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# 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](mailto:enews@ifcc.org)



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# The voice of IFCC

## Message from the new IFCC President – Prof. Tomris Ozben

April 2024  
By Tomris Ozben

### Dear Colleagues and Friends,

I am delighted to present an overview of the recent accomplishments and significant developments of our Federation, starting with the IFCC Executive Board meetings: these meetings are instrumental in shaping our strategic direction and ensuring the continued growth and success of our federation.

Our Executive Board convened in a hybrid format on February 14th, bringing together the Chairs of the four Divisions, the Congresses and Conferences Committee, and nine Task Forces. The agenda encompassed comprehensive discussions and reception of activity reports until December 2023. Noteworthy was a separate deliberation with the Task Force on Global Lab Quality to delineate future plans, reflecting our commitment to continuous improvement. Continuing our momentum, a pivotal meeting took place in Milan on February 15<sup>th</sup>. Deliberations centered on IFCC Strategic Action Plans for the term (2024-2026), with a focus on areas crucial for our collective advancement. This encompassed supporting membership, broadening horizons, enhancing the quality of laboratory medicine, and improving the effectiveness of IFCC operations. The IFCC Strategic Action Plans will be jointly developed by the IFCC Executive Board, IFCC Functional Units, IFCC Member Societies, Regional Federations and Corporate Members. The outcomes of these discussions will be finalized for presentation at the upcoming Council meeting, scheduled as a hybrid event on Sunday, May 26<sup>th</sup>, coinciding with the WorldLab Congress in Dubai.

A significant achievement during this period was the meticulous selection of scholarship recipients for the WorldLab Congress. With a remarkable number of applications received, our selection process adhered to stringent criteria to ensure fairness and meritocracy. The benefits provided to the recipients will empower them in their academic pursuits and professional endeavors, contributing to the advancement of clinical chemistry and laboratory medicine globally.

Preparations for the YS (Young Scientists) Forum and IFCC Global MedLab Week 2024 are well underway. These initiatives play a vital role in nurturing talent and fostering collaboration among young professionals in our field. From program definition to logistical arrangements to the launch of the official logo, these events will ensure a memorable impact that reflects the innovation of our organization. Additionally, discussions on the implementation of IFCC Professional Exchange Programmes (PEP) and budget considerations underscore our dedication to operational excellence and sustainability.

Similar to other important activities that already show our commitment towards our strategic objectives, we signed a Memorandum of Understanding (MoU) with the Fédération Internationale Francophone



Prof. Tomris Ozben  
EuSpLM, Ph.D.

de Biologie Clinique et de Médecine de Laboratoire (FIFBCML), underscoring our commitment for global collaboration.

Looking ahead, we are poised to strengthen our partnerships with the BIPM across various domains, including traceability in laboratory medicine and metrology standards. Furthermore, discussions on collaboration with the IUPAC and SNOMED for the development of healthcare terminology highlight our proactive attitude in enhancing industry standards and interoperability.

On a more personal note, I extend my heartfelt appreciation to the EMD-VLP Committee, its Chair Prof. Sedef Yenice, and Abbott for enabling my participation as a visiting lecturer at the 3<sup>rd</sup> Annual International Laboratory Quality and Accreditation FORUM. Hosted in collaboration with AFCC and the Egyptian Association of Healthcare Quality and Patient Safety, the Eglylabs FORUM was held in Cairo on February 28-29, 2024. I delivered the Opening Lecture on “Green laboratories: Implementing sustainable practices in medical laboratories,” emphasizing the vital role of laboratory medicine in public health, environment and sustainability. At the event, I chaired sessions and spoke on the importance of accreditation and quality assessments, fostering collaboration between IFCC and AFCC societies to elevate laboratory standards across Africa and to achieve minimum quality requirements in medical laboratories.

Before closing this message, once again I extend my invitation to you to join us at the 26<sup>th</sup> International Congress of Clinical Chemistry and Laboratory Medicine (ICCLM) - IFCC WorldLab Congress. This prestigious event will be held jointly with the 17<sup>th</sup> Congress of the Arab Federation of Clinical Biology (AFCB), the 10<sup>th</sup> Annual Meeting of the Saudi Society for Clinical Chemistry (SSCC), and the 8<sup>th</sup> International and UAE Genetic Disorders Conference in partnership with MZ Events, taking place at the Dubai World Trade Centre (WTC) from May 26-30, 2024. Additionally, the 3<sup>rd</sup> IFCC FORUM for Young Scientists is planned to precede the congress.

The IFCC WorldLab Congress serves as a global platform for the exchange of knowledge and expertise in clinical chemistry and laboratory medicine across academic, clinical, and industrial domains. It fosters interaction among clinical laboratory scientists and physicians worldwide, promoting advancements in human health. The Scientific Program Committee is dedicated to curating a multidisciplinary program covering fundamental concepts, advanced diagnostics, and emerging techniques in laboratory medicine. This program will feature plenary lectures, symposia on cutting-edge topics, oral presentations, posters, and educational workshops, providing ample opportunity for learning, discussion, and collaboration.

The In Vitro Diagnostic (IVD) Sector will host an extensive exhibition showcasing the latest technological innovations and practical solutions tailored to the needs of clinical laboratories. Additionally, high-level educational workshops led by esteemed speakers will cover various disciplines pertinent to laboratory medicine, further enriching the congress experience.

I eagerly anticipate the participation of IFCC members from across the globe, representing six IFCC Regional Federations, in this exciting WorldLab Congress hosted by the Arab Federation of Clinical Biology. I am confident that your attendance will be both rewarding and enriching, offering inspiring scientific sessions, engaging discussions, networking opportunities, and memorable social activities.

In closing, I extend my gratitude to the dedicated members of IFCC for their unwavering commitment and enthusiasm. Together, we continue to chart a course towards excellence in clinical chemistry and laboratory medicine, fostering innovation, collaboration, and impactful change on a global scale.

Prof Tomris Ozben

IFCC President



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Sample position: 300  
Reagent position: 50

## The new IFCC eAcademy website

We are pleased to announce the launch of the IFCC eAcademy website, offering a diverse array of educational resources for professionals in the field. With a wealth of over 70 webinars and 200 presentations curated by outstanding speakers across a wide range of scientific topics of scientific topics, the IFCC eAcademy provides an enriching learning experience for all.

Participants have the opportunity to deepen their knowledge through engaging webinars and gain exclusive certificates of participation upon completion. Additionally, the IFCC eAcademy features IFCC VLP lectures from the IFCC-Abbott Visiting Lecturer Programme (VLP), as well as Pearls, dedicated to the Spanish-speaking audience, and Podcasts filled with valuable insights from renowned experts in various fields of the Laboratory.

Furthermore, visitors can explore our dedicated author section to connect with the experts behind the content and learn from their vast expertise and accomplishments.

We invite you to join us on the IFCC eAcademy platform and embark on a journey of continuous learning and professional development.

Visit the eAcademy: <https://eacademy.ifcc.org/>

Register to the eAcademy (<https://eacademy.ifcc.org/registration/>) and benefit from all its educational opportunities.



## VLP Report

I would like to express my sincere gratitude to the EMD-VLP Committee and its Chair, Prof. Sedef Yenice and Abbott company for supporting my attendance as a visiting lecturer to the 3<sup>rd</sup> Annual International Laboratory Quality and Accreditation FORUM. Eglylabs FORUM was organized in collaboration with the African Federation of Clinical Chemistry (AFCC) and the Egyptian Association of Healthcare Quality and Patient Safety. It was held in Sofitel Hotel Congress Center Cairo Nile El Gezirah on February 28-29 2024. The title of the Eglylabs FORUM was “EXCELLENCE IN LABORATORY PRACTICE. THE FUTURE OF AFRICA”.

The Scientific Program started with Session One on February 28<sup>th</sup>. I delivered the Opening Lecture entitled “Green laboratories. Implementing sustainable practices in medical laboratories”. Pivotal role and impact of laboratory medicine in public health and patient care: Developing and disseminating supporting evidence.

Opening Lecture was followed by the Opening Ceremony. Prof. Rania El Sharkawy as the Congress Egyptian Chair, Prof. Rajiv Erasmus as the Congress Chair, Dr Mabel Charles-Davies as the AFCC President and I as the IFCC President welcomed the participants and addressed the importance of quality and accreditation in medical laboratories.

I was the Chairperson with Dr Nqobile Ndlovu and also Speaker at the joint Session VII with ASLM, IFCC, AFCC, AFCCB and Egyptian Society for Healthcare Quality. Prof. Rania El Sharkawy talked about Egyptian Society for Quality Improvement. Dr Mabel Charles-Davies talked about the Future of Accreditation in Africa. I presented a talk on accreditation, its importance, internal and external quality assessments/proficiency assurance in medical laboratories, IFCC educational courses/workshops to provide Good Laboratory Quality. I gave information about the work and activities of IFCC on quality, standardization, harmonization, traceability and accreditation. AFCC societies expressed their interest to work with IFCC to improve quality of medical laboratories, at least to achieve minimum quality requirements in medical laboratories in the whole Africa.

With my kind regards

Tomris Ozben



*Prof Ozben, IFCC President, during her speech at Eglylabs FORUM, organized in collaboration with the African Federation of Clinical Chemistry (AFCC) and the Egyptian Association of Healthcare Quality and Patient Safety.*

# Joint Symposium on Point-of-Care Testing by IFCC C-POCT and C-EBLM

By **Prof. Adil I. Khan**, Chair of the IFCC Committee on Point-of-Care Testing

Cairo, with its rich legacy as the cradle of scientific and intellectual achievements, hosted the 7<sup>th</sup> African Federation of Clinical Chemistry Regional Congress and 3rd EgyLabs Forum together with the International Federation of Clinical Chemistry and Laboratory Medicine. The IFCC Committees on Point-of-Care Testing and Evidence Based Laboratory Medicine collaborated to present a joint symposium that was very well received.

The opening speaker was Dr. Lena Jafri, corresponding member for Pakistan for the IFCC Committee on Point-of-Care Testing, and the POCT Director and Section Head of Chemical Pathology at Aga Khan University in Pakistan. Her talk was titled: *“Empowering Future Physicians: Integrating POCT into undergraduate curriculum.”* She shared how her POCT team has been instrumental in integrating POCT into the undergraduate medical curriculum at AKU Medical College. She initiated a POCT Bootcamp featuring case-based discussions and hands-on sign-off POCT sessions. This innovative approach ensures that students receive practical training and theoretical knowledge, preparing them to utilize POCT effectively in their future medical practice. She highlighted her team’s successes, including designing curricula for end users, training over 6000 POCT end-users, organizing national-level CPD activities, and advocating for POCT training and competency assessments. These achievements underscore the impact of their efforts in advancing POCT integration. Her talk sparked interactive discussions from the audience. The take home message of her talk was that the key to improving patient safety lies in effectively translating POCT education into clinical practice.

