



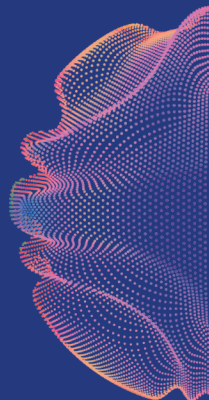
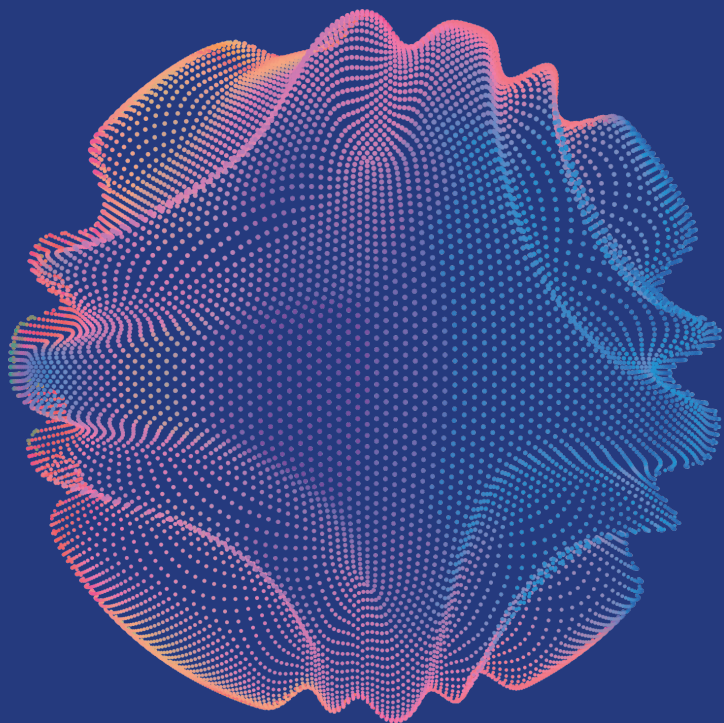
International Federation  
of Clinical Chemistry  
and Laboratory Medicine

An abstract graphic of a globe composed of numerous small, translucent spheres in shades of blue, purple, and pink. The spheres are arranged to form the shape of the Earth, with some appearing to float around it. The background is a deep blue with some lighter, hazy areas.

## IFCC MILESTONES 2022 GOLDEN ACHIEVEMENTS

**"70 Years of Global Leadership in Laboratory Medicine"**

Dedicated to IFCC Global Community and to Promoting  
the Value of Laboratory Medicine



## IFCC MILESTONES 2022 GOLDEN ACHIEVEMENTS

70<sup>th</sup> ANNIVERSARY SPECIAL EDITION

### Acknowledgements:

We thank Dr Alexander Haliassos, President GSCC-CB (GR) and Andronikos Deligiannis, pecorana design studio, for their patience along the many revisions, for the long hours spent formatting this document, and for their thoughtful suggestions.

### Note:

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The numbers in pink colour associated to the title of the functional units correspond to the official IFCC numbering system.





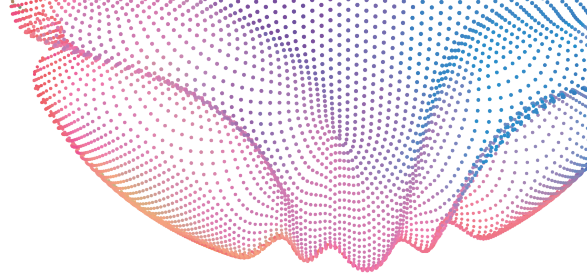
# CONTENTS

|                                                                     |    |
|---------------------------------------------------------------------|----|
| President's Message                                                 | 4  |
| IFCC at the forefront of Lab Medicine and a force for global health | 6  |
| IFCC the Worldwide Leading Organisation                             | 8  |
| IFCC Structure                                                      | 10 |
| Regional Federations                                                | 12 |
| Full Member Societies                                               | 14 |
| Affiliate Member Societies                                          | 18 |
| Corporate Members                                                   | 19 |
| Executive Board (EB)                                                | 22 |
| Cooperation with International Organisations                        | 27 |
| IFCC Distinguished Awards and Medals                                | 29 |
| Task Forces (TF)                                                    | 31 |
| Congresses and Conferences Committee (C-CC)                         | 33 |
| Congresses                                                          | 34 |
| Scientific Division (SD)                                            | 36 |
| Education and Management Division (EMD)                             | 44 |
| Communications and Publications Division (CPD)                      | 50 |
| Emerging Technologies Division (ETD)                                | 55 |
| Task Force for Young Scientists (TF-YS)                             | 57 |
| IFCC Live Webinars Series                                           | 62 |
| Foundation for Emerging Nations (FEN)                               | 64 |



**Prof. Khosrow Adeli**

IFCC President



## THE IFCC CELEBRATES 70 YEARS

The International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) has reached a major milestone this year, celebrating its 70th anniversary with seven decades of contributions to scientific and educational advances in the field of laboratory medicine and in vitro diagnostics around the world. This new edition of the IFCC Milestones Book will take readers on a journey through the past, present, and future of the IFCC organization, revisiting important milestones, recent progress, and prospective plans.

The federation, proposed by Professor E.J. King, was originally established in 1952 as the International Association of Clinical Biochemists under the auspices of the International Union of Pure & Applied Chemistry (IUPAC). In 1955, it was renamed to the International Federation of Clinical Chemistry. IFCC became an independent body in 1967 and was recognised as a non-governmental organisation by the World Health Organisation (WHO). In 1997, the federation's name was updated to International Federation of Clinical Chemistry and Laboratory Medicine. Over the years, IFCC underwent drastic transformation to expand its reach around the globe and become a pillar of the laboratory medicine community. Today, IFCC is the largest international organization in the field of laboratory medicine, linking 95 full member countries, 21 affiliate member countries, 6 regional federations, and 56 corporate members worldwide. The organization represents an important facilitator of education and international scientific exchange in the field and is known for its contributions to development of standards in laboratory diagnostics.

Early on, the main objectives of IFCC were to advance knowledge with a particular focus on standardization of clinically important analytes and advances in quality assurance practices in clinical laboratories around the world. Now, the current strategic plan (2020 - 2023) aims to continue advancing excellence in laboratory medicine for better healthcare worldwide through four main pillars: 1) directly impacting healthcare and patient outcomes, 2) directly contributing to global lab quality, 3) developing evidence on the value and impact of lab medicine in healthcare, and 4) expanding eLearning/distance learning programs worldwide. Main themes that support these pillars include encouraging and supporting a culture of innovation as well as enhancing functional unit productivity. To address these objectives, four new Task Forces were established in 2020, including IFCC Taskforce on Global Newborn Screening (TF-NBS), IFCC Taskforce on Global Lab Quality (TF-GLQ), IFCC Taskforce on Global eLearning/eAcademy (TF-GEL), and IFCC Taskforce on COVID-19. These groups have made significant progress, with programs already underway. For instance, TF-GLQ has recruited an external quality assurance (EQA) company (OneWorldAccuracy) to initiate a pilot program in which EQA samples will be sent to five laboratories in ten countries: Malawi, Zambia, Bosnia, Georgia, Serbia, Sri Lanka, Indonesia, Bolivia, Columbia, Peru. Eventually, the global quality program will be expanded to include other geographical regions and additional laboratory tests. Additionally, TF-NBS has developed a questionnaire to better understand the state of newborn screening worldwide and identify partner regions, and the Task Force on COVID-19 has published interim guidelines on several important practice guidelines on laboratory biosafety as well as on molecular, serological and rapid point-of-care antigen testing for SARS-CoV-2 detection in asymptomatic and symptomatic individuals. Finally, TF-GEL continues to coordinate highly successful Live Webinar Series, globally broadcasting topics in Laboratory Medicine on a



biweekly basis. In 2021, the Task Force on Outcome Studies in Laboratory Medicine (TF-OSLM) and the IFCC Task Force on Global Reference Interval Database (TF-GRID) were also initiated. These Task Forces, alongside others such as the Task Force for Young Scientists (TF-YS), have worked diligently to work towards IFCC's new vision.

Alongside Task Forces, IFCC Divisions should also be recognized for their achievements that have not only contributed to the growth of the IFCC organization but have also had significant impact on advancing the science of laboratory medicine and in vitro diagnostics around the world. The Scientific Division has been working towards advancing science of Clinical Chemistry and Laboratory Medicine through activities of 12 committees and over 30 working groups. Improving standardization is the main focus of this division. Over the past 20 years, they have partnered with international organizations to improve standardization, implemented the concept of metrological traceability in lab medicine, and developed reference methods and reference materials for measurands of clinical significance, alongside many other important accomplishments. The Education and Management Division has been active in fostering education within the IFCC and healthcare communities, directed at scientific, management, and clinical issues. A great example of this is the IFCC-Abbott Visiting Lecturer Programme (VLP), which is a tool to support the international exchange of lecturers and aims to facilitate international education exchanges within IFCC. This division also offers the IFCC Professional Exchange Programme (PEP), providing a small number of scholarships to help young scientists develop high level scientific skills and/or appropriate quality management skills. The Communications and Publications Division is another important group at IFCC, facilitating worldwide communications about the work of the IFCC to clinical laboratory professionals, physicians, and health policy-makers as well as providing continuing education materials and services in printed and electronic forms. This includes oversight for the IFCC website, IFCC eAcademy, and online publications such as the eJournal (eJIFCC) and eNewsletter. Recently, this division supported dissemination of the IFCC Information Guide on COVID-19 along with interim guidelines, providing key information to assist member societies and their clinical laboratories around the world as they faced challenges posed by the COVID-19 outbreak. The Emerging Technologies Division, founded in January 2018, represents the newest division at IFCC. As technology continues to advance at a rapid pace in the field of Clinical Chemistry and Laboratory Medicine, this group has been instrumental in identifying and assessing such emerging technologies for translation from academic laboratories to clinical laboratories and from clinical laboratories to industry market. In the last several years, committees and working groups of this division have published on emerging technologies in pediatric laboratory medicine, clinical validation of various assays, digital diagnostics, artificial intelligence, and precision medicine, among others.

Other great accomplishments in the last few years include the first-ever IFCC virtual conference held in early 2021, which brought together leading experts on a global virtual platform to present the latest advances in COVID-19 diagnostics and therapeutics as well as discuss the critical role of clinical laboratories in the COVID-19 pandemic. In addition to the IFCC Global Conference on COVID-19, IFCC also held the first-ever Annual Town Halls to bring the IFCC community together for the purpose of improving internal communication. In total, four Town Halls were held for Corporate Members; European (EFLM), African (AFCC), and Middle Eastern (AFCB) regions; Asia Pacific (AFPCB) region; and North America (NAFCC) and Central/South America (COLABIOCLI) regions.

As we reflect on 70 years, it is important to recognize the many milestones that IFCC has accomplished, of which there are too many to list here. Moving forward, I strongly believe that the future holds considerable promise for the IFCC organization and its family of national societies and corporate members. The strong foundation built by thousands of IFCC Officers over the past decades as highlighted in this report will ensure the organization's continued journey towards global leadership in laboratory medicine. I would like to thank all of our community members for your dedication and contributions to the IFCC organization over the years, aiding significantly in our progress towards the IFCC vision, which we will most certainly continue for years to come!

Professor Khosrow Adeli  
IFCC President





**Prof. Mathias M. Müller**

Co-Chair IFCC TF on History



**Dr. Bernard Gouget**

Co-Chair IFCC TF on History

## IFCC AT THE FOREFRONT OF LAB MEDICINE AND A FORCE FOR GLOBAL HEALTH

«We always overestimate the change that will occur in the next two years  
and underestimate the change that will occur in the next 10»

Bill Gates

20 years after the first edition of the IFCC milestones (Kobe 2002) and before the publication of the next 70 years IFCC anniversary book, this "IFCC Milestones 2002 - 2022 Golden Achievements" edition is providing an update on the evolution of the IFCC since the beginning of the 21st Century.

We understand human genetic, biology and chemistry much better today than we did even 20 years ago. The world of edge computing, powered by 5G technology unlocks the possibilities of better healthcare outcomes for the patients. Whether we are diagnosing a patient with multiple comorbidities or developing AI-powered biological diagnostic tools to more accurately diagnose conditions that might not be readily apparent to clinicians, the future of sustainable lab medicine and healthcare are now. The technology revolution and emerging digital ethics concerns are transforming our world at an unprecedented velocity. Recently IFCC adopted a new dynamic motto «Advance excellence in laboratory medicine for better healthcare worldwide». It has led important changes in the governance and improvements in line with the recent scientific developments and the new methods of education and communication/information, speeding up the scientific research process to face worldwide health challenges.

IFCC has a long-standing history setting global standards in collaboration with the international organisation. IFCC is also supporting members through scientific or educational efforts and organising conferences and international congresses. Many initiatives have emerged during the last two decades: electronic voting, new Executive Board (EB) composition with the presence of six IFCC Regional Federation representatives to best meet the needs of the membership and Memoranda of Understanding (MoUs) revised for an optimal efficiency. In 2016, the Foundation for Emerging Nations (FEN) was established to supporting programs that help improving the quality and delivery of Laboratory Medicine services, in emerging nations.

IFCC Divisions have undergone many changes incorporating the concept of P6 medicine (Personalised, Predictive, Preventive, Participatory, Psycho-cognitive, Public), a model of highly participatory, narrative, interactive, and “augmented” lab medicine to better interact with the practitioners and the patients. The Scientific Division (SD) beside its core business on reference materials and methods, and standardisation is also focusing on molecular diagnostics as basis of personalised medicine. The Emerging Technologies Division (ETD), recently established, is preparing IFCC workforce to identify and evaluate the disrupting technologies [New Generation Sequencing (NGS), omics, mobile/e-Health and Artificial Intelligence (AI)] and how to deliver the digital future. The Education and Management Division (EMD) is very attentive on what the implications of these changes are for the professional skills required and their consequences for the curricula, education, training, long life learning and quality management. The Communications and Publications Division (CPD) is continuously modernising the website, selecting new e-tools and improving the impact factor of the publications. This division is strongly supporting open access to science resources, as a fundamental part of its mission and a public benefit to be encouraged wherever possible to spread knowledge and allow that knowledge to be built upon. Since its early days, the IFCC has been committed to teaching and transferring the latest knowledge in a spirit of cooperation and communication.. It has fostered an interactive collaborative model based on mutual benefit and the mixing expertises .

In future, we need greater number of professionals to fill the gap of the new LabMed disciplines. Since more than 10 years, the IFCC TF-Young Scientists is attracting brightest students and young professionals. Now, they have the opportunity to play an active role. We would like to congratulate them for their collaborative skills and creativity. It is essential to foster their wish to lead change in Lab medicine and health care.

Over the years, IFCC officers have changed. We would like to thank the worldwide network of volunteers and experts, as well as the corporate members for their commitment and uninterrupted contribution to the growth and development of the Federation. As well, the IFCC office is playing a pivotal role in the success of the business and in and out relationships. We thank them for their secretariat services, hard work and commitment to IFCC.

We are confident that the new “IFCC Milestones” will allow you to learn more about the IFCC, its function and its operations, as well as to better understand the IFCC spirit and mission statement to continue being the leading organisation in the field of laboratory medicine. The IFCC is a force for global health through its pursuit of progress in laboratory medicine by maintaining high standards of scientific and technological excellence paving the way for innovative tools that provide new treatment options and precision medicine. The IFCC is constantly reinventing itself, it is a place where the unknown can become known. It inspires confidence and recognition, it also arouses hope and expectations.

Sincerely Yours,

Prof. Mathias M. Müller

Dr. Bernard Gouget

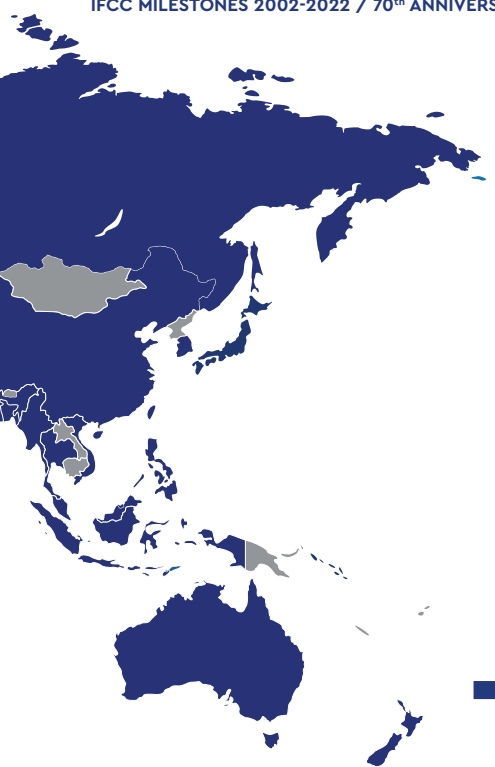


# IFCC

## THE WORLDWIDE LEADING ORGANISATION

### WORLDWIDE MEMBERSHIP

|                                                                                                                         |                                                                                                            |                                                                                                        |                                                                                                    |                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  Albania (AL)                         |  Bulgaria (BG)          |  Denmark (DK)       |  Greece (GR)    |  Israel (IL)     |
|  Algeria (DZ)                         |  Canada (CA)            |  Dominican Rep (DO) |  Guatemala (GT) |  Italy (IT)      |
|  Argentina (AR)                       |  Chile (CL)             |  Ecuador (EC)       |  Hong Kong (HK) |  Japan (JP)      |
|  Australia (AU) &<br>New Zealand (NZ) |  China Beijing (P.R.C.) |  Egypt (EG)         |  Hungary (HU)   |  Jordan (JO)     |
|                                                                                                                         |  China Taipei (R.O.C.)  |  Estonia (EE)       |  Iceland (IS)   |  Kazakhstan (KZ) |
|  Austria (AT)                         |  Colombia (CO)          |  Ethiopia (ET)      |  India (IN)     |  Kenya (KE)      |
|  Belgium (BE)                         |  Croatia (HR)           |  Finland (FI)       |  Indonesia (ID) |  Korea (KR)      |
|  Bolivia (BO)                         |  Cuba (CU)              |  France (FR)        |  Iran (IR)      |  Kosovo (XK)     |
|  Bosnia<br>Herzegovina (BA)           |  Cyprus (CY)            |  Georgia (GE)       |  Iraq (IQ)      |  Latvia (LV)     |
|  Brazil (BR)                          |  Czech Rep (CZ)         |  Germany (DE)       |  Ireland (IE)   |  Lebanon (LB)    |



## AFFILIATE MEMBERS



Brazil



Botswana



China PR



Egypt



France



India



Iran



Jordan



Kazakhstan



Mexico



Nepal



Philippines



Romania



Serbia



Spain



Sri Lanka



Turkey



Ukraine



UAE



Lithuania (LT)



Netherlands (NL)



Poland (PL)



Spain (ES)



United kingdom (UK)



Luxembourg (LU)



Nigeria (NG)



Portugal (PT)



Sri Lanka (LK)



Uruguay (UY)



Lybia (LY)



North Macedonia (MK)



Romania (RO)



Sudan (SD)



USA (US)



Malawi (MW)



Norway (NO)



Russia (RU)



Sweden (SE)



Vietnam (VN)



Malaysia (MY)



Pakistan (PK)



Saudi Arabia (SA)



Switzerland (CH)



Zambia (ZM)



Mexico (MX)



Palestina (PS)



Serbia (SRB)



Syria (SY)



Zimbabwe (ZM)



Montenegro (MNE)



Panama (PA)



Singapore (SG)



Thailand (TH)



Morocco (MA)



Paraguay (PY)



Slovak Rep (SK)



Tunisia (TN)



Myanmar (MM)



Peru (PE)



Slovenia (SI)



Turkey (TR)



Nepal (NP)



Philippines (PH)



South Africa (ZA)



Ukraine (UA)



The aim of the IFCC General Conference is to convene all the IFCC functional units at one time and location, in order to discuss present activities and projects, and to plan and decide on future actions of the organisation. A General Conference is held once during the triennial term of the IFCC Executive Board, usually during the second year.





