

№ 6
June 2024

enews

International Federation of Clinical Chemistry
and Laboratory Medicine



Communications and Publications Division (CPD) of the IFCC

Editor: Katherina Psarra, MSc, PhD

IFCC Office, Via C. Farini, 81

20159 Milano, Italy

E-mail: enews@ifcc.org



enews

In this issue

The voice of IFCC

- Message from the IFCC President 4
- Call For Outcome Study Proposals 6
- GLOBAL MED LAB WEEK 2024 “LABS SAVE LIVES” 7
- Global Medlab Week Celebrations in Pakistan 14

IFCC: the Young Scientists

- IFCC Young Scientists – Young scientist awarded at WorldLab 2024 in Dubai 18
- IFCC Young Scientists – YS excursion to the University City of Sharjah 22
- IFCC Young Scientists – 1st young scientists poster session at WorldLab 2024 in Dubai 24
- Absolute Success of the Third Young Scientist Forum in Dubai 25
- IFCC WorldLab 2024 - Dubai through Young Scientists' Eyes 27

Contribute to IFCC eNews

- Tips for Success when Applying for Global Recognition Through the UNIVANTS of Healthcare Excellence award program 37

News from Regional Federations and Member Societies

- Painting the Path: Exploring AI in Healthcare through Art 40
- News from Japan Society of Clinical Chemistry (JSCC) 2023 Technology Award 42
- News from SEQCI: Exercise tests using video games help stimulate growth hormone in children in a non-invasive and safe way 44
- The 15th Conference of the Romanian Association of Laboratory Medicine 46
- News from the Turkish Biochemical Society (TBS) 51

New IFCC Members

- Zybion Inc.; Guangzhou Wondfo Biotech Co. Ltd; Dirui 52

IFCC's Calendar of Congresses, Conferences & Events

- IFCC and Regional Federations events 54
- Corporate Member events with IFCC auspices 55
- Other events with IFCC auspices 56



The voice of IFCC

IFCC and Congress President's Welcome Message

June 2024

By Tomris Ozben

Dear Colleagues and Friends,

On behalf of the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), and as the Congress President, I would like to express my heartfelt gratitude to all those who contributed to the 26th International Congress of Clinical Chemistry and Laboratory Medicine (ICCCLM) - IFCC WorldLab Congress, which was successfully held at the Dubai World Trade Centre (DWTC) from May 26 to May 30, 2024. The WorldLab Congress Dubai was organized jointly with the 17th Congress of the Arab Federation of Clinical Biology (AFCB), the 10th Annual Meeting of the Saudi Society for Clinical Chemistry (SSCC), and the 8th International and United Arab Emirates (UAE) Genetic Disorders Conference in partnership with MZ Events.

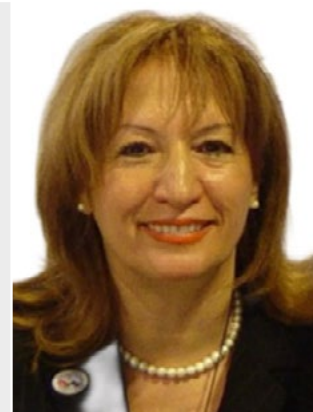
The WorldLab Congress brought together scientists, researchers, clinicians, and experts from the in vitro diagnostics industry for a rewarding five-day experience of scientific exploration and education.

I would like to share some brief statistical data about the Congress: 2,045 delegates from 107 nations, 1,700 visitors, 255 faculty members, 600 exhibitors' staff, and 39 companies, occupying 1,100 sqm of exhibition area, attended the Congress.

Preceding the main Congress, the 3rd IFCC FORUM for Young Scientists was organized. The Forum was a resounding success, featuring many young scientists (YS) as speakers and moderators. It was an excellent opportunity for networking and sharing experiences among YS from all over the world. In the morning, the Forum participants received a visit from Sheikh Theyab Bin Khalifa Bin Shakhbout Al Nahyan, who addressed the participants with a speech highlighting the UAE's programs in support of Young Scientists. The YS also attended the main Congress and participated in a competition involving a poster tour judged by both junior and senior scientists. The best three posters were awarded an IFCC t-shirt.

On the occasion of the IFCC WorldLab Congress, the IFCC Council meeting took place on Sunday, May 26th, from 1:00 pm to 4:00 pm. After the presentation of the Executive Board reports and IFCC Divisions' Reports, the last part of the Council meeting was allocated for a plenary discussion with IFCC member societies and corporate members on the topics entitled "Current and Future Advances and Challenges in Laboratory Medicine."

The WorldLab Congress began with the Opening Ceremony on Sunday, 26th May 2024, at 5 pm. Following the welcome addresses of the Congress Organizing Committee members representing IFCC, the Arab Federation of Clinical Biology (AFCB), the Saudi Society for Clinical Chemistry (SSCC), and United Arab Emirates Genetic Diseases Association (UAEGDA), the stimulating keynote lecture entitled "Pushing forward the frontier of cfDNA diagnostics" was presented by Prof. Dennis Lo from The Chinese University of Hong Kong.



Prof. Tomris Ozben
EuSpLM, Ph.D.

The Scientific Program of the Congress had a multidisciplinary agenda, covering fundamental concepts, advanced diagnostics, and cutting-edge techniques in laboratory medicine. Esteemed international speakers and key opinion leaders addressed diverse topics, including healthcare, recent diagnostic technologies, scientific breakthroughs, and emerging challenges.

The congress served as a platform to showcase the latest technologies and innovations in laboratory medicine and explore their potential applications in healthcare.

Several IFCC Functional Units' meetings were held during the Congress, bringing together the Chairs and Members to discuss their activities and projects.

IFCC Executive Board (EB) members met with the IFCC Corporate members (CMs) to provide direct and transparent communication between the IFCC EB and IFCC CMs.

The 2024 IFCC DISTINGUISHED AWARDS, selected by the IFCC Awards Committee, were announced at the Opening Ceremony and presented to the seven winners at the Awards Ceremony dinner, held on Monday, 27th May 2024, at the Dubai World Trade Center.

My heartfelt thanks to the in vitro diagnostics sector; their continuous support and contributions have made the success of this Congress possible. The In Vitro Diagnostic (IVD) Sector played a vital role in the Congress by organizing two essential activities: high-level Educational Workshops on important topics, featuring eminent speakers presenting the latest scientific advances in all disciplines relevant to laboratory medicine. The IVD Sector also organized an extensive exhibition, providing attendees with a prime opportunity to explore recent technological advancements, products, and services aimed at enhancing laboratory operations.

I would like to express my heartfelt gratitude to all the eminent speakers, chairs, IVD industry representatives, and all the participants attending the Congress from different countries around the world.

The exceptional hospitality of the United Arab Emirates Genetic Disorders Association (UAEGDA), and the support and high interest of UAE high health authorities, several Ministers, and Sheikhs, were highly appreciated by the congress organizers and attendees.

I would like to acknowledge and thank the Professional Congress Organizer (MZ Events) for their dedicated efforts in organizing the congress successfully.

On this occasion, I would like to invite you to the next EuroMedLab and WorldLab Congresses. I warmly invite you to join us at the 26th IFCC-EFLM EuroMedLab Congress, which will be hosted by the Royal Belgian Society of Laboratory Medicine from May 18th to May 22nd, 2025, in Belgium, Brussels, and I extend to you a warm invitation to attend the 27th WorldLab Congress, organized jointly with the Asia and Pacific Federation of Clinical Chemistry (APFCB) and the Association of Clinical Biochemists of India (ACBI) in New Delhi, India, from October 25 to October 29, 2026.

I wish many successful congresses to be held and hope to meet you all at other scientific and educational events.

Prof. Dr Tomris Ozben, EuSpLM, Ph.D., Full Professor of Clinical Biochemistry

IFCC, President

WorldLab Dubai 2024, Congress President

Call For Outcome Study Proposals

Research Funding Available



IFCC's Task Force on Outcome Studies in Laboratory Medicine (TF-OSLM) is seeking research proposals for studies evaluating the **impact of laboratory testing on healthcare outcomes**.

Study proposals should seek to evaluate the clinical effectiveness and impact of new and/or commonly available medical laboratory tests and/or laboratory information on patient care outcomes in clinical practice. It is crucial for the proposed study to link the laboratory testing insights to patient management, and improvements/changes in clinical outcomes (see below for details).

If you, in collaboration with your clinical colleagues are interested in applying please [click here](#) for full eligibility criteria and details on how to apply.

All application are due by: [October 1, 2024]

Don't Miss Your Chance to Demonstrate the Value of Laboratory Medicine!!

GLOBAL MED LAB WEEK 2024 "LABS SAVE LIVES"

By **Dr. María del Carmen Pasquel-Moxley**, C-PR/CPD-IFCC Chair, WG-IANT Member-Ecuador, COLABIOCLI National Representative of Ecuador.



COMMITTEE PUBLIC RELATIONS (C-PR)- COMMUNICATIONS AND PUBLICATIONS DIVISION OF THE IFCC (C-PR/CPD-IFCC)

From left to right, top and bottom: Elisa Fossati (Italy), IFCC secretariat; María Pasquel-Moxley Chair of C-PR (Ecuador); Ronald Khunga (Malawi), new member; María Schroeder (Uruguay), member and her little son Gabriel; Enrique Rodríguez (Spain), new member; Prof. Rajiv Erasmus, C-PR past Chair (African Federation of Clinical Chemistry-AFCC, Federation Representative on the IFCC); Ashishkumar Agravatt (India) new member; Meeting of March 14, 2024.

From April 22 to 28, Global Med Lab Week, which is the World Week of Clinical Laboratory Professionals, was celebrated worldwide. You can visit their website at:

www.globalmedlabweek.org

This special date serves as a significant occasion for all professionals engaged in Laboratory Medicine, emphasizing the vital work dedicated to patient health care. We accomplish this mission by providing clinically relevant results tailored to their specific needs. Notably, this initiative, organized by the IFCC, marks its third consecutive year of implementation.

The Public Relations Committee (C-PR) of the IFCC is responsible for its coordination. In 2024, each of its members, including three newcomers, demonstrated great dedication and enthusiasm

in organizing the activities. Their efforts resulted in an outstanding job, with responses from all six Federations comprising the IFCC: the African Federation of Clinical Chemistry (AFCC), the Arab Federation of Clinical Biology (AFCB), the Asia Pacific Federation of Clinical Biochemistry and Laboratory Medicine (APFCB), the Latin American Confederation of Clinical Biochemistry (COLABIOCLI), and the North American Federation of Clinical Chemistry and Medicine Laboratory (NAFCC).

Each member of the C-PR was assigned responsibility for activities within their respective regions. These tasks were conducted through WhatsApp groups, either newly generated or pre-existing, to facilitate communication and coordination.

It was also imperative to send multiple emails, both from the IFCC secretary and from the personal email accounts of the five C-PR members: the Chair and four members, each hailing from different regions of the world—Africa, India, Europe, and Latin America. This approach ensured that each member could focus on facilitating the activity within their respective regions.

The emails served as invitations to participate in this significant global event, providing guidelines for creating videos or audio recordings. These submissions would subsequently be compiled into a podcast. The theme for this year's Global Med Lab Week was "Laboratories Save Lives."

The Regional Representatives, National Representatives, and Champions of the countries played instrumental roles in coordinating activities within their respective nations during this celebration. A total of 61 videos were received, from which a selection of the top three was made. These winners will be announced and honored at Worldlab Dubai. The selection process was challenging due to the high quality of submissions. Criteria considered included the clarity of the message "Laboratories Save Lives," the creativity in theme development, and the overall quality of the video, including factors such as English subtitles, bilingual content, and visual and audio clarity.

Sixteen videos were carefully chosen and submitted to a special jury for evaluation. Each member of the jury watched the videos and completed a rating form based on three criteria. This method ensured impartiality throughout the process, as no one knew the ongoing results. The final outcomes were revealed during the C-PR meeting held on May 6th.

Fifty podcasts and numerous short videos were professionally edited to enhance the promotion of GMLW World across various social media platforms. All professionals who sent material to IFCC for this activity received a certificate of participation.

Additionally, several countries organized academic events before, during, and after the GMLW2024 week, prominently featuring the GMLW2024 Logo. These events included professional activities open to the public, complemented by the drafting of press releases.

It was also remarkable that Prof. Tomris Ozben, the President of IFCC, successfully advocated for her country, Turkey, to designate a permanent annual recognition period from April 22nd to 28th for Clinical Laboratory Professionals by the Ministry of Public Health. This initiative serves as a commendable example for other countries to emulate, thereby solidifying and expanding the global recognition of this vital celebration.

The young scientists comprising the C-PR and the IFCC TF-YS played a pivotal role in promoting the event on social media platforms. This endeavor received additional support from professionals employed by IFCC. The outcome was highly successful, as indicated by the report presented by the company. We extend an invitation to the entire IFCC community to join us on our official social media channels as well as those dedicated to GMLW.

Banners and flyers were designed and disseminated to promote this global event, which continues

to expand its reach and fulfill its objective. The overarching goal is to foster greater appreciation and recognition within the community for the invaluable contributions of clinical Laboratory Medicine professionals. It is essential for the public to understand that behind every result they receive, there is a dedicated professional safeguarding their health and contributing to saving lives.