Next was Prof. Annalise Zemlin, Head of Chemical Pathology at the University of Stellenbosch, South Africa, and recent past Chair of IFCC Committee on Evidence Based Laboratory Medicine. She presented, *“Comparing laboratory and POCT HbA1c for the monitoring and diagnosis of diabetes - what is the evidence?”* Point-of-care testing (POCT) allows rapid and accessible reporting of test results for effective and immediate disease management. This is especially important in diabetes mellitus, the “silent epidemic” which is increasing globally at alarming rates, especially in regions such as Africa and Southeast Asia. HbA1c has a critical role in diabetes mellitus as a long-term indicator of glycaemic control and also as a diagnostic test. POCT allows for real-time analysis of HbA1c, enabling adjustments to treatment plans during patient consultation and improving diabetes management and compliance. Until recently, evidence for HbA1c POCT was insufficient and a laboratory test was recommended. However, with improved technology, evidence is supporting the use of HbA1c POCT and showing improved outcomes, leading to reduced healthcare costs and burden of disease. This talk presented the evidence for and against POCT HbA1c testing for personalized and real-time diabetes care. Take home points were: (1) POCT HbA1c testing allows immediate decision making and may improve glycaemic control leading to less complications (2) POCT HbA1c testing may be the only practical solution in rural settings and (3) Results will depend on maintenance, user training and participation in external quality assessment.

Prof. Adil Khan, Professor of Pathology and Medical Director for Point of Care Testing and Clinical Chemistry Laboratories at Temple University Health System in Philadelphia, USA. He is also the Chair of the IFCC Committee on Point-of-Care Testing. His talk was on, *“Leveraging artificial intelligence in point-of-care testing.”* With the projected increase in global population, the current models of healthcare delivery will be under severe challenges. Rural and remote areas, whether in developed or developing countries pose the same challenges: unavailability of hospitals, lack of trained, skilled staff performing tests, and poor compliance with quality assurance protocols. Point-of-care testing with artificial intelligence is poised to be able to address these challenges. This talk discussed using some key examples (lateral flow immunoassays, bright field microscopy, and hematology) giving some important highlights in this very rapidly increasing area of laboratory medicine. Take home points

were, (1) AI with POCT makes a powerful tool that can bridge the disparity gap in healthcare (2) It can ensure reliable results are being provided at the point-of-care, and (3) It can empower communities to manage their diseases in their rural settings in a timely manner.

Dr. Sohini Sengupta, who is the Medical Laboratory Director & HOD (Clinical Chemistry & Special Assays), at Redcliffe Labs, India and the IFCC member of the Committee on Point-of-Care testing. Her talk was titled, *“The changing paradigm in Quality Assurance in ABG: What’s new?”* The quality management process for blood gas instruments is vital due to the importance of reliable results as a result of their use in managing critically ill patients either in the operating rooms or critical care inpatient /outpatient areas. her take home points were (1) Quality Assurance in all phases of ABG testing is important to avoid errors at medical decision levels, (2) Adopting new-age technologies in ABG enables continuous and real-time monitoring throughout the testing process and (3) Continuous quality checks and automated initiation of corrective actions ensures accuracy in ABG test results.

One of the important collaborative initiatives from this meeting was to put together POCT procedures for Africa, to standardize POC testing on this continent. This would be led by Prof. Rania El-Sharkaway, Prof. Rajiv Erasmus and Prof. Adil Khan. The conference was very well organized and covered a broad spectrum of topics in laboratory medicine. We would like to thank the conference organizers for their generous support and hospitality.



IFCC C-POCT and C-EBLM Speakers. L-R: Annalise Zemlin, Adil Khan, Lena Jafri, Sohini Sengupta



L-R: Adil Khan, Sohini Sengupta, Rania El-Sharkawy, Lena Jafri



Sphinx and Pyramid at Giza



Pyramid Panorama at Giza

# Celebrate with us the IFCC GMLW 2024!

By **Maria del C. Pasquel Moxley**, C-PR/CPD-IFCC Chair



The IFCC is for the third year inviting clinical laboratory professionals around the world to join us in celebrating GLOBAL MED LAB WEEK 2024.

We all have many experiences to tell, about how **“laboratories save lives”**, it is the year’s title for this great global celebration. You can send us audios to generate podcast or videos, these must be 1 to 4 minutes, you can send us your experiences until April 10, IFCC has the guides to organize your submission, they are found in the following link.

<https://globalmedlabweek.org/GMLW-Podcasts-Guidelines.pdf> (Podcasts)

<https://globalmedlabweek.org/GMLW-Video-Guidelines.pdf> (Videos)

C-PR organizes this event on behalf of the IFCC, in collaboration with the Young Scientists Task Force (TF-YS). We are also supported by the National Representative and Champion of the IFCC member countries and the Regional Representative of the 6 IFCC world Federations: African Federation of Clinical Chemistry (AFCC), Arab Federation of Clinical Biology (AFCB), Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB), European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), and Latin-American Confederation of Clinical Biochemistry (COLABIOCLI).

We will have prizes for the first, second and third place of the best videos, and remember that all professionals who collaborate with us with audios and videos will receive an IFCC participation certificate, in recognition of their collaboration.

We thank the countries that have already sent us material for podcasts and videos. Remember that during the GMLW, scientific societies can generate different academic and recreational activities. Additionally, they can generate newsletters and have interviews on radio and television. Remember, we are spreading the word; the activity of the clinical laboratory professional in the health and care of the patient, that is why “Laboratories Save Lives”.

Share GMLW 2024 on your social networks and visit all IFCC social networks, be part of this great week and enhance the visibility of the laboratory medicine.

You can also communicate any concerns to the IFCC secretary, Elisa Fossati, who will be happy to help you, [elisa.fossati@ifcc.org](mailto:elisa.fossati@ifcc.org)

Don’t forget to participate and be part of this celebration, GMLW 2024 will be, April 22 to 28!

Visit us at: <https://globalmedlabweek.org/>



# Celebrate and Make Visible the Important Work of Lab Professionals Around the World

By **Dr Tomris Ozben**, IFCC President



Hello everyone,

I am delighted to inform you about the Global MedLab Week 2024, organized by the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC). IFCC is the world's leading organization in the field of Clinical Chemistry and Laboratory Medicine, comprising 98 National Societies in 6 Regional Federations, as well as 56 corporate members.

The mission of IFCC is to advance excellence in laboratory medicine for better healthcare worldwide. To support and enhance this mission, IFCC provides continuous scientific and continuing education opportunities to its members and develops key programs to directly impact patient healthcare by improving services in the field of laboratory medicine. IFCC serves as the unifying organization for laboratory scientists worldwide, offering services, education, and research initiatives.

Medical laboratories serve as the cornerstone of all healthcare services, providing accurate test results crucial for critical diagnoses. I take great pride in our profession and organization, recognizing that without the laboratory, high-quality medical care would not be achievable.

Global Medical Laboratory Week (Global Medlab Week) is an annual celebration hosted by IFCC, honoring medical laboratory professionals who play a vital role in public and patient healthcare. This celebration is intended to honor and appreciate the significant role of medical laboratory professionals for their exceptional healthcare services, employing diagnostic innovation and accurate testing. GMLW offers a unique opportunity to raise awareness of the crucial role of Medical Laboratories in the optimal delivery of healthcare, as well as to recognize the dedicated service of laboratory personnel in public health and patient care.

The IFCC Global Medical Laboratory Week (GMLW) is a global event designed to spotlight key public health and patient care issues. It serves as an opportunity to celebrate the contributions of Laboratory Medicine professionals in enhancing health and patient care on a global scale.

The IFCC organizes the Global Medical Laboratory Week (GMLW) through its Public Relations Committee (C-PR). This event is coordinated by the IFCC Public Relations Committee (C-PR) in collaboration with other relevant units of IFCC. The GMLW is scheduled to take place between April 22nd and April 28th, 2024.

Together, we extend our invitation for you to join us in celebrating Laboratory Medicine and Medical Laboratory professionals worldwide by participating in the IFCC GLOBAL MED LAB WEEK 2024. This event aims to promote the increasing significance of laboratory medicine as a crucial and indispensable component of the diagnostic process and underscores its central role in healthcare.

This invitation is extended to all Medical Laboratory Professionals, including International, Regional, and National Societies, Corporate Members, IVD Industry Partners, Other Healthcare Professionals and Organizations, Government Agencies, as well as the General Public. We welcome everyone to

*Celebrate and Make Visible the Important  
Work of Lab Professionals around the world*

join us in commemorating this important event.

The theme of IFCC's GLOBAL MEDLAB WEEK 2024 celebration is "Labs Save Lives." Laboratory professionals from around the world are invited to submit audio and video contributions based on the guidelines provided by IFCC, focusing on how laboratories save lives. We particularly encourage young scientists to share their insights through video submissions on the theme "Labs Save Lives." Awards will be presented to the best videos.

Join us in celebrating IFCC's GLOBAL MEDLAB WEEK 2024 to recognize and appreciate the contributions and dedication of medical laboratory professionals!

# The IFCC Committee on Clinical Application of Cardiac Biomarkers launches two series of podcasts

By **Prof. Louise Cullen**, MBBS(Hons) FACEM FESC PhD, Committee on Clinical Applications of Cardiac Biomarkers (C-CB) Eminent, Staff Specialist Emergency & Trauma Centre Royal Brisbane and Women's Hospital DQJM Building, Butterfield St, Herston Queensland, AU, Louise.Cullen@health.qld.gov.au

The IFCC Committee on Clinical Application of Cardiac Biomarkers is thrilled to announce the launch of two new podcasts dedicated to cardiac biomarkers and the leaders of innovation in this field. As cardiac biomarkers continue to revolutionize healthcare diagnostics and personalized medicine, these podcasts offer invaluable insights from experts and pioneers at the forefront of research and development.

The Educational podcasts tackle the science behind the biomarkers, discussing their significance, interpretation, and clinical applications. Basic to complex concepts, along with emerging topics relating to cardiac biomarkers will be covered.

The "Getting to know the Experts" podcasts are brief conversations with leaders in the field. From renowned researchers, laboratory medicine experts and clinicians to industry innovators, each episode offers a candid look at the challenges and triumphs of working in the field of biomarker discovery, development, and use. These conversations shed light on the cutting-edge work shaping the landscape of cardiac biomarkers and insights into experts' careers and perspectives.