# IFCC

## Structure & organisation

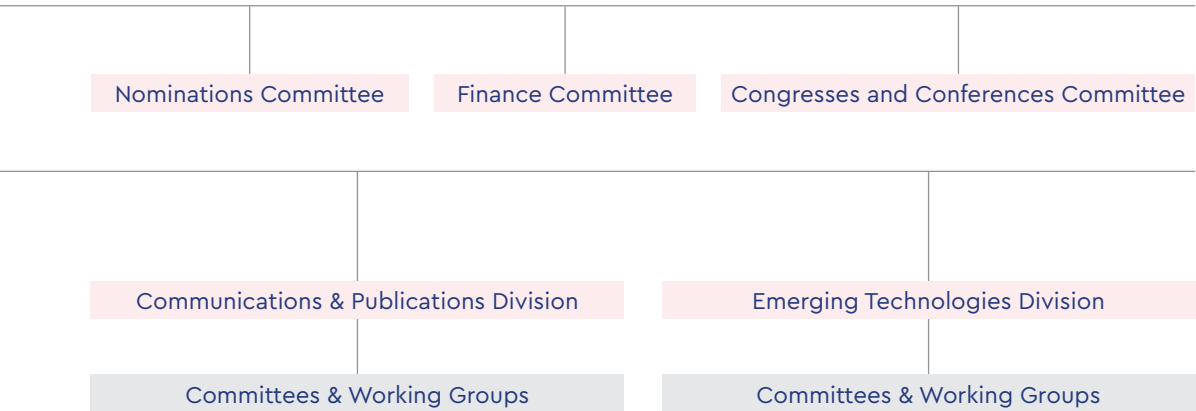
The International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) is a worldwide, non-political organisation for clinical chemistry and laboratory medicine. It has a range of roles that include global standard setting in collaboration with other international organisations, supporting its members through scientific and educational endeavour, and providing a series of congresses, conferences and focused meetings in order for laboratory medicine specialists to meet and present original findings and best practice.

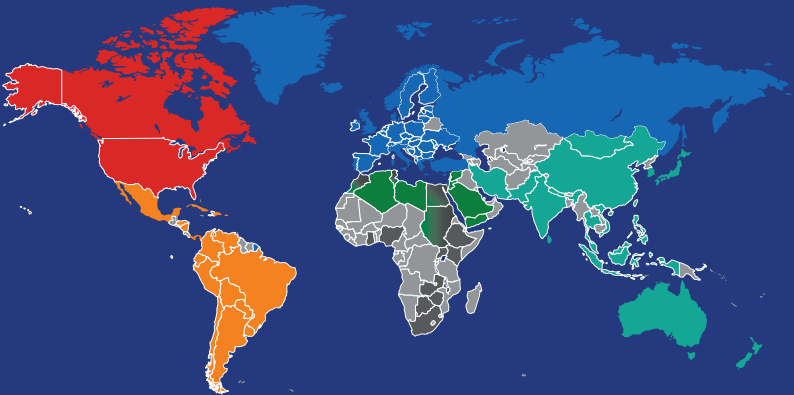
The IFCC relies very heavily on volunteers to run the organisation and to undertake its range of activities and programmes. The IFCC contains three Membership categories :

- Full Members that are recognised and established national societies of clinical chemistry and laboratory medicine.
- Corporate Members, that are individual companies, corporate entities or research establishments concerned with the field of clinical laboratory practice.
- Affiliate Members, that are allied international or national societies or groupings interested in the science and practice of laboratory medicine.

| General Conferences |                   |      |
|---------------------|-------------------|------|
| XIV                 | Brussels (BE)     | 2022 |
| XIII                | Budapest (HU)     | 2018 |
| XII                 | Madrid (ES)       | 2016 |
| XI                  | Kuala Lumpur (MY) | 2012 |
| X                   | Corfu (GR)        | 2010 |
| IX                  | Antalya (TR)      | 2008 |
| VIII                | Sousse (TN)       | 2004 |

The organisational structure of IFCC is illustrated in the figure. The governing body is the Council that consists of one Representative appointed by each Full Member (voting), Affiliate Member, and Corporate Member. It convenes at the triennial International Congress of Clinical Chemistry and Laboratory Medicine. Between Council meetings, the business of IFCC is conducted by the Executive Board that is elected by the Council. Any important questions that arise between Council meetings, such as the admission of new Full Members to the Federation, approval of recommendations, and changes or amendments of statutes are decided by mail ballot of the Full Member Representatives voting on behalf of their societies.





# IFCC

## Regional Federations

There are six Regional Professional Laboratory Medicine Federations considered as IFCC regional partners:

- 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)
- Latin-American Confederation of Clinical Biochemistry (COLABIOCLI)
- North American Federation of Clinical Chemistry and Laboratory Medicine (NAFCC)

A Representative of each Federation is elected in the IFCC Executive Board as IFCC Regional Federation Representative.



### African Federation of Clinical Chemistry (AFCC)

The African Federation of Clinical Chemistry was established in 2009 in Ibadan (Nigeria), representing fifteen countries. The aim of the AFCC is to promote and improve the quality of health care services to communities. This is on-going through improving practices of Clinical Chemistry and Laboratory Medicine through education and scientific exchanges in Africa. Major focus is dedicated to young Scientists through IFCC Programmes.

#### AFCC President

**Prof. Rajiv Timothy Erasmus**  
Dept of Chemical Pathology

Tygerberg, 7505  
South Africa  
[www.afccafrica.org](http://www.afccafrica.org)



ARAB FEDERATION OF  
CLINICAL BIOLOGY  
AFCB

### Arab Federation of Clinical Biology (AFCB)

The Arab Federation of Clinical Biology (AFCB) was established in 1974 in Egypt and represents twelve countries. The AFCB is managed by its Executive Board (EB), elected every three years.

Its aim is to tighten relationships between all the member societies working in the field of clinical laboratory in the Arabic world.

#### AFCB President

**Dr. Osama Najjar**

General Director of Allied Health Professions Ministry of Health (MOH)

Palestine  
[www.afcbforyou.org](http://www.afcbforyou.org)



**ASIA-PACIFIC FEDERATION FOR CLINICAL BIOCHEMISTRY  
AND LABORATORY MEDICINE**

### Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB)

The Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB) was established in 1978. The APFCB is the largest of the six regional Federations of clinical chemistry and laboratory medicine; it is composed by 18 full Ordinary Members, 6 Affiliate Members and 18 Corporate Members. The APFCB has close partnership and collaboration with eighteen in-vitro diagnostic companies, comprising global multinational, regional and local companies.

#### APFCB President

**Prof. Sunil Sethi**

Department of Laboratory Medicine

National University Hospital

Singapore 119074

[www.apfcb.org](http://www.apfcb.org)



**COLABIOCLI**

### Latin-American Confederation of Clinical Biochemistry (COLABIOCLI)

The Latin American Confederation of Clinical Biochemistry, COLABIOCLI, was conceived in 1968 in Mar del Plata (Argentina) and officially established in 1973, during the II Congress of Biochemistry in Porto Alegre, Brazil. Twenty-one national societies are today its members. One of the main objectives is to give support to the programmes of continuous quality. Many of the activities are supported by PAHO/WHO.

#### COLABIOCLI President

**Dr. Alvaro Justiniano Grosz**

Cochabamba - Bolivia

[www.colabiocli.com](http://www.colabiocli.com)

**EFLM**

EUROPEAN FEDERATION OF CLINICAL CHEMISTRY  
AND LABORATORY MEDICINE

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

In 2007, the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM formerly EFCC) was formed by the merger of FESCC (Forum of European Societies of Clinical Chemistry) and EC4 (European Communities Confederation of Clinical Chemistry). EFLM connects forty full members Societies and four Affiliate members, creating a European platform for all specialists in Laboratory Medicine.

#### EFLM President

**Prof. Tomris Ozben**

Department of Medical Laboratory Diagnostics

Akdeniz University - Medical Faculty

Department of Clinical Biochemistry

Antalya - Turkey

[www.eflm.eu](http://www.eflm.eu)

**NAFCC**

North American Federation of  
Clinical Chemistry & Laboratory Medicine

### North American Federation of Clinical Chemistry and Laboratory Medicine (NAFCC)

The North American Federation of Clinical Chemistry and Laboratory Medicine (NAFCC) was formed in December of 2014, representing the American Association for Clinical Chemistry (AACC) and the Canadian Society of Clinical Chemists (CSCC), both member societies of the IFCC. The NAFCC was recognised by the IFCC in February of 2015. The NAFCC was formed in response to changes to the structure of the IFCC Executive Board (EB) to allow each Federation to nominate a member to the EB, thus providing for regional representation of all IFCC member societies on the EB.

#### NAFCC Representative

**Dr. Stephen Hill**

Department of Pathology and Molecular Medicine

McMaster University

Hamilton, ON, Canada

### **Albania (AL)**

Albanian Society of Clinical Biochemistry and Laboratory Medicine (ASoLaM)

Prof. Asc. Anyla Bulo (Kasneci)

[www.asolam.org](http://www.asolam.org)

### **Algeria (DZ)**

Société Algérienne de Biologie Clinique (SABC)

Prof. Imessaoudene Belaid

### **Argentina (AR)**

Confederación Unificada Bioquímica de la Republica Argentina (CUBRA)

Dr. María Cecilia López

[www.cubra.info](http://www.cubra.info)

### **Australia and New Zealand (AU/NZ)**

Australasian Association of Clinical Biochemists (AACB)

Dr. Tina Yen

[www.aacb.asn.au](http://www.aacb.asn.au)

### **Austria (AT)**

Austrian Society of Laboratory Medicine and Clinical Chemistry (ÖGLMKC)

Univ. Prof. Dr. Andrea Griesmacher

[www.oeglmkc.at](http://www.oeglmkc.at)

### **Belgium (BE)**

Royal Belgian Society of Laboratory Medicine (RBSLM)

Prof. Dr. Joris Delanghe

[www.rbslm.be](http://www.rbslm.be)

### **Bolivia (BO)**

Sociedad Boliviana de Bioquímica Clínica

Dr. Alvaro Justiniano Grosz

[www.sobobiocli.com](http://www.sobobiocli.com)

### **Bosnia Herzegovina (BA)**

Association of Medical Biochemists in Bosnia-Herzegovina

Dr.Sci. Chem. Jozo Coric

[www.umbbih.ba](http://www.umbbih.ba)

### **Brazil (BR)**

Sociedade Brasileira de Análises Clínicas (SBAC)

Dr. Maria Elizabeth Menezes

[www.sbac.org.br](http://www.sbac.org.br)

### **Bulgaria (BG)**

Bulgarian Society of Clinical Laboratory

Assoc. Prof. Dr. Yana Bocheva

[www.bscl.eu](http://www.bscl.eu)

### **Canada (CA)**

Canadian Society of Clinical Chemists (CSCC)

Société Canadienne de Clinico-Chimistes

Dr. Allison Venner

[www.csc.ca](http://www.csc.ca)

### **Chile (CL)**

Sociedad Chilena de Química Clínica (SCHQC)

Dr. Eduardo Aranda

[www.schqc.cl](http://www.schqc.cl)

### **China (CN) - People's Republic of China (PRC) - Beijing**

Chinese Society of Laboratory Medicine (CSLM)

Dr. Ming Guan

[www.cslm.org.cn](http://www.cslm.org.cn)

### **China (TW) - Republic of China (ROC) - Taiwan**

Chinese Association for Clinical Biochemistry

Dr. Woei-horng Fang

[www.cacb.org.tw](http://www.cacb.org.tw)

### **Colombia (CO)**

Colegio Nacional de Bacteriología CNB - Colombia

Dr. Marlene Velez de la Vega

[www.cnbcolombia.org](http://www.cnbcolombia.org)

### **Croatia (HR)**

Croatian Society of Medical Biochemistry and Laboratory Medicine

Dr. Jasna Lenicek Krleza

[www.hdmbilm.hr](http://www.hdmbilm.hr)

### **Cuba (CU)**

Cuban Society of Clinical Pathologists

Dr. Manuel Morejon Campa

[www.sld.cu/uvs/patologiaclinica](http://www.sld.cu/uvs/patologiaclinica)

### **Cyprus (CY)**

Association of Clinical Laboratory Directors, Biomedical and Clinical Laboratory Scientists

Ms. Spyroula Christou

[www.aclyprus.org](http://www.aclyprus.org)

### **Czech Republic (CZ)**

Czech Society of Clinical Biochemistry (CSKB)

Dr. Richard Píkner

[www.cskb.cz](http://www.cskb.cz)

### **Denmark (DK)**

Danish Society of Clinical Biochemistry (DSKB)

Dr. Mads Nybo

[www.dskb.dk](http://www.dskb.dk)

### **Dominican Republic (DO)**

Colegio Dominicano de Bionistas (CODOBIO)

Mtra. Rita Yomaris Solís Tejeda

[www.codobio.com.do](http://www.codobio.com.do)

### **Ecuador (EC)**

Sociedad Ecuatoriana de Bioquímica Clínica (SEBIOCLI)

Dr. Eduardo Mayorga

[www.sebiocli-ec.org](http://www.sebiocli-ec.org)

**Egypt (EG)**

The Egyptian Society of Clinical Chemistry and Clinical Laboratory Sciences (ESCC)  
Prof. Mohamed Shaarawy  
[www.escc-eg.org](http://www.escc-eg.org)

**Estonia (EE)**

Estonian Society for Laboratory Medicine  
Dr. Karel Tomberg  
[www.elmy.ee](http://www.elmy.ee)

**Ethiopia (ET)**

Ethiopian Medical Laboratory Association (EMLA)  
Dr. Berhanu Seyoum  
[www.emlaeth.org](http://www.emlaeth.org)

**Finland (FI)**

Finnish Society of Clinical Chemistry (SKKY)  
Prof. Päivi H Laitinen  
[www.skky.fi](http://www.skky.fi)

**France (FR)**

Société Française de Biologie Clinique (SFBC)  
Prof. Philippe Gillery  
[www.sfbc-asso.fr](http://www.sfbc-asso.fr)

**Georgia (GE)**

Laboratory Medicine Association of Georgia (GLMA)  
Dr. Maia Khutsishvili

**Germany (DE)**

Deutsche Gesellschaft für Klinische Chemie und Laboratoriumsmedizin e.V. (DGKL)  
Prof. Dr. Mariam Klouche  
[www.dgkl.de](http://www.dgkl.de)

**Greece (GR)**

Greek Society of Clinical Chemistry - Clinical Biochemistry (GSCC-CB)  
Dr. Alexander Haliassos  
[www.eekx-kb.gr](http://www.eekx-kb.gr)

**Guatemala (GT)**

Asociación de Químicos Biólogos de Guatemala  
Dr. Alba Marina Valdes de García  
[www.aqbg.org](http://www.aqbg.org)

**Hong Kong (HK)**

Hong Kong Society of Clinical Chemistry (HKSCC)  
Dr. Iris HS CHAN  
[www.medicine.org.hk/hksccl](http://www.medicine.org.hk/hksccl)

**Hungary (HU)**

Hungarian Society of Laboratory Medicine (MLDT)  
Dr. Ágnes Péterfalvi  
[www.mldt.hu](http://www.mldt.hu)

**Iceland (IS)**

The Icelandic Society for Laboratory Medicine  
Dr. Leifur Fransson  
[www.fklli.hi.is](http://www.fklli.hi.is)

**India (IN)**

Association of Clinical Biochemists of India (ACBI)  
Dr. Rajiv R Sinha  
[www.acbindia.org](http://www.acbindia.org)

**Indonesia (ID)**

Indonesian Association for Clinical Chemistry (HKKI)  
Dr. Sri Paulani  
[www.hkki.org](http://www.hkki.org)

**Iran (IR)**

Biochemical Society of Islamic Republic of Iran  
Dr. Siamak Salami  
[www.biochemiran.com](http://www.biochemiran.com)

