC members.

No doubt that meeting in person was essential, a face-to-face meeting in Leon helped to open the dialogue discussing among professionals, enjoying meeting old friends, making new ones, keeping in mind that we'll meet again in 2024 in Cartagena de Indías COLOMBIA to celebrate another successful COLABIOCLI congress.



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IFCC WorldLab SEOUL 2022

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16th ASIA-PACIFIC CONGRESS
OF CLINICAL BIOCHEMISTRY

New deadline
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13 June 2022

June **26-30**, 2022
Coex, Seoul, Korea



IFCC CELEBRATES 70 YEARS

**Celebrating 70 years of advancing excellence
in laboratory medicine for better healthcare worldwide**

In 2022 the IFCC is celebrating its 70th Anniversary!

With this and also in the next issues of the eNews we will be publishing a number of interviews delineating the many outstanding achievements of the IFCC over the past decades, the enormous achievements, the many important milestones that have been accomplished contributing to the IFCC's mission of "Advancing excellence in laboratory medicine for better healthcare worldwide".

These achievements have not only contributed to the growth of the IFCC but have had an important impact on advancing the science of laboratory medicine and in vitro diagnostics around the world.

The future holds considerable promise for the IFCC organization and its family of national societies and corporate members. The strong foundation built by thousands of IFCC officers over the past decades will ensure the IFCC's continued journey towards global leadership in laboratory medicine, contributing to its most valuable mission of improving clinical decision making and better healthcare worldwide



Interview with Dr. Khosrow Adeli, IFCC President



Interview from March 2022

Interviewer: Dr. Maria del Carmen Pasquel

Member CPR and WG-IANT/RIA/CPD-IFCC



Khosrow Adeli
PhD, FCACB, DABCC

Dr. Khosrow Adeli is the Head of Clinical Biochemistry in the Department of Pediatric Laboratory Medicine, as well as a Senior Scientist in the Molecular Medicine Program of the Research Institute, at the Hospital for Sick Children. He is also a Full Professor and Vice Chair of Quality in the Department of Laboratory Medicine and Pathobiology at the University of Toronto, the President of the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC). He is also the current Editor-in-Chief of Critical Reviews in Clinical Laboratory Sciences. Since 1988, Dr. Adeli has been actively involved in both molecular and clinical laboratory research. He has over 30 years' experience in clinical chemistry service, education, and research, with over 600 articles and abstracts published to date. His achievements have been recognized through several distinctions and career awards.

The year 2022 is a special year for IFCC, the great IFCC family that is around the world wants to know your answers to these four questions, in this year, that IFCC celebrates 70 years of its foundation

The questions are as follows.

1. In your position as President of IFCC could you give us a short summary of the history of IFCC?

Thank you, Maria, for inviting me to this interview. In fact, the IFCC is celebrating its 70th anniversary this year.

It would be 70 years since the IFCC was formed in Europe initially in 1952, in Paris and then changed its name until the new name has been used for more than 60 years, called the International Federation of Clinical Chemistry and Laboratory Medicine.

The IFCC has a rich history, it is a scientific organization and its mission is to promote health care throughout the world by supporting high quality medicine and diagnosis of treatment. The IFCC contributes to both science and education, supporting quality clinical laboratory research and development around the world.



Dr. Maria del Carmen
Pasquel

IFCC is a strong Federation, it has 96 members and 415 societies in 96 countries, as well as 52 corporate members that are companies involved in laboratory medicine diagnostics.

All this strength contributes to supporting laboratory medicine professionals, which is a very strong community of the six world federations that are in all corners of the world, so we have the European Federation, the North American Federation, COLABIOCLI which is the Latin American Federation, the Asia Pacific Federation, the Arab Federation and the African Federation, so the six federations formed an efficient structure and have activities all over the world.

2. How have you faced the challenges of meeting the IFCC objectives in these times of pandemic?

IFCC continues to maintain strong activity even within the past two years during the pandemic. Despite the pandemic, IFCC has started numerous programs with a new name because it had to change from its physical conferences to virtual conferences and webinars. Today we have a very strong webinar program. For this reason, during the past year, we had almost 30 different webinars, with about 100 speakers, because each webinar has three speakers, and IFCC has given other virtual conferences.

In February 2021, we had a virtual conference on COVID-19, on the diagnostics of COVID. We had an attendance of more than 3000 people and a strong corporate support which resulted in a very successful first ever IFCC Virtual meeting.


The IFCC has faced a challenge moving to online and virtual events, but has also held town halls with COLABIOCLI, North America, Europe, Asia Pacific, Africa, and the Arab Federation, continuing activities despite the Pandemic.

IFCC
International Federation
of Clinical Chemistry
and Laboratory Medicine


IFCC live webinar on:

COVID-19 Guidelines on Molecular, Serological and Biochemical/Hematological Testing

| | | |
|---|---|--|
| Giuseppe Lippi [Italy] Professor of Clinical Biochemistry, Director of Laboratory Service University Hospital of Verona, Verona | Khosrow Adeli [Canada] (Chair) Professor of Clinical Biochemistry, University of Toronto and President IFCC | Rita Horvath [Australia] Director of Chemical Pathology NSW Health Pathology, Prince of Wales Hospital, Sydney |
|---|---|--|

| | | |
|---|---|---|
|  IFCC Guidelines on Molecular Diagnostic Testing of SARS-CoV-2 Viral Infection |  IFCC Guidelines on Serological Testing of Anti-SARS-CoV-2 Antibodies |  IFCC Guidelines on Biochemical and Hematological Monitoring of Patients with COVID-19 |
|---|---|---|

Registration link (Scan QR code)
<https://www.workcast.com/register?pak=6064600417678978>
Date: Sept 23, 2020,
Time: 8 AM (Eastern Standard), 2 PM (European), 10 PM (Sydney, Australia)



Participation of Dr. Adeli in one of the IFCC webinars, 23 September 2020

For the last year and a half, a number of programs have been initiated, such as the “IFCC New Born Screening Program” to support countries that do not do New Born Screening to help them initiate it in their country.