The activity conducted by the C-PR (Public Relations Committee) was characterized by its intensity, with Zoom meetings held every 15 days throughout March and April. Overcoming the challenge of finding a suitable time for all participants was a significant feat, considering the varying time zones. While some found it early, others preferred afternoon or evening sessions. Nevertheless, the focus remained on scheduling and executing the tasks at hand, including the development of new podcast guides, videos, and extending support to National Representatives and Champions. Continuous communication with countries within the assigned regions was also maintained.

The results achieved were diligently evaluated during each group meeting. Ultimately, with the collective support and effort of everyone involved, a successful GMLW 2024 with the theme "Laboratories Save Lives" was realized.

Gratitude is extended to the authorities of IFCC, CPD, TF-YS, WG-IANT, the IFCC Internet and Digital Communications Committee, as well as the dedicated staff of IFCC, Naranhaus, and Anmys, whose unwavering support was instrumental in assisting the C-PR.

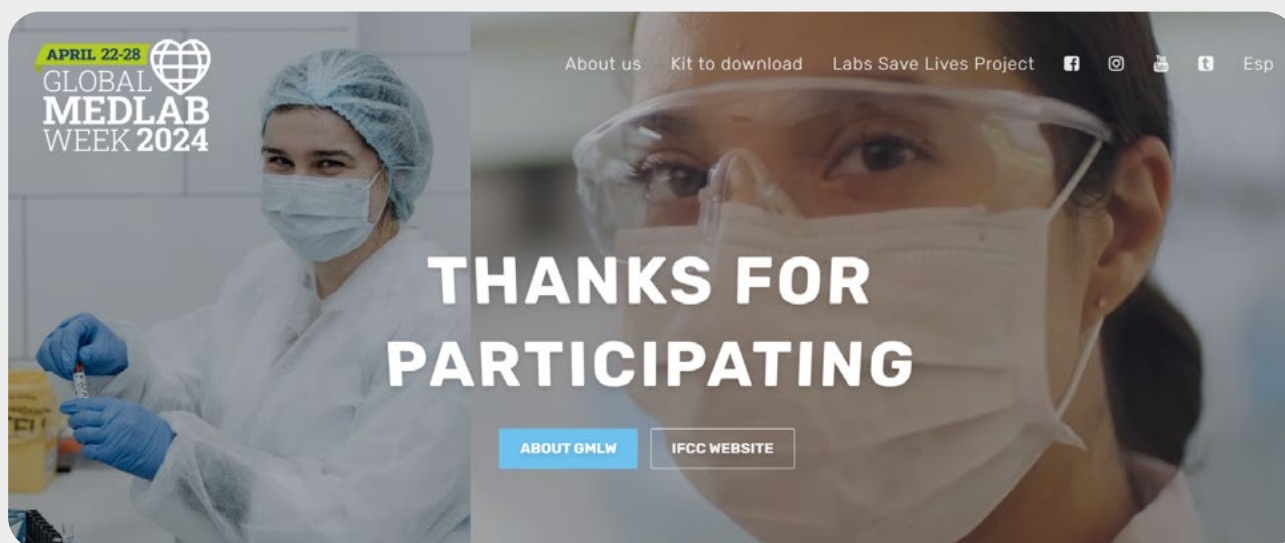
Acknowledgments are extended to colleagues and contributors who shared their experiences on "Why Labs Save Lives" through podcasts, videos, press releases, interviews, and other mediums. Special thanks also go to those who actively promoted IFCC social networks during this significant global celebration week.

Gratitude is extended to all individuals who organized scientific events in their respective countries and engaged in various activities with their communities, thereby showcasing the invaluable nature of our profession.

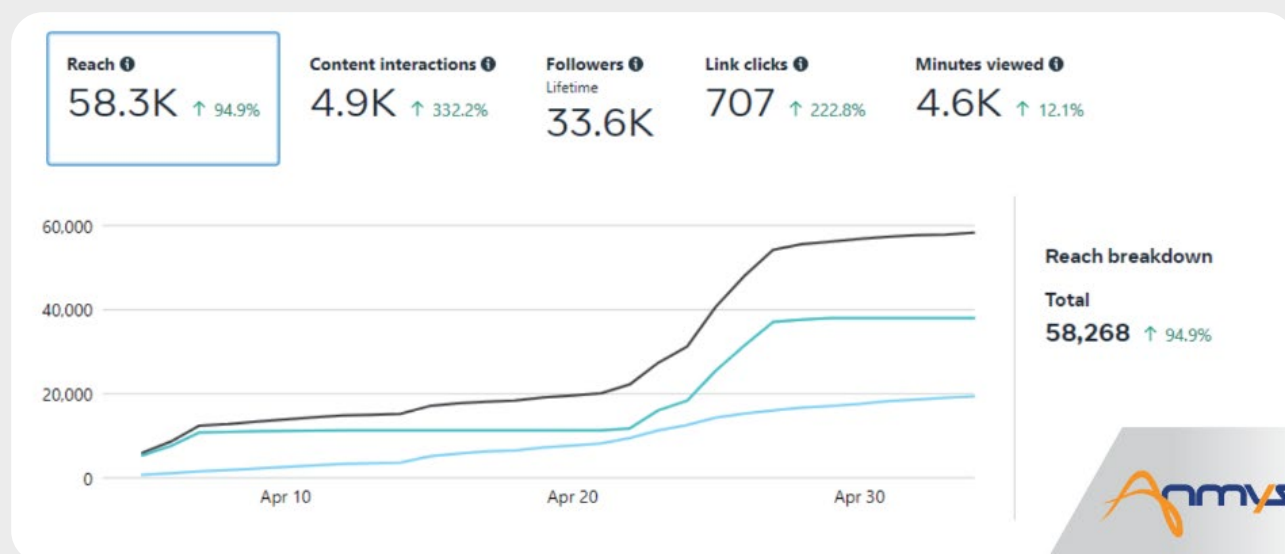
All content shared in podcasts and videos will be made available on IFCC social networks, where it can be viewed and shared.

Thank you once again. Success is the result of everyone's efforts.

We look forward to seeing you at Global Med Lab Week 2025.



www.globalmedlabweek.org



Ammy's report tells us that during the week of the GMLW there were 58,000 visits on Facebook, we increased visits by 948% compared to the same dates last year



Stay connected with the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) on our social media platforms!🌐 Follow us on:

Facebook:
<https://www.facebook.com/IFClinChem/>

Instagram:
<https://www.instagram.com/ifclinchem/>

Twitter:
<https://twitter.com/IFClinChem>

Telegram:
<https://t.me/ifclinchem>

LinkedIn:
<https://www.linkedin.com/company/ifcc/>

YouTube:
<https://www.youtube.com/@ifclinchem>



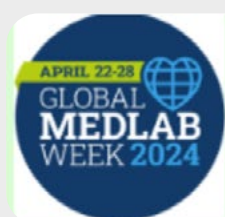
WATCH ALL OUR VIDEOS

<https://www.youtube.com/@ifclinchem>
#GlobalMedLabWeek



LISTEN TO OUR PODCASTS

<https://podcasters.spotify.com/pod/show/ifcc>
#globalmedlabweek



Kit to download

Kit to download and share Download and copy these ready-to-use kit and share them on your social networks and workplace! Together we can celebrate and globalmedlabweek.org

<https://globalmedlabweek.org/kit-to-download/>

LINK OF THE 16 BEST VIDEOS SELECTED FOR THE PROJECT “LABS SAVE LIVES”, according to the clarity of the message, according to their creativity to deliver the message and according to the quality of the video in audio, images, languages, subtitles. It was not an easy task for the jury.



LINK OF THE 16 BEST VIDEOS SELECTED FOR THE PROJECT “LABORATORS SAVE LIVES”

<https://globalmedlabweek.org/es/los-laboratorios-salvan-vidas/>

There was also intense activity on the GMLW social networks

Welcome to the Global MedLab Week 2024!

Labs Save Lives

Join and celebrate Med Lab Professionals around the world

Follow us on our social media platforms!🌐: When publishing on your networks remember to include the main tag #globalmedlabweek and mention us using @globalmedlabweek

Facebook:

<https://www.facebook.com/GlobalMedLabWeek>

Instagram:

<https://www.instagram.com/globalmedlabweek>

Twitter:

<https://twitter.com/GMedLabWeek>

YouTube:

<https://www.youtube.com/@globalmedlabweek-ifcc>

Website:

www.globalmedlabweek.org

Join us for the latest updates, news, and insights!

An initiative of the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)

#Globalmedlabweek

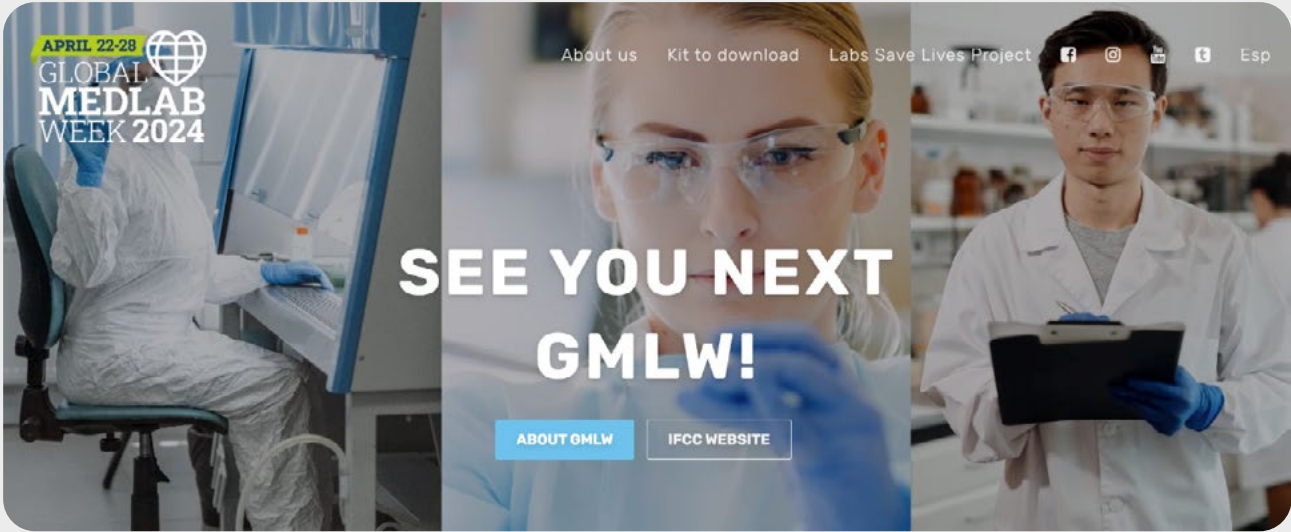
#Labssavelives

#IFCC #ClinicalChemistry #LabMedicine



Some flyers





www.globalmedlabweek.org

Thank you for participating and see you at the next GMLW 2025.

Global Medlab Week Celebrations in Pakistan

By **Dr. Fatima Kanani**, GMLW National Representative for Pakistan Society of Chemical Pathology

In line with the Global MedLab Week (GMLW), Pakistan also celebrated and honoured its lab professionals with institutes holding academic and festive activities. Memon Medical Institute(MMI) held a CME entitled “Know the hidden secrets of Phlebotomy- maintaining the integrity of pre-analytical phase”. They also uploaded a podcast on their social media discussing the significance of labs and their role in the medical field. Pivotal role of various clinical laboratory sections in patient care was highlighted.

Indus Hospital and Health Network (IHHN) celebrated the GLMW with week-long, learning and fun filled activities. There were two days of Continuous Medical Education (CMEs) by all sections of the Clinical Laboratory. First CME was “Simplifying Method Validation: Lessons Learned from CAP Accreditation”. After an overview of the overall accreditation process and requirements, various sections of the Clinical Laboratory, namely Immunology, Chemical Pathology, Microbiology and Molecular Pathology presented topics related to the method validations and verifications from their perspectives. Each presentation was followed by hands on activities. Winners of the pre and post test quiz were awarded certificates and prizes.

Simultaneously, the Haematology Section conducted a CME on “Interpretation of Basic Haematology Tests and Quality Checks”. Next day, there was a CME on Mystery of Cytogenetics, another one on “Elevating Blood Safety: Exploring Advancements in Transfusion Transmitted Infections” and one on “Immunohistochemistry in Histopathology Laboratory”.

Apart from these CMEs held centrally in Karachi chapter, other campuses also held equally exciting webinars. Multan Institute of Kidney Diseases (MIKD) Campus held a webinar on Point of Care Testing in which a comprehensive talk on POCT pre-requisites, feasibility, types, techniques and challenges was given. Jubilee Town Campus, Lahore held a much-needed webinar on “PT evaluations- Essential Corrective and Preventive Measures”. Gwadar Campus held two CMEs, one on “Quality Control and Quality Assurance in Clinical Laboratory” and the second on “ADA 2024 Guidelines for Diagnosis of Diabetes Mellitus”. Games and Cake cutting ceremonies were also conducted in the campuses.

The laboratory staff participated in an online quiz based on fifteen laboratory policies and Standard Operating Procedures (SOPs). Then there was a full day devoted to a fun gala with food and games stalls. The lab techs showed their creativity and skills in organizing innovative games, activities and amusements. Haematology Section came up with WBC cupcakes and hydration stations, Chemical Pathology had a free eat-all-you-can competition and Microbiology Section had a Henna stall amongst others. There was a photobooth and a shout out stand to celebrate the lab techs.