**Iraq (IQ)**

Iraqi Society of Molecular Biology and Genetics ISMBG  
Dr. Mohammad I. Mezaal Atheab  
[www.ismbg.org](http://www.ismbg.org)

**Ireland (IE)**

Association of Clinical Biochemists in Ireland (ACBI)  
Dr. Jennifer Brady  
[www.acbi.ie](http://www.acbi.ie)

**Israel (IL)**

Israel Society for Clinical Laboratory Science  
Dr. Marielle Kaplan  
[www.ilmar.org.il](http://www.ilmar.org.il)

**Italy (IT)**

Italian Society of Clinical Chemistry and Clinical Molecular Biology (SIBioc)  
Prof. Sergio Bernardini  
[www.sibioc.it](http://www.sibioc.it)

**Japan (JP)**

Japan Society of Clinical Chemistry (JSCC)  
Prof. Takashi Miida  
[www.jsccl-jp.gr.jp](http://www.jsccl-jp.gr.jp)

**Jordan (JO)**

Jordan Society for Medical Laboratory Sciences  
Prof. Dr. Yousif Y. Bilto

**Kazakhstan (KZ)**

Kazakhstan Association of Medical Laboratory Diagnostic (KAMLd)  
Dr. Saken Rustemov  
[www.kamlcl.kz](http://www.kamlcl.kz)

**Kenya (KE)**

Clinical Chemists Association of Kenya  
Dr. Angela Amayo

**Korea (KR)**

Korean Society of Clinical Chemistry (KSCC)  
Dr. Jehoon Lee  
[www.ksccl.or.kr](http://www.ksccl.or.kr)

**Kosovo (XK)**

Kosova Association of Clinical Chemistry - KACC  
Dr. Gramos Begolli



**Latvia (LV)**

Latvian Society of Laboratory Specialists (LLSB)  
Dr. Dagne Gravele  
[www.llsb.lv](http://www.llsb.lv)

**Lebanon (LB)**

Lebanese Society of Clinical Biology - Syndicat des Biologistes du Liban  
Dr. Christian Al Haddad  
[www.sdbliban.org](http://www.sdbliban.org)

**Lithuania (LT)**

Lithuanian Society of Laboratory Medicine  
Dr. Dalius Vitkus  
[www.liml.lt/en](http://www.liml.lt/en)

**Luxembourg (LU)**

Société Luxembourgeoise de Biologie Clinique  
Dr. Danielle Meunier  
[www.slbc.lu](http://www.slbc.lu)

**Lybia (LY)**

Libyan Association of Clinical Pathology (LACP)  
Dr. Aisha Nasef

**Malawi (MW)**

Malawi Association of Medical Laboratory Scientists (MAMLS)  
Dr. Jones Kadewere  
[www.mamls.mw](http://www.mamls.mw)

**Malaysia (MY)**

Malaysian Association of Clinical Biochemists (MACB)  
Dr. Raja Elina Raja Aziddin  
[www.macb.org.my](http://www.macb.org.my)

**Mexico (MX)**

Mexican Association of Clinical Laboratory Sciences  
Dr. José Francisco Muñoz-Valle  
[www.cmclabc.org](http://www.cmclabc.org)

**Montenegro (MNE)**

Montenegrin Association of Clinical Chemistry and Laboratory Medicine  
Dr. Tanja Antunovic

**Morocco (MA)**

Société Marocaine de Chimie Clinique (SMCC)  
Prof. Layachi Chabraoui  
[www.smccbm.org](http://www.smccbm.org)

**Myanmar (MM)**

Myanmar Medical Technologists Association – MMTA  
Prof. Win Min Than

**Nepal (NP)**

Nepal Association for Medical Laboratory Science (NAMLS)  
Asst. Prof. Khelananda Prasad Singh (K.P. Singh)

**Netherlands (NL)**

Nederlandse Vereniging voor Klinische Chemie en Laboratoriumgeneeskunde (NVKC)  
Dr. M.G.L.M. Marc Elisen  
[www.nvkc.nl](http://www.nvkc.nl)

**Nigeria (NG)**

Association of Clinical Chemists Nigeria (ACCN)  
Dr. Henry Chima Okpara  
[www.accnigeria.org](http://www.accnigeria.org)

**North Macedonia (MK)**

Macedonian Society of Medical Biochemistry and Laboratory Medicine (MSMBLM)  
Ass. Prof. Katerina Tosheska Trajkovska  
[www.mzmbim.org.mk](http://www.mzmbim.org.mk)

**Norway (NO)**

Norsk Selskap for Medisinsk Biokjemi (NSMB) Norwegian Society of Medical Biochemistry  
Dr. Anne-Lise Bjørke Monsen  
[www.legeforeningen.no/nsmb](http://www.legeforeningen.no/nsmb)

**Pakistan (PK)**

Pakistan Society of Chemical Pathologists  
Dr. Aysha Habib Khan  
[www.pscp.org.pk](http://www.pscp.org.pk)

**Palestine (PS)**

Palestinian Medical Technology Association (PMTA)  
Dr. Osama Najjar  
[www.palmta.org](http://www.palmta.org)

**Panama (PA)**

Colegio Nacional de Laboratoristas Clínicos de Panamá  
Licda. Damaris Giselle De La Torre  
[www.conalac.com.pa](http://www.conalac.com.pa)

**Paraguay (PY)**

Asociación de Bioquímicos del Paraguay (ABP)  
Dra. Natalie Weiler  
[www.abp.org.py](http://www.abp.org.py)

**Peru (PE)**

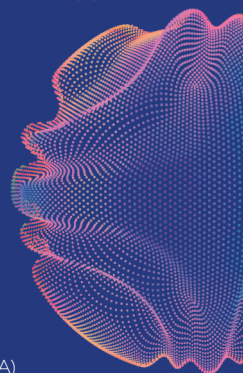
Peruvian Medical Association of Clinical Pathology  
Dr. Luis Edgardo Figueroa Montes  
[www.patologiaclinica.pe](http://www.patologiaclinica.pe)

**Philippines (PH)**

The Philippine Association of Medical Technologists - PAMET  
Mr. Ronaldo E. Puno  
[www.pametinc.org](http://www.pametinc.org)

**Poland (PT)**

Polish Society for Laboratory Diagnostics (PTDL)  
Prof. Grazyna Sypniewska  
[www.ptdl.pl](http://www.ptdl.pl)

**Portugal (PT)**

Sociedade Portuguesa de Química Clínica, Genética e Medicina Laboratorial (SPML)  
Dr. Henrique Reguengo  
[www.spml.pt](http://www.spml.pt)

**Romania (RO)**

Romanian Association of Laboratory Medicine (RALM)  
Dr. Cristina Mambet  
[www.almr.ro](http://www.almr.ro)

**Russia (RU)**

Association of Laboratory Specialists and Organisations «Federation of laboratory medicine» (FLM)  
Prof. Andrey Mikhailovich Ivanov  
[www.fedlab.ru](http://www.fedlab.ru)

**Saudi Arabia (SA)**

Saudi Association for Clinical Chemistry  
Dr. Anwar Borai  
[www.sccc-sa.org](http://www.sccc-sa.org)

**Serbia (SRB)**

Society of Medical Biochemists of Serbia (DMBS)  
Prof. Nada Majkic-Singh  
[www.dmbj.org.rs](http://www.dmbj.org.rs)

**Singapore (SG)**

Singapore Association of Clinical Biochemists  
Prof. Sunil Kumar Sethi  
[www.sacb.org.sg](http://www.sacb.org.sg)

**Slovak Republic (SK)**

Slovak Society of Clinical Biochemistry (SSKB)  
Ing. Jan Balla  
[www.sskb.sk](http://www.sskb.sk)

**Slovenia (SI)**

Slovenian Association for Clinical Chemistry and Laboratory Medicine (SZKKLM)  
Dr. Blaž Krhin  
[www.szkklm.si](http://www.szkklm.si)

**South Africa (ZA)**

South African Association of Clinical Biochemistry (SAACB)  
Prof. Tahir Pillay  
[www.saclinpath.co.za](http://www.saclinpath.co.za)

**Spain (ES)**

Sociedad Española de Medicina de Laboratorio (SEQCML)  
Dr. Mercedes Ibarz Escuer  
[www.seqc.es](http://www.seqc.es)

**Sri Lanka (LK)**

Association for Clinical Biochemistry, Sri Lanka  
Dr. B. K. T. P. Dayanath

**Sudan (SD)**

Sudanese Society of Clinical Biology  
Prof. Imad Fadl-elmula

**Sweden (SE)**

Swedish Society for Clinical Chemistry  
Dr. Per Bjellerup  
[www.klinisk kemi.org](http://www.klinisk kemi.org)

**Switzerland (CH)**

Swiss Society of Clinical Chemistry  
Prof. Martin Hersberger  
[www.sccc.ch](http://www.sccc.ch)

**Syrian Arab Republic (SY)**

Syrian Clinical Laboratory Association (SCLA)  
Dr. Adnan Al-Khatib

**Thailand (TH)**

Thailand Association of Clinical Biochemistry  
Prof. Phannee Pidetch

**Tunisia (TN)**

Société Tunisienne de Biologie Clinique (STBC)  
Dr. Manel Chaabane  
[www.stbc.org.tn](http://www.stbc.org.tn)

**Turkey (TR)**

Turkish Biochemical Society (TBS)  
Prof. Diler Aslan  
[www.turkbiyokimyadernegi.org.tr](http://www.turkbiyokimyadernegi.org.tr)

**Ukraine (UA)**

Association of Clinical Chemistry and Laboratory Medicine of Ukraine - ACCLMU  
Prof. Sergiy Klymenko  
[www.acclmu.org.ua/en/about](http://www.acclmu.org.ua/en/about)

**United Kingdom (UK)**

The Association for Clinical Biochemistry & Laboratory Medicine (ACB)  
Dr. Bernie Croal  
[www.acb.org.uk](http://www.acb.org.uk)

**United States (US)**

American Association for Clinical Chemistry (AACC)  
Dr. Loretta Doan  
[www.aacc.org](http://www.aacc.org)

**Uruguay (UY)**

Asociación Bioquímica Uruguaya (ABU)  
Prof. Stella Raymondo  
[www.asociacionbioquimicauruguay.org](http://www.asociacionbioquimicauruguay.org)

**Vietnam (VN)**

Vietnamese Association of Clinical Biochemists (VACB)  
Prof. Hoang Van Son

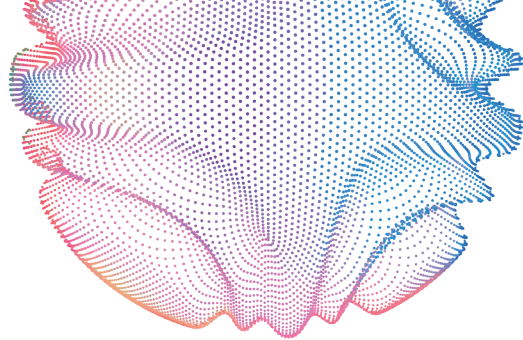
**Zambia (ZM)**

Biomedical Society of Zambia (BSZ)  
Dr. Mutale Mubanga  
[www.biomedicalsocietyofzambia.org](http://www.biomedicalsocietyofzambia.org)

**Zimbabwe (ZW)**

Zimbabwe Association of Clinical Biochemists (ZACB)  
Prof. HT Matarira

# AFFILIATE MEMBER SOCIETIES



## **Botswana**

Botswana Institute of Clinical Laboratory Professionals  
Dr. Z Matshediso

## **Brazil**

Sociedade Brasileira de Patologia Clínica / Medicina  
Laboratorial (SBPC/ML)  
Dr. Fabio Vasconcellos Brazão  
[www.sbpcc.org.br](http://www.sbpcc.org.br)

## **China Beijing**

Lab Medicine Committee, China Association of Medical  
Equipment  
Dr. Xuzhen Qin

## **Egypt**

Egyptian Association of Healthcare Quality and Patient  
Safety  
Dr. Rania Mohamed El Sharkawy

## **France**

LABAC - French National Network of accredited  
Laboratories of Medical Biology  
Dr. Jean-Marc Giannoli  
[www.labac.eu](http://www.labac.eu)

## **India**

Association of Medical Biochemists of India (AMBI)  
Dr. Shanthi Naidu Kamatham  
[www.ambi.co.in](http://www.ambi.co.in)

## **Iran**

Iranian Association of Clinical Laboratory Doctors (IACLD)  
Dr. Seyyed Mehdi Boutorabi  
[www.iacld.ir](http://www.iacld.ir)

## **Jordan**

Society for Medical Technology & Laboratories  
Dr. Reem Jamil Abu-Ihmaid

## **Kazakhstan**

Public Association - Federation of Laboratory Medicine  
(FLM)  
Dr. Zhanar Nurlanovna  
[www.flm.kz](http://www.flm.kz)

## **Mexico**

Federación Nacional de Químicos Clínicos (CONAQUIC A.C.)  
Quim. Olga Delí Vázquez Paulino  
[www.conaquic.com](http://www.conaquic.com)

## **Nepal**

Nepalese Association for Clinical Chemistry  
Dr. Ram Vinod Mahato  
[www.nacc.org.np](http://www.nacc.org.np)

## **Philippines**

Philippine Council for Quality Assurance in Clinical  
Laboratories (PCQACL)  
Dr. Elizabeth Y. Arcellana-Nuqui, MD, FPSP  
[www.pcqacl.com](http://www.pcqacl.com)

## **Romania**

Order of the Biochemists, Biologists, Chemists in  
Romanian Health System (OBBCSSR)  
Dr. Constanta Popa  
[www.obbcssr.ro/](http://www.obbcssr.ro/)

## **Serbia**

Serbian Society for Clinical Laboratory Medicine and  
Science (SCLM)  
Asst Prof. Sanja Stankovic

## **Spain**

Asociación Española del Laboratorio Clínico (AEFA)  
Dr. Antonio Rider Pérez  
[www.aefa.es](http://www.aefa.es)

## **Spain**

Sociedad Andaluza de Análisis Clínicos (SANAC)  
Andalusian Society of Clinical Analysis  
Dr. Cristóbal Avivar Oyonarte  
[www.sanac.org](http://www.sanac.org)

## **Spain**

Asociación Española de Biopatología Médica- Medicina de  
Laboratorio (AEBM-ML)  
Spanish Association of Medical Biopathology-Laboratory  
Medicine  
Dra. María S. Pacheco Delgado  
[www.aebm.org/](http://www.aebm.org/)

## **Sri Lanka**

College of Chemical Pathologists of Sri Lanka (CCPSL)  
Dr. Kisali Hirimuthugoda  
[www.ccpsrilanka.com](http://www.ccpsrilanka.com)

## **Turkey**

Society of Clinical Biochemistry Specialists (KBUD)  
Prof. Dr. Necip Ilhan  
[www.kbud.org.tr](http://www.kbud.org.tr)

## **Ukraine**

Association for Quality Assurance of Laboratory Medicine  
- AQALM  
Dr. Volodymyr Saganenko

## **United Arab Emirates**

Genetic Diseases Association (UAEGDA)  
H E Dr. Maryam Mohamed Fatma Matar



**Mr. Joseph Passarelli**

EB-CM representative

## CORPORATE MEMBERS

The Federation offers membership to any corporation active in the field of clinical chemistry. This has proven a very productive means of communication between the professionals, professional societies and specialised industry.

The Corporate Members elect their own representative to the Executive Board.

Each Corporate Member nominates a representative to IFCC who can participate at Council meetings and is the direct link to the Corporate Representative in the Executive Board.

The Corporate Members have a delegate at the Executive Committee of each IFCC Division, presently Scientific Division, Emerging Technologies Division, Education and Management Division, Communications and Publications Division and the Congresses and Conferences Committee. Delegates of Corporate Members can participate at any Committee and Working Group as corresponding members and receive all documents. By participating in the work of IFCC the Corporate Members have the real opportunity to take initiatives in, advice on and influence early in the long process of creating standards and recommendations which might guide their future business.

Application for membership can be made through the Corporate Representative or the IFCC Office ([ifcc@ifcc.org](mailto:ifcc@ifcc.org))

The named Corporate Member representatives have been appointed to facilitate liaison with IFCC. For general inquiries to a listed Corporate Member it is recommended to use the listed website as the first point of contact.

