

EDUCATION AND MANAGEMENT DIVISION

Chair: Leslie Lai

EDUCATION AND MANAGEMENT DIVISION EXECUTIVE COMMITTEE



From Left to Right:

Christoph Ebert - Corporate Representative; **Silvia Cardinale** - IFCC Office; **Paolo Fortina** - member;
Elizabeth Frank - Secretary; **Leslie Lai** - Chair ; **Anna Leticia Maselli** - member.

EMD Committees

- Clinical Molecular Biology Curriculum (C-CMBC)
- Analytical Quality (C-AQ)
- Evidence-Based Laboratory Medicine (C-EBLM)
- Clinical Laboratory Management (C-CLM)
- Distance Learning (C-DL)
- Education in the Use of Biomarkers in Diabetes (C-EUBD)
New committee 2016

EMD Working Groups

- Laboratory Errors and Patient Safety (WG-LEPS)
- Flow Cytometry (WG-FC)
- Cancer Genomics (WG-CG)
Commenced in 2015
- Harmonisation of Interpretative Comments EQA (WG-ICQA)
Commenced in 2015

EMD Special Projects

- IFCC Visiting Lecturer Programme (IFCC-VLP)
- Developing Quality Competence in Medical Laboratories (DQCML)
- IFCC Mentoring Programme for Developing Countries (MENT)
Placed under the EMD in 2015

C-CMBC (Chair: Evi Lianidou)

- Lab in a suitcase concept
- Hosting country sends a Trainee prior to the course to a C-CMBC central laboratory (Mannheim, Univ. of Heidelberg, Germany) to become acquainted with all the laboratory techniques and protocols to be used during the course.
- After returning back to the course venue-country, the trainee receives the lab-in-a-suitcase, a custom-made aluminum case on rollers packed with all necessary equipment.
- The trainee's task is to set up the laboratory prior to the C-CMBC tutors arrival, thus providing students with simple and robust equipment that is cheap to purchase and reliable to use in their real laboratory environment.

C-CMBC Course 2015

- Organised and held the 7th Course on “MOLECULAR DIAGNOSTICS FOR BEGINNERS” on 12th – 17th of July 2015, in Vilnius, Lithuania. Ms Liucija Bikauskaitė, medical geneticist, Department of Human and Medical Genetics, Vilnius, Lithuania was nominated as the IFCC Junior member from Lithuania.

C-CMBC Courses

- Syria (2009)
- Uruguay (2010)
- Guatemala (2011)
- Malaysia (2012)
- South Africa (2013)
- Philippines (2014)
- Lithuania (2015)
- Ethiopia (2016) to be confirmed

C-CMBC Symposium at EuroMedLab Athens 2017

“The Liquid Biopsy approach: Following the tumor in peripheral blood”

- Evi Lianidou (Greece) : The liquid biopsy approach: Following the tumor in peripheral blood
- Klaus Pantel (Germany) Biology and clinical implications of Circulating Tumor Cells (CTCs)
- Evi Lianidou (Greece) : CTC analysis: An overview of CTC isolation, detection and molecular characterization technologies
- Dave Hoon (USA) : Circulating tumor DNA (ctDNA): Detection systems and clinical significance in cancer
- Massimo Cristofanilli (USA) : Clinical significance of CTC detection and molecular characterization in breast cancer

C-AQ (Chair: Egon Amann)

- Regular updating of the “Directory of EQA Services” in the C-AQ section of the IFCC website
- Further develop the “EQA Setup Checklist” in the C-AQ section of the IFCC website
- Regular updating of the existing “Resource table for EQA” database
- Develop eLearning presentation on “Principles of EQA” and “Principles of IQC”

C-AQ

- Joint C-AQ / C-CLM workshop “What is the best strategy to achieve compliance with QMS and QC-requirements in the clinical laboratory?” at the IFCC General Conference in Madrid in 2016
- Conduct at least one additional AQ workshop upon request in 2016

C-EBLM (Chair: Chris Florkowski)

- Has completed two modules for the IFCC e-Academy
- Will undertake a Guidelines review on an endocrine topic
- Prepare an EBLM questionnaire with a view to global distribution
- Conduct a symposium at the IFCC WorldLab in Durban in 2017
- Explore options for building connections with social media

C-CLM (Chair: Sedef Yenice)

- Prepare a joint C-AQ/C-CLM publication on “Developing Quality Systems in the Clinical Laboratory” aimed at developing countries by the end of 2016
- Conduct an interactive workshop on “What is the best strategy to achieve compliance with QMS- and QC-requirements in the clinical laboratory?” jointly with C-AQ on 20 March 2016
- Develop “Training Module on Leadership” at the C-CLM section of IFCC website.