These podcasts will allow you to develop a detailed understanding into cardiac biomarkers and keep abreast of the latest developments in cardiac biomarker research and technologies, directly from the experts driving progress in the field. Explore the world of biomarkers, from their discovery and validation to their clinical applications and potential impact on patient care.

Hear firsthand accounts from leaders who have pushed the boundaries of cardiac biomarkers and developed innovative uses in diagnostics and therapeutics.

These podcasts can be accessed here: [Podcasts - IFCC](#)

Enjoy listening!



*Dr Louise Cullen, member of the IFCC Committee on Clinical Application of Cardiac Biomarkers*

# IFCC: the people

## Welcome and thanks to the Chairs

The IFCC extends a warm welcome to the new Chairs of its functional units while expressing gratitude to those who have concluded their tenure in office.

We present here the second group of IFCC Chairs who began their time in office in 2024. A further group of them will be presented in the next issue of our eNews.

### Committee on Mobile Health and Bioengineering in Laboratory Medicine (C-MHBLM)

Welcome to the new Chair, **Prof. James Nichols (US)** and thanks for his commitment to **Dr. Bernard Gouget (France)**, who led the committee until December 2023 and now is the Secretary of the Emerging Technologies Division Executive Committee.

**James H. Nichols, Ph.D., DABCC, FAACC** is a Professor of Pathology, Microbiology, and Immunology, Medical Director of Clinical Chemistry and Point-of-Care Testing, and Medical Director of Special Testing at Vanderbilt University Medical Center in Nashville, TN. Dr. Nichols received his B.A. in General Biology/Premedicine from Revelle College, University of California at San Diego. He went on to complete a Master's and Doctorate in Biochemistry from the University of Illinois, Urbana-Champaign. Jim was a fellow in the Postdoctoral Training Program in Clinical Chemistry at the Mayo Clinic, Rochester, MN. He is board certified in both Clinical Chemistry and Toxicological Chemistry by the American Board of Clinical Chemistry. Dr. Nichols spent several years as Associate Director of Clinical Chemistry, Director of Point-of-Care Testing, and an Associate Professor of Pathology at Johns Hopkins Medical Institutions. Jim later served as Medical Director of Clinical Chemistry for Baystate Health in Springfield, MA and was a Professor of Pathology at Tufts University School of Medicine. Dr. Nichols is currently President of the Clinical and Laboratory Standards Institute (CLSI). Dr. Nichols' research interests span evidence-based medicine, information management, laboratory automation, point-of-care testing and toxicology.



*Prof. James Nichols, new Chair of the Committee on Mobile Health and Bioengineering in Laboratory Medicine (C-MHBLM)*



*Dr. Bernard Gouget, Chair of the Committee on Mobile Health and Bioengineering in Laboratory Medicine (C-MHBLM) for two terms (2019-2023)*

### Working Group on Artificial Intelligence and Genomic Diagnostics (WG-AIGD)

Welcome to the new Chair, **Dr He Sarina Yang (US)** and thanks for his commitment to **Dr. Larry Kricka (US)**, who led the Working Group until December 2023 and remains as Consultant to the WG.

**He Sarina Yang**, PhD, DABCC is an Associate Professor of Clinical Pathology and Laboratory Medicine, currently serving as the Medical Director of Clinical Chemistry and Toxicology at New York Presbyterian Hospital/Weill Cornell Medicine. Dr. Yang obtained her Bachelor of Medicine degree from Peking University Health Science Center and her PhD in Neuroscience from Northwestern University and completed her fellowship training in Clinical Chemistry at UCSF/San Francisco General Hospital. Dr. Yang is certified in both Clinical Chemistry (2015) and Toxicological Chemistry (2017) by the American Board of Clinical Chemistry.

Dr. Yang is an active member in the ADLM Education Core Committee (2022-2025) and chaired the ADLM New York Metro Local Section in 2023. She currently serves as the Chair of IFCC Working Group on Artificial Intelligence and Genomic Diagnostics (2024 – 2026). She serves in the Editorial Board of Critical Reviews in Clinical Laboratory Sciences and Annals of Laboratory Medicine. As an active researcher, Dr. Yang has a keen interest in applying machine learning algorithms to improve test utilization and laboratory stewardship as well as the workflow in clinical laboratories. Her research also delves into drug analysis and metabolomics using high-resolution mass spectrometry. She received the 40 under Forty award from the American Society of Clinical Pathology and the Young Investigator award from the ADLM TDM and Toxicology Division.



*Dr Sarina He Yang, new  
Chair of the Working Group  
on Artificial Intelligence and  
Genomic Diagnostics  
(WG-AIGD)*



*Dr. Larry Kricka, who chaired of  
the Working Group on Artificial  
Intelligence and Genomic  
Diagnostics (WG-AIGD) until  
December 2023*

### Committee on Evidence-Based Laboratory Medicine (C-EBLM)

Welcome to the new Chair of the Committee on Evidence-based Laboratory Medicine (C-EBLM), **Dr Andrew Don-Wauchope (CA)** and thanks for her commitment to **Dr. Annelise Zemlin (ZA)**, who led the Committee until December 2023 and remains within the Committee as a Consultant.

**Andrew Don-Wauchope** is a medical biochemist and endocrinologist affiliated with McMaster University where he is a full professor of Pathology and Molecular Medicine with a cross appointment to Internal Medicine, division of Endocrinology. He is currently working with Laverty Pathology, a brand of Healius Limited, in Sydney, Australia as a Chemical Pathologist.

Andrew has worked in clinical and laboratory practice in South Africa, United Kingdom, Ireland, Canada, and Australia. Through his career Andrew has promoted the role of laboratory medicine, in

particular clinical chemistry, as a critical component of clinical care in all steps of the care pathway. The value of the laboratory tests is underwritten by the evidence that supports their use. Thus, the role of promoting evidence-based laboratory medicine is foundational to the practice of laboratory medicine. Evidence based medicine is a key aspect of developing clinical practice guidelines and he has worked in the areas of knowledge synthesis and guideline methodology. In addition to Chairing the IFCC committee on Evidence-Based Laboratory Medicine he is Chair of the Royal College of Physicians and Surgeons of Canada speciality committee for medical biochemistry. He is a past president of the Canadian Association of Medical Biochemists and has served as Chair of the AACC Education core committee and has held an executive leadership role in a laboratory.



*Dr Andrew Don-Wauchope,  
new Chair of the Committee  
on Evidence-based Laboratory  
Medicine (C-EBLM)*



*Dr. Annelise Zemlin, who  
chaired of the Committee on  
Evidence-based Laboratory  
Medicine (C-EBLM) until  
December 2023*

### **Committee on Internet and Digital Communications (C-IDC)**

Welcome to the new Chair of the Committee on Internet and Digital Communications (C-IDC), **Dr Deniz İlhan Topcu (TR)** and thanks for his commitment to **Dr. Eduardo Freggiaro (AR)**, who led the Committee until December 2023 and now is the COLABIOCLI Regional Federation Representative on the IFCC Executive Board.

**Deniz İlhan Topcu** is a laboratory medicine specialist driven to bridge clinical practice with technological advancements. After earning his medical degree (MD), he specialized in Medical Biochemistry. Eager to explore the power of data-driven tools in diagnostics, he concurrently studied Computer Engineering, followed by a PhD in Medical Biochemistry. His doctoral research centered on applying artificial intelligence for clinical laboratory result autoverification.

Throughout his career, Dr. Topcu has sought to enhance laboratory operations, workflows, and the use of cutting-edge analysis techniques. As Core Laboratory Director and IT Supervisor at Düzen Laboratories Group, he contributed significantly to integrating IT systems for streamlined efficiency and participated in international investigative studies. As a skilled R statistical software developer, he contributed to innovative analytics solutions related to clinical laboratory management, showcasing the practical application of his technical skills. Dr. Topcu is an active contributor to international research and discourse surrounding data analytics and machine learning (ML) within medical diagnostics, a focus further enriched by his recent appointment as a Consultant for the EFLM Working Group on Biological Variation. He disseminates his findings through peer-reviewed publications and presents at international conferences.

In his current role as Medical Biochemistry Laboratory Supervisor and Academic Instructor at Tepecik

Research and Education Hospital, Dr. Topcu oversees daily operations and enjoys mentoring the next generation of professionals. His collaborations with clinicians demonstrate his commitment to enhancing patient care through the applications of medical biochemistry.

In collaboration with former Chair Eduardo Freggiaro, Topcu served as the former Web Editor for the IFCC Committee on Internet and Digital Communications (C-IDC), contributing to the modernization of the IFCC website. Their efforts focused on improving user-friendliness, mobile compatibility, and leveraging new web technologies for a more dynamic experience. Currently, as the newly appointed Chair of the C-IDC, he leads initiatives like the development of a user portal, aiming to personalize user experience and enhance communications within the IFCC community.



*Dr Deniz Ilhan Topcu, new  
Chair of the Committee  
on Internet and Digital  
Communications (C-IDC)*



*Dr. Eduardo Freggiaro, Chair of  
the Committee on Internet and  
Digital Communications (C-IDC)  
until December 2023*

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

Welcome to the new co-Chairs of the Working Group electronic Journal of the IFCC (WG-eJIFCC) and co-editors of the Journal, **Dr Harjit Pal Bhattoa (HU)** and **Dr Kannan Vaidyanathan (IN)** and thanks for his commitment to **Prof János Kappelmayer (HU)** who was the Editor of the eJIFCC for two terms, until December 2023.

**Harjit P Bhattoa**, MD, PhD, MSc, DSc graduated from the University of Debrecen, Hungary in 1997, and is a Laboratory Medicine specialist. He is the Head of the Endocrinology Unit at the Department of Laboratory Medicine at the University of Debrecen. He is a Full-Member of the International Federation of Clinical Chemistry Scientific Division Committee on Bone Metabolism (IFCC C-BM), Chair of the European Federation of Laboratory Medicine (EFLM) Working Group Promotion and Publications, Editor of the EuroLabNews newsletter of the EFLM, Member of the EFLM Communications Committee, Member of EFLM Task Group European Syllabus Course, Secretary of the EFLM Working Group European Regulatory Affairs and is an Advisor to the European Commission in the field of medical devices and in vitro diagnostic medical devices. He has been the Associate Editor of the Electronic Journal of the International Federation of Clinical Chemistry (eJIFCC) between 2015 and 2023. He has published over 100 peer-reviewed papers, authored 1 book and numerous book chapters.