They have also initiated the “Global Quality Program”. IFCC is already helping countries, especially developing countries/nations that need “EQA” which stands for external quality assurance. We have selected 10 countries: 3 in South America, 2 in Africa, 3 in Eastern Europe, 2 in Asia. Ten countries in total and 5 laboratories for each country, a total of 50 laboratories are starting in this month (February) an EQA Program paid by the IFCC, which is financially supporting the program in countries that do not already have an EQA system. This is an example of the programs that IFCC carries out and that have been very successful.

In summary IFCC has met the challenge by continuing, and actually increasing activities during the past two years.

3. Laboratory medicine has been the center of attention in the last two years. What recommendation would you give to the IFCC associate members who are working on this important activity?

My recommendation is that all IFCC member societies and laboratory professionals use this opportunity to promote the role of laboratories and of laboratory professionals.

During this pandemic, it has become very clear that labs are vital to public health. The management of COVID-19 around the world has only been possible because of lab support, laboratory testing, PCR, antigen and antibody testing. These are all laboratory activities. So, labs have played, and continue to play, a very important role in public health. Which is also very important in patient care, as every day labs help by providing diagnostic tests.



Dr. Khosrow Adeli establishing the GlobalMedLab Week during the EuroMedLab Council, Munich, April 10, 2022

Therefore, I think that lab professionals have the responsibility to promote the role in our hospitals, in our cities, in our institutions with governmental agencies, with industry leaders and with the public in general. So, everyone of us, as laboratory professionals, have a responsibility to promote the discipline of laboratory medicine. It has been regarded that laboratory medicine has become a profession without a face because labs work behind the scenes.

The public see the doctors and nurses, they do not see the lab professionals who are vital to public health and patient care. So, it our responsibility to promote our discipline. This pandemic has helped increase visibility of labs. Therefore, my recommendations would be for us to take this opportunity in every country, Latin America and every other country around the world to promote our role. Both the role of lab professional and the importance of laboratory medicine as a profession in clinical medicine and public health.

4. Finally, what invitation as president of the IFCC do you make to laboratory medicine professionals?

Well, it is sort of the same invitation that we should all be involved in promoting our profession, but also of course, be very active at the scientific level as well as the educational level and to participate in IFCC programs.

IFCC has many programs and, unfortunately, many countries are not utilizing these programs. So, my invitation is to please go to the IFCC website, follow the programs that are being delivered and try to participate in our: webinars, committees, working groups, task forces. There are many positions that we have in different functional groups. So, I invite colleagues in COLABICLI and Latin America to actually try to participate more. I realize the language is a barrier, but many of our colleagues speak Spanish and therefore it should not be very difficult to participate in our programs.

One last invitation I have is that we are starting, as of April, a new program called "Global Lab Week". So, this Global Lab Week will be promoting the feel of the medicine around the world. So, I invite Latin American countries and COLABIOCLI to nominate representatives that can help with the promotion in Latin America. So, we are developing, actually a lot of material, videos, posters, pamphlets, and social media messages. Actually, we are working with a company in Argentina called the Naranhous.

Naranhous in Buenos Aires is working with us by developing many tools, videos and so on. I hope that COLABIOCLI and countries in Latin America use them. We will be sending them end of March, early April.

They will be sent to all countries, so please do use these tools and support the program, the Global Lab Week. The idea is that every country in Latin America can promote the field of lab medicine and the role of lab professionals. We will be providing the tools, providing the materials. All that we are asking is that the countries promote, promote, promote

Thanks for the interview, Maria.

IFCC: THE YOUNG SCIENTISTS

Young Scientist Session at the EuroMedlab 2021 – Munich

by Dr. Udara D. Senarathne

IFCC Task Force for Young Scientists (TF-YS)

Corresponding member from Sri Lanka

Department of Biochemistry, Faculty of Medical Sciences

University of Sri Jayewardenepura, Sri Lanka

Laboratory medicine professionals have been making an invaluable yet unseen contribution during this period of the COVID-19 pandemic while being motivated to do their best to be productive, managing any conflicts within the laboratory. The TF-YS took an initiative to strengthen the young laboratorians in facing such challenges by contributing to a special symposium organized for young scientists.

During the Young Scientist Session, which took place on the last day of the EuroMedLab 2021 congress, Dr. S. Fares Taie from Argentina (Chair-TFYS), Dr. I.W. Masfufa from Indonesia (Member-TFYS), Dr. G. Sancesario from Italy (Co-chair-TFYS), and Dr. A. Rampul from South Africa (Member-TFYS) shared their thoughts, knowledge, and experience addressing a gathering of young laboratorians. The session was chaired by Dr. S. Fares Taie and Prof. T. Pillay (South Africa).

Dr. Fares Taie during his speech discussed how to keep the motivation in the clinical laboratory amidst of challenges faced in the clinical laboratory today. He further emphasized that millennials have enabled the present laboratory transformation due to their unique abilities, intrinsic talents, creativity, hunger to learn, and collaboration-oriented approach. He emphasized the importance of establishing a healthy company culture for better job satisfaction stating that the basic three facts we expect from our jobs are the senses of competence, affiliation, and purpose.



Dr. S. Fares Taie and Prof. T. Pillay chairing the Young Scientist Session



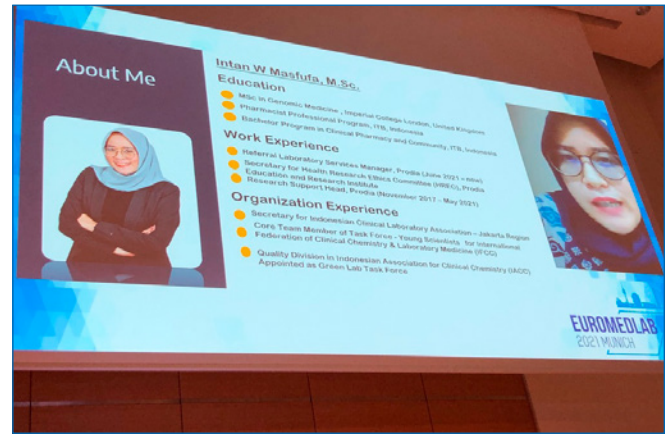
Dr. S. Fares Taie (Argentina)

Dr. Masfufa joined the Young Scientist Session virtually to deliver her speech on Productivity Tools for Young Scientist Professional. Despite joining online, she stirred the interest of the audience by using online polls to have one-to-one interactions with the audience. She highlighted the importance of applying productivity tools such as Google Suite, Asana, Teams, etc., and discussed the application of time management methods such as the Pomodoro technique giving examples. During one of her online polls, it was interesting to note that most of the audience identified “the mobile phone” as the most distracting factor during their work, while being an irreplaceable item in our daily routine.

