



## REPORT OF MAIN CIRME 2014-2015 ACTIVITIES

1. **Accreditation of reference laboratory services extended till Dec 2017 (see encl. 1 – Accreditation certificate)**
2. **List of activities commissioned by European Commission, Joint Research Center, Institute for Reference Materials and Measurements (IRMM), Belgium**
  - a. 2014, IRMM: BCR 522 measurements
  - b. 2014, IRMM: HbA<sub>1c</sub> in purified HBA1c
  - c. 2014, IRMM: Commutability study for the development of CRM for beta-2-microglobulin
  - d. 2014, IRMM: Value Assignment of beta-2-microglobulin from a Primary Reference Preparation and to the ERM-DA470k/IFCC
  - e. 2015, IRMM: Commutability of LDH, CK and ALT candidate CRMs
  - f. 2015, IRMM: LDH, CK and ALT Feasibility study for Certification of Reference Materials for LDH, CK and ALT
  - g. 2015, IRMM: Value assignment using the IFCC Reference Procedure for LDH, CK and ALT
3. **Organization of International CIRME Meetings**
  - a. 8th International Scientific Meeting and 1st EFLM Strategic Conference: “Defining analytical performance goals 15 years after the Stockholm Conference”. Milan, 24th-25th November 2014
  - b. 9th International Scientific Meeting - Structuring EQAS for meeting metrological criteria: ready for prime time. November 27, 2015
4. **Main publications in the field of metrological traceability**
  - a. Carobene A, Ceriotti F, Infusino I, et al. Evaluation of the impact of standardization process on the quality of serum creatinine determination in Italian laboratories. *Clin Chim Acta* 2014;427:100-6.
  - b. Tate JR, Johnson R, Barth JH, Panteghini M. Harmonization of laboratory testing – A global activity. *Clin Chim Acta* 2014;432:1-3.
  - c. Tate JR, Johnson R, Barth JH, Panteghini M. Harmonization of laboratory testing – Current achievements and future strategies. *Clin Chim Acta* 2014;432:4-7.
  - d. Braga F, Panteghini M. Verification of in vitro medical diagnostics (IVD) metrological traceability: responsibilities and strategies. *Clin Chim Acta* 2014;432:55-61.
  - e. Dolci A, Panteghini M. Harmonization of automated hemolysis index assessment and use: is it possible? *Clin Chim Acta* 2014;432:38-43.
  - f. Barth JH, Panteghini M, Bunk DM. Recommendation to harmonize the units for reporting cardiac troponin results. *Clin Chim Acta* 2014;432:166.
  - g. Mosca A, Weykamp C. Feasibility of an EQAS for HbA<sub>1c</sub> in Italy using fresh blood samples. *Clin Chem Lab Med* 2014;52:e151-3.
  - h. Braga F, Ferraro S, Mozzi R, Panteghini M. The importance of individual biology in the clinical use of serum biomarkers for ovarian cancer. *Clin Chem Lab Med* 2014;52:1625-31.
  - i. Lippi G, Banfi G, Church S, et al. European Federation for Clinical Chemistry and Laboratory Medicine Working Group for Preanalytical Phase. Preanalytical quality improvement. In pursuit of harmony, on behalf of European Federation for Clinical Chemistry and Laboratory

- Medicine (EFLM) Working group for Preanalytical Phase (WG-PRE). *Clin Chem Lab Med* 2015;53:357-70.
- j. Simundic AM, Cornes MP, Grankvist K et al. Colour coding for blood collection tube closures - a call for harmonisation. *Clin Chem Lab Med*. 2015;53:371-6.
  - k. Tate JR, Bunk DM, Christenson RH, et al. Evaluation of standardization capability of current cardiac troponin I assays by a correlation study: results of an IFCC pilot project. *Clin Chem Lab Med* 2015;53:677-690.
  - l. Panteghini M, Sandberg S. Defining analytical performance specifications 15 years after the Stockholm conference. *Clin Chem Lab Med* 2015;53:829–32.
  - m. Sandberg S, Fraser CG, Horvath AR, Jansen R, Jones G, Oosterhuis W, Petersen PH, Schimmel H, Sikaris K, Panteghini M. Defining analytical performance specifications: Consensus Statement from the 1st Strategic Conference of the European Federation of Clinical Chemistry and Laboratory Medicine. *Clin Chem Lab Med* 2015;53:833–5.
  - n. Braga F, Infusino I, Panteghini M. Performance criteria for combined uncertainty budget in the implementation of metrological traceability. *Clin Chem Lab Med* 2015;53:905–12.
  - o. Braga F, Ferraro S, Ieva F, Paganoni A, Panteghini M. A new robust statistical model for interpretation of differences in serial test results from an individual. *Clin Chem Lab Med* 2015;53:815-22.
  - p. Pasqualetti S, Infusino I, Carnevale A, Szőke D, Panteghini M. The calibrator value assignment protocol of the abbott enzymatic creatinine assay is inadequate for ensuring suitable quality of serum measurements. *Clin Chim Acta* 2015;450:125-6.
  - q. Topic E, Nikolac N, Panteghini M, et al. How to assess the quality of your analytical method? *Clin Chem Lab Med* 2015;53:1707-18.
  - r. Szőke D, Carnevale A, Pasqualetti S, Braga F, Paleari R, Panteghini M. More on the accuracy of the Architect enzymatic assay for hemoglobin A1c and its traceability to the IFCC reference system. *Clin Chem Lab Med*. 2015 Aug 18. pii: /j/cclm.ahead-of-print/cclm-2015-0550/cclm-2015-0550.xml. doi: 10.1515/cclm-2015-0550. [Epub ahead of print].