**Abbott**

Abbott Park, IL 60064 USA  
[www.abbott.com](http://www.abbott.com)

**Agappe Diagnostics Ltd**

Kerala 683 562 India  
[www.agappe.com](http://www.agappe.com)

**Arkay, Inc.**

Kyoto 602-0008 Japan  
[www.arkay.co.jp/english/](http://www.arkay.co.jp/english/)

**Asahi Kasei Pharma Corporation**

Shizuoka 410-2321 Japan  
[www.asahi-kasei.co.jp/asahi/en/index.html](http://www.asahi-kasei.co.jp/asahi/en/index.html)

**Autobio Diagnostics Co. Ltd.**

Zhengzhou 4500016 China P.R.  
<https://en.autobio.com/cn/>

**BD Life Sciences – Preanalytical Systems**

Wokingham, Berkshire RG41 5TS – UK  
[www.bd.com](http://www.bd.com)

**Beckman Coulter, Inc.**

93420 Villepinte France  
[www.beckmancoulter.com](http://www.beckmancoulter.com)

**The Binding Site Group, Ltd.**

Birmingham, B15 1QT UK  
[www.bindingsite.com](http://www.bindingsite.com)

**Bio-Rad Laboratories**

92430 Marnes-la-Coquette France  
[www.bio-rad.com](http://www.bio-rad.com)

**Biomasterclin Laboratorios Venezuela**

Valencia Edo Carabobo  
2001 Venezuela  
[www.biomasterclin.com](http://www.biomasterclin.com)

**C.P.M. Diagnostic Research SAS**

00060 Formello (Roma) Italy  
[www.cpmisas.it](http://www.cpmisas.it)

**Diagnostic Stago**

92665 Asnières sur Seine Cedex France  
[www.stago.com](http://www.stago.com)

**DiaSorin SpA**

13040 Valuggia (VC) Italy  
[www.diasoringroup.com](http://www.diasoringroup.com)

**Diasys**

D-65558 Holzheim Germany  
[www.diasys-diagnostics.com](http://www.diasys-diagnostics.com)

**ET Healthcare Inc.**

Palo Alto, CA 94303 - USA  
[www.ethealthcare.com.cn](http://www.ethealthcare.com.cn)

**Fujifilm Wako Pure Chemical Corporation**

Chuo-ku, Tokyo 103-0023 Japan  
[www.wako-chem.co.jp](http://www.wako-chem.co.jp)

**Fujirebio Europe**

9052 Zwijnaarde (Gent) Belgium  
[www.fujirebio-europe.com](http://www.fujirebio-europe.com)

**Gentian AS**

N-1596 Moss Norway  
[www.gentian.no](http://www.gentian.no)

**Helena Biosciences Europe**

Gateshead - Tyne and Wear  
NE11 0SD – UK  
[www.helena-biosciences.com](http://www.helena-biosciences.com)

**Hemas Hospitals (PVT) Ltd.**

Sri Lanka  
[www.hemashospitals.com](http://www.hemashospitals.com)

**HyTest Ltd.**

20520 Turku Finland  
[www.hytest.fi](http://www.hytest.fi)

**Immunodiagnostic Systems - IDS**

Boldon, Tyne and Wear  
NE35 9PD UK  
[www.idsplc.com](http://www.idsplc.com)

**Instrumentation Laboratory**

Bedford MA 01730 USA  
[www.instrumentationlaboratory.com](http://www.instrumentationlaboratory.com)

**Jiangsu BioPerfectus Technologies Co., Ltd.**

Shanghai 201114 P.R. China  
[www.bioperfectus.com](http://www.bioperfectus.com)

**Labor Dr. Wisplinghoff**

50858 Köln-Marsdorf Germany  
[www.wisplinghoff.de/en](http://www.wisplinghoff.de/en)  
**Labtronic**  
59 Kunayev Ave. - Office 310 Kazakhstan  
[www.labtronic.me](http://www.labtronic.me)  
[www.labtronic.eu](http://www.labtronic.eu)

**LumiraDx**

Stirling FK9 5QD UK  
[www.lumiradx.com](http://www.lumiradx.com)

**Maccura Biotechnology**

Chengdu 611731 P.R. China  
[www.maccura.com](http://www.maccura.com)

**MedicalSystem Biotechnology Co., Ltd.**

Ningbo, ZJ 574 P.R. China  
[www.nb-medicalsystem.com](http://www.nb-medicalsystem.com)

**Medix Biochemica**

FI-02180 Espoo Finland  
[www.medixbiochemica.com](http://www.medixbiochemica.com)

**Megalab, JSC**

Tsiblisi Georgia  
[www.megalab.ge](http://www.megalab.ge)

**A. Menarini Diagnostics**

50012 Bagno a Ripoli (Firenze) Italy  
[www.menariniagnostics.com](http://www.menariniagnostics.com)

**Mindray - Shenzhen Mindray Bio-Medical Electronics Co., Ltd.**

Nanshan, Shenzhen 518057 P.R. China  
[www.mindray.com](http://www.mindray.com)

**Nittobo Medical Co., LTD.**

Tokyo, 102-0083 Japan  
[www.nittobo-nmd.co.jp/english](http://www.nittobo-nmd.co.jp/english)

**Nova Biomedical Corporation**

Waltham, MA 02454-9141 USA  
[www.novabiomedical.com](http://www.novabiomedical.com)

**Oneworld Accuracy Collaboration**

Burnaby - BC V5J 5H7 Canada  
[www.oneworldaccuracy.com](http://www.oneworldaccuracy.com)

**Ortho-Clinical Diagnostics, Inc.**

High Wycombe – Buckinghamshire  
HP12 4DP – UK  
[www.orthoclinical.com](http://www.orthoclinical.com)

**PerkinElmer**

20750 Turku Finland  
[www.perkinelmer.com/en](http://www.perkinelmer.com/en)

**PHC Europe B.V.**

D-40549 Düsseldorf Germany  
[www.pathfast.eu](http://www.pathfast.eu)

**Quality Academics S.C.**

Ciudad de México 01090 Mexico  
<https://quality-academics.com/>

**Radiometer Medical ApS**

2700 Brønshøj Denmark  
[www.radiometer.com](http://www.radiometer.com)

**Randox Laboratories Ltd.**

Crumlin - Co. Antrim  
 BT29 4QY - UK  
[www.randox.com](http://www.randox.com)

**Roche Diagnostics**

Indianapolis, Indiana 46250-0457 USA  
[www.roche.com](http://www.roche.com)

**Sansure Biotech Inc.**

Hunan Province P.R. China  
[www.sansureglobal.com](http://www.sansureglobal.com)

**Sebia S.A.**

91008 Evry Cedex France  
[www.sebia.com](http://www.sebia.com)

**Sentinel CH SpA**

20152 Milano Italy  
[www.sentinel diagnostics.com](http://www.sentinel diagnostics.com)

**Shanghai Kehua Bio-Engineering Co., Ltd.**

Shanghai 200233 P.R. China  
[www.skhb.com](http://www.skhb.com)

**Shenzhen YHLO Biotech Co., Ltd**

Shenzhen P.R. China  
[www.szyhlo.com](http://www.szyhlo.com)

**Siemens Healthcare Diagnostics**

Newark, DE, 19702 USA  
[www.siemens.com/diagnostics](http://www.siemens.com/diagnostics)

**Synlab International GmbH**

80809 Munich  
 Germany  
[www.synlab.com](http://www.synlab.com)

**Snibe Diagnostics**

Nanshan District, Shenzhen 518000  
 P.R. China  
[www.snibe.com](http://www.snibe.com)

**Sysmex Europe GmbH**

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[www.sysmex-europe.com](http://www.sysmex-europe.com)

**Technogenetics**

26900 Lodi - Italy  
[www.technogenetics.it/en](http://www.technogenetics.it/en)

**Thermo Fisher Scientific**

01620 Vantaa  
 Finland  
[www.thermofisher.com](http://www.thermofisher.com)

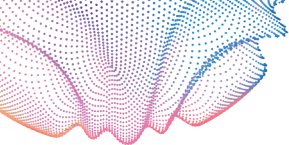
**Tosoh Corporation**

3980 Tessenderlo Belgium  
[www.tosohbioscience.com/clinical-diagnostics](http://www.tosohbioscience.com/clinical-diagnostics)

**Wuhan Life Origin Biotech Joint Stock Co., Ltd. - Szybio**

Wuhan, Hubei Province 430206  
 P.R. China  
<http://en.szybio.com/>





## EXECUTIVE BOARD

The Executive Board (EB) is elected by the Council for three years, and it is responsible for the operations of the IFCC between Council meetings. The EB is in charge of the strategy, decides of the annual budget, initiates projects and represents the Federation in negotiations with other organisations. The EB ensures the orderly discharge of the functions of the Federation and the sub-units. The Executive Board establishes and maintains a set of rules and procedures through which it will accomplish these functions.

### Executive Board 2021-2023

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**Prof. Khosrow ADELI**  
**President**

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The Hospital for Sick Children  
University of Toronto  
555 University Avenue  
Toronto, Ontario, M5G 1X8 Canada  
e-mail: khosrow.adeli@sickkids.ca



**Prof. David KINNIBURGH**  
**Secretary**

Alberta Centre for Toxicology  
University of Calgary  
HM-B19, 3330 Hospital Drive NW  
Calgary, AB, Canada, T2N 4N1  
e-mail: dkinnibu@ucalgary.ca



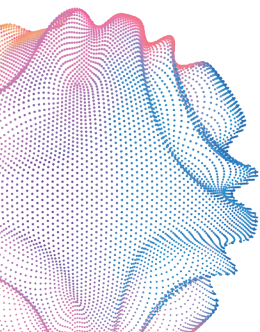
**Dr. Alexander HALIASSOS**  
**Treasurer**

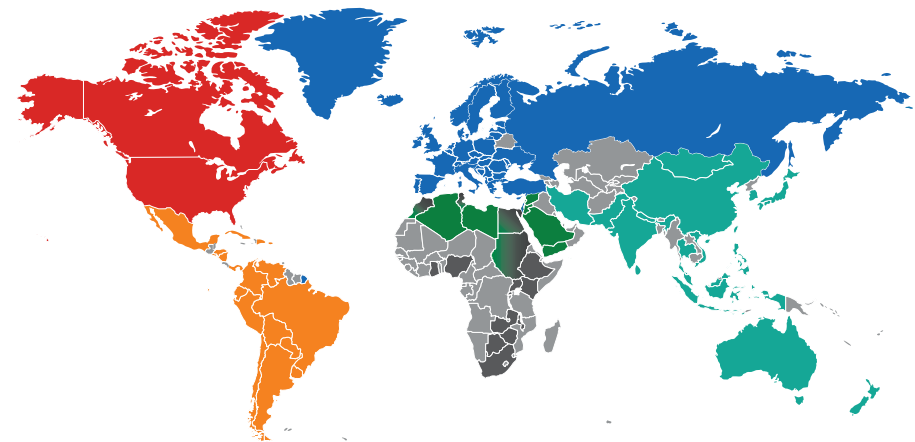
ESEAP  
Greek External Quality Assessment  
Scheme for Clinical Laboratories  
Alopekis 47, GR-106 76 Athens Greece  
e-mail: haliassos@moleculardiagnosics.gr



**Mr. Joseph PASSARELLI**  
**Corporate Representative**

Senior Director Scientific Relations  
Research and Development  
Roche Diagnostics Corporation  
9115 Hague Road, PO Box 50416  
Indianapolis, Indiana 46250-0416 - USA  
e-mail: joseph.passarelli@roche.com





Regional Representatives 2021-2023



**Prof. Adekunle B Okesina**  
African Federation of Clinical  
Chemistry (AFCC)

Department of Chemical Pathology  
and Immunology  
University of Ilorin  
Kwara State - Nigeria



**Prof. Abderrazek Hedhili**  
Arab Federation of Clinical  
Biology (AFCB)

Laboratoire de Toxicologie CMYAMU  
Montfleury - Tunisia



**Prof. Sunil Sethi**  
Asia-Pacific Federation for  
Clinical Biochemistry and  
Laboratory Medicine (APFCB)

Department of Laboratory Medicine  
National University Hospital  
Singapore



**Prof. Tomris OZBEN**  
European Federation of  
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Laboratory Medicine (EFLM)

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07070 Antalya Turkey  
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**Dr. Ana María  
LENA RODRÍGUEZ**  
Latin American Confedera-  
tion of Clinical Biochemistry  
(COLABIOCLI)

Chucarro 1123 apto 301  
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**Dr. Stephen HILL**  
North American Federation  
of Clinical Chemistry and  
Laboratory Medicine (NAFCC)

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Rm 2N30  
1200 Main St. West  
Hamilton L8N 3Z5, Canada  
e-mail: hillstev@HHSC.CA

# EXECUTIVE BOARD

## GOLDEN ACHIEVEMENTS 2002 - 2020

Integration of Regional Federations at Board level  
 New and Updated Memoranda of Understanding (MoU) with Regional Federations  
 E Voting system  
 Foundation for Emerging Nations (FEN)  
 Scholarships for emerging countries  
 Five new IFCC Distinguished Awards and IFCC Medals  
 Promotion of Young Scientists through the Task Force  
 Two new Federations – AFCC and NAFCC  
 New Emerging Technologies Division

### President

|                   |             |
|-------------------|-------------|
| K. Adeli (CA)     | 2020 - 2023 |
| M. Ferrari (IT)   | 2019 - 2020 |
| H. Morris (AU)    | 2018 - 2019 |
| M. Ferrari (IT)   | 2015 - 2017 |
| GH. Beastall (UK) | 2009 - 2014 |
| JMB. Hicks (US)   | 2006 - 2008 |
| MM. Müller (AT)   | 2000 - 2005 |

### President-elect

|                |      |
|----------------|------|
| K. Adeli (CA)  | 2020 |
| H. Morris (AU) | 2017 |

### Vice President

|                 |             |
|-----------------|-------------|
| H. Morris (AU)  | 2012 - 2014 |
| CWK. Lam (HK)   | 2009 - 2011 |
| V. Palicka (CZ) | 2006 - 2008 |
| CA. Burtis (US) | 2000 - 2005 |

### Secretary

|                    |             |
|--------------------|-------------|
| D. Kinniburgh (CA) | 2018 - 2023 |
| S. Bernardini (IT) | 2012 - 2017 |
| PH. Laitinen (FI)  | 2006 - 2011 |
| R. Bais (AU)       | 2000 - 2005 |

### Treasurer

|                   |             |
|-------------------|-------------|
| T. Ozben (TR)     | 2015 - 2020 |
| B. Gouget (FR)    | 2012 - 2014 |
| G. Shannan (SY)   | 2006 - 2011 |
| JMB. Hicks (US)   | 2003 - 2005 |
| P. Mocarelli (IT) | 1997 - 2002 |

### Members of Executive Board

|                      |             |
|----------------------|-------------|
| RI. Sierra-Amor (MX) | 2015 - 2020 |
| D. Mazziotta (AR)    | 2015 - 2016 |
| V. Steenkamp (ZA)    | 2012 - 2017 |
| L. Kricka (US)       | 2012 - 2014 |
| U. Tuma (BR)         | 2009 - 2014 |
| B. Gouget (FR)       | 2009 - 2011 |
| JB. Lopez (MY)       | 2006 - 2011 |
| M. Thomas (UK)       | 2006 - 2008 |
| D. Mazziotta (AR)    | 2003 - 2008 |
| V. Palicka (CZ)      | 2003 - 2005 |
| CWK. Lam (HK)        | 2000 - 2005 |
| RI. Sierra Amor (MX) | 1997 - 2002 |

### Corporate Representatives

|                   |             |
|-------------------|-------------|
| R. Hinzmann (DE)  | 2015 - 2020 |
| T. Brinkmann (DE) | 2009 - 2014 |
| N. Madry (DE)     | 2006 - 2008 |
| H. Wetzel (DE)    | 2003 - 2005 |
| W. Hölzel (DE)    | 2000 - 2002 |

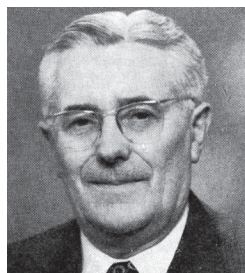
# IFCC PRESIDENTS 1952 - 2022



**Earl J. King**  
1952 - 1960



**Monroe E. Freeman**  
1960 - 1962



**Jean-Émile Courtois**  
1963 - 1967



**Martin Rubin**  
1967 - 1975



**Jörg Frei**  
1976 - 1978



**René Dybkaer**  
1979 - 1984



**Donald Young**  
1985 - 1990



**Gerard Siest**  
1991 - 1996



**Matthew McQueen**  
1997 - 1999



**Mathias Müller**  
2000 - 2005



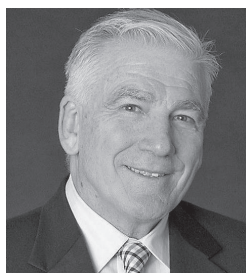
**Jocelyn MB Hicks**  
2006 - 2008



**Graham H. Beastall**  
2009 - 2014



**Maurizio Ferrari**  
2015 - 2018



**Howard Morris**  
2018 - 2019



**Khosrow Adeli**  
2020-2023





# THE IFCC OFFICE

## A CENTRAL HUB FOR THE GLOBAL LAB MEDICINE COMMUNITY

The IFCC Office functions at the heart of the IFCC organization responsible for carrying out, under the direction of the Executive Board (EB) and in cooperation with Divisions, Committees and other functional units, the administrative work and communication activities of the federation. The IFCC Office provides administrative support to all functional units and maintains the historical archives of the organisation. In conjunction with the IFCC Webmaster, the office is also responsible for the updating of the IFCC web-site [www.ifcc.org](http://www.ifcc.org). One of the most critical and pivotal roles played by the IFCC Office is the use of its “good offices” resulting from its impartiality and integrity, through the day-to-day support of the entire IFCC community. Often discreet but always diplomatic, it represents a major asset in helping the federation to gain in agility and fluidity in order to succeed in its organizational and digital transformation with a strong work ethic. IFCC is fortunate to have such a highly skilled, trustworthy, and friendly office team enabling a sustainably efficient and productive organization. The IFCC leadership is pleased to recognize the IFCC Office staff for playing a vital role in coordinating the work of the IFCC Executive Board as well as IFCC functional units, National Societies, Regional Federations, and Corporate Members from around the world.