**Dr. Kannan Vaidyanathan**, MBBS, MD (Biochemistry), FRCP (Edin) UK - Currently Professor & Head, Department of Biochemistry, Believers Church Medical College Hospital (BCMCH), Tiruvalla, Kerala, India and President of the Association of Clinical Biochemists of India (ACBI). He did post-doctoral fellowship (Microbiology & Cell Biology), Indian Institute of Science, Bangalore (2003-2006). Other positions currently held include Associate Editor, Indian Journal of Clinical Biochemistry (IJCB) &

Clinical Biochemists Reviews (CBR); Member, IFCC-ISNS TF-NBS Task Force, and Member, Post-Graduate Board of Studies, Kerala University of Health Sciences (KUHS), Kerala. He served as Editorial Board Member, Clinical Chemistry & Laboratory Medicine (CCLM) (2013-2019). Scholarships and fellowships won include APFCB International Silver Jubilee Scholarship (2009), KP Sinha – PS Krishnan Award for the best original research article, IJCB (2011), ICRM Travel Fellowship to attend Euromedlab Barcelona (2019) and Trialect Priority Fellowship, Torino University, Italy (2023). Co-author of three textbooks and 7 textbook chapters in biochemistry; more than 100 publications; 32 in PubMed indexed journals. Areas of research include inborn errors of metabolism, clinical chemistry and molecular biology.



*Dr Harjit P Bhattoa, co-Editor  
of the Journal of the IFCC and  
co-Chair of the Working Group  
electronic Journal of the IFCC  
(WG-eJIFCC)*



*Dr. Kannan Vaidyanathan,  
co-Editor of the Journal of  
the IFCC and co-Chair of the  
Working Group electronic  
Journal of the IFCC  
(WG-eJIFCC)*



*Prof János Kappelmayer,  
Editor of the Journal of the  
IFCC and Chair of the Working  
Group electronic Journal of  
the IFCC (WG-eJIFCC) until  
December 2023*

## IFCC Calls for Nominations

Participate into IFCC activities and give your contribution! Review the open positions and, if interested, contact your National or Corporate Representative. Currently following call for nomination is open:

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

1 member position - Call for nominations letter

Please send C-CMBC nominations to [cardinale@ifcc.org](mailto:cardinale@ifcc.org) by 21st April 2024

### **Committee on Clinical Applications of Cardiac Bio-Markers (C-CB)**

Term of office January 2025 – December 2027.

1 member position - Call for nominations letter

1 young member position - Call for nominations letter

Please send C-CB nominations to [cardinale@ifcc.org](mailto:cardinale@ifcc.org) by 20th May 2024



# IFCC: the Young Scientists

## IFCC Young Scientists – Omics in LM: Genomics, proteomics, metabolomics

By **Aleksei Tikhonov**, French YS (Société Française de Biologie Clinique, SFBC)

The IFCC Task Force - Young Scientists (IFCC TF-YS) is a group of young professionals and researchers in laboratory medicine who aim to contribute to the activities of IFCC and the advancement of laboratory medicine at the centers of healthcare. The TF-YS organizes various activities, such as forums and webinars, to provide opportunities for young scientists to learn, network, and collaborate.

One of the topics that attract the interest of young scientists is *omics technologies and their applications in laboratory medicine*. Omics technologies allow the in-depth analysis of biological molecules and systems at different levels, such as genomics, proteomics, metabolomics, and lipidomics. These technologies can address various clinical and research questions, such as the diagnosis, prognosis, and treatment of diseases, the discovery of biomarkers, and the elucidation of molecular mechanisms and pathways.

On 19 January 2024, the IFCC TF-YS organized a webinar on this topic, moderated by **Dr Aleksei Tikhonov** (France), an IFCC Young Scientist and a researcher in translational cancer immunotherapy and precision medicine at Gustave Roussy. The webinar featured three young scientists who shared their experience and expertise on omics applications in laboratory medicine.

### IFCC Young Scientists Live Webinar on Omics in LM: Genomics, proteomics, metabolomics



Moderator	Genomics of mitochondrial diseases: current approaches for molecular diagnosis	What can proteomics bring to the monogenic disease diagnostics table?	Lost in translation - a story of one clinical lipidomics project
			
<b>Dr. Aleksei Tikhonov</b> [France] Researcher in translational cancer immunotherapy and precision medicine Laboratory of Translational Research in Immunotherapy (LRTI)	<b>Ms. Daniela Alejandra Pibernus</b> [Argentina] Biochemist Pediatric Hospital "Prof. Dr. Juan P. Garrahan"	<b>Dr. Ksenia Kuznetsova</b> [Norway] Postdoctoral fellow Mohn Center for Diabetes Precision Medicine, Faculty of Medicine, Department of Clinical Sciences, University of Bergen	<b>Dr. Olya Vvedenskaya</b> [Germany] Scientific communications officer Biotech Industry, Lipotype

**Date: January 19, 2022**  
**Time: 9 AM (Eastern Standard), 3 PM (Central European), 10 PM (Beijing)**



The webinar comprised of the following three presentations:

- *Genomics of mitochondrial diseases: current approaches for molecular diagnosis.*  
**Dr Daniela Pibernus** (Argentina), a biochemist and a member of the genomics unit at Pediatric Hospital “Prof. Dr. Juan P. Garrahan”, explained the challenges and strategies for the study of variants in the mitochondrial genome, using next-generation sequencing (NGS) and other molecular techniques. She also presented some cases of molecular diagnosis of mitochondrial diseases in pediatric patients, highlighting the importance of genomics for the clinical management and genetic counseling of these patients.
- *What can proteomics bring to the monogenic disease diagnostics table?*  
**Dr Ksenia Kuznetsova** (Norway), a postdoctoral fellow in the group of Proteogenomics at the University of Bergen, discussed the potential of proteomics for enhancing monogenic diabetes diagnostics and care. She described her research project that aims to redefine diabetes diagnosis and treatment by focusing on personalized approaches, specifically targeting monogenic diabetes, a complex disorder often challenging for precise identification. She explained how her analysis involves two approaches: studying pancreatic tissue via mass spectrometry-based proteomics and assessing blood protein concentrations through high-throughput assays, both contributing to understanding disease pathogenesis and variant pathogenicity.
- *Lost in translation - a story of one clinical lipidomics project.*  
**Dr Olya Vvedenskaya** (Germany), a scientific communications officer at Lipotype and a co-founder of Dragonfly Mental Health and the sci.STEPS mentoring program, shared her experience in running a multidisciplinary project of analyzing liver biopsies using mass spectrometry. She described the challenges and opportunities of clinical lipidomics projects, such as the sample collection and preparation, the data acquisition and analysis, the interpretation and validation of results, and the communication and dissemination of findings. She also discussed the importance of collaboration and translation in omics research and practice, and the role of young scientists in bridging the gaps between different disciplines and stakeholders.

The webinar was attended by more than 3000 participants from different countries and regions, and positive feedback was received from the audience. The participants had the opportunity to interact with the speakers and ask questions during the panel discussion. The questions covered technical, clinical, ethical, and educational aspects of omics technologies and applications.

If you missed the webinar or want to watch it again, you can access the recording after the registration [here](#). You can also find more information about the IFCC TF-YS activities on the IFCC [webpage](#), or follow us on [Instagram](#), [Facebook](#), [LinkedIn](#) and [Twitter](#).

We look forward to seeing you at our next webinar. Stay tuned for more updates from the IFCC TF-YS.

# IFCC Task Force for Young Scientists – Clinical Case Discussions

## Session 2: Endocrine cases

On February 5th, 2024, the second TF-YS Clinical Case Discussion took place virtually for young scientists worldwide. After the successful first edition of clinical case discussion, for the second edition, it focused on the presentation of three compelling endocrine cases, furthering the exchange of expertise and insights in this field of medicine.

This session commenced with a cordial welcome from the Chair of the IFCC TF-YS, Dr. Santiago Fares Taie, followed by moderation conducted by Dr. Udara Senarathne, core member of IFCC TF-YS from Sri Lanka.

The discussion started with a great presentation by Dr. Ameerah Davids from South Africa entitled “Delayed Diagnosis of Hypogonadotropic Hypogonadism in a Resource-limited Setting”. She commenced the presentation summarizing the condition from physiopathological point of view, followed by the presentation of the interesting case: a patient who exhibited a lack of secondary sexual characteristics by the age of 16 not identified by the medical practitioner. Three years later, laboratory assessment confirmed low follicle stimulating hormone (FSH), luteinising hormone (LH), and testosterone, confirming hypogonadotropic hypogonadism. Despite the clinical finding of hypogonadism, the laboratory results delineate the underlying aetiology; thus playing an essential role in diagnosis. Dr. Ameerah Davids highlighted that the delayed diagnosis of puberty can have physical and psychosocial implications and the laboratory investigations play a pivotal role in the diagnosis and condition management.

The next speaker was presented by Tara Rolić from Croatia, about an interesting case on delayed diagnosis of Addison’s disease in a 12-year-old child. Addison’s disease is a rare disorder in children. The child presented with general weakness, vomiting, abdominal pain, and weight loss. Laboratory findings indicated severe hyponatremia. She discussed the diagnostic process of confirming Addison’s disease emphasizing how it is often overlooked in its early stages due to nonspecific symptoms that develop gradually. The importance of promptly communicating critical laboratory values without delay and measurement of subsequent endocrinological assessment in cases of severe unexplained hyponatremia were highlighted as take-home messages.

The last outstanding speech of this session was carried out by a young scientist from India, Dr. M. Monisha. She presented a case report entitled “*Application of Tubular maximum reabsorption of phosphate (TmP/GFR) in diagnosing Familial tumor calcinosis*”. It is a rare disorder characterized by the calcification of soft tissues around the large joints. She presented a 9-year old child diagnosed with tumor calcinosis who presented with hyperphosphataemia. To identify the cause, TmP/GFR (Tubular maximum reabsorption of phosphate) was calculated using fasting urine and plasma samples. She discussed the application of this formula in diagnosing Familial Tumor Calcinosis. She focused on the identification of the underlying pathology of hyperphosphatemia using TmP/GFR, an inexpensive investigation, which showed increased phosphate reabsorption supporting the diagnosis of Familial hyperphosphataemic tumour calcinosis highlighting the take-home message that TmP/GFR can be a tool for treatment plans and monitoring of phosphate levels in Familial tumour calcinosis diseases.

In summary, the case presentations generated great interest from the audience. The interaction between the authors and YS allowed for the sharing of experiences and questions regarding the cases presentations.