The lab week closing ceremony was attended by the Hospital CEO, Medical Director and the Network President. There were skits and tableaus presented by the different sections as well as a poetry competition. Winners were awarded certificates and gifts. There were prizes for best overall performers in all categories, ranging from lab techs and supervisors to porters, lab drivers and house keeping. The entire lab team were gifted with token gifts as well in appreciation of their hard work throughout the year.

Aga Khan University Hospital and Indus Hospital and Health Network also contributed to GLMW on IFCC social media platforms by contributing videos and podcasts. All in all, the GMLW in Pakistan was celebrated enthusiastically and contributed to further recognition of laboratory professionals amongst our clinical colleagues.

*Global Medlab Week
Celebrations in Pakistan*



Award distribution at MMI



Podcast by MMI



Award distribution at Jubilee Campus, Lahore, IHHN



Cake cutting at Badin Campus, IHHN



Chemical Pathology Workshop at Karachi Campus, IHHN



CME at Gwadar Campus, IHHN



Lab staff at Muzaffargarh Campus, IHHN



Proud winners of Method Validation Quiz



Lab team with President and CEO, IHHN



Illuminating Your Lab with MAGLUMI X

Fully-auto Chemiluminescence Immunoassay System



MAGLUMI® X3

Throughput: up to 200 T/H
Sample position: 72
Reagent position: 20



MAGLUMI® X6

Throughput: up to 450 T/H
Sample position: 112/412
Reagent position: 30



MAGLUMI® X8

Throughput: up to 600 T/H
Sample position: 300
Reagent position: 42



1000 T/H
Break Speed Limit

MAGLUMI® X10

Throughput: up to 1000 T/H
Sample position: 300
Reagent position: 50

IFCC: the Young Scientists

IFCC Young Scientists – Young scientist awarded at WorldLab 2024 in Dubai

Marie Lenski, French YS (Société Française de Biologie Clinique, SFBC), IFCC-TF-YS member

This year, one Young Scientist, Dr David Barthélémy, has been selected to receive the 2024 IFCC-Gérard Siest Young Scientist Award for Distinguished Contributions in Pharmacogenetics, sponsored by Biologie Prospective. This award recognizes an outstanding young investigator or young leader (under 40 years of age) for his/her contribution to advancing the scientific discipline of pharmacogenomics and Personalized/Precision Medicine and/or its impact on research, development, standardization, quality management, regulatory evaluation or utilization in therapy.

Dr David Barthélémy is a young specialist in laboratory medicine (PharmD, PhD) who joined the Biochemistry and Molecular Biology Department of the Hospices Civils de Lyon, France, in 2018. He also currently teaches pharmacology at the Faculty of Pharmacy (ISPB, UCBL1) and conducts his research at the Center for Innovation in Oncology of Lyon (UR3738 CICY). His research activities in pharmacogenetics aim to improve sequencing technologies and evaluate the variability of pharmacogenetic profiles for complex pharmacogenes such as CYP2D6, UGT1A1, and NAT2. The IFCC Task Force - Young Scientists (IFCC TF-YS) seized the opportunity to interview Dr Barthélémy during the 26th WorldLab - IFCC International Congress in Clinical Chemistry and Laboratory Medicine held in Dubai (UAE) from 26th to 30th May 2024.

Could you please define pharmacogenetics?

Pharmacogenetics is the branch of genetics that studies how an individual's genetic makeup affects their response to drugs. This field aims to understand the genetic factors that contribute to variations in drug efficacy and toxicity, allowing for more personalized and effective treatments. Key goals of pharmacogenetics include identifying genetic pharmacokinetics (PK) and pharmacodynamics (PD) markers that predict drug response, optimizing therapeutic drug monitoring (TDM), and minimizing adverse drug reactions. By integrating genetic information into drug therapy, pharmacogenetics seeks to enhance the safety and effectiveness of medical treatments for individual patients.

What are the main applications of pharmacogenetics in clinics?

Pharmacogenetics has significant clinical applications across various medical fields. In mental health, it tailors psychotropic drugs to individual patients, improving efficacy and reducing adverse effects. In oncology, it predicts toxicities to chemotherapies like thiopurines and fluoropyrimidines, allowing for safer treatment. In internal medicine and transplantation, it optimizes the use of immunosuppressants such as calcineurin inhibitors and thiopurines. In vascular medicine and cardiology, it guides the use of anticoagulants, including VKAs and DOACs, to reduce bleeding or thrombotic risks. Additionally, in pain management, it helps select and dose opioids for more effective and safer pain relief. Overall, pharmacogenetics enhances personalized treatment and improves patient outcomes.

What are the analytical techniques that could be used in pharmacogenetics?

At the Hospices Civils de Lyon (HCL), pharmacogenetic analyses employ two main strategies. For high urgency cases requiring rapid results, techniques like TaqMan PCR and Sanger sequencing are used to predict drug toxicities for fluoropyrimidines (DPYD), topoisomerase inhibitors (UGT1A1), thiopurines (TPMT,

NUDT15, ITPA), and isoniazid (NAT2). For moderate urgency cases, second-generation (short read) and third-generation (long read) sequencing methods analyze a broad panel of genes involved in the pharmacokinetics (PK) and pharmacodynamics (PD) of various drugs, including psychotropics, anticoagulants, certain anticancer drugs, and analgesics. This comprehensive approach provides a detailed pharmacogenetic profile, enhancing personalized treatment by assessing the patient's genetic influence on drug metabolism and therapeutic targets.

Why did you choose to work on pharmacogenetics?

At the beginning of my medical biology residency, I was initially interested in tumor biology. At that time, I associated therapeutic personalization exclusively with the characteristics of the patient's tumor. This concept of precision medicine tailored to the tumor's characteristics fascinated me and guided my specialization in this field. However, midway through my residency, a remarkable professional opportunity arose. My mentors, Professors Léa PAYEN and Jérôme GUITTON, proposed that I specialize in pharmacotoxicology with a strong focus on pharmacogenetics to develop this sector at the Hospices Civils de Lyon (HCL). This marked my transition from somatic pharmacogenetics (tumor biology) to constitutional pharmacogenetics. This journey revealed to me the true meaning and future of personalized medicine : medicine adapted to the genetic characteristics of each patient across a wide range of pathologies and pharmacological classes. Finally, I find it highly rewarding, as a pharmacist, to bring this expertise to clinicians, combining genetics and in-depth pharmacological knowledge.

What is your daily activity in pharmacogenetics, both in clinics and in research?

In my daily activities in pharmacogenetics, I balance clinical and research responsibilities. Clinically, I review patients' genetic profiles to provide personalized medication recommendations, oversee genetic testing using techniques like TaqMan PCR and next-generation sequencing, and collaborate with clinicians from various specialties to integrate pharmacogenetic data into patient care. I also educate and train healthcare professionals on pharmacogenetics. In research, I design and conduct projects to explore new pharmacogenetic markers, analyze genetic data to inform clinical practices, and publish findings in scientific journals. Additionally, I stay updated on advancements in sequencing technologies and bioinformatics, integrating these innovations to enhance the accuracy and efficiency of pharmacogenetic analyses. This dual role allows me to contribute to personalized medicine by improving patient outcomes and advancing scientific knowledge in pharmacogenetics.

Do you have any advice to a Young Scientist that would like to specialize in pharmacogenetics?

To specialize in pharmacogenetics, build a strong foundation in genetics, molecular biology, and pharmacology. Staying updated on the latest research and technologies, and seek mentorship from experienced professionals, this point is essential. Gain practical experience through research projects and clinical rotations, and develop, if it is possible, skills in bioinformatics and data analysis. Perform interdisciplinary collaboration and enhance your communication skills to explain pharmacology and genetic concepts effectively. Always adhere to ethical guidelines, respecting patient privacy and informed consent. Be patient and persistent, as the field can be challenging, and actively network by connecting with other scientists and joining professional organizations. These steps will help you succeed in advancing personalized medicine.

I thank my mentor, Professor Lea Payen, for her learning and training qualities, Dr. Delphine COLLIN-CHAVAGNAC for recommending me for this award, the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), SFBC, BIOLOGIE PROSPECTIVE, and the IFCC Young Scientists task force for supporting this nomination.

IFCC Young Scientists - Young scientist awarded at WorldLab 2024 in Dubai



Dr David Barthélémy, winner of the 2024 IFCC-Gérard Siest Young Scientist Award for Distinguished Contributions in Pharmacogenetics, sponsored by Biologie Prospective.



The IFCC Young Scientists: Ashlin Rampul, Santiago Fares Taie, Marie Lenski, David Barthélémy, Sean Campell, Jose Larramendi



IFCC Distinguished Awards (L-R): IFCC Awards Committee Chair and IFCC Past President; Prof Adeli, Dr Barthélémy, Award winner, IFCC President; Prof Ozben, Dr Siest, Biologie Prospective, Award Sponsor

Clinical Chemistry Line

Intelligent solutions for small to medium sized labs

- > Perfect matching of all components for quality and efficiency
- > From photometers to fully automated analyzers
- > Broad assay portfolio "Made in Germany"



HumaStar 600

900 to 2250 tests / day



HumaStar 300SR

440 to 1100 tests / day



HumaStar 200

260 to 650 tests / day



HumaStar 100

200 to 500 tests / day



HumaLyzer 4000
HumaLyzer Primus

Up to 100 tests / day



Find out more at www.human.de/cc

MADE IN GERMANY

Human

Diagnostics Worldwide

IFCC Young Scientists – YS excursion to the University City of Sharjah

By **Judit GONDA**, Hungarian YS

Sharjah, UAE, 29 May 2024, Wednesday

During the WorldLab 2024 Dubai congress, besides the excellent YS Forum held on Sunday, Young Scientists had an opportunity to make a full-day visit on 29 May to the University City of Sharjah. Sharjah is the northern neighbouring emirate of Dubai and the third-most populous city in the United Arab Emirates.

The warm hospitality and the preparedness of our hosts were fascinating and gave a very good start to the day.

Firstly, we were taken to Sharjah Research Technology and Innovation Park (SRTIP), where Aisha AlKhayyal (Sharjah Advanced Industry Accelerator Lead at SRTIP) and her colleagues introduced us to the institution and showed us around the facility. The Park is focused on promoting research, technology, and innovation in various fields, including healthcare, energy, environment, and technology. The institution aims to create a collaborative platform for academic institutions, businesses, and government agencies to work together to promote innovation, research and cutting-edge technology. We visited the SoiLAB (Sharjah Open Innovation Lab), the 3D studio and the Electronics lab and had an opportunity to look closely at the current projects.

Our second program was a guided bus tour through the whole University City. We were amazed by the modern and impressive architecture of the different university and academy buildings and also by the great variety of high educational facilities. Even some landmarks of Sharjah, such as the Clock Tower were shown to us.

Thereafter, Dr Fadi Aloul, the dean of the College of Engineering, American University of Sharjah (AUS) introduced us to the high-ranked university. The AUS is globally recognised for its outstanding and innovative teaching, learning, research and creative work that has a positive and distinctive impact on the region and beyond. Dr Amin Majdalawieh (Professor and head of the department at Biology, Chemistry and Environmental Science) and Dr Hasan Alnashash (Professor of Electrical Engineering) told us about their faculties, the multidisciplinary programs in biomedical engineering, one of the fastest-growing engineering disciplines worldwide, and the possible collaboration opportunities. They showed us around the excellent engineering science laboratories where we could have a look at their current research activities and daily work.

Our next program was a visit to the University of Sharjah Medical Campus Research Institute for Medical and Health Sciences (RIMHS). The RIMHS excels in its new research environment, with its schools of biomedical/biotechnology sciences, dental medicine, medicine and pharmacy. They take an interest in laboratory basic sciences and clinical, behavioural, and public health. We visited cutting-edge technology laboratories for drug design, discovery and delivery and gene editing and therapy.

Lastly, we visited the Holy Quran Academy. The Academy was established to serve the Quran and its sciences by taking care of the Holy Quran in all its forms in manuscript, print, audio and digital and the introduction of related sciences and its pillars, in addition to developing the skills of those interested and working in the field of the Quran. The Academy includes several museums, they offer scientific courses and have a specialised library.

We returned to Dubai at the end of the day with broadened scientific horizons and cultural experience. Our hosts did not just give us an interesting and enjoyable insight into the scientific life of the University City of Sharjah but we were also warmly welcomed in all facilities and we were even

*IFCC Young Scientists - YS excursion
to the University City of Sharjah*

taken care of in the hot weather with refreshing Arabic coffee served with dates and delicious lunch.

Many thanks to Dr Shaikha Almazrouei for organising our trip and to Fady AbdulNasser AbuKhadra for coordinating our group through the whole day!