**Paola Bramati**



**Silvia Colli Lanzi**



**Silvia Cardinale**



**Smeralda Skenderaj**



**Sofia Giardina**

# IFCC

## COOPERATION WITH INTERNATIONAL ORGANISATIONS



American Diabetes Association (ADA)



Bureau International des Poids et Mesures (BIPM)



Centers for Disease Control and Prevention (CDC)



Clinical Laboratory Management Association (CLMA)



Clinical and Laboratory Standards Institute (CLSI)



Council of International Organisations of Medical Sciences (CIOMS)



Consultative Committee for Amount of Substance:  
Metrology in Chemistry and Biology (CCQM)



European Association for the Study of Diabetes: (EASD)



European Commission Joint Research Centre (EC-JRC)



European Committee for Standardisation (CEN)



European Diagnostic Manufacturers Association (EDMA)



International Association for Therapeutic Drug Monitoring and Clinical Toxicology  
(IATDMCT)



International Committee for Standardisation in Haematology (ICSH)



International Consortium for Harmonisation of Clinical Laboratory Results (ICHCLR)



International Organization for Standardization (ISO)



## IFCC Cooperation with International Organisations



International Osteoporosis Foundation (IOF)



International Laboratory Accreditation Cooperation (ILAC)



International Union of Pure and Applied Chemistry (IUPAC)



International Union of Biochemistry and Molecular Biology (IUBMB)



International Society for Thrombosis and Haemostasis (ISTH)



Joint Committee on Traceability in Laboratory Medicine (JCTLM)



Joint Committee for Guides in Metrology (JCGM)



National Institute for Biological Standards and Control (NIBSC)



National Institute of Diabetes and Digestive and Kidney Diseases (NIH)



National Kidney Disease Education Program (NKDEP)



National Institutes for Food and Drug Control (NIFDC)



National Institute of Standards and Technology (NIST)



World Association of Societies of Pathology and Laboratory Medicine (WASPaLM)



World Health Organization (WHO)

# IFCC DISTINGUISHED AWARDS AND MEDALS

## IFCC Awards and Recipients

### IFCC Distinguished Clinical Chemist Award

12.01.01

This award recognises an individual who has made outstanding contributions to the science of Clinical Chemistry and Laboratory Medicine, or the application of Clinical Chemistry to the understanding or solution of medical problems.

|      |                     |      |                   |      |                 |
|------|---------------------|------|-------------------|------|-----------------|
| 2002 | C.N. Hales (UK)     | 2005 | G.M. Siest (FR)   | 2008 | D.S. Young (US) |
| 2011 | U.H.E. Stenman (FI) | 2014 | M.J. McQueen (CA) | 2017 | DYM Lo (HK)     |
| 2020 | N. Rifai (US)       |      |                   |      |                 |

### IFCC Distinguished International Services Award (1981-1987)

12.01.02

### IFCC-Wishinsky Award for Distinguished International Service (Since 1990)

This award honours an individual who has made unique contributions to the promotion and understanding of Clinical Chemistry and Laboratory Medicine throughout the world.

|      |                  |      |                    |      |                 |
|------|------------------|------|--------------------|------|-----------------|
| 2002 | O. Zinder (IL)   | 2005 | J.H. Ladenson (US) | 2008 | D. Burnett (UK) |
| 2011 | C.A. Burtis (US) | 2014 | R. Dufour (US)     | 2017 | J. Hicks (US)   |
| 2020 | G. Shannan (SY)  |      |                    |      |                 |

### IFCC Award for Distinguished Contributions in Education

12.01.03

This award honours an individual who has made extraordinary contributions in establishing and developing educational materials for our discipline to improve training and educational programmes worldwide or in a region.

|      |                   |      |                    |      |               |
|------|-------------------|------|--------------------|------|---------------|
| 2002 | J.B. Henry (US)   | 2005 | W.J. Marshall (UK) | 2008 | N. Tietz (US) |
| 2011 | M.F. Burritt (US) | 2014 | C.A. Burtis (US)   | 2017 | N. Rifai (US) |
| 2020 | T. Annesley (US)  |      |                    |      |               |

### IFCC Award for Significant Contributions in Molecular Diagnostics

12.01.04

This award honours an individual who has made unique contributions to the promotion and understanding of molecular biology and its application in Clinical Chemistry and Laboratory Medicine worldwide.

|      |                           |      |                                        |      |                   |
|------|---------------------------|------|----------------------------------------|------|-------------------|
| 2002 | L. Peltonen (FI)          | 2003 | R.M. Bertina (NL)<br>P.H. Reitsma (NL) | 2004 | M. Ferrari (IT)   |
| 2005 | C.T. Wittwer (US)         | 2006 | Y.M.D. Lo (HK)                         | 2007 | U. Landegren (SE) |
| 2008 | O. Kallioniemi (FI)       | 2009 | E. Diamandis (CA)                      | 2010 | G. Tsongalis (US) |
| 2011 | M. Neumaier (DE)          | 2014 | F. Barany (US)                         | 2017 | S. Branford (AU)  |
| 2020 | A. Ferreira-Gonzalez (US) |      |                                        |      |                   |

### IFCC Distinguished Award for Laboratory Medicine and Patient Care

12.1.01.05

This award honours an individual who has made unique contributions in Laboratory Medicine, its application in improving patient care, and having a worldwide impact in clinical medicine.

|      |                   |      |                    |      |                 |
|------|-------------------|------|--------------------|------|-----------------|
| 2008 | C.W.K. Lam (HK)   | 2011 | R. A. Wanders (NL) | 2014 | M. Plebani (IT) |
| 2017 | E. Diamandis (CA) | 2020 | D.B. Sacks (US)    |      |                 |

**IFCC-Robert Schaffer Award for Outstanding Achievements in the Development of Standards for Use in Laboratory Medicine****12.01.06**

This award honours an individual who has made outstanding and unique contributions to the advancement of reference methods and/or reference materials for Laboratory Medicine to facilitate improved quality of clinical diagnostics and therapies, which would in turn lead to reduced costs and improved patient care.

|      |                  |      |                   |      |                  |
|------|------------------|------|-------------------|------|------------------|
| 2008 | L. Siekmann (DE) | 2011 | L. Thienpont (BE) | 2014 | W.G. Miller (US) |
| 2017 | M.M. Müller (AT) | 2020 | G.L. Myers (US)   |      |                  |

**IFCC Young Investigator Award****12.01.07**

This award recognises and encourages the academic and professional development of a young investigator (under 40 years of age) who has demonstrated exceptional scientific achievements in Clinical Chemistry and Laboratory Medicine early in his/ her career.

|      |                   |      |               |      |                  |
|------|-------------------|------|---------------|------|------------------|
| 2011 | R.W.K. Chiu (HK)  | 2014 | G. Baird (US) | 2017 | R. Shrestha (NP) |
| 2020 | L.S. Eberlin (US) |      |               |      |                  |

**IFCC Distinguished Award for Contributions to Cardiovascular Diagnostics****12.01.08**

This award honours an individual who has undertaken remarkable scientific work with cardiac markers or immunodiagnostic applications to improve cardiac disease diagnosis. It has been presented for the first time on occasion of the WorldLab Congress held in Durban in 2017.

|      |                    |      |                  |
|------|--------------------|------|------------------|
| 2017 | J.H. Ladenson (US) | 2020 | F. S. Apple (US) |
|------|--------------------|------|------------------|

**IFCC-Gérard Siest Young Scientist Award for Distinguished Contributions in Pharmacogenetics****12.01.09**

This award recognises an outstanding young investigator or young leader (under 40 years of age) for his/her contribution to advancing the scientific discipline of pharmacogenomics and Personalised/Precision Medicine and/or its impact on research, development, standardisation, quality management, regulatory evaluation or utilisation in therapy. The award will be presented for the first time on occasion of the WorldLab Congress to be held in Seoul in 2020.

|      |                    |
|------|--------------------|
| 2020 | J.B. Woillard (FR) |
|------|--------------------|

**IFCC Distinguished Women Scientist Award for Contribution to In Vitro Diagnostics****12.01.10**

This award recognises a woman who has made significant contributions to the development or utilisation of In Vitro Diagnostics with emphasis on applications in primary healthcare. The award will be presented for the first time on occasion of the WorldLab Congress to be held in Seoul in 2020.

|      |                 |
|------|-----------------|
| 2020 | S. Quijano (CO) |
|------|-----------------|

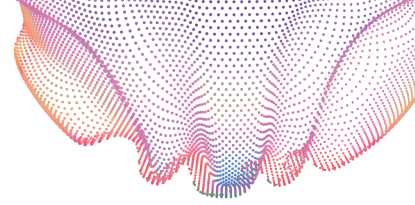
**IFCC Medal for Outstanding Service**

In 2017, the IFCC EB decided to introduce the "IFCC Medal for Outstanding Service" to award individuals in recognition of sustained service to IFCC at the highest level in promoting the international practice of clinical chemistry and laboratory medicine.

**Recipients:**

Prof. Paivi H. LAITINEN (FI)  
Prof. Paolo MOCARELLI (IT)

Dr. Cas WEYKAMP (NL)  
Prof. Daniel MAZZIOTTA (AR) - in memory.



# TASK FORCES

The Task Forces (TF) were established at the initiative of Prof MM Müller. They report directly to EB. A TF is addressing a topic that did not fit into any of the Divisions and is treated in the same way as Committees. Some TFs were introduced because they had often a clinical aim and IFCC still does not have a Clinical Division. Graham H. Beastall during his Presidency acted as direct liaison with the TFs. In 2018, the EB decided to rationalise their number and reintegrated the majority of them into the four Divisions.

## Chairs 2002-2020

| <b>Task Force on Ethics (TF-E)</b>                                                                    |    |             | 13.01.01 |
|-------------------------------------------------------------------------------------------------------|----|-------------|----------|
| N. Fink                                                                                               | AR | 2021- 2023  |          |
| A. Gronowski                                                                                          | US | 2014 - 2017 |          |
| D. Bruns                                                                                              | US | 2008 - 2013 |          |
| L. Burnett                                                                                            | AU | 2002 - 2008 |          |
| <b>Task Force on Pediatric Laboratory Medicine (TF-PLM)</b>                                           |    |             | 13.01.02 |
| In 2018, it became an ETD Committee, C-ETPLM (Emerging Technologies in Pediatric Laboratory Medicine) |    |             |          |
| M. Metz                                                                                               | AU | 2015 - 2017 |          |
| V.L. Grey                                                                                             | CA | 2012 - 2014 |          |
| K. Kohse                                                                                              | DE | 2006 - 2011 |          |
| <b>Task Force on Pharmacogenetics (Integrated Project) - (TF-PG)</b>                                  |    |             | 13.01.03 |
| In 2018, it was merged with existing SD Committee on Molecular Diagnostics (C-MD)                     |    |             |          |
| M. Linder                                                                                             | US | 2017        |          |
| R. Van Schaik                                                                                         | NL | 2008 - 2015 |          |
| <b>Task Force on Chronic Kidney Disease (Integrated Project) - (TF-CKD)</b>                           |    |             | 13.01.04 |
| In 2018, it became an EMD Committee, C-KD C- Kidney Disease                                           |    |             |          |
| F. Alcantara                                                                                          | BR | 2014 - 2017 |          |
| G. Jones                                                                                              | AU | 2008 - 2013 |          |
| <b>Task Force on Implementation of HbA1c Standardisation (Integrated Project)-(TF-HbA1c)</b>          |    |             | 13.01.05 |
| This TF was closed in 2016                                                                            |    |             |          |
| G. John                                                                                               | UK | 2009 - 2014 |          |
| <b>Task Force for Young Scientists (TF-YS)</b>                                                        |    |             | 13.01.06 |
| S. Fare-Taie                                                                                          | AR | 2020 - 2022 |          |
| P. Kumar Dabla                                                                                        | IN | 2014 - 2019 |          |
| G. Ko                                                                                                 | FR | 2013        |          |
| D. Gruson                                                                                             | BE | 2010 - 2012 |          |

## Chairs 2002-2020

|                                                                                                                                  |    |             |
|----------------------------------------------------------------------------------------------------------------------------------|----|-------------|
| <b>Task Force on Clinical Applications of Cardiac Bio-Markers (TF-CB)</b>                                                        |    | 13.01.07    |
| In 2018, it became an EMD Committee, C-CB                                                                                        |    |             |
| F. Apple                                                                                                                         | US | 2016 - 2017 |
| J. Ordoñez-Llanos                                                                                                                | ES | 2011 - 2016 |
| <b>Task Force on Point of Care Testing (TF-PoCT)</b>                                                                             |    | 13.01.08    |
| In 2018, it became an EMD Committee, C-PoCT                                                                                      |    |             |
| R. Tirimacco                                                                                                                     | AU | 2012 - 2017 |
| Working Group on "How should Glucose Meters be Evaluated for Critical Care - (WG-GMECC)" under the responsibility of the TF-POCT |    |             |
| C. Bowman                                                                                                                        | US | 2013 - 2019 |
| <b>Task Force on the Impact of Laboratory Medicine on Clinical Management and Outcomes (TF-ICO)</b>                              |    | 13.01.09    |
| This TF was closed in 2014                                                                                                       |    |             |
| M. Hallworth                                                                                                                     | UK | 2012 - 2014 |
| <b>Task Force on Proficiency Testing (TF-PT)</b>                                                                                 |    | 13.01.11    |
| in 2018 became an EMD Committee, C-PT                                                                                            |    |             |
| A. Haliassos                                                                                                                     | GR | 2014 - 2018 |
| <b>Task Force on History</b>                                                                                                     |    | 13.01.12    |
| MM. Müller                                                                                                                       | AT | 2022 -2024  |
| B. Gouget                                                                                                                        | FR | 2022 -2024  |
| P. Wilding                                                                                                                       | US | 2013 -2015  |
| <b>Task Force for Geriatric Laboratory Medicine (TF-GLM)</b>                                                                     |    | 13.01.13    |
| In 2018, it became an ETD Committee                                                                                              |    |             |
| C. Bailon                                                                                                                        | CA | 2016 - 2017 |
| <b>Task Force "IFCC-CLMA" Project on Leadership (TF IFCC-CLMA)</b>                                                               |    | 13.01.14    |
| This TF was closed in 2016                                                                                                       |    |             |
| L. Kricka                                                                                                                        | US | 2014 - 2016 |
| <b>Task Force on International Clinical Liaison (TF- ICL)</b>                                                                    |    | 13.11.00    |
| This TF was closed in 2011                                                                                                       |    |             |
| I. Watson                                                                                                                        | UK | 2009-2011   |
| <b>Task Force of the Global Campaign of Diabetes Mellitus</b>                                                                    |    | 13.06.00    |
| This TF was closed in 2008                                                                                                       |    |             |
| S. Sandberg                                                                                                                      | NO | 2003-2008   |
| <b>Task Force Corporate Members (TF-CM)</b>                                                                                      |    | 13.01.15    |
| Tricia Ravalico                                                                                                                  | US | 2021 - 2023 |
| <b>IFCC Task Force on COVID-19</b>                                                                                               |    | 13.01.16    |
| Giuseppe Lippi                                                                                                                   | IT | 2020 - 2022 |
| <b>Task Force on Global Newborn Screening (TF-NBS)</b>                                                                           |    | 13.01.17    |
| V. Leung-Pineda                                                                                                                  | US | 2021 - 2023 |
| J. Bonham                                                                                                                        | UK | 2021 - 2023 |
| <b>Task Force on Global Lab Quality (TF-GLQ)</b>                                                                                 |    | 13.01.18    |
| E. Amann                                                                                                                         | DE | 2021 - 2023 |
| Q. Meng                                                                                                                          | US | 2021 - 2023 |
| <b>Taskforce on Outcome Studies in Laboratory Medicine (TF-OSLM)</b>                                                             |    | 13.01.19    |
| Z. Zhao                                                                                                                          | US | 2021 - 2024 |
| <b>Task Force on Global Reference Interval Database (TF-GRID)</b>                                                                |    | 13.01.20    |
| J. Zierk                                                                                                                         | DE | 2021 - 2024 |
| <b>Taskforce on Global eLearning/eAcademy (TF-GEL)</b>                                                                           |    | ≥13.01.21   |
| A. Park                                                                                                                          | UK | 2021 - 2023 |

# CONGRESSES AND CONFERENCES COMMITTEE (C-CC)

The Congress and Conference Division (CCD) was founded in 1996. In December 2007, the Division became the Committee on Congresses and Conferences. The C-CC has the major administrative and managerial responsibility for all meetings coordinated by the IFCC.

The C-CC mission is to provide general administration and management of all IFCC meeting activities (congresses, conferences, symposia) and to review applications for IFCC auspices from non-IFCC conferences requesting such sponsorship.