Next, Dr. Sancesario made a motivating speech on Career management for Young Laboratory Scientists, in which she stressed the importance of taking the initiative to make positive change on your own. She further stated the importance of getting involved with national/international committees, working with a team for event organization, and expanding the network.

During his talk, Dr. Rampul talked to the audience about Conflict Management amongst Young Laboratory Scientists, affirming the vital role of the young laboratorians in negotiating their novel ideas and approaches. Stating that ‘conflicts’ can be defined many ways, he invited his fellow young scientists in the audience to give their opinion, to which Dr. Marie Lenski (France) stated that she believes, the most difficult of conflicts would be the internal conflicts. Dr. Rampul mentioned shortage of resources, conflicting attitude, ambiguous jurisdiction, communication barriers, absence of consensus, poorly defined goals/job descriptions, and failure to appreciate personal differences as possible predispositions to conflicts, and further discussed different approaches to resolving any conflicts.

The young scientists, being the strength of the laboratory during a crisis as the COVID-19 pandemic, they have a central role to play in mediating laboratory services. The motivating talks given during the ‘Young Scientist Session’ by their own fellow young scientists were highly appreciated by the entire audience.



Virtual presentation by Dr. I. W. Masfufa (Indonesia)



Dr. G. Sancesario (Italy)



Dr. A. Rampul (South Africa)

First meeting of the Young Scientists from German, European and International Societies

by Dr. Jakob Adler

*Medical Laboratory for Clinical Chemistry
Microbiology, Infectious Diseases and Genetics
“Prof. Schenk/Dr. Ansorge & Colleagues”
Magdeburg, Germany*

Within the framework of the EuroMedLab 2021, which took place in Munich from 10.04 to 14.04.2022 due to a SARS-CoV-2-related postponement, the groups of young scientists of the German national society (German Society for Clinical Chemistry and Laboratory Medicine (DGKL), the EFLM and the IFCC met for a discussion round. The aim was to enter into a joint exchange regarding their own activities for young scientists.

Dr. Jakob Adler introduced the „Young Laboratory“ section of the DGKL. In addition to a mentoring program, which gives new young members of the DGKL the opportunity to find a suitable mentor for further career planning, the section maintains a cooperation with the Trillium Academy.

Here, young scientists can participate in Trillium Academy courses (Digitalization in Laboratory Medicine with Reference Interval Review (Basic Course and Advanced Course) and Laboratory Data Standardization), with DGKL covering a large portion of the costs. In May 2021, the working group „Digital Competence“ was founded under the leadership of Dr. Jakob Adler. This working group aims to strengthen the digital competence of young laboratory physicians by training algorithmic thinking, developing programming skills in R and explaining typical IT buzzwords in a 5-10 minute IT buzzword bingo.



The great group of Young Scientists at their meeting in Munich

Tara Rolic reported on the EFLM Task Force Young Scientists, which was discussed in a kick-off meeting in June 2021 and established in January 2022 to create a communication network for young scientists, residents and young professionals. This network will be used to promote scientific exchange between young scientists. For this purpose, virtual and face-to-face social, scientific and educational meetings will be organized. In the future, the networking of the young scientists of the IFCC and the groups of the National Societies will be strengthened.

Dr. Santiago Fares Taie presented the IFCC Task Force Young Scientists and their programmes. To highlight some of them, he mentioned the Professional Scientific Exchange Programme (PSEP) that gives economic support to YS that plan to venture in an exchange programme, the webinar series, mentorship interviews and the research booklet. Also, the LAB-SURFING project that builds bridges among YS from all around the world and improves networking. To conclude, Santiago presented the next Leadership Workshop that will take place virtually in the second semester of 2022.

In addition to the scientific program of EuroMedLab 2021, more than 60 young scientists met for a social event in the heart of Munich to exchange ideas, get to know each other better and to network. We are curious to see which cooperations will grow out of this in the future. In any case, the first technical questions were discussed internationally and across borders during this evening.



The Young Scientists during one of the networking events in Munich

SEQC^{ML} is meeting the objectives of its Conference for Residents and New Clinical Laboratory Specialist

by Julia Maroto Garcia
SEQC^{ML}

SEQC^{ML}

Sociedad Española de Medicina de Laboratorio

~ Organized by the Group of Residents and Young Scientists of the Spanish Society of Laboratory Medicine (SEQC^{ML}) ~

- The satisfaction survey showed that the objectives were met satisfactorily for the attendees, who valued the micro-workshops and the talks given to give advice on how to get the most out of the residency.
- The workshops offered during the day were interactive, with practical examples of each case. Participants were taught how to write a scientific article correctly or how to choose the best journal in which to publish.
- The organization of inter-hospital and resident conferences on an annual basis, as well as participation in the residents' round table at the annual national clinical laboratory congress (Labclin), are among the current lines of work of the SEQC^{ML} Group of Residents and Young Scientists.

MADRID, APRIL 2022 – The Spanish Society of Laboratory Medicine (SEQC^{ML}) has successfully held its Conference for Residents and New Clinical Laboratory Specialists that took place in Madrid, on March 4th, 2022.

Based on the responses obtained in the satisfaction survey, the objectives of the Conference, such as introducing the Society to new laboratory residents to inform them of the possibilities it offers for their professional development in the clinical laboratory field, were satisfactorily met.