IFCC Young Scientists – 1st young scientists poster session at WorldLab 2024 in Dubai

Marie LENSKI, French YS (Société Française de Biologie Clinique, SFBC), IFCC-TF-YS member

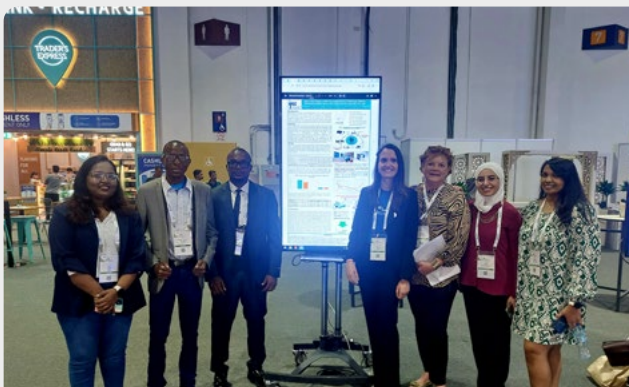
Claudia IMPERIALI, Spanish YS (Spanish Society for Clinical Biochemistry and Molecular Pathology SECQ), IFCC-TF-YS member

The 26th WorldLab - IFCC International Congress in Clinical Chemistry and Laboratory Medicine was held in Dubai (UAE) from May 26th to 30th, 2024. In addition to the 3rd young scientist forum organized on Sunday, May 26th, 2024, the IFCC Task Force - Young Scientists (IFCC TF-YS) organized the 1st « Young Scientist poster tour ». The objective was to encourage young scientists to share their high-quality scientific work by giving an oral presentation of their posters. Young professionals had 5 minutes to present and 5 minutes to answer questions to defend their work in front of a jury made up of two members: one IFCC officer and one member of the IFCC TF-YS. In addition, congress participants could take as audience members.

A total of 60 young scientists participated to this activity, along with 20 jury members. All participants received a certificate of participation, and ten young scientists were selected for the Best poster presentation award.

The IFCC TF-YS would like to thank the IFCC officers who participated or offered their participation in this activity. The Young Scientists Poster Tour received great support from IFCC officers, and the young Scientists received extremely valuable feedback from them, both in terms of scientific content and form. This feedback will be of great interest to them to build their careers as laboratory professionals and future leaders.

This first edition of the Young scientists Poster Tour at WorldLab Dubai was great success. The IFCC TF-YS is planning to repeat this activity in the next EFLM-IFCC congress 2025 in Brussels, Belgium, in collaboration with the EFLM Task-Group Young Scientists (EFLM TG-YS) and groups of YS from national federations of specialists in laboratory medicine.



Absolute Success of the Third Young Scientist Forum in Dubai

By **Task Force Young Scientist members** (Tara Rolić, Josep Miquel Bauçà, Kamil Taha Uçar and Marie Lenski)

The 3rd Young Scientist Forum provided attendees, speakers, moderators, and organizers with a fantastic opportunity to present their specific and professional work and connect with young colleagues from around the world facing similar challenges and sharing the same enthusiasm for their profession. Held at the Conrad Hotel in Dubai, UAE, just before the opening of the 26th International Congress of Clinical Chemistry and Laboratory Medicine, the forum saw over 200 registered young scientists.

Participants had a wonderful chance to exchange knowledge and experiences about their daily work and research by presenting their scientific pathways. The first session, coordinated by Marie Lenski (France) and Tamar Ramishvili (Georgia), focused on digital technology innovations in laboratory medicine. Jonatas Barbosa Garcez (Portugal) discussed the need for quality control for eGFR in clinical settings, while Tara Rolić (Croatia) presented on calculating reference intervals for thyroid hormones using an indirect approach. Mia Gruzin (Australia) introduced a novel tool for improving the quality of genetic pathology post-analytical reports, and Layla Dawood (UAE) talked about interpretable machine learning in dementia. During the coffee break, participants had the honor of being welcomed by Sheik Theyab Bin Khalifa Bin Shakhbout Al Nahyan, who wished them a prosperous future.

The second session, designed following young scientists' initiative to organize case series webinars, was coordinated by Udara Senarathne (Sri Lanka) and Claudia Imperiali (Spain). It featured case reports from Danda Vasconcelos Santos Milena (Brazil), Laura Valina (Spain), Hamudin Mohd Amirul (Malaysia), and Zeenath Thaneeda Mohamed Thowfeek (Sri Lanka) : Creutzfeldt-Jakob Disease in Brazil, Clonal Isotype Switch: phenomenon after haematopoietic stem cell transplantation, Uncommon Detection of Monoclonal Proteins in Alpha 2 Region on Serum Protein Electrophoresis: A Case Series and Unlocking the Mystery of Hirata Syndrome: A Fascinating Journey Through Recurrent Hypoglycemia and the Intricacies of Insulin Autoimmune Syndrome (IAS). The session concluded with a discussion table where attendees had the unique opportunity to ask questions and comment on their own case reports.

The third and most interactive session was coordinated by Kamil Taha Uçar (Turkey) and Santiago Fares Taie (Argentina). This session was truly inspiring for both future and current leaders, thanks to the perspective into the laboratory of the future. Sean Campbell (USA) started the session by dividing attendees into groups to discuss leadership and mentorship challenges. Ashlin Rampul (South Africa) presented Mandela's principles of leadership, highlighting aspects that young scientists can do to improve in their lives and positions. Atwi Maya (UAE) inspired attendees with her work on unlocking cancer's secrets and the key role of stem cells. Josep Miquel Bauçà (Spain) delved into the psychology of leadership and management, discussing personality traits and their impact on an effective communication and time management. The session concluded with Sibtain Ahmed (Pakistan) discussing the pros and cons of POCT, followed by a fruitful discussion on user experiences.

Based on the impressions of the moderators, speakers, and attendees, the forum was a wonderful and truly successful event. Thanks to the remarkable support of the IFCC and notable figures such as Prof. Tomris Ozben, Prof. Khosrow Adeli, Dr. Maryam Matar, Dr. Eduardo Freggiaro, Dr. Alvaro Justiniano, and Prof. Rajiv Erasmus, the forum provided a fruitful scientific, professional, and personal networking experience. Young scientists from all over the world showcased their knowledge and pushed forward the boundaries of their field. As even the senior participants concluded, young scientists are not the future of laboratory medicine; they are today's leaders. Until the next forum, keep up the excellent work and strive for the best.



TF-YS

IFCC FORUM For Young Scientists 3^o Edition

United Arab Emirates, Dubai
26th May, 2024



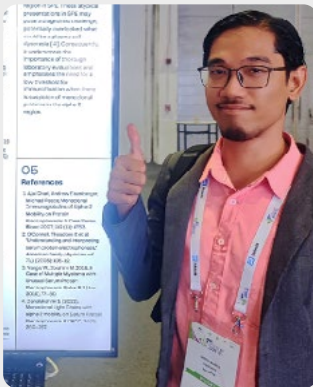
IFCC WorldLab 2024 – Dubai through Young Scientists' Eyes

By Task Force Young Scientist members (Tara Rolić, Josep Miquel Bauçà, Kamil Taha Uçar and Marie Lenski)



Milena Danda Vasconcelos Santos
Waldemar Santos Laboratory – Brazil

Participating in the IFCC YS Forum helped updating and expanding my knowledge on laboratory medicine, with a broader view on the current trends and challenges. I also had the opportunity to present my research and receive constructive feedback. It was a great opportunity to share my experience in Brazil with researchers from all over the world. The connection with researchers with similar interests will enable future collaborations, explore new pathways eventually inspiring new projects that aim for better lab testing.



Mohd Amirul
Hospital Ampang - Malaysia

Attending the IFCC Congress in Dubai was a truly remarkable and enriching experience, which was made possible by the generous IFCC Travel Grant Scholarship. As a young Chemical Pathology trainee this was my first international scientific congress, and the atmosphere was exhilarating. One of the highlights was the opportunity to present my research during the elevator pitch session. The chance to share my work and receive feedback from experts in the field was an unparalleled learning opportunity. The congress itself was a treasure of knowledge, covering a wide range of topics in laboratory medicine.



Shimaa Ezzat Elshenawy
Egypt Center for Research & Regenerative Medicine – Egypt

Attending the forum was truly unique. Listening to young researchers from all over the world discuss their work provided invaluable insights into current global trends and cutting-edge research. The sessions on leadership and career development were particularly inspiring. The most special aspect for me was the friendships I forged. I had the pleasure of connecting with two amazing researchers from Spain and South Africa, and we truly enjoyed our time together. Beyond that, the discussions I had with all the participants and established scientists were incredibly valuable. I gained so much from their advice and experience. An additional highlight was connecting with the African Federation of Clinical Chemistry (AFCC).



Elcy Tufenkij

University of Aleppo, Faculty of Pharmacy Aleppo - Syria

It is my pleasure and honour to have the opportunity to attend the IFCC Forum took place on 26th May, that was one of the most distinctive occasions, served as a platform for young scientists from around the world to present their research, exchange experiences, forge relationships and discuss potential collaborations. It was an extremely wonderful and rich experience, where I really enjoyed the inspiring and stimulating talks. I would like to thank all the organizers of such successful forum, especially Dr. Santiago and Dr. Shaikha.



Betselot Zerihun

Ethiopian Public Health Institute -Ethiopia

Being awarded the travel scholarship was a tremendous opportunity for me. Initially, I thought the IFCC was solely focused on clinical chemistry. However, attending these events broadened my understanding of the IFCC scope and activities. I discovered that the IFCC encompasses a wide range of laboratory sciences, including clinical chemistry, molecular diagnostics, laboratory management, and more. This realization opened my eyes to the diverse opportunities and fields within laboratory medicine that I had not previously considered.



Sudhahar Tamizhan

Dept of Biochemistry, AIIMS Rishikesh - India

Vanakkam! Namasthe! It was One of the best International Conferences! At the IFCC YS Forum, I was particularly impressed by the depth of discussions around emerging technologies and their potential to revolutionize patient care. The passion and creativity displayed by the young scientists were palpable, creating an environment ripe for networking and the cultivation of future leaders in the field. The keynote presentations were not only informative but also motivational, emphasising the critical role that innovation and interdisciplinary collaboration play in advancing healthcare. I was part of the Young Scientists Forum which opened my eyes Innovation, Extraordinary development and Applications.



Rupali Bains

Dept of Biochemistry, AIIMS Rishikesh - India

My best experience at the IFCC YS Forum on May 26th was witnessing the dynamic exchange of innovative ideas among young scientists, fostering a sense of collaboration and inspiration. The forum's vibrant atmosphere highlighted the potential for groundbreaking advancements in clinical chemistry and laboratory medicine.



Melisa Florentin
Dermatology Specialties Center - Paraguay

The opportunity to interact with young scientists from around the world, working in different areas of laboratory sciences, allowed me to broaden my perspective and see science from different angles. It was fascinating to learn about the new advancements, technologies, and discoveries in this field. The most surprising thing was the passion and dedication that all participants had for science. We were all united by the desire to make a difference in the world through our work in the laboratory. The words of motivation and encouragement from the experts present at the Young Scientist Forum resonated with me and made me realize the importance of my work as a scientist.



David Chisompola
Arthur Davison Children Hospital – Zambia

My best experience at the IFCC YS Forum was realizing that we, the youth, are the future of science. Witnessing the vibrant exchange of knowledge and innovative ideas among young scientists from diverse backgrounds was incredibly inspiring. The collaborative atmosphere and passion for engaging in research to advance science made it an unforgettable experience.



Kim G. Sarong
Silliman University – Philippines

Attending the IFCC Young Scientists Forum on May 26th, 2024, at the Conrad Hotel in Dubai was a remarkable experience, highlighted by the insightful presentations and dynamic discussions on cutting-edge advancements in clinical chemistry. The networking opportunities with fellow young scientists from around the world were invaluable, fostering collaboration and inspiring future innovations in the field.



Ratna Apriyanti
Prodia Clinical Laboratory – Indonesia

It was a very valuable experience for me to have the opportunity to attend the 3rd Young Scientist Forum IFCC which was held on 26 May 2024 in Dubai. YS Forum has become a forum for exchanging ideas and learning about new research that can provide mutual insight into the scope of research and work of fellow scientists in various countries and also learn about leadership and laboratory management which is very useful. Of course, we will have a wider network around the world scientists. I would like to thank you for all the committee members who made this forum success.



Marina Shah

Universiti Malaya and Hospital Kuala Lumpur - Malaysia

As an introvert, I initially felt overwhelmed by the enthusiastic crowd at the Young Scientists Forum. However, the forum provided a great platform for networking, sharing ideas, and learning from peers. Witnessing the passion of these young researchers in improving their respective healthcare sectors inspired me greatly. I am very glad to have been given the opportunity to be there. Looking forward to future activities by YS-TF.



Milad Khorasani

Neyshabur university of medical sciences - Iran

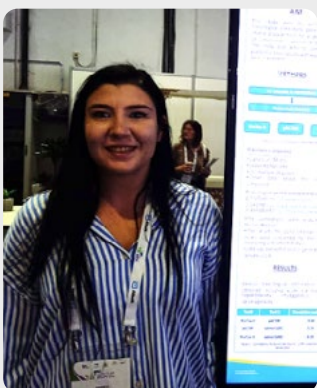
The Young Researchers Session served as a springboard for young professionals like me to showcase our work, receive constructive feedback, and engage in stimulating discussions. It provided a valuable opportunity to expand my understanding of cutting-edge technologies and methodologies shaping the future of biochemistry. A standout experience during the congress was the visit to Sharjah. Exploring this allowed me to interact with scholars from diverse backgrounds, fostering a deeper appreciation for global perspectives in scientific research.



