

CIRME



UNIVERSITÀ DEGLI STUDI
DI MILANO

Centro Interdipartimentale per
la Riferibilità Metrologica in
Medicina di Laboratorio
(CIRME)

The Research Centre for Metrological Traceability in Laboratory Medicine (CIRME)

*created on 2006 with the scope to
join in a sole entity scientists and
activities of various Departments of
the University of Milan interested in
the development of reference
methods and calibration materials of
high metrological order in the field
of biomedical diagnostics.*

Direttore: Prof. Mauro Panteghini

sito web: <http://users.unimi.it/cirme>

UNIVERSITÀ DEGLI STUDI DI MILANO
Centro Interdipartimentale per la Riferibilità Metrologica in Medicina di Laboratorio (CIRME)
 under the auspices of
ifcc
 The Joint Committee for Traceability in Laboratory Medicine
5th International Scientific Meeting
STANDARDIZATION OF HETEROGENEOUS ANALYTE MEASUREMENTS: THE EXAMPLE OF HEMOGLOBIN A1c
 Scientific Meeting
 6 November 2007
 MILANO - Università degli Studi di Milano
 Aula Magna - Università degli Studi di Milano
 Via Festa del Perdono, 4
 20122 Milano, Italy

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Centro Interdipartimentale per la Riferibilità Metrologica in Medicina di Laboratorio (CIRME)
 under the auspices of
ifcc
 The Joint Committee for Traceability in Laboratory Medicine
2nd International Scientific Meeting
STANDARDIZATION IN CLINICAL ENZYMOLOGY: A CHALLENGE FOR THE THEORY OF METROLOGICAL TRACEABILITY
 25 November 2008
 MILANO
 Aula Magna - Università degli Studi di Milano
 Settimane Scientifiche Internazionali
 Università degli Studi di Milano
 Via Festa del Perdono, 4
 20122 Milano, Italy

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 under the auspices of
ifcc
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1st International Scientific Meeting
STANDARDIZATION OF PROTEIN BIOMARKER MEASUREMENTS: NEW INITIATIVES FOR REFERENCE MEASUREMENT SYSTEMS
 17 November 2009
 MILANO
 Aula Magna - Università degli Studi di Milano
 Settimane Scientifiche Internazionali
 Università degli Studi di Milano
 Via Festa del Perdono, 4
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4th International Scientific Meeting
RETHINKING QUALITY CONTROL IN THE TRACEABILITY ERA
 NOVEMBER 20th, 2010
 Aula Magna - Settimane Scientifiche Internazionali
 Università degli Studi di Milano
 Via L. Mangiapani 25, Milano
 External Quality Assessment Program (Italy) 2010

UNIVERSITÀ DEGLI STUDI DI MILANO
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 under the auspices of
ifcc
 The Joint Committee for Traceability in Laboratory Medicine
3rd International Scientific Meeting
STANDARDIZATION OF CARDIAC TROPONIN I: THE ONGOING INTERNATIONAL EFFORTS
 24-25 November 2011
 MILANO
 Aula Magna - Settimane Scientifiche Internazionali
 Università degli Studi di Milano
 Via Festa del Perdono, 4
 20122 Milano, Italy

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6th International Scientific Meeting
NEW BIOLOGIC AND ANALYTIC ISSUES ON HEMOGLOBIN A_{1c} AND OTHER MINOR HEMOGLOBINS
 November 27th, 2012
 MILANO
 Aula Magna - Settimane Scientifiche Internazionali
 Università degli Studi di Milano
 Via Festa del Perdono, 4
 20122 Milano, Italy

ifcc
20th IFCC-IFML European Congress of Clinical Chemistry and Laboratory Medicine
4th Congress of the Italian Society of Clinical Chemistry and Clinical Analytical Chemistry (SICCA)
POST-CONGRESS SATELLITE MEETINGS
 May 24th, 2013
CIRME
7th CIRME International Scientific Meeting
Metrological traceability and assay standardization
 in cooperation with Interdepartmental Centre for Metrological Traceability in Laboratory Medicine, University of Milano
 Sesto, Italy
 Via Sesto, 15
 20090 Sesto San Giovanni, Milano, Italy

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6th International Scientific Meeting
STRUCTURING EQAS FOR MEETING METROLOGICAL CRITERIA: READY FOR PRIME TIME
 NOVEMBER 27th, 2015
 MILANO, ITALY
 Aula Magna - SETTIMANE SCIENTIFICHE INTERNAZIONALI
 Università degli Studi di Milano
 Via L. Mangiapani 25, Milano

CIRME
1st EFLM Strategic Conference
Defining analytical performance goals 15 years after the Stockholm Conference
6th CIRME International Scientific Meeting
 MILANO (IT)
 24-25 November 2014
 The Stockholm conference in 1999 entitled "Optimizing Laboratory Performance in the 21st Century" was a landmark in trying to achieve a common goal: to improve the quality of laboratory testing. It was a milestone in the history of metrology in laboratory medicine. It is time to re-evaluate the progress made and to define new performance goals. This is the first of a series of meetings that will be organized by the IFCC and the EFLM. The first meeting will be held in Milan, Italy, on November 24-25, 2014. The meeting will be held in a historic building, the Aula Magna, in the heart of the city. The meeting will be held in Italian and English. The meeting will be held in a historic building, the Aula Magna, in the heart of the city. The meeting will be held in Italian and English. The meeting will be held in a historic building, the Aula Magna, in the heart of the city. The meeting will be held in Italian and English.