At the same time, it sought to publicize the activities of the Group of Residents and Young Scientists of the SEQC^{ML} and provided information of interest to residents and new clinical laboratory specialists. In addition, a small training workshop was held in the scientific and research field in order to promote relationships between residents and young specialists from different hospitals and regions of Spain.

The conference was divided into a series of presentations where different tips were offered to attendees for a good residency and information was provided on national and international external rotation grants. The president of the Group of Residents and Young Scientists of the SEQC^{ML} and coordinator of the Conference, Julia Maroto García, delved into the professional opportunities of residents and new specialists and post-residency fellowships. According to the coordinator, “it is important to tell them that at this time, they must do a personal reflection exercise, to assess what each one really wants and what they want to achieve in their professional lives. In this way, we will know if we want to focus on a solely healthcare profile, or if our profile is more investigative”.

As she detailed, the purpose of the lecture was to inform about the job opportunities available and where to find information regarding each of them, among others. “We also addressed the possibility of doing the PhD during or after training, and what research grants can be used both within and outside the SEQC^{ML}”, adds Julia Maroto García.

Article continued on next page

INTERACTIVE MICRO-WORKSHOPS WITH PRACTICAL EXAMPLES

In addition to the presentations, a series of interactive workshops with practical examples in each case were launched during the conference. As the coordinator explains, they "taught how to write a scientific article correctly, how to choose the journal to publish it in, and how to deal with and respond to journal reviews."

According to Julia Maroto García, "the objectives of the Conference were more than met" based on the results obtained in the satisfaction survey. "The attendees established contacts and new inter-hospital relationships, they also valued as very useful both the micro-workshops and the talks given to advise on how to make the most out of the residency" says the coordinator.

Among the main lines of work of the SEQC^{ML} Residents and Young Scientists group is the organization of inter-hospital and resident conferences on an annual basis. "We also participate in the residents' round table at the annual national clinical laboratory congress (Labclin), we promote the training of residents by organizing different sessions or courses in person or through e-learning platforms", details the Conference coordinator. In addition, every day they collect and disseminate the concerns and needs that laboratory residents send them through their different direct communication channels: Facebook and Instagram.

SEQC^{ML}

Spanish Society of Laboratory Medicine (SEQC^{ML})

The Spanish Society of Laboratory Medicine (SEQC^{ML}) —founded in 1976— is an active member of the international and European Federations of Clinical Laboratory, IFCC and EFLM.

It currently encompasses almost 3,000 professionals and its main objective is to bring together all interested scientists in the Clinical Laboratory field, promote the dissemination of scientific and technical publications, organize national and international meetings, courses and congresses, and cooperate with other scientific societies.

Likewise, the Society wishes to contribute to studying and recommending standardized methods and establishing guidelines and recommendations for training in the field of Laboratory Medicine.

For more information: www.seqc.es.



[@SEQC_ML](https://twitter.com/SEQC_ML)



[Residentes del Laboratorio Clínico - SEQC](https://www.facebook.com/Residentes-del-Laboratorio-Clinico-SEQC)



[SEQC-ML](https://www.linkedin.com/company/SEQC-ML)



[segresidentes](https://www.instagram.com/segresidentes)

IFCC, IFCC-Roche and COLABIOCLI Scholarships at COLABIOCLI Congress

March 30 to April 2, 2022 Leon, Mexico

The first group of 2022 Scholarship recipients were selected to attend the XXV Congreso Latinoamericano de Bioquímica Clínica COLABIOCLI, that was held in León (MX), from March 30 to April 2, 2022.

These Scholarships are a valuable way to allow young scientists from selected countries to participate in relevant international scientific congresses and conferences.

In Leon several scholarships were generously offered by Roche, IFCC and COLABIOCLI.

IFCC-Roche Scholarships to: **Jhenny Arenas Cordova** (Bolivia) and **Veronica Isabel Acosta Baruja** (Paraguay).

IFCC Scholarships to: **José Antonio Tesser Poloni** (Brazil), **Katherine Montoya** (Chile), **Maria del Rosario Benesperi** (Argentina), **Romina Medeiros** (Uruguay), **Eliana Oyuela Aldana** (Colombia).

COLABIOCLI Scholarships to: **Sara Benegas** (Paraguay), **Isabel Rodriguez Martin** (Spain).

[Click on this link](#) to read their reports and see their nice photos.



The group of scholarship recipients at COLABIOCLI Congress

In the middle, Dr. David Kinniburgh, IFCC Secretary, and Dr. Ana María LENA Rodríguez, COLABIOCLI EB Representative

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The banner features a stylized illustration of a healthcare professional in a blue and white uniform, wearing a surgical cap and mask. The background is dark blue with various geometric shapes, including a red circle with a white cross, and several black virus-like icons. The text is in white and light blue.

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Registration link: <https://www.himss.org/event-himss-europe/registration>.


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| | | | |
|--|--|--|---|
| Moderator | Inequities in SARS-CoV2 Test Positivity in the United States | Ethical dilemmas involved in risk stratification and resource allocation | Ethical issues in access to effective cancer diagnostic and treatment technologies |
|  |  |  |  |
| Dr. Joe Wiencek [USA] Assistant Professor of Pathology, Microbiology, and Immunology at Vanderbilt School of Medicine | Dr. Henrietta Fasanya [USA] MD/PhD candidate at medical school at the University of Florida | Dr. Sudip Kumar Datta [India] Additional Professor in the Department of Laboratory Medicine, All India Institute of Medical Sciences, New Delhi | Dr. Angela Amayo [Kenya] Associate Professor of Chemical Pathology in the Department of Human Pathology, University of Nairobi |

Date: May 11, 2022
Time: 8 AM (Eastern Standard), 3 PM (Central European), 9 PM (Beijing)



[Click here to access the in-demand content.](#)

IFCC Live Webinar on Analytical and Clinical Aspects of Natriuretic Peptides



Moderator



Prof. Jordi Ordóñez-Llanos
[Spain]

Full Professor of Clinical Biochemistry at the Autonomous University Investigator at the Institute for Biological & Biomedical Research at the Hospital de Sant Pau, Medical Director of the Foundation for Clinical Biochemistry and Molecular Biology in Barcelona, Spain