Hira Azeem

Aga Khan University Hospital, Karachi - Pakistan

I am deeply honoured to have attended the IFCC Forum on May 26th. Attending the IFCC Young Scientists Forum was a transformative experience that allowed me to network with peers and learn from leading experts in the field. It was truly an inspiring event. This esteemed event offered young scientists from around the world a platform to showcase their research, exchange experiences, build connections, and explore potential collaborations. I extend my heartfelt gratitude to all the organizers for orchestrating such a successful forum, with special thanks to Dr. Santiago and Dr. Shaikha.



Monica Dugășescu

Fundeni Clinical Institute, Bucharest, Romania

My first participation in the IFCC Forum for Young Scientists exceeded my expectations! I am thrilled to work in a field alongside such motivated and hardworking peers. Meeting you in person was an honor, and I look forward to many more opportunities to connect, collaborate, and advance the field of laboratory medicine together. Under the IFCC umbrella, we, as young scientists in laboratory medicine, must build a strong community. Each of us can contribute to making this goal a reality, and the Forum was a powerful reminder of our collective potential.



Rana Khanafsa

Palestinian Medical Laboratory Association - Palestine

Attending the IFCC YS Forum on May 26th was an enlightening experience that allowed me to connect with like-minded professionals and gain invaluable insights into the latest advancements in clinical chemistry. I am eager to share these insights with you all, as the engaging discussions and collaborative environment made it a truly memorable and inspiring event.



Dipesh Tamrakar

Nepal Association for Medical Laboratory Sciences (NAMLS) – Nepal

The IFCC YS Forum on May 26, 2024, was my very first experience attending a live session of an international conference. There was an electrifying and inspiring atmosphere of passionate young scientists from diverse backgrounds who shared groundbreaking ideas, fostering collaboration and innovation that promised to shape the future of laboratory medicine. I am delighted by the event and excited to attend more of such events soon.



Marilyn Masih

Govind Ballabh Pant Institute of Postgraduate Medical Education and Research – India

Attending the IFCC conference in Dubai was an unparalleled and enlightening experience for me. I sincerely thank the IFCC World Lab Congress and the IFCC young scientists-task force for their warm reception. The conference significantly boosted my confidence as I engaged with brilliant minds from around the globe, sharing my research with them. The "Poster Tour" organized by the IFCC Task Force YS, helped me gain knowledge and insights about the latest breakthroughs in my research field and was immensely motivating.



Nick Narinx

Department of Laboratory Medicine, UZ Leuven, Leuven -Belgium

Attending the Young Scientists meeting on the first day of WorldLab Dubai 2024 was a great pleasure. It allowed me to meet and interact with my peer group, share best practices, and discuss career development strategies in an engaging and supportive environment.



Eiman Mohammad Shahrou
Tishreen University, Lattakia - Syria

Being able to receive a Young Scientist travel grant and participate IFCC WorldLab 2024 as a delegate of young scientist for my country (SYRIA) was a prestigious opportunity for me. This motivates me to continue pursuing my passion for thinking outside the box especially which is related to diagnosing and treating diseases. It was really a fruitful experience on several levels.



Emeline GERNEZ
Lille University Hospital - France

Receiving the IFCC scholarship was an extraordinary opportunity that allowed me to participate in this prestigious congress. The IFCC WorldLab 2024 in Dubai was an incredibly enriching experience, both scientifically and personally. Attending this forum enabled me to update and expand my knowledge in laboratory medicine, gaining insights into current trends and challenges in the field. I had the honor of presenting my research and receiving constructive feedback from experts worldwide. The stimulating discussions and exchanges with other young scientists were immensely inspiring, reinforcing my motivation and commitment to scientific excellence.



Chala Bashea
Ethiopian Public Health Institute – Ethiopia

Receiving the IFCC scholarship was an extraordinary opportunity that allowed me to participate in this prestigious congress. The IFCC WorldLab 2024 in Dubai was an incredibly enriching experience, both scientifically and personally. Attending this forum enabled me to update and expand my knowledge in laboratory medicine, gaining insights into current trends and challenges in the field. I had the honor of presenting my research and receiving constructive feedback from experts worldwide. The stimulating discussions and exchanges with other young scientists were immensely inspiring, reinforcing my motivation and commitment to scientific excellence.



Janani Ramesh
ESIC Medical College and Hospital, Chennai-India

Attending the IFCC WorldLab 2024 was a truly unforgettable experience. It provided a platform to learn about the current advances in the field of Clinical Chemistry. The 3rd IFCC Young Scientists Forum on May 26th was particularly enriching. Collaborating and networking with young scientists from across the globe was inspiring. The “mentor-mentee” session during the forum gave us the opportunity to brainstorm various ideas regarding lab management and other issues faced by a budding laboratory physician. I also had the opportunity to interact with distinguished faculties from various parts of the world. Looking forward to taking part in more YS-TF activities.



Dipuo Dephney Motshwar
Cape Peninsula University of Technology - South Africa

I am immensely grateful to the African Federation of Clinical Chemistry (AFCC) for the travel sponsorship. A highlight was the IFCC Young Scientists Forum 3rd edition, where I had the opportunity to present my poster on fructosamine-3-kinase genetic polymorphisms and was awarded the best poster presentation certificate. The congress featured inspiring talks, including Professor Dennis Lo's lecture on cfDNA diagnostics, and covered crucial topics in laboratory medicine. Hosting the AFCC booth allowed for valuable networking, and exploring Dubai, with its impressive blend of modernity and heritage, was unforgettable. I am thankful for the professional and personal growth this experience provided.



Don M Matshazi
South Africa

Attending the IFCC WorldLab 2024 in Dubai was such a humbling experience for me on so many levels. To be exposed to the cutting-edge research being conducted around the world, meet people I have cited on some of my publications and have an opportunity to interact with young scientists and emerging researchers from all corners of the globe was the biggest highlight of my year. I want to express my sincere gratitude to the conference organising committee, the IFCC, and AFCC for the opportunity to showcase my research on the poster tour. It is encouraging to note the unwavering support for young scientists from industry, and the IFCC and its members/affiliates.



Lisa Tamang Ghising
B.P. Koirala Institute of Health Sciences - Nepal

As a recent MD Biochemistry graduate, I was immensely elated to participate in the magnificent IFCC Forum for Young Scientists. The forum offered an excellent opportunity to exchange ideas with brilliant young minds and meet exceptionally talented mentors and laboratory medicine professionals from all around the globe. I learned different cutting-edge research, innovations in the field and delighted to witness the active collaboration and integration of laboratory medicine by the enthusiastic Young Scientists Task Force. I express my profound gratitude to the IFCC for granting me with Travel Scholarship and enabling my debut at an international conference, for my professional development.



Attila  Szab
University of Debrecen - Hungary

Attending the 26 th International Congress of Clinical Chemistry and Laboratory Medicine and the 3 rd IFCC Young Scientist Forum was an unforgettable experience and a great opportunity to expand my knowledge, to share my results and ideas with many talented young researchers and to make lifelong friendships with young scientists from all over the world. Discussing on each other's poster presentations widened my interest and pointed on possible future collaborations. I am very thankful for the organisers to make this inspiring event come true.



Zeenath Thaneefa

North Colombo Teaching Hospital – Sri Lanka

In the IFCC WorldLab 2024, I had an enriching experience exploring the latest advancements in clinical chemistry and laboratory medicine. The diverse range of presentations and workshops provided valuable insights into cutting-edge research and technology. Networking with professionals from around the globe further enhanced my understanding and passion for this dynamic field, leaving me inspired and motivated to contribute more effectively to healthcare through laboratory sciences.



Asma LAKHDARI

Pierre and Marie Curie Center - Algeria

I had the privilege to participate in the Young Scientists Forum in Dubai, which centered on clinical chemistry and laboratory medicine. This event gathered researchers and students worldwide to explore cutting-edge advancements in these crucial fields of medical science. Presentations encompassed diverse topics, from biomarker analysis to innovative diagnostic technologies. This experience not only allowed me to engage with passionate scientists but also fostered insightful discussions that deepened my commitment to scientific inquiry. In summary, the Forum served as a valuable platform for learning and inspiration, significantly enriching my academic and professional journey in clinical chemistry and laboratory medicine.



Alex Maleti

Chinsali General Hospital -Zambia

Attending the IFCC YS Forum in Dubai was a remarkable experience that significantly enriched my understanding and perspective on laboratory science. It provided insights into the innovative research efforts by young talents addressing diverse challenges through evidence-based medicine. I intend to share these innovations and ideas with my peers in Zambia. The forum was inspiring and offered valuable networking opportunities, allowing me to interact with some of the most brilliant minds in the field.



Pavithra Samarakoon

Sri Lanka

As a medical professional working in a laboratory set up, and making physicians to understand the importance of laboratory medicine as a part of patient care, it was an important opportunity to see and experience the advancement of the laboratory medicine at the international level. Also to learn how this could be applied in our local set up for patients' benefit. And it was great to feel "belonged" in a world of laboratory sciences and young scientists with same enthusiasm.



Juliyatin Putri Utami
University of Lambung Mangkurat – Indonesia

Young Scientist Forum in Dubai was my second event. I found that every year YS-TF always brought up to date, rich and delightful issue about laboratory medicine to all young scientists. I am glad to be part of this event.



Simbarashe N Mapurisa
Zimbabwe

The conference takeaway for me was the importance of networking and prioritizing continuous professional development to meet global standards. Attending the World Lab conference was both an achievement and a wake-up call as it highlighted the need for improvement. I have embraced this new challenge and am committed to enhancing my skills, inspired by the excellence displayed by young scientists from diverse countries. This experience has transformed my perspective on my work, and I now recognize the vital role researchers play in driving progress in our labs and our country. I hope I will inspire young scientists in our country so that future international conferences will have more representatives from Zimbabwe.



Menaka Balasooriya
Sri Lanka

Participating in the IFCC YS Forum was instrumental in updating and expanding my knowledge of laboratory medicine, providing me with a comprehensive understanding of current trends and challenges in the field. Additionally, I had the opportunity to present my research and receive valuable constructive feedback. This experience was a remarkable platform to share my work from Sri Lanka with researchers worldwide. The connections I made with researchers who share similar interests will foster future collaborations, explore new avenues, and potentially inspire innovative projects aimed at enhancing lab testing.



Roula Shakkour
Damascus University, Damascus – Syria

Attending the IFCC Young Scientists Forum on 26 May in Dubai was an honour. I had the chance to meet esteemed colleagues from all around the world, gain insights into their latest research work, share thoughts and make new friendships. I also got the chance to recognize other programmes offered by the IFCC such as IFCC Professional exchange programmes. It was an extraordinary experience that enriched me on scientific and humanitarian levels.



Contribute to IFCC eNews

Tips for Success when Applying for Global Recognition Through the UNIVANTS of Healthcare Excellence award program



The UNIVANTS of Healthcare Excellence award program is a global, prestigious award program that, through 8 prestigious program partners, including Abbott, International Federation of Clinical Chemistry (IFCC), Association for Diagnostics and Laboratory Medicine (ADLM), Modern Healthcare, National Association for Healthcare Quality (NAHQ), European Health Management Association (EHMA), Institute of Health Economics (IHE), Healthcare Information and Management Systems Society (HIMSS), seeks to recognize, amplify, and celebrate best practices in healthcare that are facilitated by laboratory medicine.

Laboratory medicine is essential to health care and a strategic asset for maximizing value and improving healthcare delivery. The opportunity to showcase and celebrate cross-disciplinary achievements associated with measurable differences in health care is unique, rewarding, and elevating for laboratory medicine.

On August 1st, 2024, the UNIVANTS of Healthcare Excellence award program opens the 2025 application process, enabling online submissions through until November 15th, 2024 via the [UNIVANTS](https://www.univants.com) website. For those looking for recommendations on how to maximize your potential application, see below for relevant tips and best practices associated with applications for the UNIVANTS of Healthcare Excellence award program.

Tip 1: Closely review eligibility criteria and program requirements.

Ensuring program eligibility is a crucial first step when applying to UNIVANTS. Eligibility criteria and requirements are available at [www.UnivantsHCE.com](https://www.univants.com). The website offers links to a reference guide and multiple tools that help support the application process, with additional insights, tips and how-to's for highlighting the value of your work through UNIVANTS.

Tip 2. Proofread all content for clarity, legibility, and completeness.

Ensuring that all aspects of your application are clear, legible and complete is a simple and easy way to ensure that your clinical care initiative and associated outcomes are more readily understood. The terminology used within the application should be easy to understand and globally relevant. As such, be sure to define all acronyms and avoid short-hand or local terms that might not be universally understood.

Tip 3. Learn from other best practices.

The UNIVANTS website proudly highlights [example best practices](#) from years prior who have been recognized by the UNIVANTS of Healthcare Excellence awards. Learning from previous examples, where teams have successfully achieved measurably better healthcare with global recognition through the UNIVANTS of Healthcare Excellence award program. Also note that the existing best practices can serve as templates for not only excellent metrics, but as ideation for best practices themselves. The UNIVANTS of Healthcare Excellence program welcomes repeat themes across sites and geographies, rewarding measurably change over novelty.

Tip 4. Ask for help when needed.

The UNIVANTS of Healthcare Excellence awards is a team award. Involving and utilizing the expertise of each team member when creating the application is important for optimizing ideas and highlighting the impact of the best practice being submitted for recognition. The UNIVANTS of Healthcare Excellence Program also has a dedicated email to support questions about the award process UNIVANTSofHealthcareExcellence@abbott.com.