## C-CC Executive Committee (C-CC-EC)



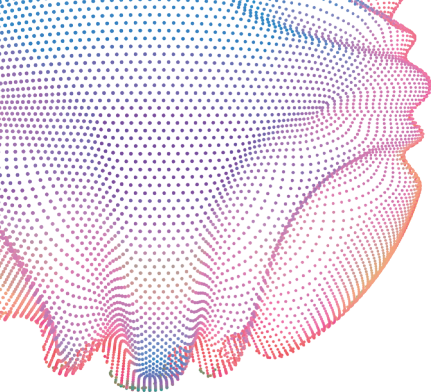
From left to right: T. Zima, M. Blanes Gonzales, J. Wesenberg, H. Martin, W. Fang, S. Cardinale

|                           |                                 |             |
|---------------------------|---------------------------------|-------------|
| Chair:                    | Päivi Laitinen (FI)             | 2021 – 2023 |
| Members:                  | Montserrat Blanes Gonzáles (PY) | 2018 – 2023 |
|                           | Antonio Buto Soto (ES)          | 2021 – 2023 |
| Corporate Representative: | Cheryl Jackson (US)             | 2018 – 2023 |
| Corresponding Members:    | Woei Horng-Fang (TW)            |             |
|                           | Helen Martin (AU)               |             |
|                           | Alejandra Cano Huizar (MX)      |             |
|                           | July Kumalawati (ID)            |             |
|                           | Sarah Robinson (UK)             |             |
|                           | Aylin Sepici Dincel (TR)        |             |
|                           | Christos Tsatsanis (GR)         |             |

### C-CC Past Chairs:

|                   |             |
|-------------------|-------------|
| J. Wesenberg (CA) | 2015 – 2020 |
| T. Ozben (TR)     | 2008 – 2014 |
| A. Fraser (CA)    | 2005 – 2007 |
| L. Viinikka (FI)  | 2003 – 2004 |





## INTERNATIONAL AND REGIONAL CONGRESSES



| International Congresses of Clinical Chemistry and Laboratory Medicine (ICCLM)-WorldLab |           |     |  | 7.2   |
|-----------------------------------------------------------------------------------------|-----------|-----|--|-------|
| XXVI                                                                                    | Dubai     | UAE |  | 2024  |
| XXV                                                                                     | Rome      | IT  |  | 2023  |
| XXIV                                                                                    | Seoul     | KR  |  | 2022  |
| XXIII                                                                                   | Durban    | ZA  |  | 2017  |
| XXII                                                                                    | Istanbul  | TR  |  | 2014  |
| XXI                                                                                     | Berlin    | DE  |  | 2011  |
| XX                                                                                      | Fortaleza | BR  |  | 2008  |
| XIX                                                                                     | Orlando   | US  |  | 2005  |
| XVIII                                                                                   | Kyoto     | JP  |  | 2002  |
| Regional Congresses of Clinical Chemistry and Laboratory Medicine (RCCCLM)              |           |     |  | 7.3   |
| Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB)       |           |     |  | 7.3.1 |
| XVII                                                                                    | Sydney    | AU  |  | 2024  |
| XVI                                                                                     | Seoul     | KR  |  | 2022  |
| XV                                                                                      | Jaipur    | IN  |  | 2019  |
| XIV                                                                                     | Taiwan    | TW  |  | 2016  |
| XIII                                                                                    | Bali      | ID  |  | 2013  |
| XII                                                                                     | Seoul     | KR  |  | 2010  |
| XI                                                                                      | Beijing   | CN  |  | 2007  |
| X                                                                                       | Perth     | AU  |  | 2004  |

| European Federation of Clinical Chemistry and Laboratory Medicine - EuroMedLab |                    |    |  | 7.3.2 |
|--------------------------------------------------------------------------------|--------------------|----|--|-------|
| XXV                                                                            | Rome               | IT |  | 2023  |
| XXIV                                                                           | Munich             | DE |  | 2021  |
| XXIII                                                                          | Barcelona          | ES |  | 2019  |
| XXII                                                                           | Athens             | GR |  | 2017  |
| XXI                                                                            | Paris              | FR |  | 2015  |
| XX                                                                             | Milan              | IT |  | 2013  |
| XIX                                                                            | Berlin             | DE |  | 2011  |
| XVIII                                                                          | Innsbruck          | AT |  | 2009  |
| XVII                                                                           | Amsterdam          | NL |  | 2007  |
| XVI                                                                            | Glasgow            | UK |  | 2005  |
| XV                                                                             | Barcelona          | ES |  | 2003  |
| Latin American Confederation of Clinical Biochemistry (COLABIOCLI)             |                    |    |  | 7.3.4 |
| XXVI                                                                           | Cartagena          | CO |  | 2024  |
| XXV                                                                            | León               | MX |  | 2022  |
| XXIV                                                                           | Panama             | PA |  | 2019  |
| XXIII                                                                          | Punta del Este     | UY |  | 2017  |
| XXII                                                                           | Quito              | EC |  | 2015  |
| XXI                                                                            | Lima               | PE |  | 2013  |
| XX                                                                             | Punta Cana         | DO |  | 2011  |
| XIX                                                                            | Santiago del Chile | CL |  | 2010  |
| XVIII                                                                          | Panama             | PA |  | 2007  |
| XVII                                                                           | Asunción           | PY |  | 2006  |
| XVI                                                                            | San José           | CR |  | 2003  |
| Arab Federation of Clinical Biology (AFCB)                                     |                    |    |  | 7.3.6 |
| XVI                                                                            | Broumanna          | LB |  | 2022  |
| XV                                                                             | Ramallah           | PA |  | 2018  |
| XIV                                                                            | Khartoum           | SD |  | 2015  |
| XII                                                                            | Marrakech          | MA |  | 2012  |
| XII                                                                            | Beirut             | LB |  | 2009  |
| XI                                                                             | Damascus           | SY |  | 2006  |
| X                                                                              | Monastir           | TN |  | 2004  |
| African Federation of Clinical Chemistry (AFCC)                                |                    |    |  | 7.3.7 |
| VI                                                                             | Lusaka             | ZM |  | 2021  |
| V                                                                              | Marrakech          | MA |  | 2019  |
| IV                                                                             | Durban             | ZA |  | 2017  |
| III                                                                            | Harare             | ZW |  | 2015  |
| II                                                                             | Nairobi            | KE |  | 2011  |
| I                                                                              | Ibadan             | NG |  | 2009  |

# SCIENTIFIC DIVISION

The SD mission is to advance the science of Clinical Chemistry and Laboratory Medicine. The strategic goals are to identify research areas in Laboratory Medicine and to assist the transfer of results to the profession. SD provides solutions and guidelines to identify technological problems in current practice; develops reference measurement methods and releases reference materials for standardisation; establishes networks of reference laboratories; supports scientific and technical needs of Member Societies and Corporate Members.

## SD Executive Committee (SD-EC)



Left to right: P. Bramati, K. Makris, B. Das, P. Gillery, C. Cobbaert, J. Passarelli, K. Phinney, I. Young, G. Miller, H. Schimmel

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|                                  |                          |           |
|----------------------------------|--------------------------|-----------|
| <b>Chair:</b>                    | Philippe Gillery (FR)    | 2017-2022 |
| <b>Vice Chair:</b>               | Christa M. Cobbaert (NL) | 2017-2022 |
| <b>Secretary:</b>                | C. John (UK)             | 2021-2023 |
| <b>Members:</b>                  | Barnali Das (IN)         | 2018-2023 |
|                                  | Konstantinos Makris (GR) | 2017-2022 |
|                                  | Mario Plebani (IT)       | 2017-2022 |
|                                  | Michael Rottmann (DE)    | 2020-2022 |
| <b>Corporate Representative:</b> |                          |           |

### Consultants/Observers:

|                                   |                      |
|-----------------------------------|----------------------|
| BIPM Observer:                    | Ralf D. Josephs (FR) |
| ICHCLR Observer:                  | Ian Young (UK)       |
| JCTLM Chair/SD Consultant:        | Greg Miller (US)     |
| JRC Observer/European Commission: | Liesbet Deprez (BE)  |
| NIFDC Observer:                   | Yang Zhen (CN)       |
| NIBSC Consultant:                 | Chris Burns (UK)     |
| NIST Consultant:                  | Karen Phinney (US)   |

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### SD Past Chairs:

|                         |             |
|-------------------------|-------------|
| Ian Young (UK)          | 2011 – 2016 |
| Mauro Panteghini (IT)   | 2006 – 2010 |
| Jean-Claude Forest (CA) | 1999 – 2005 |

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## SD Committees

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

8.2.6

in collaboration with International Union of Pure and Applied Chemistry (IUPAC)

**Chair**

|               |    |             |
|---------------|----|-------------|
| Y.B.L. Hansen | DK | 2021 - 2023 |
|---------------|----|-------------|

**Past Chairs**

|            |    |             |
|------------|----|-------------|
| K. Toska   | NO | 2018 - 2020 |
| R. Flatman | AU | 2012 - 2017 |
| F. Pontet  | FR | 2006 - 2011 |
| U. Forsum  | SE | 2003 - 2005 |

**Molecular Diagnostics (C-MD)**

8.2.11

**Chair**

|                |    |             |
|----------------|----|-------------|
| P. Ahmad Nejad | DE | 2019 - 2020 |
|----------------|----|-------------|

**Past Chairs**

|               |    |             |
|---------------|----|-------------|
| D. Payne      | US | 2013 - 2018 |
| M. Pazzagli   | IT | 2010 - 2012 |
| F. Rousseau   | CA | 2004 - 2009 |
| C. Mannhalter | AT | 2002 - 2004 |

**Plasma Proteins (C-PP)**

8.2.13

This Committee was closed in 2010

**Chair**

|            |    |             |
|------------|----|-------------|
| G. Merlini | IT | 2004 - 2010 |
|------------|----|-------------|

**Past Chair**

|            |    |             |
|------------|----|-------------|
| M. Johnson | US | 2001 - 2003 |
|------------|----|-------------|

**Standardisation of Markers of Cardiac Damage (C-SMCD)**

8.2.19

Joint activity with AACC. This Committee was closed in 2009

**Chair**

|          |    |             |
|----------|----|-------------|
| F. Apple | US | 2004 - 2009 |
|----------|----|-------------|

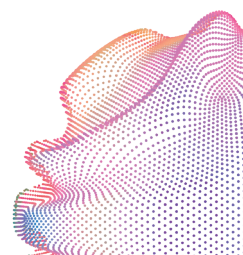
**Standardisation of Coagulation Tests (C-SCT) in collaboration with ISTH**

8.2.20

This Committee was closed in 2005

**Chair**

|            |    |             |
|------------|----|-------------|
| C. Jackson | US | 2003 - 2005 |
|------------|----|-------------|



## SD Committees

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

8.2.21

This Committee was closed in 2016

#### Chair

F. Ceriotti IT 2010 - 2016

#### Past Chairs

G. Schumann DE 2004 - 2009

L. Siekmann DE 2003 - 2005

### Point of Care testing (C-POCT)

8.2.22

This Committee was closed in 2009

#### Chair

A. Okorodudu US 2006 - 2008

#### Past Chair

W.R. Külpmann DE 2004 - 2006

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

8.2.23

#### Chair

A. Kessler DE 2018 - 2023

#### Past Chairs

L. Siekmann DE 2013 - 2018

A. Kessler DE 2007 - 2012

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

8.2.24

#### Chair

T. Streichert DE 2021-2024

#### Past Chairs

Y. Ozarda TR 2016 - 2021

K. Ichihara JP 2010 - 2015

F. Ceriotti IT 2005 - 2009

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

8.2.25

This Committee was created from WG-STFT in 2012

#### Chair

H. Vesper US 2018 - 2023

#### Past Chair

L. Thienpont BE 2012 - 2017

### Harmonisation of Autoimmune Tests (C-HAT)

8.2.26

This Committee was created from WG-HAT in 2017

#### Chair

J. Sheldon UK 2017 - 2022

### Bone Metabolism (C-BM)

8.2.27

This Committee was created from WG-HAT in 2019

#### Chair

E. Cavalier BE 2019-2024

## SD Working Groups

|                                                                                                                                              |    |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|--------|
| <b>Selective Electrodes and Biosensors (WG-SEB)</b>                                                                                          |    |             | 8.3.3  |
| This Working Group closed in 2009                                                                                                            |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| A. Lewenstam                                                                                                                                 | FI | 2006 - 2008 |        |
| <b>Past Chair</b>                                                                                                                            |    |             |        |
| W.R. Külpmann                                                                                                                                | DE | 2001 - 2005 |        |
| <b>Reference methods for apolipoproteins (WG-MA)</b>                                                                                         |    |             | 8.3.8  |
| This Working Group closed in 2009                                                                                                            |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| G. Myers                                                                                                                                     | US | 2004 - 2009 |        |
| <b>Standardisation of human chorionic gonadotropin (WG-SHCG)</b>                                                                             |    |             | 8.3.16 |
| This Working Group closed in 2009                                                                                                            |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| C. Sturgeon                                                                                                                                  | UK | 2003 - 2008 |        |
| <b>Standardisation of Lp(a) (WG-Lp(a))</b>                                                                                                   |    |             | 8.3.18 |
| This Working Group closed in 2003                                                                                                            |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| A. Steinmetz                                                                                                                                 | DE | 1998 - 2003 |        |
| <b>Standardisation of Hb (WG-HbA1c)</b>                                                                                                      |    |             | 8.3.19 |
| This Working Group closed in 2009 and transformed in "Task Force on Implementation of HbA1c Standardisation - Integrated Project (TF-HbA1c)" |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| G. John                                                                                                                                      | UK | 2007 - 2009 |        |
| <b>Past Chair</b>                                                                                                                            |    |             |        |
| K. Miedema                                                                                                                                   | NL | 2002 - 2006 |        |
| <b>Nanotechnology (WG-NT)</b>                                                                                                                |    |             | 8.3.24 |
| This Working Group closed in 2006                                                                                                            |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| L. Kricka                                                                                                                                    | US | 2003 - 2005 |        |
| <b>Laboratory Practice Guidelines on Monitoring Immunosuppressive Drugs (WG-MID)</b>                                                         |    |             | 8.3.29 |
| Joint activity with IATDMCT. This Working Group closed in 2006                                                                               |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| D. Holt                                                                                                                                      | UK | 2003 - 2006 |        |
| <b>Standardisation of Total Plasma Homocysteine Measurement (WG-SHM)</b>                                                                     |    |             | 8.3.30 |
| This Working Group closed in 2005                                                                                                            |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| E. Rossi                                                                                                                                     | AU | 2002 - 2005 |        |
| <b>Standardisation of Thyroid function tests WG-STFT</b>                                                                                     |    |             | 8.3.33 |
| This WG was transformed into C-STFT in 2012                                                                                                  |    |             |        |
| <b>Chair</b>                                                                                                                                 |    |             |        |
| L. Thienpont                                                                                                                                 | BE | 2005 - 2011 |        |
| <b>Past Chair</b>                                                                                                                            |    |             |        |
| C. Ronin                                                                                                                                     | FR | 2002 - 2004 |        |



## SD Working Groups

### Standardisation of Hemoglobin A2 (WG-HbA2) - Joint WG IFCC-ICSH

8.3.35

#### Chair

A. Mosca IT 2017 - 2022

#### Past Chairs

R. Paleari IT 2010 - 2016

A. Mosca IT 2004 - 2009

### Carbohydrate-Deficient Transferrin (WG-CDT)

8.3.36

#### Chair

J. Deenmamode UK 2018 - 2023

#### Past Chairs

PM Wielders NL 2015 - 2017

F. Schellenberg FR 2011 - 2013

A. Helander SE 2005 - 2010

### Standardisation of Cystatin C (WG-SCC)

8.3.37

This Working Group closed in 2011

#### Chair

A. Grubb SE 2005 - 2011

### Standardisation of Glomerular Filtration Rate Assessment (WG-GFRA)

8.3.38

This Working Group closed in 2011

#### Chair

N. Greenberg US 2006 - 2011

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

8.3.39

in collaboration with National Kidney Disease Education Program (NKDEP)

#### Chair

J. Seegmiller US 2020 - 2022

#### Past Chairs

G. Miller US 2008 - 2013

M. McQueen CA 2005 - 2007

### Standardisation of Pregnancy-Associated Plasma Protein A (WG-PAPP A)

8.3.40

#### Chair

L.J. Friis-Hansen DK 2022-2022

#### Past Chairs

S. Wittfooth FI 2015 - 2020

K. Pettersson FI 2008 - 2013

K. Spencer UK 2006 - 2008

### Growth Hormone (WG-GH)

8.3.41

This WG was closed from 2012 to 2016

#### Chair

M. Vos NL 2021-2023

#### Past Chair

E. Lentjes NL 2020-2022

M. Bidlingmaier DE 2006-2011

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

8.3.42

in collaboration with American Diabetes Association (ADA) and European Association for the Study of Diabetes (EASD)

**Chair**

R. Little US

**Past Chairs**

M. Steffes US

J. Seegmiller US

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

8.3.43

**Chair**

R. Christenson US 2018 - 2022

**Past Chairs**

D. Bunk US 2015 - 2017

J. Tate AU 2008 - 2014

**Allowable Errors for Traceable Results (WG-AETR)**

8.3.44

This WG was closed in 2013

**Chair**

R. Bais AU 2010 - 2013

**Harmonisation of Autoantibody Tests (WG-HAT)**

8.3.45

This WG was transformed into C-HAT in 2017

**Chair**

J. Sheldon UK 2010 - 2016

**Quality Specifications for Glucose POCT (WG-GPOCT)**

8.3.46

This Working Group was transformed in "Task Force on Point of Care Testing (TF-POCT)" in 2012

**Chair**

R. Tirimacco AU 2010 - 2012

**Clinical Quantitative Mass Spectrometry Proteomics (WG-cMSP)**

8.3.47

This WG was closed from 2016

**Chair**

S. Lehmann FR 2011 - 2016

**Parathyroid Hormone (WG- PTH)**

8.3.48

This WG merged in C-BM in 2019

**Chair**

C. Sturgeon UK 2012 - 2018

**CSF-Proteins (WG-CSF)**

8.3.49

**Chair**

J. Gobom SE 2018 - 2023

**Past Chair**

K. Blennow SE 2012 - 2017



## SD Working Groups

### Standardisation of Bone Marker Assays (WG-SBMA)

8.3.50

in collaboration with IOF. This WG merged in C-BM in 2019

#### Chair

E. Cavalier BE 2018 - 2020

#### Past Chair

H. Morris AU 2012 - 2017

### Commutability in Metrological Traceability (WG-CMT) until Dec 2019 Commutability (WG-C)

8.3.51

#### Chair

G. Miller US 2013 - 2022

### Immunosuppressive Drugs (WG-ID)

8.3.53

#### Chair

C. Seger CH 2018 - 2023

### Apolipoproteins by Mass Spectrometry (WG-APO MS)

8.3.54

#### Chair

C. Cobbaert NL 2020 - 2022

### Pancreatic Enzymes (WG-PE)

8.3.55

#### Chair

D. Grote-Koska DE 2020 - 2022

### Fecal Immunochemical Testing (WG-FIT)

8.3.56

#### Chair

S. Benton UK 2020 - 2022

### Cell free DNA and related circulating biomarkers (WG-cfDNA)

8.3.57

#### Chair

R. van Schaik NL 2018 - 2023

### WG on Procalcitonin (WG-PCT)

8.3.58

#### Chair

V. Delatour FR 2018 - 2023

### Vitamin D Standardisation Program (WG-Vit D)

8.3.59

This WG merged in C-BM in 2019

#### Chair

C. Sempos US 2018 - 2020

### Continuous Glucose Monitoring (WG-CGM)

8.3.60

#### Chair

G. Freckmann DE 2019 - 2024

### Development of a Reference Measurement System for sustainable PT/INR Standardization (WG PT/INR)

8.3.61

#### Chair

C. Cobbaert NL 2021 - 2023

# SD GOLDEN ACHIEVEMENTS



**Prof. Jean-Claude Forest** (2000 - 2005)

Partnership with international organisations to improve standardisation.  
Implementation of the concept of metrological traceability in lab medicine.  
Realisation of reference measurement systems based on ISO standards.  
Creation of the Joint Committee for Traceability in Laboratory Medicine in June 2002 in collaboration with the "Bureau International des Poids et Mesures - BIPM" and the International Laboratory Accreditation Cooperation (ILAC).

HbA1c reference procedure for measurement of glycated haemoglobin accepted by International and European Diabetes Associations Organisation of the Bergmeyer Conference.