Clinical Utilization of Natriuretic Peptides in Heart Failure



Prof. Carolyn S.P. Lam
[Singapore]

World-renown clinical trialist, with her work as part of the global steering committees of PARAGON and EMPEROR-Preserved trials contributing to the first approved treatments for HFpEF to date. She was appointed to the 2021 European Society of Cardiology Heart Failure Guidelines Task Force

Natriuretic Peptides: Laboratory & Assay Analytics Part 1



Dr. Amy Saenger
[USA]

Medical Director of the Clinical Laboratories, Director of Clinical Chemistry and Point-of-Care Testing at Hennepin County Medical Center, Associate Professor of Laboratory Medicine and Pathology at the University of Minnesota, USA

Natriuretic Peptides: Laboratory & Assay Analytics Part 2



Dr. Peter Kavsak
[Canada]

Professor in the Department of Pathology and Molecular Medicine at McMaster University in Hamilton, Canada. Fellow of the Canadian Academy of Clinical Biochemistry, the American Association for Clinical Chemistry Academy, and the Canadian Cardiovascular Society.

Date: April 26, 2022

Time: 8 AM (Eastern Standard), 3 PM (Central European), 9 PM (Beijing)



[Click here to access the in-demand content.](#)

IFCC Live Webinar on High-Sensitivity Cardiac Troponin Assays – Clinical Applications



Moderator



Prof. Fred Apple
[USA]

Hennepin Healthcare, Principal Investigator Cardiac Biomarkers Trials Laboratory of Hennepin Healthcare Research Institute & Professor, Laboratory Medicine & Pathology, University of Minnesota, UK

Myocardial Injury



Prof. Allan Jaffe
[USA]

Professor in Mayo Clinic in Rochester Board Member in both Cardiology and Laboratory Medicine

Early Rule Protocols



Prof. Richard Body
[UK]

Professor of Emergency Medicine Director of Research and Innovation at Manchester University NHS Foundation Trust

Diagnosis and Risk Assessment



Prof. Torbjørn Omland
[Norway]

Professor of Medicine at the University of Oslo, Norway and Consultant Cardiologist at Akershus University Hospital

Date: April 6, 2022

Time: 10 AM (Eastern Standard), 5 PM (Central European), 11 PM (Beijing)



[Click here to access the in-demand content.](#)

NEWS FROM REGIONAL FEDERATIONS AND MEMBER SOCIETIES

XXVIII Congress of the Andalusian Society of Clinical Analysis (SANAC)

“Clinical Laboratory and Point of Care Testing (POCT)” – Seville 2022

Sanac SOCIEDAD ANDALUZA DE ANÁLISIS
CLÍNICOS Y MEDICINA DE LABORATORIO

by Dr. Maria del Carmen Pasquel
Member CPR and WG-IANT/RIA /CPD-IFCC



Maria del Carmen Pasquel



“No one could imagine when we finished our annual Congress in Marbella in March 2019 that we would be two years without being able to see each other again, to meet, to meet again. The COVID-19 pandemic that we have and are suffering was the cause we suspended the 2020 annual congress and celebrated it virtually in 2021.”

These were part of the words of Dr. José Ángel Noval Padillo, President of the Organizing Committee of the XXVIII Congress SANAC in his Welcome letter to the participants.

SANAC is a new member of the IFCC, the RIA and the WG-IANT, its representative is Dr. Cristóbal Avivar, President of SANAC.

From March 10 to 12, 2022, this successful congress was held in Seville, Spain, whose title was a topical topic: the clinical laboratory “POINT OF CARE TESTING (POCT)”, which was attended by more than 290 professionals from laboratories of the national territory and Latin America. congress XXVIII SANAC Congress, a scientific event where research also had a relevant point with 122 accepted communications and 7 scientific articles already published. Four prizes were awarded for scientific research, with Dr. Cristóbal Avivar awarding the first prize for the best COMMUNICATION “BIOCHEMICAL ALGORITHM FOR COLON CANCER SCREENING”.

On March 10, the pre-congress course “POCT from theory to practice” was held, moderated by the president of the Scientific Committee Dr. Gema Varo, where two very interesting topics were discussed: Key points in the management of POCT devices from the Laboratory and the Quality System in POCT with the ISO 22870 standard.

Article continued on next page

On March 11, the POCT topic was addressed in the different round tables, such as: COVID-19 emergency hospital, new concept of patient care; Usefulness of the POCT in the improvement of hospital emergencies; POCT in primary care.

For the closing of the congress on March 12, the “Recommendations on the use of the CLC-GNC nomenclature” and the round table “The Ibero-American Dialogue Corner” were presented, whose moderator was Dr. Cristóbal Avivar Oyonarte, member of the WG-IANT.

The main objective of this round table was to make the attendees aware of everything that the IFCC is around the world and what it is doing for the benefit of Laboratory Medicine, both in continuing education and in supporting the improvement of medicine quality, laboratory, and the history of the Iberoamerican Corner and WG-IANT.

To close the event, the SANAC Assembly was held where the activities report of the SANAC Board of Directors was delivered, the delivery of the 4 awards for research work and finally the Closing Ceremony.

Congratulations to Society Andaluza for such an excellent event on such a current topic as the Clinical Laboratory and Point of Care Testing (POCT).



Dr. Cristobal Avivar delivering the First Prize for the best Communication



Scientific activities of the Congress



Metabolomics Book Club: a new teaching-learning strategy in chemical pathology

by **Dr. Lena Jafri**

Associate Professor and Section Head
Chemical Pathology
Aga Khan University, Pakistan

Developments in the techniques of analytical clinical chemistry and metabolomics are the source of the rapid evolution of a new omics era. The introduction of metabolomics in the Section of Chemical Pathology at Aga Khan University, Karachi Pakistan pertains to important platforms: analytical techniques like GCMS, FTIR, HPLC and LCMSMS. With the introduction of mass spectrometers and HPLC in the section almost 8-9 years ago metabolic profiling of patients suspected of having inherited metabolic disorders can be done. We have screened > 22000 high risk children and adults in past 8 years and have identified around 40 disorders using these cutting edge technologies. The Biochemical Genetics Laboratory in my section has established some targeted metabolomics panels for quantitation of selected groups of metabolites using mass spectrometry specifically for inherited metabolic disorders and newborn screening (LCMSMS).