Altogether, and thanks to this second successful case discussion presentation, a path was established to encourage YS to disseminate their works and learn more about the process of

publishing and discussing results, thus boosting laboratory medicine as a whole. The IFCC TF-YS members invited the audience to stay tuned for upcoming sessions that will be promoted on their social media channels.



Dr. Ameerah Davids (ZA)



Dr. Tara Rolić (HR)



Dr. M. Monisha (IN)

www.dubai2024.org



# IFCC WORLDLAB 2024 MAY 26-30

*In cooperation with*



26<sup>th</sup> International Congress of  
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17<sup>th</sup> Congress of Arab Federation  
of Clinical Biology

10<sup>th</sup> Saudi Society for Clinical  
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IFCC is an approved EFLM CPECS® Provider of Continuing Education Events in Laboratory Medicine. The IFCC Worldlab 2024 has been accredited by the EFLM-CPECS® credit system for a maximum number of 22,5 CPECS® credits.

Dubai World  
Trade Centre (DWTC)

# IFCC FORUM for Young Scientists

By the IFCC Task Force for Young Scientists

We are delighted to invite you to attend the THIRD IFCC YOUNG SCIENTISTS' FORUM, which will be held on 25-26 May 2024 in Dubai.

Young Scientists (YS) are the future of laboratory medicine and comprise the major workforce of laboratory professionals. Future leaders need to be trained and encouraged to succeed in their role, ideally with the support of experienced leaders. To make this feasible, the IFCC Task Force for Young Scientists (TF-YS) invites you to register to the "IFCC Young Scientists FORUM", where YS will have opportunities of training and improve communication and networking. The scientific program at the FORUM will provide the young scientists an excellent opportunity for an open discussion platform about scientific and personal experiences, exchange of ideas among colleagues and best practices. Young Scientists will present and discuss their activities in laboratory medicine and benefit from career skills development.

The IFCC is pleased to offer up to 50 IFCC-Sponsored Travel Scholarships plus 5 additional scholarships sponsored by Roche to allow young scientists from IFCC member countries to attend both the XXVI IFCC WORLDFLAB Congress and the THIRD IFCC YOUNG SCIENTISTS' FORUM.

The TF-YS is dedicated to making the Third Forum for Young Scientists an unforgettable global event. We look forward to your participation and kindly ask you to complete your registration through the official website.

We look forward to your participation in this enriching and collaborative event!

[Register here for the on-site event!](#)



1st IFCC Young Scientists' Forum, Seoul 2022



IFCC Young Scientists' Forum, Rome 2023



TF-YS

# IFCC FORUM For Young Scientists 3<sup>o</sup> Edition

United Arab Emirates, Dubai  
26th May, 2024



# IFCC Young Scientists – collaborations and common projects with regional groups of YS

By **Marie Lenski**, French YS (Société Française de Biologie Clinique SFBC), IFCC-TF-YS member Santiago Fares Taie, Argentina YS (CUBRA), IFCC-TF-YS chair

The International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) is a worldwide, non-political organization for clinical chemistry and laboratory medicine. It has a wide range of roles in which young scientists (< 40 years old) from all over the world can make significant contribution, including through the IFCC Task Force - Young Scientists (IFCC TF-YS). It relies on young scientist volunteers to run the Task Force and to undertake its range of activities. The IFCC TF-YS is structured with 6 core members, and 44 nominated corresponding members from all of the regional federations: Europe (EFLM), North America (NAFCC), Arab (AFCC), Asian and Pacific (APFCC), Latin American (COLABIOCLI) and Africa (AFCC).

A constant collaboration with regional groups of Young Scientists permits to carry out collaborative projects, to encourage young scientists to participate in international programmes, to make young scientists aware of the existence and role of international federations, to encourage their participation in international activities, and to link with international federations young scientist initiatives.

In 2024, new opportunities will be proposed to YS thanks to these collaborations:

- YS FORUM during WorldLab in Dubai
- LATAM YS FORUM during COALBIOCLI congress
- AFRICAN YS FORUM during the AFCC congress
- Leadership workshop in LATAM
- DIGITAL COMPETENCES programme
- CLINICAL CASE presentations
- WEBINARS
- PODCASTS

For these specific projects we promote and require complete collaboration and commitment of YS from different regions. Also, these projects represent a great success for the IFCC TF-YS activities due to the outstanding participation of young colleagues.

In January 2024, Young Scientists from EFLM elected Aleš Kvasnička, YS from the Czech Republic, as chair of the Task-Group Young Scientists (EFLM TG-YS). The IFCC TF-YS congratulated Aleš Kvasnička and wishes a fruitful experience. We seized this opportunity to interview Aleš about EFLM TG-YS collaborative activities with IFCC TF-YS.

- Aleš could you please introduce yourself?

Firstly, let me thank you for the opportunity to give an interview for IFCC eNews and for your kind words. My name is Aleš Kvasnička and I am from Czech Republic. I have completed a Master's program in Biochemistry at the Faculty of Science (Palacký University Olomouc) and now I am in the final year of my PhD program in Medicinal Chemistry and Clinical Biochemistry at the Faculty of Medicine (Palacký University Olomouc). Additionally, I am working as a researcher at the Laboratory for Inherited Metabolic Disorders, Department of Clinical Biochemistry, University Hospital Olomouc. In our lab, we are focused on the diagnosis of patients with inherited metabolic disorders and newborn screening. We are also developing new methods based on liquid chromatography and mass spectrometry in various clinical applications. You can check out our work here:

<https://massspec.group/>.

- From your point of view, what are the main concerns of the YS from the European region?

I think the problems for YS in the field of laboratory medicine in Europe are similar to those in other regions. I think YS can feel sometimes that their voice is not heard enough, or they can have a hard time finding funding for networking or attending congresses. Happily, there are communities like the IFCC and EFLM which are providing scholarships and bursaries to help YS. It's fantastic that the YS forum was established which brings more attention to the YS efforts and achievements. However, during these congresses, there is little to no chance for more YS to show their hard work. We are communicating and creating plans for how to change this at our next EuroMedLab meeting.

One common problem for all laboratory medicine specialists including YS is that our profession is not recognized so much by the general public and that we are a little bit hidden in our laboratories and not in contact with patients. This can create a picture that we are not so important, however, the opposite is true as laboratory tests are crucial for the decisions of doctors and correct diagnosis. We are trying to raise awareness of our profession through various activities such as the European Lab Day led by Tara Rolic which focuses on opening the doors of our laboratories to the general public.

Next, there are other common problems which young scientists can face. For example, to find a balance between their work in the laboratory, scientific projects, and life outside the work. Sometimes it can be problematic to find funding for their projects and I must highlight the efforts of EFLM to help YS in their endeavors via the EFLM Research Grant platform (providing up to € 10.000).

Lastly, I would like to conclude that we are planning to carry out a comprehensive survey among YS to ask them about their problems and concerns so we can have a better idea what to focus on and how to solve these issues.

- Could you please present EFLM TG-YS?

The EFLM TG-YS welcomes all young scientists, residents, all young professionals in laboratory medicine and related disciplines under the age of 40. Currently, we have 104 members from 38 countries. Even though we are mainly comprised of members from the European countries we have a few members outside Europe and everyone is welcome. From these members, we have more than 30 active members who have joined our first meeting of the year 2024. Apart from the chair, we have 4 core members who are in a tight collaboration with the chair. The core members are Tara Rolic (Osijek, Croatia), Aleksei Tikhonov (Paris, France), Monica Dugaesescu (Bucharest, Romania), and Emeline Gernez (Lille, France). These are amazing enthusiastic people who have presented many ideas and visions for EFLM TG-YS which we want to pursue together. Core members are responsible for their own projects set within the main 6 goals set by EFLM TG-YS including education, communication, online presence, conference, collaboration and expansion. Once these projects will start, we would like to also include more YS members to help us fulfill these goals so that everyone can make some efforts to help our shared goal.

- Could you describe your vision for EFLM TG-YS future projects?

The main goal is to make YS voice more heard and recognized and as I already stated, we are currently trying to make YS work more visible during the congresses like EuroMedLab. This has more possible solutions, but we would like to include some motivational factors like a YS poster prize and dedicate a section for YS posters, so their hard work can be highlighted. However, we still need to discuss and plan these activities further with the EFLM Executive Board.

Additional projects which we are aiming for are coming from the main 6 goals: education, communication, online presence, conference, collaboration and expansion. Regarding education, we are planning to host EFLM TG YS branded webinars with experts covering important topics (e.g. statistics in laboratory medicine, use of AI, mental health and others) which can help YS and increase their knowledge and boost their career. We have established an EFLM TG YS WhatsApp group for fast communication and we are planning to also include some additional platform for data sharing

and easier task management. We want to engage more in the online presence via the EFLM social media accounts and start creating YS content. During our last meeting, we had many interesting suggestions from YS that they would like to share, for example, educational videos to highlight our work in the lab and important aspects of laboratory medicine or also memes (funny pictures with laboratory medicine topics). I am absolutely amazed to see how engaged our members are towards these goals and as they are coming up with so many inspiring ideas and visions. Lastly, we want to expand our network as we know there are thousands of YS in laboratory medicine in Europe but yet we have only over one hundred members. We need to highlight the advantages and opportunities of becoming a member of EFLM TG YS and try to more directly target them with our content and reach. These are briefly the plans we have right now, but there are many other projects we want to pursue and we are discussing them intensively with all our members during our regular meetings.

- How are IFCC TF-YS and EFLM TG-YS related?

The IFCC TF-YS is deeply connected with the EFLM TG-YS as we share the same goal to make YS in laboratory medicine more recognized and valued. Additionally, many members of the EFLM TG-YS are also part of the IFCC TF-YS where they are helping and contributing intensively. I would really want to have more collaborative projects together and we have already started this conversation between IFCC TF-YS and EFLM TG-YS!

- Is there any future collaborative project that you want to share with readers of IFCC eNews?

We had a first meeting with the IFCC TF-YS, namely with Santiago Fares Taie and Marie Lenski. This conversation and discussion were really essential for the future collaboration between EFLM TG-YS and IFCC TF-YS. We discussed successful projects but also the pitfalls to avoid. Both Santiago and Marie were incredibly supportive and open to ideas and plans for the future. We specifically discussed potential collaboration on YS webinars. These webinars would aim to explain topics important to young scientists (statistics in laboratory medicine, AI and others), but also could focus on problems they can face (mental health, imposter phenomena, mentorship). We also discussed the involvement of YS at the YS forum and congresses and how it's important to include YS in the Working Groups and Task Groups in the IFCC and EFLM. I feel really enthusiastic about starting some of these perspective collaborative projects together!