Tip 5. Submit at least 2 weeks before the deadline

In advance of judge review, an administrative team reviews all applications for minimum award requirements. Applications submitted at least 2 weeks in advance of the program deadline (i.e., by November 1st) are often given the opportunity to resolve gap(s) and/or provide additional clarity, if needed. Thus, by submitting applications early, applicants have additional opportunities to ensure a favorable outcome upon judge assessment.

If you and/or your integrated clinical care team want to learn more and/or apply for this prestigious awards, now is the time to start! Start thinking through your abstract and begin summarizing and collecting metrics/KPIs. And visit the [UNIVANTS website](#) for best practice examples and [guidance documents and checklists](#) to maximize your application and chances of top recognition.



ARE YOU THE NEXT **WINNER?** APPLY NOW



UNIVANTS[™]
OF HEALTHCARE EXCELLENCE

The **UNIVANTS** of Healthcare Excellence Award recognizes teams who collaborate across disciplines and transform healthcare delivery, and ultimately patient lives.

Does this sounds like you and your team? If so, we want to hear from you. To learn more and apply now through November 15 visit **UnivantsHCE.com**.



IN PARTNERSHIP WITH



News from Regional Federations and Member Societies

Painting the Path: Exploring AI in Healthcare through Art

Written by **Lena Jafri** and **Dr. Shanzay Rehman**, Section of Chemical Pathology, Department of Pathology and Laboratory Medicine, Karachi Pakistan

AI is transforming medical education, prompting the development of new capabilities for healthcare workers. The section of Chemical Pathology at Aga Khan University Pakistan, organized a multidisciplinary workshop on 26th April focusing on the integration of AI in healthcare practice. Our goal was to bring together medical professionals from various fields of healthcare and medical education to gather their insights on incorporating AI into healthcare.

The primary objective of this workshop was to formulate an action plan to integrate AI in healthcare taking into account human emotions and smart change management strategies. Professionals from various departments at Aga Khan University Hospital, including Pathology and Laboratory Medicine, Solutions & Innovation, Infection Prevention and Hospital Epidemiology (DIPHE), School of Nursing, Postgraduate Medical Education, Biological and Biomedical Science, Medicine, Surgery, and the Dean's Office, were invited to attend our workshop on AI in healthcare. However, we took on this issue from a unique perspective, emphasizing that, despite technological progress, the power of the human imagination and mind remains irreplaceable by allowing participant's to express their thoughts on AI through painting on canvas. Incorporating Art into our workshop on AI allowed us to explore the emotional and cognitive dimensions on this complex topic. Art is a powerful medium of expression and through this workshop we tried creating a safe and inclusive space for all.

The participants were given canvases and paints and were invited to express their opinions on healthcare and AI. This exercise promoted a creative environment by allowing participants to openly share their ideas. We saw a wide range of interpretations: some emphasized the good synergy between AI and human efforts depicting colorful views of how AI may improve healthcare service. While others used black clouds and chaos to represent uneasiness and doubt, representing anxieties about the unknown. Some participants also painted visual narratives of lab settings showing the multilayered relationship between big data technology and patient safety. Furthermore, several participants raised worries about AI's impact on human cognition and emphasized the value of the human mind and how no technology will ever be able to replace it.

Overall, the workshop provided a platform for insightful discussions and artistic expressions, offering valuable perspectives on the complex relationship between AI and healthcare. This workshop on incorporating AI into clinical practice through art offered various benefits. By bringing together healthcare professionals, it promoted interdisciplinary collaboration and enriched talks with different mind sets. By the end of the workshop we were able to achieve our primary outcome which was outlining an action plan, on integrating AI in to Academic Medical Centre.

Painting the Path: Exploring AI in Healthcare through Art



Participants of the workshop holding their paintings



Small group discussions among the participants while reviewing the action plan



Finished Paintings of the participants on incorporation of AI into healthcare

News from Japan Society of Clinical Chemistry (JSCC)

2023 Technology Award

by **Hideo Sakamoto**, Ph.D. International Exchange Committee of JSCC

The Japan Society of Clinical Chemistry (JSCC) Technology Award is given to a person who has made outstanding technological developments in clinical chemistry. In 2023, Jun Takagi, PhD was the winner of the Technology Award. The award presentation was held at the 63rd Annual Meeting of JSCC in Tokyo, Japan from October 27 to 29, 2023. At the award presentation, the award winner was congratulated by Dr. Takashi Miida, president of JSCC, for his outstanding technology development in clinical chemistry. In this issue, we would like to introduce the winner of the Technology Award and distribute information about his outstanding work.

Jun Takagi, PhD (Research and Development Division, FUJIREBIO INC.) is the winner of the 2023 JSCC Technology Award, entitled with “Development of a fully automated immunoassay for prostaglandin E-major urinary metabolite (PGE-MUM)”.

He and his colleagues have developed a new biomarker that reflects the activity of ulcerative colitis. As the disease is inflammatory, prostaglandin E2, a mediator involved in the promotion and inhibition of inflammation, has been proposed as a candidate biomarker. However, there is a challenge that this substance is rapidly metabolized in the blood, making it difficult to measure. Therefore, they focused on the major metabolite of prostaglandin E2 in urine (PGE-MUM) and developed a reagent called “Lumipulse Presto PGE-MUM” that can accurately measure it automatically in about 30 minutes. PGE-MUM is a very stable substance compared to prostaglandin E2. Also, with this reagent, it is possible to measure not only PGE-MUM but also the dehydrated product of PGE-MUM, that is generated over time in urine, by alkaline pretreatment of urine samples.

As urine samples used for measurement can be collected non-invasively and easily, even in hospitals, they hope to reduce the physical and psychological burden of the ulcerative colitis patients, who require long-term maintenance treatment.



Jun Takagi, PhD, winner of the JSCC Technology Award 2023.

26th IFCC-EFLM
EUROMEDLAB CONGRESS OF
CLINICAL CHEMISTRY
AND LABORATORY MEDICINE

49th ANNUAL MEETING
OF THE ROYAL BELGIAN SOCIETY
OF LABORATORY MEDICINE

FROM **18** TO **22**
MAY **2025**

VENUE

Brussels Expo



EUROMEDLAB

BRUSSELS 2025

May 18-22, 2025



15 January 2025
15 March 2025

Deadline for poster abstract submission
Deadline for reduced registration fees

The Spanish Society of Laboratory Medicine (SEQCML) held the session "Exercise test using video games: growth hormone deficiency" on June 4, as part of its virtual training project SEQCML ACADEMY



Exercise tests using video games help stimulate growth hormone in children in a non-invasive and safe way

Clinical laboratory specialists presented an exercise test using video games as a non-invasive and risk-free test to stimulate growth hormone in children, in one of the Interhospital Sessions on June 4, "Exercise test through video game use: growth hormone deficiency", organized by the Residents and Young Scientists Commission of the Spanish Society of Laboratory Medicine (SEQC^{ML}), as part of its virtual training project SEQC^{ML} ACADEMY.

Growth hormone (GH) deficiency is a medical condition in which the body does not produce enough of this hormone. This hormone, produced by the pituitary gland in the brain, is crucial for normal development in children and adolescents. It is suspected when a child has significantly slower growth, or shorter stature, than the average for his or her age.

The Clinical Laboratory specialist is essential for the diagnosis and effective monitoring of the treatment for GH deficiency, working in close collaboration with other health professionals to ensure the best result for the patient. This was highlighted by Dr. Marta Fabre Estremera, physician at the Lozano Blesa University Clinical Hospital, Zaragoza, member of the SEQCML and in charge of leading the session. As she noted, it is in the laboratory where "the determinations associated with diagnostic tests are carried out, both growth hormone stimulation tests and baseline blood tests."

In addition, a complete initial analysis is performed in the laboratory to rule out other possible causes of short stature (celiac disease, hypothyroidism, Cushing's syndrome...). "Once the deficiency is diagnosed, their work continues with monitoring the treatment, studying whether the blood levels of the different hormones are in the desired ranges in line with the levels prescribed by pediatric endocrinologists," according to Dr. Marta Fabre Estremera.

The expert explained that there are different functional growth hormone stimulation tests which all have in common the administration of a stimulus, "whether physiological such as sleep or exercise, or pharmacological such as clonidine or glucagon, and subsequent determination of growth hormone in blood to evaluate the body's response to the stimulus."

Physical tests for 20 minutes

The exercise test using video games is a growth hormone stimulation test. According to Eva Martínez Marzo, who acted as a speaker at the session, the test consists of "performing physical tests through a video game, for 20 minutes, monitored throughout the test via heart rate." Before

starting the test, a blood determination of basal growth hormone is carried out, then the exercise test is carried out using video games and at the end blood is drawn again to quantify GH. “It is considered an appropriate response if there is stimulation of hormone secretion.”

In the words of Dr. Marta Fabre Estremera, physical exercise in childhood stimulates the production of GH through the direct activation of the pituitary gland and the increase of metabolic factors, such as adrenaline. In growth hormone stimulation tests through video games, “we take advantage of this natural stimulation, so that children perform a fun and non-invasive test, which allows us to study the organic response to this stimulus.”

The fundamental benefits of this test, compared to the rest of functional stimulation tests, lie in the fact that, as Dr. Eva Martínez Marzo noted, it is a non-invasive, rapid and risk-free method for children: “Other stimulation tests are carried out by taking drugs, which may have side effects such as hypotension or hypoglycemia. In addition, it is easy to execute and the children are entertained, motivated, and stress-free during the test.”

Likewise, both experts insisted that the implementation of video games in exercise tests has allowed the protocols to be standardized. Traditionally, “an exercise test was carried out that consisted of performing various physical tests for 20 minutes with the limitation of a lack of standardization of protocols and lack of adequate response in the patient, obtaining a large number of false responses.” On the other hand, the use of this interactive medium allows the heart rate to be monitored throughout the test, in such a way that it is considered valid if 75% of the maximum heart rate is achieved, aiming for high-intensity exercise. “The exercise protocol through the use of video games has an adequate intensity and duration to produce a sufficient GH stimulus.”

Finally, both specialists defended that an exercise test using video games is a valid technique as a screening tool for the study of growth hormone deficiency; at the same time they insisted on the importance of a “multidisciplinary approach among the different services involved in the study of the axis of growth.”

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

www.seqc.es



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



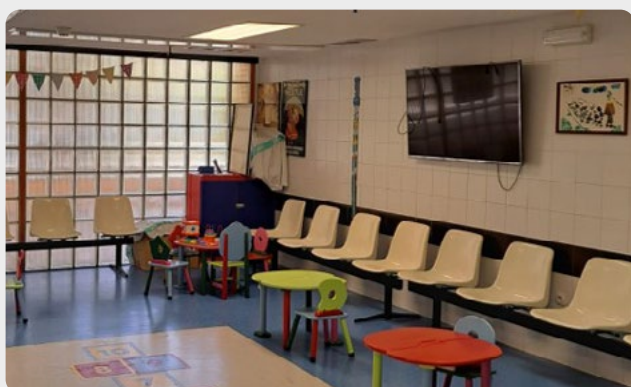
[Residentes del Laboratorio Clínico - SEQC](https://www.facebook.com/SEQC_ML)



<https://www.linkedin.com/company/seqc-ml/> SEQC-MLSEQC-MLSEQC-ML



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



Pediatric room

The 15th Conference of the Romanian Association of Laboratory Medicine Eforie Nord, 15–17 May 2024

By **Dr. Daniela Jitaru**, RALM President

The 14th National Conference with international participation of the Romanian Association of Laboratory Medicine (RALM), organized under the auspices of IFCC and EFLM and in collaboration with the Romanian Society of Microbiology, the Romanian Society of Hematology and the Universities of Medicine and Pharmacy of Bucharest, Târgu Mures, Cluj Napoca, Iași, and Timișoara, took place on 15-17 May 2024 in Eforie Nord, Constanța.

The event took place over 3 days in the Europa Nord hotel which hosted the conference attended by 550 participants including doctors, biologists, chemists and scientists working in medical laboratories.

The scientific program comprised 7 sessions of plenary reports (26) and brief oral communications (31), and 2 poster sessions at which a total number of 35 electronic posters were presented. Thus, this program provided an excellent opportunity for participants to learn, be trained and find concrete answers for different situations encountered in everyday practice.

The posters and the slides for the oral presentations were written in English and conference abstracts were published in a supplement of Romanian Journal of Laboratory Medicine, a journal indexed in the ISI Web of Knowledge - Web of Science - Science Citation Index Expanded (Clarivate analytics) since 2008. Topics of interest in clinical chemistry, hematology, immunology, microbiology, molecular biology, laboratory management and quality control, respectively professional guidelines were addressed during the various sessions. Among them, we mention: Green LABS - Sustainable transition within the medical laboratories, Laboratory quality management/ proficiency testing, tumor markers, advanced methods in hemato-oncology, biomarkers in cardiovascular diseases, advances in transplant immunology, microbiology.

The participants had the opportunity to ask questions and make comments after presentations, and also to share their experience in a particular field.