Metabolomics Book Club

2nd Thursday of every month
Sopariwala Conference Room
Second Floor at noon.
April 14, 2022

To facilitate understanding of metabolomics and to enhance the science of metabolomics we will read books on metabolomics in a circle. New knowledge gained will be discussed between readings.

Activity Director:
Dr Lena Jafri
Associate Professor and Section Head
Chemical Pathology
Aga Khan University
Open for pathologists, scientists and researchers in the field of omics.
No prior registration needed.

Organised by:
Department of Pathology and Laboratory Medicine
in collaboration with
Department of Continuing Professional Education

For more information:
Nasheed Inhad
Department of Pathology & Lab Medicine
021 3486 1927, nasheed.inhad@aku.edu

Activity Code: RNS-DMC-0083-2022
"Metabolomics Book Club"

The ACCME recognizes this for educational activity for a maximum of 1.00 credit hour of CME/CE/CPD credit.
This activity is accredited by the Commission on Accreditation of Continuing Medical Education (ACCME).
ACCME is a not-for-profit organization that provides accreditation and certification for continuing medical education (CME) activities.
ACCME is a member of the International Board of Standards and Practices for Certified Continuing Medical Education (IBCFCE).

To facilitate understanding of metabolomics and to enhance the science of metabolomics a monthly activity of 'Metabolomics Book Club' was initiated in the section of Chemical Pathology, Department of Pathology and Laboratory Medicine at Aga Khan University. The goal was that the participants facilitate the discussion and are at the same level of understanding by the end of the one-hour long monthly session.

In the beginning the activity director (myself) introduced the structure of the book club and the cover of the book. The participants were seated in a small room and read a pre-selected book on metabolomics in a circle. New knowledge gained was discussed between readings. The first chapter "Introduction to Metabolomics" of the book titled "Metabolomics: From Fundamentals to Clinical Applications" was read aloud in circle and discussed in depth. There were nearly 9-10 people in the room, including faculty, residents, technologists and research associates. Discussion on various techniques and methods of metabolomics and their sensitivities and specificities was done. The group identified potential research areas on metabolomics between readings.

At the end of the book club the group of readers summarized reading, shared their experiences, made predictions and clarified difficult and new concepts of metabolomics. Novel information of metabolomics was disseminated to all on a same level. All participants enjoyed this novel approach of teaching and besides discussion on science it promoted a love for books and a positive attitude towards reading. The metabolomics book club allowed participants to have a deeper understanding of the book and metabolomics application to service, education and research.



News from the Japan Society of Clinical Chemistry (JSCC): the 2021 JSCC Outstanding Young Investigator Award

by Hideo Sakamoto, PhD

International Exchange Committee of JSCC

The Japan Society of Clinical Chemistry (JSCC) Outstanding Young Investigator Award was given to persons who has made outstanding academic research in clinical chemistry. In 2021, Atsushi Hori, PhD and Satoru Shinriki, D.D.S., Ph.D. were winners of the Outstanding Young Investigator Award. At the 61th Annual Meeting of JSCC in Fukuoka, Japan from November 5-7, 2021, award winners Dr. Hori and Dr. Shinriki were congratulated by Dr. Takashi Miida, President of JSCC for their outstanding work in clinical chemistry.



Atsushi Hori, PhD

In this issue, we would like to introduce one of winners of Outstanding Young Investigator Award to distribute his outstanding work.

Atsushi Hori PhD (Department of Clinical Laboratory Medicine, Juntendo University Graduate School of Medicine; Center for Genomic and Regenerative Medicine, Juntendo University Graduate School of Medicine) is the winner of the 2021 JSCC Academic Award, entitled with “Comparison of phospholipid molecular profiles in bronchoalveolar lavage fluid between IgG4-related respiratory disease and sarcoidosis.”

Dr. Hori began conducting research on lipid molecular profiles as a graduate student, while working in the Department of Laboratory Medicine at Shinshu University Hospital. In all human organs, biological membranes consist of various lipid molecular species. Their lipid molecular structures are determined by their components, such as fatty acids. Organs have unique lipid molecular profiles, which are likely altered in disease. Therefore, he hypothesized that lipid molecular profiles can be used as disease markers. Dr. Hori and his colleagues developed mass spectrometric methods to quantify serum phospholipids molecular species and glycosphingolipids molecular species (*Clin Chim Acta.* 2016; *Ann Clin Biochem.* 2019). Using these methods, Dr. Hori demonstrated that the levels of certain phosphatidylcholine molecular

species were decreased in the bronchoalveolar fluid of patients with IgG4-related respiratory disease compared to those with sarcoidosis. He also examined the sphingomyelin (SM) molecular profiles in patients with hematological malignancies such as B-cell lymphoma, myelodysplastic syndrome (MDS), acute myeloid leukemia, and acute lymphatic leukemia/lymphoblastic lymphoma. The levels of SMs containing fatty acids with odd numbers of carbons were lower in serum from patients with hematologic malignancies than in normal subjects, although the concentrations of total phosphatidylcholine and SM were similar. In addition, the levels of SMs containing fatty acids with 18–22 carbons were decreased in patients with MDS as compared with normal subjects (*Clin Chim Acta.* 2021). These results suggest that the lipid molecular profile reflects disease pathophysiology, and thus has potential as a biomarker.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



News from the Saudi Society Clinical Chemistry (SSCC)

The Laboratory International Day: Accreditation, Quality and Diagnosis

by Dr. Anwar Borai
SSCC representative to the IFCC

The Saudi Society for Clinical Chemistry (SSCC) held the activity of “Laboratory International Day: Accreditation, Quality and Diagnosis” (Hybrid seminar) on the 31st March 2022 at Intercontinntal Hotel, Jeddah, Saudi Arabia. The seminar was organized by King Abdulaziz Hospital in Jeddah and chaired by Dr. Ahmed Al Asmari.