*Aleš Kvasnička, Chair of the Task-Group Young Scientists (EFLM TG-YS).*

## Contribute to IFCC eNews

### Improving emergency department flow to enhance resource utilization and improve patient outcomes through laboratory-led integrated initiatives

2-hours.... 3.5-hours... 6-hours or more to wait to be seen in the emergency department (ED). We have all been affected by long wait-times and overcrowding in the ED. Unfortunately, ED overcrowding does not appear to be going anywhere anytime soon, affecting the developed and developing world alike, leading to delayed care, increased costs, and increased risks of adverse outcomes. Encouragingly, efforts to streamline triage have the ability to not only quickly identify the etiology of symptoms, but to also alleviate burdens within the healthcare system. Laboratory medicine has long since been an integral part of triage and diagnosis, with insights enabling enhanced decision-making and outcomes. By contrast, inappropriate testing, lack of availability of novel testing strategies and/or unnecessary testing can further impact already constrained resources. Consequently, efforts within and outside laboratory medicine to improve triage for improved patient flow can markedly improve outcomes. Two initiative receiving recognition of Achievement through the UNIVANTS of Healthcare Excellence award program do just that.

At Ain-Shams University, Emergency Hospital in Egypt, resources are scarce and needs are high in the ED. As such, the importance of early and accurate triage have monumental impact on patients. With the goal of optimizing testing and outcomes in ED, an integrated clinical care team designed and implemented a novel testing approach. This team customized their test panel to their institution and patients based on a cross functional consensus between internal medicine, surgical physicians and laboratory professionals. Changes were made based on the most informative tests across the most common emergency conditions, with feasibility capacity to be performed within one hour.

ED physicians now have the choice to order from a panel of 10 tests, with individual recommendations related to evidence-based ordering. Subsequently, the decision to admit patients and/or request additional testing is made, with the admission order set as a guided 20 test panel, with similar test specific recommendations related to evidence-based ordering.



From left to right: Gemma Alvarez Corral, Maria Isabel Romero Manjon, Francisco Ruiz-Cabello Osuna, Eva Gutierrez Pérez

In this resource constrained environment, this new streamlined process has made substantial improvements to patient care and flow with 15.2% more patients who were low-risk (from 49.0% to 64.2% of all ED patients) confidently sent home without the need for unnecessary serial lab testing. This resulted in a 12% increased workflow capacity in the ED, enabling over 10,000 more patients to be seen each year since implementation (14,978 and 12,515 for year 2020/2021 and year 2021/2022; respectively). Impressively, EGP 270/patient (on average) is saved in testing alone. Congratulations to Wessam EL Sayed Saad, *Professor of Clinical Pathology, Emergency Laboratory Director*, Essam Fakhery Ebied, *Professor of Colorectal Surgery, Manager of Emergency Hospital*, Rawan Mahmoud Mohamed, *Emergency Laboratory Director*, Ashraf Hassan Abdelmobdy, *Vice Deputy of Emergency Hospital*, Nouran Mahmoud Bahig, *Emergency Laboratory Director, Deputy*.

In Rijeka, Croatia, the ED at the Clinical Hospital Center Rijeka is no stranger to similar ED needs, which were magnified during the COVID-19 pandemic. Particularly during early stages when lack of supplies and expensive testing for COVID-19 limited accessibility to emergency services. Simultaneously, the need to quickly and accurately identify patients and employees with COVID-19 was crucial to mitigate in-hospital transmission.

Understanding that rapid identification of SARS-CoV-2 positive patients was an integral need, an integrated care team at this site used already existing commercial quantitative PCR (qPCR) reagents to optimize a typical qPCR process. This methodology had advantages over existing qPCR methods having already demonstrated feasibility of direct qPCR (dqPCR) detection without an RNA isolation phase - making it a faster method. Thus, a commercially available SARS-CoV-2 diagnostic test was modified into a point of care (POC)-dqPCR with premixed aliquots and was implemented as the accepted standard for rapid molecular diagnostic for respiratory infectious diseases.



*Martina Pavletic*



*Vanda Juranic Lisnic*



*Mate Lerga*



*Mario Franic*



*Jennifer Babic*

During this critical time in the pandemic where emergency services and patient flow were especially critical, this process decrease wait-time for results by up to 38 hours [from a maximum of 44 hours to 6 hours], while positively and substantially affecting clinical decision-making, while mitigating risk of downstream. Impressively, €40,000/month [annually €480,000] in mitigated costs were realized based on isolation reagents alone. Well-done to Martina Pavletic, *Head, ICU Specialist*, Vanda Juranic Lisnic, *Laboratory Manager*, Mate Lerga, *Emergency medicine specialist*, Mario Franic, *Laboratory Educator*, Jennifer Babic, *Nursing Educator*.

For more information on these best practices and others, please visit [www.UnivantsHCE.com](http://www.UnivantsHCE.com).



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# News from Regional Federations and Member Societies

## Association of Medical Laboratory Diagnostics Specialists (AMLDS) – Armenia

### A newly elected Executive Board to commence its activities.



By **Zaruhi Ter-Poghosyan**, AMLDS Board Member, **Avanesyan Alvard**, AMLDS President and **Varoujan Abovian**, AMLDS representative at IFCC

The Association of Medical Laboratory Diagnostics Specialists, hereinafter AMLDS, was established in 2017, in a short period of time, it has significantly expanded the scope of its activities, appealing to many new members. We managed to organize several scientific-practical conferences, seminars and webinars. The activities were dedicated not only for members of the association, but also were interested to non-laboratory specialists, we established a good relationship with specialized associations and closely cooperated with them.

The association also takes an active part in the discussion of the decisions made by the Ministry of Health of the Republic of Armenia regarding the issues of laboratory diagnosis. We consider our membership with IFCC a significant achievement, which undoubtedly opens new opportunities for us, as well as a great responsibility at the same time.

In the report meeting of 2023, presented the works achieved by the Association, the gaps, the unfulfilled works and the circumstances hindering them were discussed, then a decision was made to make changes in the charter, to expand and update the structure of BLAMA.

The “Association of Medical Laboratory Diagnostic specialists” now has 196 members. We have new members admitted, some members have left.

The newly elected board members are following ones:

**President:** Avanesyan Alvard; deputy director in the private medical complex “Eurolab” and head of the laboratory service at Eurolab

**Executive secretary:** Yakhshyan Marine; Head of the laboratory diagnostic center in “Avag” medical center

#### Executive board members

- Gevorgyan Vahan; PhD, former President and honorary member of the association: Head of the laboratory diagnostic center in “Izmirlyan” medical center
- Abovian Varoujan, Main advisor to the Minister of Health of the RA in the field of laboratory diagnostics, Head of Clinical Laboratory Equipment Department in “Concern-Energomash” CJSC
- Manukyan Marine; Head of the laboratory diagnostic center in “Astghik” medical center
- Iritsyan Sevan; Head of the laboratory diagnostic center in “Erevan” medical center
- Petrosyan Gayane; Head of the laboratory diagnostic center in “Heratsy” university clinic
- Galstyan Tamara PhD; Head of the laboratory diagnostic center in “Nairi” medical center
- Davtyan Anahit; Head of the laboratory in hospital for prisoners
- Ter-Poghosyan Zara; PhD, Head of the laboratory diagnostic center in ‘Polaris’ medical center
- Madoyan Anahit; Head of the laboratory diagnostic center in “SlavMed” medical center

- Martirosyan Anahit; Head of the laboratory diagnostic department in “N: 8 ” polyclinics
- Zakaryan Zaruhi; PhD, Head of the laboratory diagnostic department in “N: 4” polyclinics
- Hovsepyan Alla; laboratory specialist at the laboratory diagnostic department in” Avan Health Center”
- Hakobyan Araqsya, laboratory specialist at the laboratory diagnostic department in” Gyumri Health Center”

The process and conditions for membership in the Association and certification of members have been updated. It was decided to create specialized working groups with a different division` Scientific, Organizational, Conferences and congress, Financial, International relations.

It is planned to create our website, which will serve as a platform for coverage of announcements, news, planned and implemented events.

Work is underway to develop mechanisms for the protection of the professional interests of the members of the Association.

Activities of the association will include:

- **Legislative** - Participation in the public discussion of projects related to the development and operation of laboratory services, the reorganization of the legislative field, reforms, and development of SOPs. Harmonization of national practice with international experience.
- **Scientific activities** - Generalization of fundamental and paraclinical research showed by members of the association, familiarization with publications, create of methodological recommendations, implementation of scientific works, support young professionals.
- **Educational activities** - Organization of conferences, seminars, master classes, exhibitions (with the possibility of using distant technologies). Advisory support to both Association members and specialists involved in the field of laboratory diagnostics. The association supports the accreditation and professional development of laboratory specialists - advanced courses are organized based on the laboratories of the members of the association.
- **Implementation of quality management system** - Support laboratories to implement quality management system - theoretical and practical. A decision was taken to establish a national external quality assessment system.
- **Review of reference norms of laboratory examinations on national level.**
- **Expansion of internal and international cooperation** with specialized and interested Associations, and with many structures of the Ministry of Health.

AMLDS is progressively implementing all the planned tasks.