Six speakers from abroad were invited to give their lecture at the congress:

1. Prof. Dr. Tomris Ozben - IFCC PRESIDENT, EFLM Executive Board Representative
2. Prof. Dr. Bernd Kaina - Institute of Toxicology, University Medical Center, Mainz, Germany
3. Prof. Dr. Sanja Stankovic - Center for Medical Biochemistry University Clinical Center of Serbia, Belgrade, and Department of Biochemistry, Faculty of Medical Sciences, University of Kragujevac, Serbia
4. Prof. Dr. Tommaso Trenti - OCSAE, Azienda USL of Modena, Modena, Italy
5. Prof. Dr. Manuela G. Neuman - In Vitro Drug Safety and Biotechnology and Department of Pharmacology and Toxicology, University of Toronto, Ontario, Canada
6. Dr. Carlos Garces - Medical Director of Bioclinic Laboratory in the city of Iquique, President, Medical Society of Clinical, Laboratory of Chile

Also, 50 invited speakers from Romanian academic institutions significantly contributed to the scientific program of the congress (some pictures are presented in Appendix 1 to this report).

As RALM manifests a strong interest in encouraging and motivating young laboratory professionals, many communications and posters were presented by young colleagues, most of them PhD fellows. During the conference a large exhibition of equipment, reagents, supplies, software was held, being involved 24 IVD companies. In addition, diagnostic industry organized 12 workshops that introduced new technologies and clinical assays.

15th Conference of the Romanian Association of Laboratory Medicine in Eforie Nord, 15-17 May 2024

After the closing ceremony, the general assembly of RAML took place where the president awarded the Marcela Zamfirescu Gheorghiu Prize for the best poster, and announced the winner of the 2024 scientific research grants competition.

The scientific quality and variety of topics included in the program, as well as the level of organization of the conference, led to a successful scientific and professional event.



Prof. Dr. Minodora Dobreanu vicepresident of Romanian Association of Laboratory Medicine (RALM) (right part), Prof. Dr. Tomris Ozben - IFCC PRESIDENT, EFLM Executive Board Representative, Dr. Daniela Jitaru president of Romanian Association of Laboratory Medicine (RALM) (left part)



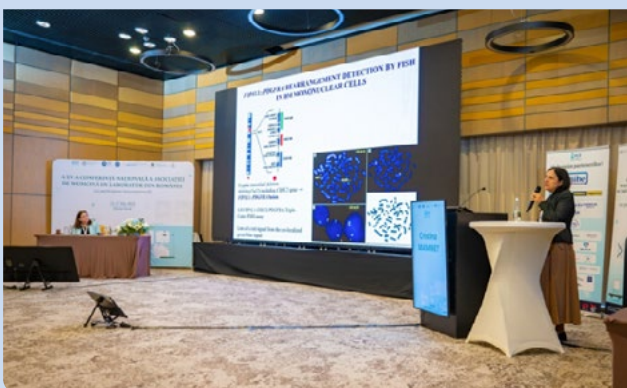
Prof. Dr. Tomris Ozben - IFCC PRESIDENT, EFLM Executive Board Representative, Prof. Dr. Minodora Dobreanu vicepresident of Romanian Association of Laboratory Medicine (RALM),



Prof. Dr. Tommaso Trenti - OCSAE, Azienda USL of Modena, Modena, Italy



Picture from the first day of the conference



Assoc. Prof. Dr. Cristina Mambet past president of Romanian Association of Laboratory Medicine (RALM)



Picture from the exhibition made during the conference



Picture from the exhibition made during the conference

News from the Turkish Biochemical Society (TBS)

By **Aylin Sepici Dinçel**, Executive Board Member of TBS

The Turkish Biochemical Society (TBS) celebrated the 100th Anniversary of the Turkish Republic with a number of scientific and social activities during the 2023 International Biochemistry Congress and 34th National Biochemistry Congress, which was held in the historic district of Fethiye/Muğla between 29 October – 1 November 2023 at Fethiye Liberty Lykia Congress Center. The meeting was organized by TBS under the auspices of EFLM, IFCC, FEBS, and TUBITAK, along with contributions from 38 well-known IVD companies. More than 650 participants attended, and nearly 200 of them were students in their postgraduate education. More than 100 academicians from Turkey and abroad in Clinical and Basic Biochemistry participated in keynote speeches, symposia, and panels in a rich scientific sharing and discussion environment during the 27 sessions, 12 panels, seven conferences, and seven satellite symposia.

We were all very pleased with the scientific quality and the diversity of the presentations, the lively scientific interactions and networking, as well as the appealing social program beginning with the opening speech by Prof. Doğan Yücel titled “What is the Republic?” on the 100th Anniversary of our Republic. Then, on behalf of the EFLM Board Members, Prof. Tomris Özben (IFCC president-current) greeted the audience. The opening lecture was the IUBMB Plenary Lecture presented by Prof. Gökhan Hotamışlıgil from Harvard University entitled “The Critical Role of Intracellular Molecular Architecture in the Programming of Metabolic Function.” Then, the 100th Anniversary Celebrations of our Republic were held with enthusiasm.

While there are many conferences on clinical laboratory, medicine, and biochemical research, this three-and-a-half-day meeting was unique because it engages renowned experts from different continents in a comfortable, familiar forum. The congress provided an excellent opportunity for delegates to interact closely with the faculty, consult, exchange views, and build up new collaborations and networking. The congress topics were explicitly chosen to interest practicing clinicians and researchers. One hundred ninety-nine oral presentations and 105 posters with onside discussions were presented. On the first day, there were four courses: the Drug Analysis Course, Computer Applied Basic Statistics Course for Beginners, Electrophoresis, and Clinical Laboratory Course in Monoclonal Gammopathies and Machine Learning. The machine learning course was internationally certificated. The mentoring program was implemented throughout the congress, ensuring that students benefited from scientific activities at the highest level.

Prof. Mario Plebani from the University of Padova, Italy, gave two keynote lectures. One was “Integrated Diagnostics: The Future of Laboratory Medicine,” and the next was entitled “Harmonizing the Post-Analytical Phase.” One of the keynote lectures was the FEBS National Lecture presented by Prof. Konrad Sandhoff, who talked about his journey into the field of sphingolipids and sphingolipidosis. Prof. Giuseppe Lippi also gave a keynote lecture on “Secrets and Mysteries in the Preanalytical Phase.” IFCC Visiting Lecturer Programmed speaker was Prof. Qing Meng from the University of Texas. He discussed “Current Advances in Clinical Application of Tumor Biomarkers: Utility, Challenge and Perspectives” as a keynote lecture. Besides Prof Meng talked about “Career Development for Young Scientists in Clinical Biochemistry and Laboratory Medicine” during the Young Investigators Roadmap Forum 2, together with Prof. Kristin Moberg Aakre, whose lecture entitled “Establish Your Own Research- A Road Map for Young Researchers” and Prof. Ferhan Girgin Sağın explained what FEBS offers to young scientists. Apart from that, the first forum was about the Residency Training in Türkiye. The forums were intense and shaped by good discussions. Congress had several panels included three topics of 25 minutes and Q&A, entitled The Biological Clock and Chronobiology Panel, New Therapeutic Approach to Pan-Cancer Treatment: Direct Telomer-Targeting Molecules and Immune Check Point Inhibitors, Updates to Clinical and Medical Laboratory Guidelines and International Standards, Integrative Approaches to Molecular Interactions and Drug Design, New Laboratory Techniques, Where are We Going in Diagnosis, Follow-up and Treatment?: Current and Near Future. All kept the audience’s attention even in the late afternoon. There were four satellite symposia with topics of Evaluation of Primary hemostasis in Patients with Bleeding

Diathesis, Standardization and Harmonization in Immunological Tests: Quality and Comparability Are Needed by Prof. Mario Plebani, Digital Transformation in the Clinical Laboratory: Reliable Sample Monitoring, Efficient Data Analysis, Improved TAT and Clinical Benefits by Dr. Oğuzhan Zengi and Said İncir, Tomorrow's Lab: Innovations & Trends by Fatih Küçükali and Ekrem Yıldırım from Siemens Healthineers, Dxl 9000 as a New Beckman Coulter's Approach to Immunochemistry by Marko Zarak from Dubrava University Hospital, Croatia,

At the Closing Ceremony, the Nazmi Özer Science Award, FEBS Open Bio Poster Award, TJB Innovation Award, and UBK Poster Award were given to their winners.

Traditionally, Ahmet Cingöz from Koç University KUTTAM, who received the Nazmi Özer Science Award the year before (2022), did his presentation titled "Creation of TRAIL-Resistant Cell Line Models Reveals the Adoption of Different Mechanisms of Acquired Resistance and Resensitization" after the award ceremony.

The success of this conference is a great motivation and challenge for the 2024 International Biochemistry Congress and 35th National Biochemistry Congress, which is going to be a joint congress with XXXI Meeting of Balkan Clinical Laboratory Federation (BCLF) in the charming city of Antalya, Side which is known as one of the major coinage centers founded by Alexander, at the Starlight Convention Center between 28th October – November 1, 2024 (<https://biyokimyakongresi.org/mainpage/index.html>). TBS has been a member of the Balkan Clinical Laboratory Federation since 1996. The last congress held by TBS was in 2019, and participants were from eighteen countries. This year, the congress is credited by EFLM, and participants will earn CPECS@credits, the first in Türkiye as a medical biochemistry congress. TBS will offer grants to young investigators, and all abstracts will be published as a supplement to the Turkish Journal of Biochemistry, which is listed in the Science Citation Index-Expanded. We hope to get together again with our colleagues in October 2024.





XXXI Meeting of Balkan Clinical Laboratory Federation

TBS International Biochemistry Congress 2024

35th National Biochemistry Congress

28 October - 1 November 2024

Starlight Convention Center Side-Antalya, Türkiye



www.bclf2024.org

New IFCC Members

IFCC WELCOMES THREE NEW CORPORATE MEMBERS

Zybio Inc. is a high-tech enterprise specialized in R&D, manufacture, sales and technical services of in vitro diagnostic reagents and equipment, with the headquarter and manufacturing center located in Chongqing, China. Since its founding in 2008, Zybio has gradually developed 9 technology lines, 2 lab management system and 1 set of lean lab solution.

Zybio is devoted to the development of cutting-edge technologies in the IVD field. To make R&D the core driving force in promoting the continuous and rapid development of the company, Zybio has established several R&D centers in China. The product lines include a wide range of reliable diagnostic instruments & reagents for Clinical Chemistry, CLIA, POCT, Coagulation, Urinalysis, Hematology, Microbiology, Mass Spectrometry, Molecular, etc. Zybio is also involved in the development of biological raw materials and key components for instruments, and owns key technologies related to genetic engineering antigens/antibodies, diagnostic nanomaterials, multiple-lab signal amplification, and rapid nucleic acid extraction and detection. Zybio's products, solutions and services have been widely applied in over 20,000 healthcare facilities in over 100 countries. Zybio gradually set up subsidiaries in Dutch, Singapore, Brazil, Mexico, Indonesia, Thailand, Philippines, etc.

Adhering to the mission of "Accurate Diagnostics, Healthier Lifestyle", Zybio will contribute to the global health with precise, comprehensive and beneficial IVD solutions based on clinical needs and make them helpful in clinical applications.

For more information: <https://www.zybio.com>



Guangzhou Wondfo Biotech Co., Ltd. founded in 1992 and headquartered in Guangzhou science city, Wondfo focuses on the R&D, manufacturing, sales and service of IVD industry, providing professional rapid diagnosis and chronic disease management solutions.

Wondfo has 9 technology platforms. Our rapid diagnostic devices and reagents span a wide spectrum, including cardiovascular diseases, diabetes, renal functions, respiratory issues, fertility, DOA, infections, tumors, etc. We provide services to over 150 countries and regions.

In 2015, Wondfo was listed on the Shenzhen Stock Exchange, becoming the first public company in POCT in China.

For more information: <https://en.wondfo.com/>

DIRUI

Dirui Industrial Co., Ltd. (hereinafter referred to as “DIRUI”, stock code: 300396), as a high-tech company held by China Resources Industrial Fund, was founded in Changchun, China in 1992. Today, DIRUI is one of the leading in vitro diagnostic companies in China held by state-owned enterprise.

Under the guidance of the company’s “14th Five-Year” Plan, DIRUI has set up three major operation centers in Beijing, Wuhan and Chengdu to achieve high levels of market responsiveness and service, and two R&D centers in Changchun and Shenzhen to accelerate the product and technology output by complementing the strengths of the north and the south. With a whole industry chain of R&D, production, marketing and service of high-quality in vitro diagnostic products, DIRUI’s R&D capabilities have always been at the forefront of the industry. DIRUI is one of the few companies in the industry that focuses on the development of both instruments and reagents.

DIRUI has been engaged in the IVD industry for more than 30 years with the adherence to the mission of “To Popularize Diagnostics and Benefit the Masses”. By specializing in eight product lines including urinalysis, clinical chemistry, immunoassay, gynecological secretion, hematology, coagulation, molecular diagnostics, and integrated laboratory, DIRUI is able to provide comprehensive product solutions and services for medical laboratories. DIRUI’s products have gained the trust of more than 14,000 medical institutions in China and users in more than 120 countries and regions around the world. All DIRUI people will strive for “Pioneering Excellence in the IVD Industry”, shoulder the era responsibility of national diagnostic autonomy, and show the world the charm of China’s smart manufacturing with excellent products.

