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To: IFCC Full and Affiliate Members' Representatives Corporate Members' Representatives

Dear All,

As of January 2019 the IFCC has recently created a Committee on “**Bone Metabolism (C-BM)**”, formed by the joining of the already existing Working Groups:

- Standardization of Bone Markers Assays (WG-BMA) in collaboration with IOF
- Parathyroid Hormone (WG-PTH)
- Vitamin D Standardization Program (WG-Vit D)

The Committee on Bone Metabolism will be chaired by **Prof. Etienne Cavalier**, Head of the Department of Clinical Chemistry at the University of Liège (etienne.cavalier@chu.ulg.ac.be) and current Chair of the WG-BMA.

The Membership will be composed by the Chair and 4 Members, out of these one position will be reserved for a young scientists (less than 40 years).

The Terms of Reference of the new functional units are following ones:

- Standardize PTH assays
- Standardize or harmonize bone markers assays
- Standardize vitamin D metabolites assays

As current Projects the Committee will focus on:

1. PTH assays

- Create liaison with International Endocrinological, Rheumatological and Nephological organizations
- Define the measurand (what we need to measure for all clinical situations)
- Develop a reference measurement procedure for PTH(1-84) and moieties of clinical interest
- Evaluate the commutability of PTH International standard PTH 95/646 and the need to create primary reference material
- Replicate the RMP in a second lab and create a network of 3-4 reference labs
- Create an accuracy-based external quality assessment scheme
- Constitute an appropriate and international panel of sera and plasma to establish PTH reference intervals
- Specify performance criteria for RMP and routine methods
- Provide services to manufacturers, notably by providing a reliable source for primary reference materials
- Post-survey of the standardization effects

2. Bone markers assays

- Continue the liaison with IOF and extend to other relevant international societies
- Current CTX and PINP project:**
- complete the multicenter study and harmonize CTX and PINP assays
 - Collaborate with EQAS provider(s) to improve the surveys
 - Constitute an appropriate and international panel of sera and plasma to establish CTX and PINP reference intervals
 - Post-survey of the standardization/harmonization effects.
- Future projects:**
- Select biomarkers to be standardized/harmonized (e.g.: bone alkaline phosphatase, FGF-23, sclerostin).

3. Vitamin D metabolites

- Re-evaluate current VDSP performance guidelines for 25(OH)D
- Establish VDSP performance guidelines for 24,25(OH)2D, C3-epimer and vitamin D binding protein
- Post-survey of the standardization effects
- Propose services to reassess the true value of 25OHD obtained in former epidemiological or interventional studies that had used non-standardized methods

Nominations should be directly sent to the IFCC Office (paola.bramati@ifcc.org) using the attached Application Form **by January 7th 2019**.

Additional information on the projects of C-BM can be obtained by Prof. Cavalier.

Following approval, the candidates will be appointed for a three-year term on the Committee. A second three-year term is allowed following satisfactory review at the end of the first term by the Scientific Division Executive Committee and consultation with the C-BM Chairman.

Looking forward to receiving your nominations, we thank you for your cooperation,

Sincerely yours



Prof. Philippe Gillery
Chair, Scientific Division



Prof. Etienne Cavalier
Chair, Committee on Bone Metabolism