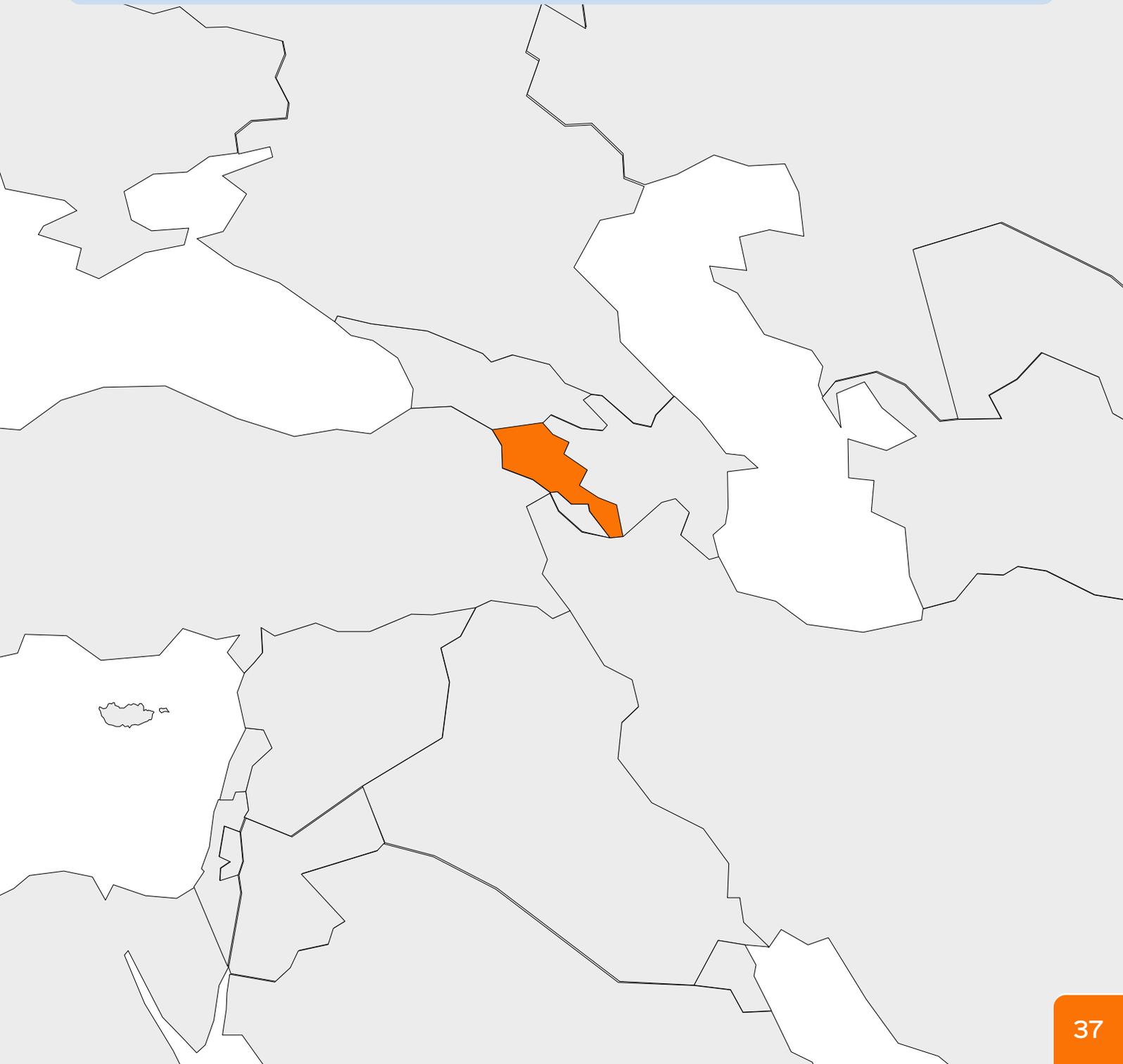
AMLDS Board members at a meeting: L-R: Marine Manukyan, Varoujan Abovian, Zaruhi Ter-Poghosyan, Tamara Galstyan, Gayane Petrosyan, Alvard Avanesyan - AMLDS President.



AMLDS Board members in the lab: L-R: Sevan Iritsyan, Araqsya Hakobyan, Marine Yakhshyan - Executive secretary, Gayane Petrosyan, Alvard Avanesyan - AMLDS President, Varoujan Abovian, Anahit Davtyan, Vahan Gevorgyan



*AMLDS members at a meeting*



# Call for applications for the Prize for Biochemical Analysis

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

The German Society for Clinical Chemistry and Laboratory Medicine (DGKL) awards the “Biochemical Analysis” prize for outstanding scientific work in the field of biochemical and molecular analysis.

The prize is awarded for methodological advances in the field of biochemical and molecular analysis as well as for significant new scientific findings - using modern analytical methods - in the field of biological sciences, in particular clinical chemistry and clinical biochemistry.

The prize money amounts to 50,000 euros and is sponsored by the company Sarstedt. The closing date for entries is 15 April 2024.

All information on the competition can be found on the DGKL website:

<https://www.dgkl.de/en/die-dgkl/awards/preis-fuer-biochemische-analytik/zur-ausschreibung>



# Guatemalan Chemical Biologists' Association National Congress 2023

## Asociación de Químicos Biólogos de Guatemala, AQBG

By **Alba Marina Valdés de García, MSc.**, President of AQBG, and President of the National Congress of Chemical Biologists 2023, and Rosa Sierra-Amor, PhD, Member WG eNews, and Nominations Committee IFCC.



By Alba Marina Valdés de García, MSc., President of AQBG, and President of the National Congress of Chemical Biologists 2023, and Rosa Sierra-Amor, PhD, Member WG eNews, and Nominations Committee IFCC.

**This Congress is a testament to the dedication and passion of our community. “Let’s ensure that the knowledge imparted continues to inspire our professional careers and that of future generations.”**

The ASSOCIATION OF BIOLOGICAL CHEMISTS OF GUATEMALA, AQBG held its congress at the AGEXPORT Convention Center from November 22 to 24, 2023, with the slogan **QB without limits**. It was sponsored by the International Federation of Clinical Chemistry and Laboratory Medicine, IFCC. And with the visiting professor program, IFCC VLP-Abbott, the trip of two colleagues, who participated in the scientific program of the congress, was sponsored. It was also sponsored by the Latin American Confederation of Clinical Biochemistry, COLABIOCLI.

The academic agenda of the activities addressed the main needs and concerns of the professionals of the Clinical Laboratory in our country and were structured by thematic axes with the modality of plenary conferences, forums, round tables with a total of 45 invited speakers. Of these, 33 speakers were national, and international speakers from Mexico, Rosa Sierra-Amor, Israel Parra, Carmen Aláez, Jezabel Vite-Casanova; from Panama, Julio Nieto, Gloria Saucedo, Jessica Alexander, Daniela Porras; from Venezuela, Juan Manuel Núñez; from Colombia, Paula Lozano, and from Argentina, Juan Pablo Grammatico; from Uruguay, Fernando Antúnez. On the first day, conferences were held on the areas of diagnosis, next-generation sequencing in clinical laboratories, intestinal microbiota and mental health, pediatric center experience in the care of patients in the SARSCoV2 pandemic, molecular tools for resistance to antimicrobials, HPV and other syndromic diseases, progress in the diagnosis of pregnancy-associated thrombophilias, microbiome and aflatoxins, evaluation of extended blood smear, and in the area of food and industry food plant zoning, foodborne diseases, main pathogens and emerging diseases, shiga toxin-producing E.coli (STEC), EHEC and determination in food. Immediately after, the opening ceremony of the Congress and the EXPOLAB was held, in which the inaugural lecture given by Dr. José Ramiro Cruz was highlighted, and the President of AQBG MSc

Alba Marina Valdés de García, the president of the MSc Scientific Committee Sofia Duarte and the President of COLABIOCLI Dr. Álvaro Justiniano G. It was attended by presidents of the national entities, highlighting and delegates from COLABIOCLI member countries. A Welcome Cocktail was offered to the attendees who enjoyed marimba music and hors d'oeuvres tasting. During the opening ceremony, COLABIOCLI presented a commemorative plaque to the AQBG for Guatemala's participation in the region and AQBG was recognized as the host of the I COLABIOCLI Regional Meeting on November 21-22, 2023.

On the second day of the congress, forums were held on Autoimmune Hepatitis: diagnosis and innovation, Transfusion safety, impact of the application of new technologies in the diagnosis of



*Dr. Ramiro Cruz, Key Speaker, MSc Alba Marina Valdés de García, President AQBG and presentation of the commemorative plaque by Dr Álvaro Justiniano-Grosz, president of COLABIOCLI.*

*Helicobacter pylori*, experience in the pediatric population, and in the population with gastric cancer. Cardiovascular risk: prevention, diagnosis and monitoring, Application of NGS in cancer diagnosis, Real-time PCR for molecular detection of infectious disease pathogens, Usefulness of genes in rheumatological autoimmune diseases, Leadership and strategic planning, essential competencies for the laboratory of the 21st century, Impact of new technologies on the diagnosis of UTIs. The key to ensuring the validity of patient results. Integrative medicine in the treatment of breast cancer. Industry organized conferences on: The Role of the Chemical Biologist in the Sugar Industry in environmental protection. Food Safety: Good Practices Applied to the Milk Processing Industry, Bromatological Analysis, Mycotoxins, Microbiological and Antibiotic Residues in Poultry, Pig and Shrimp Feed.

Within the framework of the Congress, the First Meeting of Training Units of Biological Chemists was held, with the participation of 20 teaching professionals from 4 universities in Guatemala and the MSc Ricardo Velazco, vice president of the Latin American Network of Training Units for Biochemical Professionals and equivalent degrees in Latin America and the Caribbean and Dr. Carlos Navarro, Coordinator of the Academic, Guild and Management Committee of COLABIOCLI.



*Professors participating in the First Meeting of Training Units of Chemists, Biologists and Biochemists of Guatemala, along with Dr. Carlos Navarro, and MSc. Ricardo Velazco.*

On the third day, the presentation and oral presentation of free papers and the realization of the forum National Technical Regulations -The Contribution of the QB for its compliance and impact on health and the round tables, Chronic Kidney Disease in Guatemala / Role of the Chemist Biologist, Present and future of Chagas disease. And the lectures: Laboratory diagnosis of neonatal fungemia. The laboratory as a support in the transplantation of Hematopoietic Progenitor Cells. The use of nutrients in agriculture and environmental pollution. Chemical contaminants in food and their health consequences. And some issues related to trade unions and professional practice in health: Challenges and opportunities in the export of laboratory services, Health Coaching. The closing lecture **“QB without limits and field of action”** was given by the Vice President of Guatemala, Dr. Karin Larissa Herrera Aguilar, PhD, and the award ceremony was held for the best free works.



*Awarding of the winners of Poster presentations and recognition by the Board of Directors to Dr. José Ramiro Cruz and Dr. Karin Herrera. We are joined by members of the Congress Logistics and AQBG Board of Directors.*

The National Congress of Chemical Biologists 2023 was an unforgettable event that allowed scientific updating and interaction between professionals, establishment of professional links and bonds of friendship with national and international colleagues and the presence of the 27 companies providing services and equipment providing a vision of the advances and innovations in our discipline and that thanks to their valuable collaboration, allowed AQBG to host this scientific event. Each image tells the story of three unforgettable days of learning, collaboration and living together.

# News from Japan Society of Clinical Chemistry (JSCC)

## 2023 JSCC Outstanding Young Investigator Award

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

The Outstanding Young Investigator Award of the Japan Society of Clinical Chemistry (JSCC) is given to person who has made outstanding academic research in clinical chemistry. In 2023, Yasunori Tokuhara, Ph.D. and Kai Kudo, Ph.D. were winners of the Outstanding Young Investigator Award. At the 63rd Annual Meeting of JSCC in Tokyo, Japan from October 27 to 29, 2023. Award winners Dr. Tokuhara and Dr. Kudo were congratulated by Dr. Takashi Miida, President of JSCC for their outstanding work in clinical chemistry. In this issue, we would like to introduce Dr. Tokuhara one of the winners of the Outstanding Young Investigator Award to distribute his outstanding work.