IFCC's Calendar of Congresses, Conferences & Events

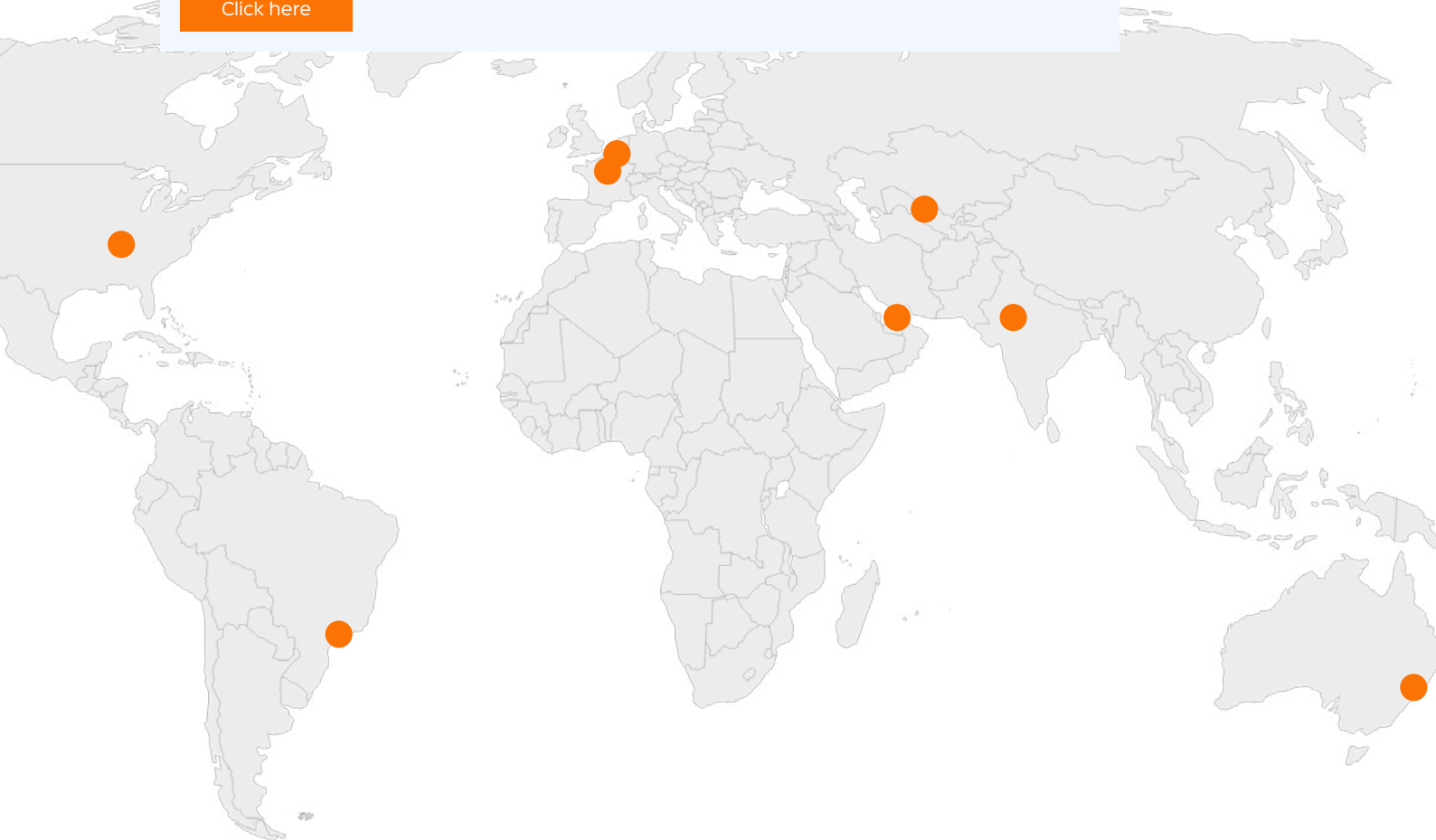
IFCC and Regional Federation Events			
Date		Title	Place
Oct 3 - 6, 2024		XXVI COLABIOCLI 2024	Cartagena, CO
Oct 31 - Nov 3, 2024		APFCB 2024 Sydney	Sidney, AU
May 18 - 22, 2025		XXVI IFCC-EFLM EUROMEDLAB 2025	Brussels, BE
Oct 25 - 30, 2026		XXVII IFCC WORLDLAB 2026	New Dehli, IN
Oct 10 - 13, 2027		APFCB 2027 KUALA LUMPUR	Kuala Lumpur, MY
Date to be selected		XXVII IFCC-EFLM EUROMEDLAB 2027	Venue to be selected
Date to be selected		XXVII IFCC WORLDLAB 2028	Venue to be selected
Date to be selected		XXVII IFCC-EFLM EUROMEDLAB 2029	Venue to be selected
Date to be selected		XXVII IFCC WORLDLAB 2030	Venue to be selected

Corporate Member Events with
IFCC Auspices

Date	Title	Place
Sep 14, 2024	Inter-QCTopics International seminars on Quality Control : Laboratory screening for infectious agents in blood services: methods and quality control	Quality consulting online event, BR
Nov 16, 2024	Inter-QCTopics International seminars on Quality Control: Patient blood management – what is the role of the laboratory according to ISO 15189?	Quality consulting online event, HR

Other events with
IFCC auspices

[Click here](#)





Advertise in IFCC eNews!

Showcase your products and initiatives to more than 51.000 laboratory medicine specialists throughout Europe, North America, Asia- Pacific, Middle East, Africa and Latin America: laboratory directors, clinical chemists, and other clinical laboratory specialists and technologists, leading manufacturers, distributors and dealers in the field.

- Ten issues per year
- Free-of-charge to readers
- Interactive digital edition

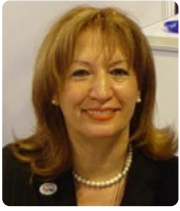
Published ten times a year:

No 1/2	January/February
No3	March
No 4	April
No5	May
No 6	June
No 7/8	July/August
No9	September
No 10	October
No 11	November
No 12	December

For prices, formats and any further information on how your company can gain unique access to international markets through advertising with IFCC, please email us at enews@ifcc.org.

IFCC Corporate Members receive a 25% discount on current prices.

IFCC Executive Board 2024 – 2026



Tomris OZBEN
President



Khosrow ADELI
Past-President



Sergio BERNARDINI
Secretary



Alexander HALIASSOS
Treasurer



Tricia RAVALICO
Corporate Representative

Regional Representatives



R. ERASMUS
African Federation of Clinical Chemistry (AFCC)



O. NAJJAR
Arab Federation of Clinical Biology (AFCB)



T. BADRICK
Asia-Pacific Fed for Clin Biochem and Lab Med (APFCB)



M. PLEBANI
European Fed of Clin Chem and Lab Medicine (EFLM)



E. FREGGIARO
Latin-American Confederation of Clin Biochemistry (COLABIOCLI)



D. GRENACHE
North American Fed of Clin Chem and Lab Med (NAFCC)

IFCC Divisions and C-CC Chairs



C. COBBAERT (NL)
Scientific Division Chair



N. RIFAI (US)
Education and Management Division Chair



T. PILLAY (ZA)
Communications and Publications Division Chair



D. GRUSON (BE)
Emerging Technologies Division Chair



P. LAITINEN (FI)
Congresses and Conferences Committee Chair

IFCC Office Staff



(L-R) Elisa Fossati, Paola Bramati, Silvia Colli Lanzi, Silvia Cardinale, Smeralda Skenderaj

IFCC Membership

Full members

Albania (AL)	Latvia (LV)
Algeria (DZ)	Lebanon (LB)
Argentina (AR)	Libya (LY)
Armenia (AM)	Lithuania (LT)
Australasia and New Zealand (AU/NZ)	Luxembourg (LU)
Austria (AT)	Malawi (MW)
Azerbaijan (AZ)	Malaysia (MY)
Belgium (BE)	Mexico (MX)
Bolivia (BO)	Montenegro (ME)
Bosnia Herzegovina (BA)	Morocco (MA)
Brazil (BR)	Myanmar (MM)
Bulgaria (BG)	Nepal (NP)
Canada (CA)	Netherlands (NL)
Chile (CL)	Nigeria (NG)
China Beijing (CN)	North Macedonia (MK)
China Taipei (TW)	Norway (NO)
Colombia (CO)	Pakistan (PK)
Croatia (HR)	Palestine (PS)
Cuba (CU)	Panama (PA)
Cyprus (CY)	Paraguay (PY)
Czech Republic (CZ)	Peru (PE)
Denmark (DK)	Philippines (PH)
Dominican Rep (DO)	Poland (PL)
Ecuador (EC)	Portugal (PT)
Egypt (EG)	Romania (RO)
Estonia (EE)	Russia (RU)
Ethiopia (ET)	Saudi Arabia (SA)
Finland (FI)	Serbia (SRB)
France (FR)	Singapore (SG)
Georgia (GE)	Slovak Republic (SK)
Germany (DE)	Slovenia (SI)
Greece (GR)	South Africa (ZA)
Guatemala (GT)	Spain (ES)
Hong Kong (HK)	Sri Lanka (LK)
Hungary (HU)	Sudan (SD)
Iceland (IS)	Sweden (SW)
India (IN)	Switzerland (CH)
Indonesia (ID)	Syrian Arab Republic (SY)
Iran (IR)	Thailand (TH)
Iraq (IQ)	Tunisia (TN)
Ireland (IE)	Türkiye (TR)
Israel (IL)	Ukraine (UA)
Italy (IT)	United Arab Emirates (UAE)
Japan (JP)	United Kingdom (UK)
Jordan (JO)	United States (US)
Kazakhstan (KZ)	Uruguay (UY)
Kenya (KE)	Vietnam (VN)
Korea (KR)	Zambia (ZM)
Kosovo (XK)	Zimbabwe (ZW)

Regional Federations

- Arab Federation of Clinical Biology (AFCB)
- 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)



Corporate members

Abbott Laboratories	Technologies Co. Ltd.
Agappe Diagnostics Ltd	Labor Team W Ag
Arkray Inc.	Labor Dr. Wisplinghoff
Asahi Kasei Pharma Corp.	Lumiradx Uk Ltd.
Asesores de Calidad para Laboratorios	Maccura Biotechnology Co., Ltd.
Autobio Diagnostics Co. Ltd.	Medicsystem Biotechnology Co., Ltd.
Beckman Coulter, Inc.	Medix Biochemica
Becton Dickinson	Menarini Diagnostics
Bio Rad Laboratories	Mindray
Biomasterclin Laboratorios	Nittobo Medical Co. Ltd.
Venezuela	Oneworld Accuracy
Brooks Automation Italy Srl	PerkinElmer
Controllab	Phc Europe B.V.
C.P.M. Compagnia Per La Medicina® Srl	Quality Academics, S.C.
Diagnostica Stago	Quidelortho
Diasorin Spa	Radiometer Medical Aps
DiaSys Diagnostic Systems	Randox Laboratories Ltd.
DIRUI	Roche Diagnostics GmbH
Gmbh	Sansure Biotech Inc
Guangzhou Wondfo Biotech Co., Ltd	Sebia S.A.
ET Healthcare Inc.	Sentinel Ch Spa
Fujifilm Wako Pure Chemical Corporation	Shanghai Kehua-Bioengineering Co., Ltd.
Fujirebio-Europe	Shenzhen Yhlo Biotech
Gentian As	Siemens Healthcare
Greiner Bio-One	Diagnostics
Helena Biosciencias Europe	Snibe Co., Ltd
Hemas Hospital Pvt	Synlab International GmbH
Hytect Ltd.	Sysmex Europe GmbH
I-Sens, Inc.	Technogenetics
Immunodiagnostic Systems	The Binding Site Group Ltd.
IDS	Thermo Fisher Scientific
Instrumentation Laboratory	Tosoh Corporation
Jiangsu Bioperfectus	United Robotics Group GmbH
	Zybio

Affiliate Members

Botswana: Institute of Clinical Laboratory Professionals
 Brazil: Sociedade Brasileira de Patologia Clínica / Medicina Laboratorial (SBPC/ML)
 China: Lab Medicine Committee, China Association of Medical Equipment (LMC)
 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)
 Iran: Iranian Association of Clinical Laboratory Doctors (IACLD)
 Jordan: Society for Medical Technology & Laboratories (SMTL)
 Kazakhstan: Public Association - Federation of Laboratory Medicine (FLM)
 Mexico: Federación Nacional de Químicos Clínicos (CONAQUIC A.C.)
 Mexico: Colegio Nacional de Químicos Clínicos en Medicina de Laboratorio (CONQUILAB)
 Mexico: Federación Nacional de Colegios Profesionales de la Química Clínica, A.C. (FENACQC)
 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)
 Spain: Asociación Española de Biopatología Médica - Medicina de Laboratorio (AEBM-ML)
 Spain: Asociación Española de Farmacéuticos Analistas (AEFA)
 Sri Lanka: College of Chemical Pathologists of Sri Lanka (CCPSL)
 Türkiye: 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

Katherina Psarra, MSc, PhD
Department of Immunology -
Histocompatibility Evangelismos Hospital,
Athens, Greece
E-mail: enews@ifcc.org

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: Katherina Psarra, Editor, IFCC
eNews

E-mail: enews@ifcc.org