Many well known local speakers and companies representatives participated in this seminar. The seminar was accredited by the Saudi Commission for Health Specialties for a total of 8 CME hours, with more than 200 delegates attending in person to the meeting and another 1000 attending online. The seminar time extended from 8:00 am to 5:30 pm.

The Scientific Program included 4 sessions with 15 different speakers. The sessions were about laboratory management, leadership, laboratory accreditation, point of care testing, laboratory automation and emerging markers and clinical toxicology.



Speakers and Laboratory International Day organizing committee members

Article continued on next page

The first session was started by Dr. Anwar Borai, Consultant Clinical Scientist, King Abdulaziz Medical City, Jeddah, KSA and his presentation titled as "Wise Strategies to Improve Test Utilization in Clinical Laboratory. The second talk title "Losing Laboratory Samples: Does it Matter?" was presented by Dr. Heba Kary, Consultant Chemical Pathology, Prince Sultan Military Hospital, Jeddah, KSA. "Challenges in Laboratory Diagnosis of COVID-19" was presented by Dr. Hatem Makhdoum, Taibah University, Al Madinah Al Munawwarah, KSA. "The next generation of total laboratory automation" was presented by Mr. Ahmed Tamim, Beckman Coulter, SA. Dr. Nashat Nafouri, Quality Council, KSA presentation was titled as "Excellence Journey in Health care Services Toward 2030 Vision -Where to Start?". State of the Art in Clinical Microbiology was presented by Dr. Mohammad Qotob from King Faisal Specialist Hospital, Jeddah, KSA. "The Pathway to Blood Safety" was presented by Dr. Mohammed Al Mohammadi, King Abdulaziz Medical City, Jeddah, KSA. Cholesterol or Triglycerides Which One We Should be Concerned?" was presented by Dr. Abdulhadi Bima, King Abdulaziz University, Jeddah, KSA. "Leading tests for the emergency laboratory hsTropI and procalcitonin" presented by Mr. Ahmed Shehata, Beckman Coulter, KSA. "Point of Care Testing in Saudi Arabia" presented by Ms. Najwa Adlan, King Faisal Specialist Hospital, Riyadh, KSA. "Introduction to Histopathology, How to Process Histopathology Specimen" presented by Dr. Slawa Bakhsh, Staff Pathologist, King Abdulaziz University, Jeddah, KSA. Dr. Hesham Abdulkader from King Abdulaziz Hospital, Jeddah, KSA presentation was about "Automation in Hematology. Dr. Shrif El Halily from King Abdulaziz Hospital, Jeddah, KSA presentation was about "Leadership in people management" and finally "Forensic and Clinical Toxicology an overview" was presented by Dr. Ahmed Asmari, Consultant Forensic Toxicology, King Abdulaziz Hospital, Jeddah, KSA.

In the middle of the day there was poster presentation and prizes were announced for the winners by the end of the day 2000 SR, 1000 SR and 500 SR for the first, second and third winners respectively.



Participants attending one session



L-R (Standing): Dr. Altaf Abdulkhalig, Dr. Alia Abdulghafar, Dr. Heba Gari (speaker), Ms. Najwa Adlan (speaker). Sitting right Dr. Abdulhadi Bima (speaker and moderator), and on the left Dr. Ahmed Al Asmari (speaker, moderator and symposium organizer).

IFCC WELCOMES A NEW CORPORATE MEMBER

Biomasterclin Laboratorios Venezuela



We are a comprehensive corporation dedicated to the manufacture, import and distribution of reagents and clinical laboratory equipment.

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IFCC'S CALENDAR OF CONGRESSES, CONFERENCES & EVENTS

Calendar of IFCC Congresses/Conferences and Regional Federations' Congresses

| | | | |
|----------------------------|---|--|---------------|
| May 23, 2022 |  <p>International Federation of Clinical Chemistry and Laboratory Medicine</p> | <i>IFCC Live Webinar on: Data-driven Operations and Machine Learning Applications in Clinical Laboratories</i> | Live webinar |
| June 25 - 26, 2022 |  <p>International Federation of Clinical Chemistry and Laboratory Medicine</p> | <i>IFCC Forum for Young Scientists</i> | Seoul, KR |
| June 26 - 30, 2022 |  <p>IFCC WorldLab SEUL 2022 24th International Congress of Clinical Chemistry and Laboratory Medicine</p> | <i>XXIV IFCC WORLDBLAB Seoul 2022 XVI APFCB Congress Seoul 2022</i> | Seoul, KR |
| <i>New date TBA</i> |  <p>ARAB FEDERATION OF CLINICAL BIOLOGY AFCB</p> | <i>AFCB Congress 2022</i> | Beirut, LB |
| May 21 - 25, 2023 |  <p>21-25 May EUROMEDLAB ROMA 2023</p> | <i>XXV IFCC - EFLM WorldLab EuroMedLab - Rome 2023</i> | Rome, IT |
| April 2024 |  | <i>XXVI COLABIOCLI 2024</i> | Cartagena, CO |

Calendar continued on next page

| | | | |
|------------------|---|----------------------------------|----------------------|
| 2024 Date TBA |  | XXVI IFCC WORLDLAB Dubai 2024 | Dubai, AE |
| 2025 Date TBA |  | XXVI IFCC-EFLM EUROMEDLAB 2025 | Venue to be selected |
| 2026 Date TBA |  | XXVII IFCC WORLDLAB 2026 | Venue to be selected |
| 2027 Date TBA |  | XXVII IFCC-EFLM EUROMEDLAB 2027 | Venue to be selected |
| 2028 Date TBA |  | XXVIII IFCC WORLDLAB 2028 | Venue to be selected |
| 2029 Date TBA |  | XXVIII IFCC-EFLM EUROMEDLAB 2029 | Venue to be selected |
| 2030 Date TBA |  | XXIX IFCC WORLDLAB 2030 | Venue to be selected |