**Prof. Mauro Panteghini** (2006 - 2010)

Development of reference methods and reference materials for measurands of clinical significance. Organisation of Bergmeyer and Ortho Diagnostics Conferences. New reference material on Plasma Proteins.

Establishment of common reference intervals by means of multicentre studies, using IFCC reference methods.

Joint agreement between IFCC and clinical diabetes associations for HbA1c IFCC measurement procedures. Standardisation of Thyroid Function Tests.

Standardisation of Glomerular Filtration Rate Assessment in cooperation with the U.S. National Kidney Disease Education Program (NKDEP) based on enzymatic creatinine measurement.



**Prof. Ian Young and Prof. Philippe Gillery**  
(2011-2016 / 2017-2022)

Establishing a Committee on bone metabolism gathering the activities previously performed in working groups on PTH, bone markers and vitamin D.

Focusing on Molecular Diagnostics & Pharmacogenomics.

New WGs on immunosuppressive drugs, cancer, continuous glucose monitoring, apolipoprotein, procalcitonin. European network of National Measurement Institutes (NMIs) through the call for European Metrology Programme for Innovation and Research (EMPIR) projects.

In all cases, a close relationship was ensured with manufacturers, national metrology institutes and clinical societies.

Memorandum of understanding was established between IFCC and ICHCLR (previously Harmonisation initiative of the AACC).

From 2002 to 2020 the Scientific Division, with its functional Units, published more than 100 publications. For more information refer to the IFCC website.

# EDUCATION AND MANAGEMENT DIVISION

EMD provides IFCC members and the healthcare community with educational documents relevant to clinical chemistry and laboratory medicine, directed by scientific, clinical and managerial issues. The EMD Guidelines are bases of curricula in Laboratory Medicine globally.

## EMD Executive Committee (EMD-EC)



*Left to right: A. Ziegler, N. Rifai, V. Steenkamp, S. Cardinale, L. Lai*

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|                           |                        |             |
|---------------------------|------------------------|-------------|
| Chair:                    | Nader Rifai (US)       | 2021 – 2023 |
| Vice Chair:               | Vanessa Steenkamp (ZA) | 2021 – 2023 |
| Corp. Rep. and Secretary: | André Ziegler (CH)     | 2017 – 2023 |
| Member and VLP Chair:     | Sedef Yenice (TR)      | 2020 – 2022 |
|                           | Tomas Zima (CZ)        | 2021 – 2023 |

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### EMD Past Chairs:

|                       |             |
|-----------------------|-------------|
| Leslie Lai (MY)       | 2015 – 2020 |
| Maurizio Ferrari (IT) | 2012 – 2014 |
| Janet Smith (UK)      | 2006 – 2011 |
| Gerard Sanders (NL)   | 2000 – 2006 |

---

## EMD Committees

**Clinical Molecular Biology Curriculum (C-CMBC)**

9.2.4

**Chair**

|             |    |             |
|-------------|----|-------------|
| V.Haselmann | DE | 2020 - 2022 |
|-------------|----|-------------|

**Past Chairs**

|            |    |             |
|------------|----|-------------|
| E.Lianidou | GR | 2014 - 2019 |
|------------|----|-------------|

|            |    |             |
|------------|----|-------------|
| M.Neumaier | DE | 2008 - 2013 |
|------------|----|-------------|

|           |    |             |
|-----------|----|-------------|
| M.Ferrari | IT | 2002 - 2007 |
|-----------|----|-------------|

**Analytical Quality (C-AQ)**

9.2.5

This Committee was closed in 2020 and transitioned to the new TF-GLQ.

**Chair**

|          |    |             |
|----------|----|-------------|
| A.Thomas | UK | 2017 - 2020 |
|----------|----|-------------|

**Past Chairs**

|         |    |             |
|---------|----|-------------|
| E.Amann | DE | 2014 - 2016 |
|---------|----|-------------|

|                  |    |             |
|------------------|----|-------------|
| E.Amann co-chair | DE | 2011 - 2013 |
|------------------|----|-------------|

|                 |    |             |
|-----------------|----|-------------|
| J.Jill co-chair | AU | 2011 - 2013 |
|-----------------|----|-------------|

|           |    |             |
|-----------|----|-------------|
| K.Sikaris | AU | 2004 - 2009 |
|-----------|----|-------------|

|          |    |             |
|----------|----|-------------|
| A.Uldall | DK | 2001 - 2003 |
|----------|----|-------------|

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

9.2.7

**Chair**

|          |    |             |
|----------|----|-------------|
| A.Zemlin | ZA | 2022 - 2023 |
|----------|----|-------------|

**Past Chairs**

|              |    |             |
|--------------|----|-------------|
| C.Florkowski | NZ | 2015 - 2017 |
|--------------|----|-------------|

|               |    |             |
|---------------|----|-------------|
| R.Christenson | US | 2009 - 2014 |
|---------------|----|-------------|

|              |    |             |
|--------------|----|-------------|
| A.R. Horvath | HU | 2003 - 2008 |
|--------------|----|-------------|

**Education and Curriculum Development (C-ECD)**

9.2.8

This Committee was closed in 2010

**Past Chairs**

|         |    |             |
|---------|----|-------------|
| P.Kocna | CZ | 2008 - 2010 |
|---------|----|-------------|

|         |    |             |
|---------|----|-------------|
| L.Allen | CA | 2002 - 2007 |
|---------|----|-------------|





## EMD Committees

| Clinical Laboratory Management (C-CLM)                                                                                |    |             | 9.2.9  |
|-----------------------------------------------------------------------------------------------------------------------|----|-------------|--------|
| <b>Chair</b>                                                                                                          |    |             |        |
| P. Sharma                                                                                                             | IN | 2020 - 2022 |        |
| <b>Past Chairs</b>                                                                                                    |    |             |        |
| S.Yenice                                                                                                              | TR | 2014 - 2019 |        |
| J.Khran                                                                                                               | CA | 2012 - 2013 |        |
| E.Frank                                                                                                               | IN | 2008 - 2011 |        |
| W. de Kieviet                                                                                                         | NL | 2005 - 2007 |        |
| I.Wilkinson                                                                                                           | CA | 2003 - 2005 |        |
| Distance Learning (C-DL)                                                                                              |    |             | 9.2.10 |
| This Committee was closed in 2020 and transitioned to the new TF-GEL.                                                 |    |             |        |
| <b>Chair</b>                                                                                                          |    |             |        |
| L.Langman                                                                                                             | US | 2018 - 2020 |        |
| <b>Past Chair</b>                                                                                                     |    |             |        |
| J.Smith                                                                                                               | UK | 2012 - 2017 |        |
| Clinical Applications of Cardiac Bio-markers (C-CB)                                                                   |    |             | 9.2.12 |
| Previously Task Force on Clinical Applications of Cardiac Bio-markers                                                 |    |             |        |
| <b>Chair</b>                                                                                                          |    |             |        |
| F.Apple                                                                                                               | US | 2018 - 2020 |        |
| Education in the Use of Biomarkers in Diabetes (C-EUBD)                                                               |    |             | 9.2.11 |
| <b>Chair</b>                                                                                                          |    |             |        |
| E.English                                                                                                             | UK | 2021 - 2023 |        |
| <b>Past Chair</b>                                                                                                     |    |             |        |
| G.John                                                                                                                | UK | 2016-2020   |        |
| Kidney Disease (C-KD)                                                                                                 |    |             | 9.2.13 |
| Previously Task Force on Chronic Kidney Disease                                                                       |    |             |        |
| <b>Chair</b>                                                                                                          |    |             |        |
| J.El Khoury                                                                                                           | US | 2021 - 2023 |        |
| <b>Past Chair</b>                                                                                                     |    |             |        |
| F. Alcantara                                                                                                          | BR | 2018 - 2021 |        |
| Point of Care Testing (C-POCT)                                                                                        |    |             | 9.2.14 |
| Previously Task Force on Point of Care Testing                                                                        |    |             |        |
| <b>Chair</b>                                                                                                          |    |             |        |
| A.Khan                                                                                                                | US | 2019 - 2024 |        |
| <b>Past Chair</b>                                                                                                     |    |             |        |
| R.Tirimacco                                                                                                           | AU | 2018 - 2018 |        |
| Proficiency Testing (C-PT)                                                                                            |    |             | 9.2.15 |
| Previously Task Force on Proficiency Testing<br>This Committee was closed in 2020 and transitioned to the new TF-GLQ. |    |             |        |
| <b>Chair</b>                                                                                                          |    |             |        |
| A.Perret-Liaudet                                                                                                      | FR | 2020 - 2020 |        |
| <b>Past Chair</b>                                                                                                     |    |             |        |
| A.Haliassos                                                                                                           | GR | 2018 - 2019 |        |
| Value Proposition for Laboratory Medicine (C-VPLM)                                                                    |    |             | 9.2.16 |
| <b>Chair</b>                                                                                                          |    |             |        |
| A.St.John                                                                                                             | AU | 2020 - 2023 |        |

## EMD Working Groups

|                                                                                    |    |             |        |
|------------------------------------------------------------------------------------|----|-------------|--------|
| <b>Master in Clinical Laboratory Science, La Plata University Program (WG-MLS)</b> |    |             | 9.3.1  |
| This Working Group was closed in 2003                                              |    |             |        |
| <b>Chair</b>                                                                       |    |             |        |
| N.Fink                                                                             | AR | 2001 - 2003 |        |
| <b>Laboratory Management of r-HuePO therapy (WG-EPO)</b>                           |    |             | 9.3.4  |
| This working Group was closed in 2006                                              |    |             |        |
| <b>Chair</b>                                                                       |    |             |        |
| L.Thomas                                                                           | DE | 2002 - 2006 |        |
| <b>Reviewing Educational Materials (WG-REM)</b>                                    |    |             | 9.3.5  |
| This Working Group was closed in 2005                                              |    |             |        |
| <b>Chair</b>                                                                       |    |             |        |
| B.Dufour                                                                           | US | 2003 - 2005 |        |
| <b>Working Group on Distance Education (WG-DE)</b>                                 |    |             | 9.3.7  |
| This Working Group was closed in 2006                                              |    |             |        |
| <b>Chair</b>                                                                       |    |             |        |
| D. Juretic                                                                         | HR | 2003 - 2006 |        |
| <b>Laboratory Errors and Patient Safety (WG-LEPS)</b>                              |    |             | 9.3.8  |
| <b>Chair</b>                                                                       |    |             |        |
| M. Plebani                                                                         | IT | 2020 - 2022 |        |
| <b>Past Chairs</b>                                                                 |    |             |        |
| L. Sciacovelli                                                                     | IT | 2014 - 2019 |        |
| M. Plebani                                                                         | IT | 2007 - 2013 |        |
| <b>Bone Markers Standards on Osteoporosis (WG-BMS)</b>                             |    |             | 9.3.9  |
| This Working Group was closed in 2011                                              |    |             |        |
| <b>Chair</b>                                                                       |    |             |        |
| S.Vasikaran                                                                        | AU | 2009 - 2011 |        |
| <b>Cancer Genomics (WG-CG)</b>                                                     |    |             | 9.3.9  |
| This Working Group was closed in 2017                                              |    |             |        |
| <b>Chair</b>                                                                       |    |             |        |
| J.Park                                                                             | US | 2015 - 2017 |        |
| <b>Harmonisation of Interpretive Comments EQA (WG-ICQA)</b>                        |    |             | 9.3.10 |
| This Committee was closed in 2020                                                  |    |             |        |
| <b>Chair</b>                                                                       |    |             |        |
| M.Turzyniecka                                                                      | ZA | 2020 - 2020 |        |
| <b>Past Chair</b>                                                                  |    |             |        |
| S.Vasikaran                                                                        | AU | 2015 - 2018 |        |
| <b>Personal Support (WG-PS)</b>                                                    |    |             | 9.3.11 |
| Previously Mentoring Programme for Developing Countries                            |    |             |        |
| This Working Group closed in March 2022                                            |    |             |        |
| <b>Chair</b>                                                                       |    |             |        |
| G. H. Beastall                                                                     | UK | 2018 - 2020 |        |

## EMD Special Projects

### Visiting Lecturer Programme (VLP)

9.4.1

#### Chair

|          |    |             |
|----------|----|-------------|
| S.Yenice | TR | 2021 - 2023 |
|----------|----|-------------|

#### Past Chairs

|         |    |             |
|---------|----|-------------|
| N.Rifai | US | 2018 - 2020 |
|---------|----|-------------|

|         |    |             |
|---------|----|-------------|
| E.Frank | IN | 2013 - 2017 |
|---------|----|-------------|

|       |    |             |
|-------|----|-------------|
| L.Lai | MY | 2007 - 2013 |
|-------|----|-------------|

|           |    |             |
|-----------|----|-------------|
| M.Burritt | US | 2001 - 2006 |
|-----------|----|-------------|

### Flow Cytometry (WG-FC)

9.4.2

#### Chair

|           |    |             |
|-----------|----|-------------|
| C.Lambert | FR | 2019 - 2023 |
|-----------|----|-------------|

#### Past Chairs

|        |    |             |
|--------|----|-------------|
| U.Sack | DE | 2011 - 2018 |
|--------|----|-------------|

|         |    |             |
|---------|----|-------------|
| G.Rothe | DE | 2001 - 2011 |
|---------|----|-------------|

### Developing Quality Competence in Medical Laboratories (DQCML)

9.4.3

This Special Project was closed in 2020 and transitioned to the new TF-GLQ.

#### Chair

|         |    |             |
|---------|----|-------------|
| E.Amann | DE | 2017 - 2020 |
|---------|----|-------------|

#### Past Chair

|          |    |             |
|----------|----|-------------|
| M.Thomas | UK | 2010 - 2016 |
|----------|----|-------------|

### Mentoring Programme (MENT)

9.4.4

This Special Project was closed in 2017

#### Chair

|         |    |             |
|---------|----|-------------|
| D.Young | US | 2015 - 2017 |
|---------|----|-------------|

### IFCC-Abbott Visiting Lecturer Programme (VLP)

9.4.1



The IFCC-Abbott Visiting Lecturer Programme (VLP) is a programme to support international exchange of lecturers and aims to facilitate international educational exchanges within IFCC.

# EMD GOLDEN ACHIEVEMENTS

The traditional Visiting Lecture Programme for emerging countries was expanded by generous educational grant from Abbott during the recent years with the help of Jocelyn Hicks. In 2019, a total of 39 visiting lecturers, went abroad.

Development of a curriculum and comprehensive hands-on laboratory training courses in basic diagnostic molecular biology techniques initially provided in Italy by Maurizio Ferrari and expanded to other countries. From 2009, a keystone change in the Committee on Clinical Molecular Biology Curriculum (C-CMBC) Course concept was the “lab-in-a-suitcase” principle, aiming to bring the molecular techniques to the participants’ countries and to perform them in their every-day working environments.

Special training courses on Quality Competence for the emerging countries.

From 2002 to 2022 the Education and Management Division, with its functional Units, published 38 publications. For more information refer to the IFCC website.



# COMMUNICATIONS AND PUBLICATIONS DIVISION

The mission of CPD is to provide worldwide communications about the work of the IFCC to clinical laboratory professionals, physicians and health policy-makers, and to provide continuing education materials and services in printed and electronic forms. The Division is responsible for the IFCC website, the IFCC eAcademy, and the online publications: the eJournal (eJIFCC) and IFCC eNewsletter. Scientific documents are published in Clinica Chimica Acta (CCA) – the official scientific IFCC journal, and also with other publishers.

CPD is publishing educational tools, including scientific monographs. Important IFCC documents are also translated into languages other than English. The IFCC eAcademy is an open educational resource containing distance learning materials. The CPD is responsible for public relations activities.