C-DL (Chair: Janet Smith)

- Approve educational material to be made available on or through the IFCC website
- Continue with the development of the IFCC curriculum
- Continue to develop the e-Academy in collaboration with the Committee on Internet and e-Learning (C-IeL)
- Further develop the mass spectrometry area of the e-Academy

C-DL

- Present workshop on using the e-Academy to aid National Societies and individual laboratory professionals in training and CPD programmes, during the IFCC General Conference in Madrid, in collaboration with the C-IeL
- Continue collaborating with other EMD committees in the development of e-learning modules
- Identify relevant presentations from IFCC and National Society conferences for recording to populate the e-Academy

C-EUBD (Chair: Garry John)

- New committee
- Met for the first time in Madrid to formulate their work plan
- Keynote lecture: “Crossing science and education: HbA1c analysis: Understanding what is measured fundamental to interpretation” by Garry John

WG-LEPS (Chair: Laura Sciacovelli)

- Organisation of a Consensus Conference that aims to approve the Model of Quality Indicators (MQI) to be used in clinical laboratories over the world and to define the criteria to evaluate the quality indicator data (quality specifications)
- The Consensus Conference may be held in October 2016
- Specific activities will be implemented to stimulate clinical laboratories to use the MQI
- Encourage laboratories all over the world to enrol in the project (free)

WG-FC (Chair: Ulrich Sack)

- Conduct one course annually in Europe sponsored by Beckman Coulter
 - February 23 to 25 2012 in Leipzig, Germany
 - April 11-13 2013 in St Etienne, France
 - April 24 to 26 2014 in Vienna, Austria
 - October 27 to 29 2015 in Athens, Greece
 - 2016 course in St Petersburg, Russia, to be confirmed
- Conducted for the first time a course in Latin America (Cordoba, Argentina) from 9 to 11 March 2016

WG-CG

(Chair: Jason Park, Co-Chair: Paolo Fortina)

- The Cancer Genomics Working Group (WG-CG) will assess the current technologies, laboratory standards and regulations to develop a framework to guide clinical laboratories performing cancer genomic testing
- Discussion of future standards and terminology specific to circulating nucleic acids (i.e., liquid biopsies, circulating tumour cells and cell free DNA)
- Symposium on Clinical Laboratory Cancer Genomics at the 2016 APFCB Congress in Taiwan

Clinical Laboratory Cancer Genomics Symposium at APFCB Congress, Taipei, 2016

- Paolo Fortina: Emerging Technologies for Clinical Cancer Genomics
- David H Wang: Using Clinical Genomics to Manage and Treat Patients with Cancer
- Jason Park: Standards for Cancer Genomic Clinical Laboratories

WG-ICQA (Chair: Samuel Vasikaran)

- Develop harmonised goals for EQA of Interpretative Comments
- Devise standard methods of assessment, nomenclature and marking scales for EQA of IC
- Seek input from similar schemes in other Pathology disciplines such as Histopathology. Continue discussions with the RCPA histopathology EQA group
- Publication of a position paper by the end of 2016

DQCML (Chair: Michael Thomas)

- Hold at least one face-to-face meeting of the DQCML Project team each year; for 2016 this was held on 18 March in association with the IFCC General Conference
- Ensure that any presentations delivered under the auspices of the DQCML Project can subsequently be made available through appropriate electronic means via the IFCC website and e-Academy

DQCML

- To seek to engage and assist IFCC Members in the development of Quality Systems in their countries
 - To follow-up with the President of the Association of Clinical Biochemistry of Sri Lanka to identify the needs of laboratories in Sri Lanka for accreditation (ISO 15189) and support the organisation and delivery of a 2-day accreditation workshop in 2016
 - To follow-up with the President of the Ukrainian Society of Clinical Laboratory Diagnostics to identify the needs of laboratories in Ukraine and formulate a programme plan for delivery in 2016

DQCML

- Provided a grant in 2015 for the EQA Zambia Project being led by Dr Renze Bais
- To determine those activities that may be appropriate in supporting the aims of Malawi to develop a programme of Quality Competence following an exploratory visit and report by the IFCC Past-President, Graham Beastall in January 2016

MENT (Chair: Donald Young)

- Aims to make available to laboratory directors in developing countries the expertise and knowledge of a selected group of laboratory directors from developed countries
- A pool of Mentors has been created each of whom will provide one-to-one support to laboratory directors (Associates) from developing countries.
- Associates are nominated by IFCC Member societies and are matched with the most suitable Mentor
- The ratio of one Mentor to three Associates will be increased to one Mentor to five Associates

MENT

- Repeat mailing to Latin American potential Mentors and Associates who have not followed up and match appropriately Mentors and Associates from the region who have responded
- Use General Conference to recruit additional Mentors and Associates
- A SurveyMonkey survey conducted early in 2015 indicated general satisfaction with the programme
- Conduct another SurveyMonkey survey of both Mentors and Associates in 2016

IFCC Visiting Lecturer Programme (IFCC VLP) (Chair: Elizabeth Frank)

- Generously supported by Abbott Diagnostics from 2007 till 2014
- In 2015, IFCC funded the IFCC VLP
- In 2015, IFCC Visiting Lecturers to Full and Affiliate member societies in 16 countries were approved
- In 2016, IFCC Visiting Lecturers have been approved for 5 countries



Thank You