Yasunori Tokuhara, Ph.D. (Department of Medical Technology, Kagawa Prefectural University of Health Sciences) is the winner of the 2023 JSCC Outstanding Young Investigator Award, entitled "Invention of a novel tryptophan colorimetric method".

Tryptophan (Trp) is one of the essential amino acids contained in a lot of foods and is a crucial nutrient for sustaining life. Absorbed within the body, Trp undergoes metabolism into kynurenine, serotonin, and melatonin in various organs, including the liver and brain. It plays a role in vital life activities such as energy production, nerve function, sleep, and immune response. As the significant roles of Trp become increasingly evident, its measurement technique is becoming increasingly important in various situations. Although numerous advanced techniques are accessible for determining Trp and its metabolites, such as high-performance liquid chromatography (HPLC) with mass spectrometry and fluorescence detection, these methods necessitate costly analytical equipment, intricate procedures, and considerable time for preparation and maintenance. In contrast, spectrophotometry offers straightforward handling with inexpensive equipment that requires minimal maintenance. Consequently, it remains a widely adopted method and has installed in many automated biochemical analyzers.

This study aims to establish a novel clinical testing method for the rapid and simple measurement of Trp concentrations, utilizing biochemical automatic analysis equipment available in hospital laboratories. In this investigation, he explored the fundamental aspects of a new approach involving the use of an oxidizing agent to induce coloration for the detection of Trp. Using hydrochloric acid and sodium hypochlorite pentahydrate, which is a strong oxidant, a stable crimson color change in the Trp solution had a unique absorption spectrum with a peak at approximately 520 nm by spectrophotometry. These findings have the potential to contribute to the development of an accurate, rapid, and stable Trp detection method. Dr. Tokuhara aspires to develop a convenient clinical assay for quantifying Trp levels in biological samples in the future.



*Yasunori Tokuhara is the winner of the 2023 JSCC Outstanding Young Investigator Award, entitled "Invention of a novel tryptophan colorimetric method".*

# News from the IFCC Website

Artificial intelligence in the clinical laboratory Implementation, bioethics and legislation

[The On Demand content is now available](#)

**IFCC Live Webinar on  
Artificial intelligence in the clinical laboratory. Implementation,  
bioethics and legislation.**



<p>Moderator</p>	<p>Healthcare Revolution: The Emerging Role of AI in Laboratory Medicine</p>	<p>Exploring the Ethical Landscape of AI-Driven Laboratory Practices</p>	<p>The Complex Interfaces between Law, Ethics, Code, and the use of AI in medicine</p>
			
<p><b>Dr. Julian Verona</b> [Argentina] Biochemist Hospital de Balcarce "Dr. Felipe A. Fossati"</p>	<p><b>Dr. Christopher McCudden</b> [Canada] Clinical Biochemist University of Ottawa</p>	<p><b>Dr. Deniz İlhan Topcu</b> [Türkiye] Medical Doctor İzmir Tepecik Education ve Research Hastanesi</p>	<p><b>Dr. Daniel Gervais</b> [USA] Milton R Underwood Chair in Law Vanderbilt Law School</p>

**Date: March 6, 2024**  
**Time: 9 AM (Eastern Standard), 3 PM (Central European), 10 PM (China Standard)**



Quality system in Labs and accreditation - Challenges of new ISO 15189:2022

**IFCC Live Webinar on  
Quality system in Labs and accreditation - Challenges of new ISO  
15189:2022**



<p>Moderator</p>	<p>ILAC role in accreditation of medical labs around the world</p>	<p>ISO 15189:2022 as a risk based tool for improving quality and competence in laboratory medicine</p>	<p>What is changing in laboratories with new ISO EN 15189:2022: the patient at the heart of medical laboratories concerns</p>
			
<p><b>Prof. Tomáš Zima</b> [Czech Republic] Professor of medical chemistry and biochemistry The First Faculty of Medicine and General University Hospital Prague</p>	<p><b>Dr. Erik Oehlenschlaeger</b> [Denmark] Associate Professor at Haslev and Copenhagen Engineering colleges DANAK</p>	<p><b>Mr. Andrew Griffin</b> [Australia] Sector Manager Legal &amp; Clinical Services NATA</p>	<p><b>Dr. Anne Vassault</b> [France] Ph. D, MSc CEO of ASQUALAB</p>

**Date: March 19, 2024**  
**Time: 8 AM (Eastern Standard), 1 PM (Central European), 8 PM (Beijing)**



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# IFCC's Calendar of Congresses, Conferences & Events

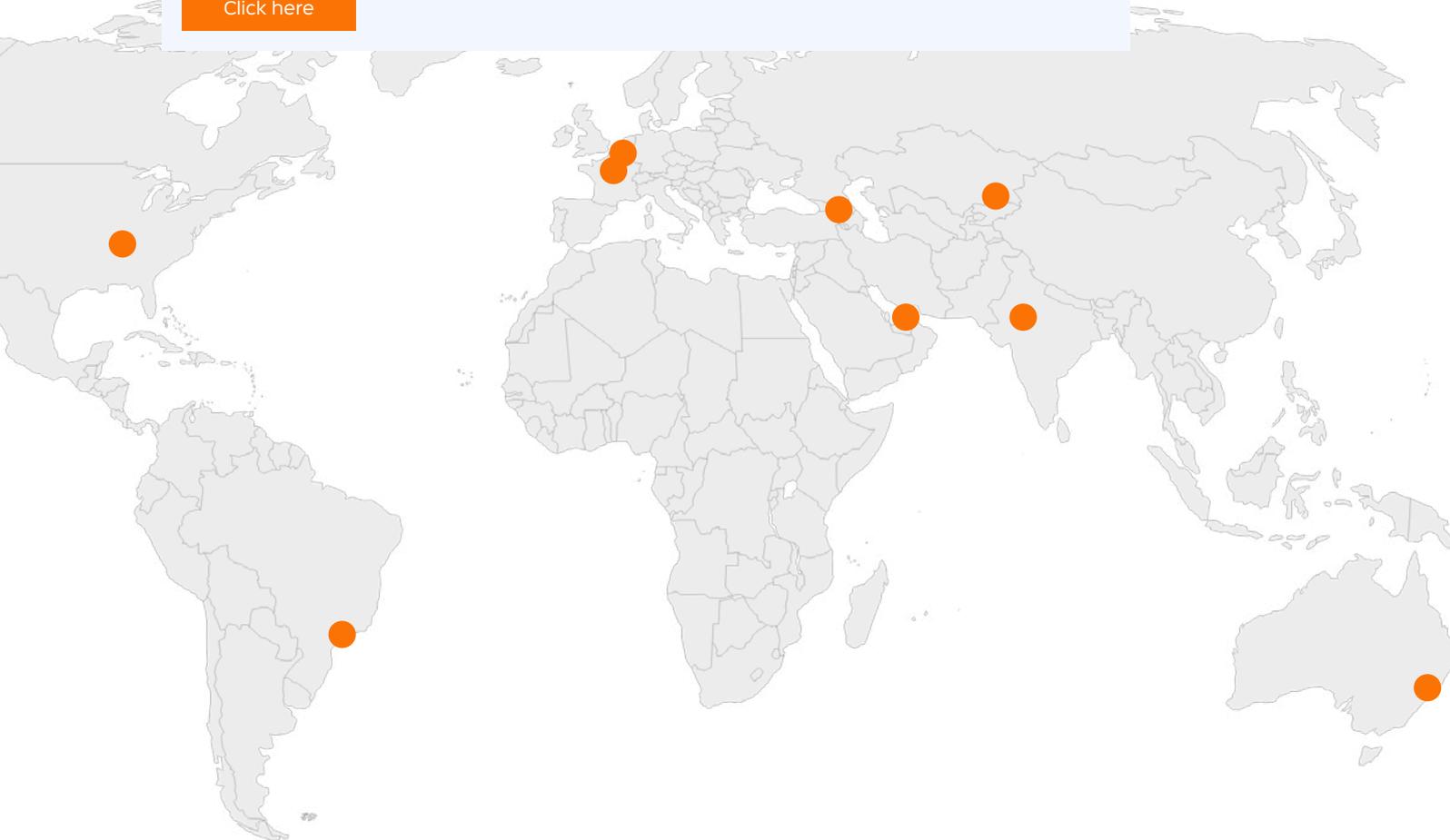
IFCC and Regional Federation Events			
Date		Title	Place
May 26 - Jun 30, 2024		<a href="#">XXVI IFCC WORLDLAB - Dubai 2024</a>	Dubai, UAE
May 26, - Jun 30 2024		<a href="#">AFCB Congress in conjunction with the XXVI IFCC WorldLab Dubai 2024 Congress</a>	Dubai, UAE
Oct 3 - 6, 2024		<a href="#">XXVI COLABIOCLI 2024</a>	Cartagena, CO
October 31 - Nov 3, 2024		<a href="#">APFCB 2024 Sydney</a>	Sidney, AU
May 18 - 22, 2025		<a href="#">XXVI IFCC-EFLM EUROMEDLAB 2025</a>	Brussels, BE
October 25 - 30, 2026		<a href="#">XXVII IFCC WORLDLAB 2026</a>	New Dehli, IN
October 10 - 13, 2027		<a href="#">APFCB 2027 KUALA LUMPUR</a>	Kuala Lumpur, MY

Corporate Member Events with  
IFCC Auspices

Date	Title	Place
Apr 19, 2024	International Symposium on Laboratory	SNIBE, Sao Paulo, BR
Apr 23 - 24, 2024	2024 MIF China	SHENZHEN MINDRAY, CN
Apr 27, 2024	International Symposium on Laboratory	SNIBE, Tbilisi, GE
May 4, 2024	International Symposium on Laboratory	SNIBE, Almaty, KZ
May 7 - Jun 29, 2024	Peripheral blood smear, blood count interpretation, and clinical correlation	Quality Academics, online event
Jun 20, 2024	International Symposium on Laboratory Medicine	SNIBE, Paris, FR
Sep 14, 2024	Inter-QCTopics International seminars on Quality Control : Laboratory screening for infectious agents in blood services: methods and quality control	Quality Academics, 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 Academics, online event, HR

Other events with  
IFCC auspices

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

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- 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)



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 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)  
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**Editor**

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

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N° 5 – May: by mid April

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