SCIENTIFIC COMMITTEE
 Milena Paganoni, Italy - Co-Chair
 Soren Sandberg, Norway - Co-Chair
 Colleen Fraser, UK
 Andrea Rita Horvath, Australia
 Rob Jirgens, The Netherlands
 William Jones, Australia
 Peter W. Murray, The Netherlands
 Hilde S. Halvorsen, Denmark
 Ken Sikary, Austria

ORGANIZING SECRETARAT
 IFCC Congress of
 Via Carlo Farini, 81 - 20159 Milano - Italy
 Tel. +39 02 58002232 and 58002233
 Fax +39 02 58002231
 Mail: congress@ifcc.org ifcc@ifcc.org

VENUE OF THE CONFERENCE
 Aula Magna, Università degli Studi di Milano
 Via Luigi Sturzo, 45
 20123 Milano, Italy
<http://www.aulamagna.it/en/venue>

Requirements for the applicability of EQAS results in the evaluation of the performance of participating laboratories in terms of traceability of their measurements

Feature	Aim
EQAS materials value-assigned with reference procedures by an accredited ref. laboratory	To check traceability of commercial system to reference systems
Proved commutability of EQAS materials	To allow transferability of participating laboratory performance to the measurement of patient samples
Definition and use of the clinically allowable measurement error	To verify the suitability of laboratory measurements in clinical setting



Unique benefits of EQAS that meet metrological criteria

- Giving objective information about quality of individual laboratory performance
- Creating evidence about intrinsic standardization status/ equivalence of the examined assays
- Serving as management tool for the laboratory and IVD manufacturers, forcing them to investigate and eventually fix the identified problem
- Helping manufacturers that produce superior products and systems to demonstrate the superiority of those products
- Identifying analytes that need improved harmonization and stimulating and sustaining standardization initiatives that are needed to support clinical practice guidelines
- Abandonment by users (and consequently by industry) of nonspecific methods and/or of assays with demonstrated insufficient quality

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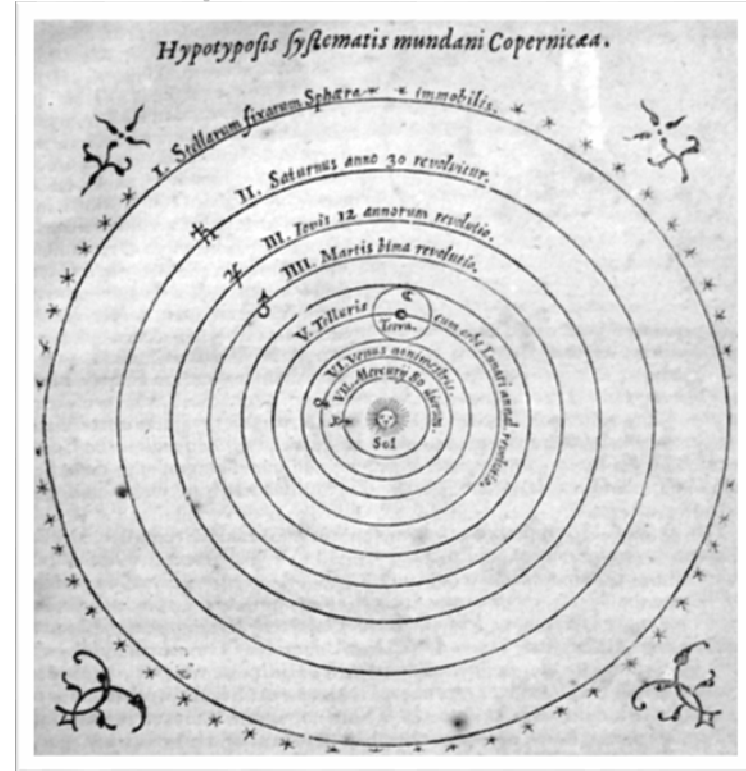
What COPERNICUS did was take the existing 'a priori' concept of the world and pose an alternative 'a priori' concept

The earth is flat and fixed in space



Equivalency-based grading

The earth is spherical and moves around the sun



Trueness-based grading

CI What TRACEABILITY does is take the existing 'a priori' concept of the Quality Control and pose an alternative 'a priori' concept