Other events with IFCC auspices

| | | |
|--------------------|---|-----------------------------|
| May 17 - 21, 2022 | <i>13th International & 19th National Congress on Quality Improvement in Clinical Laboratories</i> | Teheran, IR |
| May 23 - 26, 2022 | <i>10th Santorini Conference "Systems medicine and personalized health and therapy" – "The odyssey from hope to practice: Patient first – Keeps Ithaca always in your mind"</i> | Santorini, GR |
| May 25, 2022 | <i>Short Synacthen Test: Guidelines and Interpretation</i> | Karachi, PK Hybrid event |
| May 25 - 27, 2022 | <i>3rd EFLM Strategic Conference</i> | Online event |
| May 25 - 27, 2022 | <i>The 13th Conference of the Romanian Association of Laboratory Medicine (RALM)</i> | Brasov, RO |
| May 26 - 28, 2022 | <i>XXXV National Days of Clinical Biology</i> | Hammamet, TN |
| Jun 5 - 8, 2022 | <i>CSCC 2022 Annual Conference</i> | Niagara Falls, CA |
| Jul 5, 2022 | <i>Corporate member event: Laboratory Medicine Case Contest</i> | Mindray virtual conference |
| Jul 18 - 23, 2022 | <i>29th AMBICON 2022</i> | Bangalore, IN |
| Sept 12 - 14, 2022 | <i>XXII Serbian Congress of Medical Biochemistry and Laboratory Medicine and 16th Symposium for Balkan Region</i> | Belgrade, SRB |
| Sept 18 - 21, 2022 | <i>20th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology - IATDMCT 2022</i> | Prague, CZ |
| Sept 19 - 20, 2022 | <i>6th Slovenian Congress of Clinical Chemistry and Laboratory Medicine</i> | Portoroz, SI |
| Sept 21 - 23, 2022 | <i>28th AACC International CPOCT Symposium – Meeting Evolving Patient Needs Using Point-of-Care Testing</i> | Montreal, CA |
| Sept 22 - 24, 2022 | <i>XVI Baltic Congress in Laboratory Medicine</i> | Tallin, EE |

| | | |
|-----------------------|---|--------------------|
| Sept 28, 2022 | <i>International Conference on Laboratory Medicine "Moving laboratory medicine beyond the pandemic: from disruptive technologies to innovation"</i> | Padua, IT |
| Sept 28 - Oct 1, 2022 | <i>10th Congress of the Croatian Society of Medical Biochemistry and Laboratory Medicine</i> | Zagreb, HR |
| Sept 29 - Oct 2, 2022 | <i>XXXI World Congress of the World Association of Societies of Pathology and Laboratory Medicine (WASPaLM)</i> | Punta del Este, UY |
| Oct 2 - 5, 2022 | <i>2nd AFCB-EFLM Conference Laboratory Medicine for Mobile Societies in the Mediterranean Area</i> | Athens, GR |
| Oct 4 - 9, 2022 | <i>FEBS Advanced Course: 360-degree Lysosome; from structure to genomics, from function to disease-update</i> | Izmir, TR |
| Oct 14 - 17, 2022 | <i>46th ISOBM Congress</i> | Bled, SI |
| Oct 26 - Nov 15, 2022 | <i>How to write and publish: a good scientific & professional article</i> | Online event |





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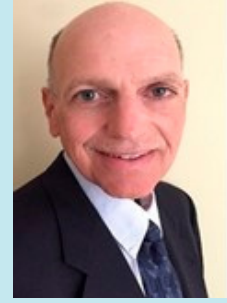
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| | Zimbabwe (ZW) |

Regional Federations

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 African Federation of Clinical Chemistry (AFCC)
 Asia-Pacific Federation for Clinical Biochemistry
 and Laboratory Medicine (APFCB)
 European Federation of Clinical Chemistry
 and Laboratory Medicine (EFLM)
 Latin America Confederation
 of Clinical Biochemistry (COLABIOCLI)
 North American Federation of Clinical Chemistry
 and Laboratory Medicine (NAFCC)

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 Egypt: Egyptian Association of Healthcare Quality and Patient Safety
 France: French National Network of Accredited Laboratories of Medical Biology (LABAC)
 India: Association of Medical Biochemists of India (AMBI)
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 Jordan: Society for Medical Technology & Laboratories (SMTL)
 Kazakhstan: Public Association - Federation of Laboratory Medicine (FLM)
 Mexico: Federación Nacional de Químicos Clínicos (CONAQUIC A.C.)
 Nepal: Nepalese Association for Clinical Chemistry (NACC)
 Philippines: Philippine Council for Quality Assurance in Clinical Laboratories (PCQACL)
 Romania: Order of the Biochemists, Biologists, Chemists in Romanian Health System (OBBCSSR)
 Serbia: Serbian Society for Clinical Laboratory Medicine and Science (SCLM)
 Spain: Andalusian Society for Clinical Analysis and Laboratory Medicine (SANAC)
 Asociación Española de Farmacéuticos Analistas (AEFA)
 Sri Lanka: College of Chemical Pathologists of Sri Lanka (CCPSL)
 Turkey: Society of Clinical Biochemistry Specialists (KBUD)
 Ukraine: Association for Quality Assurance of Laboratory Medicine (AQALM)
 United Arab Emirates: Genetic Diseases Association (UAEGDA)

Publisher

**Communications and Publications
Division (CPD) of the IFCC**

The Communications and Publications Division publishes ten editions of the e-News per year, including two double issues.

Editor

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Design & Production:



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The eNews is distributed to all IFCC members registered on-line to receive it and to all IFCC sponsors.

Deadlines for submissions to the eNews

N° 1/2 – January/February: *by mid January*

N° 3 – March: *by mid February*

N° 4 – April: *by mid March*

N° 5 – May: *by mid April*

N° 6 – June: *by mid May*

N° 7/8 – July/August: *by mid June*

N° 9 – September: *by mid August*

N° 10 – October: *by mid September*

N° 11 – November: *by mid October*

N° 12 – December: *by mid November*

If you want to submit an article or advertisement to be published in the eNews, send it to:
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