

## IFCC REPORT

### CCU MEETING OCTOBER 8TH 2019 - SEVRES

The International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) is involved in many scientific and educational activities on a worldwide basis.

Four divisions are working under the management of the Executive Board : Scientific Division (SD), Educational and Management Division (EMD), in charge of educational actions, Communication and Publications Division (CPD) and Emerging Technologies Division (ETD), aiming at identifying new technologies in Laboratory Medicine.

The Scientific Division is especially involved in scientific activities, most of them being devoted in the standardization and/or harmonization of laboratory tests. The Scientific Division promotes the concepts of metrological traceability and applies them to Laboratory Medicine.

The Scientific Division manages 7 theme-oriented Committees (Nomenclature, Properties and Units (C-NPU) in collaboration with IUPAC ; Molecular Diagnostics (C-MD) ; Traceability in Laboratory Medicine (C-TLM) ; Reference Intervals and Decision Limits (C-RIDL) ; Standardization of Thyroid Function Tests (C-STFT) ; Harmonization of Autoimmune Tests (C-HAT) ; Bone Metabolism (C-BM)) and 15 tasks-oriented Working Groups (Standardization of Hemoglobin A<sub>2</sub> (WG-HbA<sub>2</sub>) ; Carbohydrate-Deficient Transferrin (WG-CDT) ; Standardization of Albumin Assay in Urine (WG-SAU) in collaboration with NKDEP ; Standardization of Pregnancy-Associated Plasma Protein A (WG-PAPPA) ; Growth Hormone (WG-GH) ; Standardization of Insulin Assays (WG-SIA) in collaboration with ADA/EASD ; Standardization of Troponin I (WG-TNI) ; CSF-Proteins (WG-CSF) ; Commutability (WG-C) ; Immunosuppressive Drugs (WG-ID) ; Apolipoproteins by Mass Spectrometry (WG-APO MS) ; Pancreatic Enzymes (WG-PE) ; Fecal Immunochemical Testing (WG-FIT) ; Cell free DNA and related circulating biomarkers (WG-cfDNA) ; Standardization of Procalcitonin assays (WG-PCT) ; Continuous Glucose Monitoring (WG-CGM)).

Most recent outcomes include the achievement of CDT standardization and the ongoing standardization of HbA<sub>2</sub> assays. Besides traditional topics devoted to Clinical Chemistry, SD activities are extending to other fields of Laboratory Medicine, related to clinical genomics, fecal analysis and *in vitro* diagnosis devices (metrological traceability of continuous glucose monitoring determinations).

The Scientific Division continues to develop its partnership with international organizations and all relevant stakeholders to promote the implementation of the concepts of metrological traceability in Laboratory Medicine.

- Joint Committee on Traceability in Laboratory Medicine (JCTLM) ([www.bipm.org/jctlm](http://www.bipm.org/jctlm)).
- Joint Committee for Guide in Metrology (JCGM) : IFCC-SD is also involved in JCGM activities and has representatives in Working Group 1 (GUM) and Working Group 2 (VIM).
- BIPM and National Metrology Institutes (NMIs) : During the last two years, IFCC-SD has strongly increased its relationships with BIPM and NMIs, participating in several european and international networks, and in congresses or workshops organized by metrology institutes. A memorandum of understanding is currently in preparation between IFCC and BIPM.
- Specific relations have been established since many years with JRC, CLSI (several IFCC members are members of CLSI committees), NIST and NISBC.
- World Health Organization (WHO) : IFCC-SD is involved in the activities of the Expert Committee for Biological Standardization (ECBC).

All information regarding IFCC and IFCC-SD activities including publications is available on the IFCC website ([www.ifcc.org](http://www.ifcc.org)).