## CPD Executive committee ( CPD-EC)



Left to right: M.C. Pasquel, K. Psarra, R. Erasmus, J. Grant, S. Colli Lanzi, T. Pillay, J. Kappelmayer, A. Newman, T. Ravalico, E. Freggiaro



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|                                    |                        |             |
|------------------------------------|------------------------|-------------|
| Chair:                             | Tahir Pillay (ZA)      | 2019 - 2024 |
| Secretary & Publications           |                        |             |
| Distance Learning Coordinator :    | Eduardo Freggiaro (AR) | 2017 - 2022 |
| Vice Chair & IFCC eJournal Editor: | János Kappelmayer (HU) | 2018 - 2023 |
| eNewsletter Editor                 |                        |             |
| & eNews Flash Editor:              | Katherina Psarra (GR)  | 2019 - 2024 |
| Public Relations Coordinator:      | Rajiv Erasmus (ZA)     | 2019 - 2024 |
|                                    |                        |             |
| Corporate Representative:          | Tricia Ravalico (US)   | 2018 - 2023 |

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CPD Past Chairs:

|                 |             |
|-----------------|-------------|
| K. Adeli (CA)   | 2013 – 2018 |
| E. Jacobs (US)  | 2007 – 2012 |
| A. Wootton (AU) | 2004 – 2006 |
| B. Gouget (FR)  | 1998 – 2003 |

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|                                      |                  |             |
|--------------------------------------|------------------|-------------|
| Web Editor and IFCC App Coordinator: | D. Tocpu (TR)    | 2020 – 2022 |
|                                      | J. Grant (AU)    | 2014 – 2019 |
| Social Media Coordinator:            | R. Shrestha (NP) | 2020 – 2022 |
| Web Editor:                          | P. Vervaart (AU) | 2011 – 2013 |
| Editor of documents:                 | P. Lehman (US)   | 2001 – 2003 |

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## CPD Committees

### Public Relations (C-PR)

10.2.1

#### Chair

Rajiv Erasmus ZA 2019 - 2024

#### Past Chairs

E. Delvin CA 2013 - 2018

K. Adeli CA 2008 - 2013

### Internet and e-Learning (C-leL)

10.2.2

#### Chair

E. Freggiaro AR 2018 - 2023

#### Past Chair

P. Vervaart AU 2011 - 2016

## CPD Working Groups

### eJIFCC (ISSN number (1650-3414) and WG-eJIFCC

10.3.1

#### Chair & Editor eJIFCC

J. Kappelmayer HU 2018 - 2023

#### Past Chairs

GL. Kovács HU 2012 - 2017

G. Sypniewska PL 2006 - 2011

D. Williams UK 2001 - 2006

### 10.3.2. WG-IFCC News

10.3.2

#### News Editor

Katherina Psarra GR 2019 - 2024

#### Past Chairs

T.S. Pillay ZA 2013 - 2018

E. Delvin CA 2007 - 2012

E. Jacobs US 2001 - 2006

**Internet and Distance Learning (WG-IDL)**  
This WG closed in 2011

10.3.3

|              |    |             |
|--------------|----|-------------|
| <b>Chair</b> |    |             |
| T. Ta        | VN | 2009 - 2011 |

**World Wide Web WG-WWW**  
This WG closed in 2008

10.3.3

|                    |    |             |
|--------------------|----|-------------|
| <b>Past Chairs</b> |    |             |
| G. Sypniewska      | PL | 2006 - 2008 |
| C. Webster         | UK | 1999 - 2004 |

**Ibero-American Nomenclature and Translations (WG IANT)**

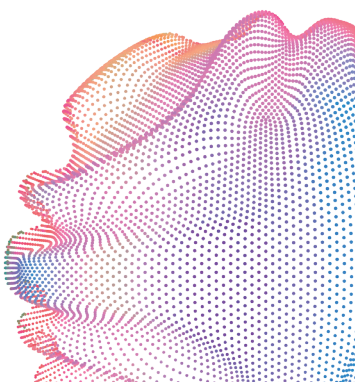
10.3.4

|              |    |             |
|--------------|----|-------------|
| <b>Chair</b> |    |             |
| R. Girardi   | AR | 2020 - 2022 |

|                       |    |             |
|-----------------------|----|-------------|
| <b>Past Chairs</b>    |    |             |
| M. del Carmen Pasquel | EC | 2014 - 2019 |
| M. Blanes Gonzalez    | PY | 2008 - 2013 |
| X. Fuentes-Arderiu    | ES | 2002 - 2008 |

|                   |    |             |
|-------------------|----|-------------|
| <b>DiV Editor</b> |    |             |
| R. Girardi        | AR | 2020 - 2022 |

|                       |    |             |
|-----------------------|----|-------------|
| <b>Past Editors</b>   |    |             |
| M. del Carmen Pasquel | EC | 2014 - 2019 |
| M. Blanes Gonzalez    | PY | 2008 - 2013 |
| X. Fuentes-Arderiu    | ES | 2002 - 2008 |



# CPD GOLDEN ACHIEVEMENTS

New IFCC Website with Content Management System  
Joint IFCC-Labs are Vital campaign  
IFCC Promotional Brochure in nine languages  
IFCC Speakers Bureau (2007)  
C-Public Relations and Siemens  
IFCC Distance Learning Program (2008)  
Spanish (Ibero-American) Nomenclature & Translations (RIA) (2010)  
IFCC on Facebook & LinkedIn (2011)  
eLearning Programme (2012)  
Clinica Chimica Acta (Elsevier) became official journal of the IFCC (2013)  
IFCC Tweeter profile and eNews Flash (2016)  
eJIFCC indexed in PubMed Central (PMC)(2016)  
IFCC Instagram account and IFCC App (2017)  
Monthly publication of IFCC eNews (2018)  
Fully Online eConferences  
Monthly WebCasts/Webinars Worldwide  
Member Surveys by all IFCC EB and all Divisions (SD, EMD, CPD, ETD)  
IFCC Curriculum development  
eAcademy as an open educational resource (<https://eacademy.ifcc.org/>)



From 2002 to 2022 the Communications and Publications Division, in addition to IFCC electronic publications, with its functional Units, published 17 publications. For more information refer to the IFCC website.

[www.ifcc.org](http://www.ifcc.org)

# EMERGING TECHNOLOGIES DIVISION

The IFCC Emerging Technologies Division (ETD) is a new Division founded in January 2018. The ETD is responsible for identifying and assessing emerging technologies such as mass spectrometry, high throughput genotyping techniques, mobile health and artificial intelligence and for translating the emerging and disruptive diagnostic and data analysis procedures from academic laboratories to clinical laboratories and from clinical laboratories to market. This division is also contributing to a better understanding of the impact of precision medicine, emerging area with tremendous potential in developing tailor-made preventive diagnostics, therapeutics, and management strategies based on an individual's "omics" profiles.

## ETD Executive committee ( ETD-EC)



Left to right: B. Gouget, M. Ferrari, S. Bernardini, M. Roessler, T. Payne,  
R. Greaves, D. Gruson, L. Kricka, S. Colli Lanzi

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|                    |                    |             |
|--------------------|--------------------|-------------|
| Chair:             | S. Bernardini (IT) | 2018 - 2023 |
| Vice-Chair:        | P. Fortina (US)    | 2018 - 2023 |
| Secretary:         | R. Greaves (AU)    | 2018 - 2023 |
| Member:            | D. Gruson (BE)     | 2018 - 2023 |
| Corporate Members: | M. Roessler (DE)   | 2018 - 2023 |
|                    | P. Yin (US)        | 2018 - 2023 |
|                    | M. Ferrari (IT)    |             |
| Consultants:       | L. Kricka (US)     |             |
|                    | H. Martin (AU)     |             |
|                    | J. Park (US)       |             |
|                    |                    |             |

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## ETD Committees

|                                                                                       |    |             |                 |
|---------------------------------------------------------------------------------------|----|-------------|-----------------|
| <b>Emerging Technologies in Pediatric Laboratory Medicine (C-ETPLM)</b>               |    |             | <b>11.02.01</b> |
| <b>Chair</b>                                                                          |    |             |                 |
| T. Lang                                                                               | UK | 2018 - 2023 |                 |
| <b>Committee on Mobile Health and Bioengineering in Laboratory Medicine (C-MHBLM)</b> |    |             | <b>11.02.02</b> |
| <b>Chair</b>                                                                          |    |             |                 |
| B. Gouget                                                                             | FR | 2018 - 2023 |                 |
| <b>Committee for Omics Translation (C-OT)</b>                                         |    |             | <b>11.02.03</b> |
| This Committee was closed in 2021 and transitioned to the new WG-M                    |    |             |                 |
| <b>Chair</b>                                                                          |    |             |                 |
| G. J. Tsongalis                                                                       | US | 2019 - 2021 |                 |

## ETD Working Groups

|                                                                                  |    |             |                 |
|----------------------------------------------------------------------------------|----|-------------|-----------------|
| <b>Volatolomics (WG-Vol)</b>                                                     |    |             | <b>11.03.01</b> |
| Closed in December 2021                                                          |    |             |                 |
| <b>Chair</b>                                                                     |    |             |                 |
| L. Kricka                                                                        | US | 2019 - 2021 |                 |
| <b>WG Guidance for the implementation of custom-made genomic panels (WG-CGP)</b> |    |             | <b>11.03.02</b> |
| <b>Chair</b>                                                                     |    |             |                 |
| J. Morrisette                                                                    | US | 2019 - 2024 |                 |
| <b>Artificial Intelligence and Genomic Diagnostics (WG-AIGD)</b>                 |    |             | <b>11.03.03</b> |
| <b>Chair</b>                                                                     |    |             |                 |
| L. Kricka                                                                        | US | 2021 - 2023 |                 |
| <b>Single Cell and Spatial Transcriptomics (WG-SCST)</b>                         |    |             | <b>11.03.04</b> |
| <b>Chair</b>                                                                     |    |             |                 |
| AP South                                                                         | US | 2021 - 2023 |                 |
| <b>Metabolomics (WG-M)</b>                                                       |    |             | <b>11.03.05</b> |
| <b>Chair</b>                                                                     |    |             |                 |
| E. Fux                                                                           | DE | 2021 - 2023 |                 |
| <b>Method Evaluation Protocols (WG-MEP)</b>                                      |    |             | <b>11.03.06</b> |
| <b>Chairs</b>                                                                    |    |             |                 |
| R. Greaves                                                                       | AU | 2022 - 2024 |                 |
| TP Loh                                                                           | SG | 2022 - 2024 |                 |

## ETD GOLDEN ACHIEVEMENTS

Creation of an informed and empowered community of providers, innovators and changemakers from 28 countries to share expertise, collaborate over borders and foster innovation both individually and as a group for a better understanding of the cutting edge and emerging technologies. Organisation of numerous innovative scientific networking events for building connections and matchmaking with startups, and industry at large. Survey of the diagnostic applications of volatolomics. Survey on m-Health to provide appropriate training opportunities to healthcare and lab professionals. Promotion of digital health literacy and evaluation of the impacts for chronic diseases management as in cardiology. Insights into the application of artificial intelligence and ethics in lab medicine.

**Principles publication:** Key questions about the future of laboratory medicine in the next decade of the 21st century: A report from the IFCC-Emerging Technologies Division". CCA 2019; Aug;495:570-589.

From 2018 to 2020 the Emerging Technologies Division, with its functional Units, published 3 publications.

# TASK FORCE

## YOUNG SCIENTISTS

The aim of TF-YS is to ensure that young scientists make a significant and growing contribution to the activities of IFCC. The objective is to identify young scientists (below 40) amongst IFCC community. They establish interactive networks to share experiences and to promote innovation and high quality scientific and clinical practice standards. Their participation in IFCC activities grants the future of IFCC.



Left to Right: S. Fares Taie, M. Lenski, G. Boursier, G. Lima Oliveira, P.K. Dabla, D. Gruson, O. Popoola, J.M. Bauçá Rosselló, D. Lee, M. Savkovic

|              |                     |             |
|--------------|---------------------|-------------|
| Chair:       | S. Fares Taie (AR)  | 2020 - 2022 |
| Co-Chair:    | G. Sancesario (IT)  | 2020 - 2022 |
| Members:     | C. Imperiali (ES)   | 2020 - 2022 |
|              | I.W. Masfufa (ID)   | 2020 - 2022 |
|              | A. Rampul (ZA)      | 2022 - 2024 |
|              | S. Campbell (US)    | 2022 - 2024 |
|              | P. Kumar Dabla (IN) |             |
| Consultants: | D. Gruson (BE)      |             |
|              | T. Ozben (TR)       |             |
| EB Liaison:  | B. Das (IN)         |             |

### Past Chairs:

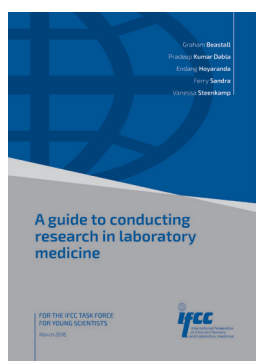
|                 |             |
|-----------------|-------------|
| P.K. Dabla (IN) | 2014 - 2019 |
| G. Ko (FR)      | 2013        |
| D. Gruson (BE)  | 2010 - 2012 |



# YS GOLDEN ACHIEVEMENTS



## TF YS RESEARCH GUIDE



## A guide to conducting research in laboratory medicine

by Graham Beastall, Pradeep Kumar Dabla, Endang Hoyeranda, Ferry Sandra, Vanessa Steenkamp

The aim of this publication is to provide insight into the research process and an overview of the strengths and weaknesses of different research methods to young scientists at various levels of their profession and career.

YS are on the social media [in](#) [f](#) [t](#) [@](#)

## RADIO EL MICROSCOPIO



Online radio (podcast) with professional news and interviews with the world's top scientists.

## LAB SURFING [www.lab-surfing.com](http://www.lab-surfing.com)



Lab-Surfing is a Laboratory professional social media designed and created in order to fulfill the unattended needs of Young Scientists (YS)

# IFCC INITIATIVES FOR THE YS

## IFCC Professional Exchange Programmes ( PEP)



IFCC offers a small number of scholarships each year to facilitate professional exchange programmes for young scientists. IFCC has developed two categories of professional exchange programme: Professional Scientific Exchange Programme (PSEP), Professional Management Exchange Programme (PMEP)

## APFCB Scholarship Awardees with IFCC authorities



IFCC President, Prof. M. Ferrari, APFCB Congress President, Prof. P. Sharma, and representatives of the IFCC Task Force for Young Scientists among them.

Congratulations to: Yati Sumiyati (ID), Joseph Dian Bondu (IN Full), Ray Lopamudra (IN Aff), David Enoch Kawalya (KE), Nada Yousfi (TN), Itua Akhabue Igene (NG), Sangita Gimire (NP Full)



## Mentoring Programme



The Mentoring Program is designed to guide a mutual relationship between an experienced specialist in Lab Medicine (mentor) and a young scientist (mentee).



## AFCC Scholarship Awardees with IFCC authorities



Congratulations to: Eliane Zgheib (LB), Idris Yahaya Mohammed (NG), Lucius Chidiebere Imoh (NG), Dineo Valencia Mabuza (ZA), Mutale Mubanga (ZM).

## Professional Scientific Exchange Programme



March - May 2018, PSEP: Alba Alonso Llorente, at Prof Céline Verstuyft Pharmacogenetics Laboratory, in the Hôpital Bicêtre, at Le Kremlin Bicêtre, France

## COLABIOCLI IFCC and IFCC Roche Scholarship



COLABIOCLI Scholarships Reception with Awardees and, L-R: EB COLABIOCLI Representative, Dr. R.I. Sierra-Amor, IFCC President, Prof. M. Ferrari, IFCC Treasurer, Prof. T. Ozben  
 Congratulations to: Alvaro Paul Justiniano Cortez (BO), Harlem Róterdam de León Natareno (GT), Patricia Elizabeth Osorio Pozo (EC), Carmen Maria Castro Ruiz (CO), Jorge Hernández-Bello (MX), Aurora Amarilla (PY)

## EuroMedLab Barcelona 2019 - IFCC Roche Scholarship



May 2019, IFCC ROCHE Travel Scholarship recipients group in Barcelona along with IFCC authorities and members of the IFCC TF-YS

# IFCC LIVE WEBINARS SERIES

**IFCC Webinars**

Sponsored by  
**Siemens Healthineers**  
**Boston Children's Hospital**

**Live Series  
2022**

[www.ifcc.org](http://www.ifcc.org)



In an increasingly connected world where more and more can be accomplished through the Internet, one of the latest educational trends is online or distance learning.

Distance learning/eLearning, is a major mandate of the IFCC.

As part of this strategy, since 2020 the IFCC has developed and provided both live and recorded webinars given by experts around the world via the WorkCast platform.

This is an important way by which IFCC can give back to the national societies and their members around the world. The IFCC will strive to be the largest provider of free eLearning programs in the field of laboratory medicine globally.

Medicine Laboratory has so many areas and our aim is to cover all those areas providing high educational material from our best specialists of those areas!

Our live webinars are interactive: indeed they include 3 presentations and a 20 minutes "Question & Answer" session where attendees can ask questions directly to the presenters.

A special thanks goes to our IFCC officers who contributed with their expertise and knowledge.

## From 2020 to 2022

**40** webinars

**120** presentations

**60** hours

**100+** speakers

**120.000+** participants from all over the globe!

**130+** countries

All IFCC Webinars are available into the IFCC eAcademy



## IFCC WEBINARS COORDINATORS

|                     |                                               |             |
|---------------------|-----------------------------------------------|-------------|
| Agustina Fares-Taie | (AR) Coordinator for Latin/North America area | 2021 – 2023 |
| Paul Hamilton       | (UK) Coordinator for Europe and Africa area   | 2021 – 2023 |
| Rojeet Shrestha     | (NP) Coordinator for Asia Pacific area        | 2021 – 2023 |



# IFCC FOUNDATION FOR EMERGING NATIONS



The IFCC Foundation for Emerging Nations (FEN) is a non-profit making Charitable Trust established in 2016 under Swiss Law by the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC). The FEN is devoted to fund raising and to supporting programmes that help to improve the quality and delivery of laboratory medicine services, particularly in emerging nations.

## FEN Board of Directors

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Graham H Beastall (UK), Chair

Michelle Rossier (CH)

Thomas Brinkmann (DE)

Lucia Monaco (IT)

Tomris Ozben (TR)

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## DONATIONS

|                 |                                      |
|-----------------|--------------------------------------|
| Bank:           | Credit Suisse, Geneva, Switzerland   |
| Account Name:   | IFCC Foundation for Emerging Nations |
| SWIFT code:     | CRESCHZZ12A                          |
| IBAN:           | CH33 0483 5158 8655 2100 0           |
| Account number: | 0251-1588655-21                      |



## Projects supported by FEN:

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“Lab Surfing”: A resource to facilitate global exchange between young scientists (2016). “Lab Surfing” is a project designed by TF-YS and proposed by YS from Argentina, India and Nigeria.

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“Adopt a Professional”: Collaboration to support the training of laboratory medicine specialists. This project is a collaboration between the FEN and the Società Italiana di Biochimica Clinica e Biologia Molecolare Clinica (SIBioC) (2017-2018)

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“AFCC AfricaMedLab Internet Radio” (2017). The “El Microscopio” team (AR) are supporting the development of internet radio in Africa

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External assessment of proficiency of malaria microscopists and laboratory capacity in districts stratified for malaria elimination in Ethiopia (2017)

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The FEN-SNIBE “Support a Professional Programme” (2019) enabled Dr Sibtain Ahmed from Pakistan to spend three months in the laboratory of Prof Tomris Ozben in Antalya, Turkey. During this visit Dr Ahmed experienced specialist technologies and participated in the quality management system

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## UPCOMING CONGRESSES





International Federation  
of Clinical Chemistry  
and Laboratory Medicine



**The IFCC Milestones 2002-2022 booklet is  
dedicated to Professor Howard Morris who  
occupied, with boundless enthusiasm, a unique  
position in the history of the IFCC**

Prof. Howard MORRIS and his wife Helen MARTIN



**IFCC MILESTONES 2022**  
GOLDEN ACHIEVEMENTS

70<sup>th</sup> ANNIVERSARY SPECIAL EDITION

