

EFLM
EUROPEAN FEDERATION OF CLINICAL CHEMISTRY
AND LABORATORY MEDICINE

Sverre Sandberg
past president
EFLM representative on the IFCC EB


www.eflm.eu

EFLM in numbers



EFLM functional units involve 175 officers representing 28 European Countries

	Chairs, Full Members, Expert	Additional Corresponding Members		Chairs, Full Members, Expert	Additional Corresponding Members
ALBANIA			LATVIA		
AUSTRIA	1	1	LITHUANIA	0	1
BELGIUM	3	0	LUXEMBOURG		
BOSNIA H.			MACEDONIA	1	0
BULGARIA			MONTENEGRO		
CROATIA	8	0	NETHERLANDS	13	2
CYPRUS			NORWAY	7	2
CZECH REP.	3	6	POLAND	3	0
DENMARK	3	1	PORTUGAL	3	1
ESTONIA	0	1	ROMANIA	1	1
FINLAND	1	0	RUSSIA	1	3
FRANCE	5	3	SERBIA	1	5
GERMANY	6	3	SLOVAK REP.	1	0
GREECE	2	3	SLOVENIA	1	2
HUNGARY	3	0	SPAIN	13	4
ICELAND			SWEDEN	6	1
IRELAND	0	3	SWITZERLAND		
ISRAEL			TURKEY	6	5
ITALY	15	2	UK	16	2
KOSOVO			UKRAINE		



The EFLM Executive Board

PRESIDENT



Michael NEUMAIER
(Germany)

PAST-PRESIDENT



Sverre SANDBERG
(Norway)

PRESIDENT-ELECT



Ana-Maria SIMUNDIC
(Croatia)



SECRETARY



Giuseppe LIPPI
(Italy)

TREASURER



Hubert STORM
(The Netherlands)

MEMBERS AT LARGE



Jose Tiago GUIMARAES
(Portugal)



Tomáš ZIMA
(Czech Rep)

**The Operative
EFLM Office**



Silvia CATTANEO
(Italy)



New image of EFLM



Logo , website and newsletter:

WHAT'S NEW





The EFLM functional units






Communication Committee
Chair: MariaStella Graziani (IT)

- WG: Promotion and Publications



Quality & Regulation Committee
Chair: Wim Huisman (NL)

- WG: Accreditation and ISO/CEN standards



Education & Training Committee
Chair: Daria Pasalic (HR)

- WG: Congresses and Postgraduate Educ.
- WG: Laboratory Medicine Credit Points
- WG: Distance Education and e-Learning
- TG: European Syllabus Course



Profession Committee
Chair: Gilbert Wieringa (UK)

- WG: Register



Science Committee
Chair: Eric Kilpatrick (UK, Qatar)

- WG: Biological Variation
- TG: *Biological Variation Database*
- WG: Guidelines
- TG: *Cardiac Marker*
- TFG: *Urinalysis*
- TFG: *Auto-Immunity Testing*
- WG: Harmonisation Total Testing Process
- WG: Patient Focused Laboratory Medicine
- WG: Personalized Laboratory Medicine
- WG: Postanalytical Phase
- WG: Preanalytical Phase
- TFG: *Standardization of the colour coding for blood collection tube closures*
- WG: Test Evaluation
- TG: *Performance spec. based on outcome studies*





Anja Maly-Bisanzio
President 2017-2021
Chairman, Standards, Laboratory Organisation
Clinical Microbiology, St. Vincent's
Hospital, Dublin
e-mail



Piercarlo Corbelli
President-Elect 2022-2025
Chairman, Microbiology
President-Elect, ISSS (for General
Clinical Microbiology, Pathology
Microbiology)
e-mail



Eva Spitzer
President 2022-2025
Lab. of Clinical Microbiology and Immunology
Johns Hopkins Hospital
Baltimore, Maryland
e-mail

WG: Preanalytical Phase WG-Postanalytical Phase WG-Harmonisation of the Total Testing Process



Some examples of what EFLM is
doing

EUROPEAN GUIDELINES



Pre-analytical phase

DE GRUYTER

Clin Chem Lab Med 2018; 56(12): 2015–2038

EFLM Paper


EUROPEAN FEDERATION OF CLINICAL CHEMISTRY
AND LABORATORY MEDICINE
 COLABIOCLI

Ana-Maria Simundic*, Karin Bölenius, Janne Cadamuro, Stephen Church, Michael P. Cornes, Edmée C. van Dongen-Lases, Pinar Eker, Tanja Erdeljanovic, Kjell Grankvist, Joao Tiago Guimaraes, Roger Hoke, Mercedes Ibarz, Helene Ivanov, Svetlana Kovalevskaya, Gunn B.B. Kristensen, Gabriel Lima-Oliveira, Giuseppe Lippi, Alexander von Meyer, Mads Nybo, Barbara De la Salle, Christa Seipelt, Zorica Sumarac and Pieter Vermeersch, on behalf of the Working Group for Preanalytical Phase (WG-PRE), of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) and Latin American Working Group for Preanalytical Phase (WG-PRE-LATAM) of the Latin America Confederation of Clinical Biochemistry (COLABIOCLI)

Joint EFLM-COLABIOCLI Recommendation for venous blood sampling



Future EFLM events - Save the date!




5th EFLM Conference on Preanalytical Phase
"Preanalytical challenges - time for solutions"
Zagreb (Croatia), 22-23 March 2019

<http://www.preanalytical-phase.org/>



Performance Specifications

- ✓ Outcome studies
- ✓ Biological variation
- ✓ State of the art

1st EFLM Strategic Conference
Defining analytical performance goals 15 years after the Stockholm Conference
 6th CEABE International Scientific Meeting

Milan (IT)
 24-25 November 2014

GENERAL INFORMATION

REGISTRATION FEE: EUR 300.00 (incl. 21% IVA)
 The registration fee includes:
 • Coffee break (breakfast) as indicated in the programme
 • Certificate of participation

Conditions:
 • Registration opened until August 31, 2014 (incl. 14 days before the event)
 • On-site registration between August 31 and September 22, 2014 (incl. 14 days before the event)
 • Afterwards, registration will be closed at 17:00 (local time) on September 22, 2014 (local time). To ensure your registration, please contact the Organizing Committee (organizingcommittee@eflm.it) or the Organizing Secretary (organizingsecretary@eflm.it).

OFFICIAL LANGUAGE: The official language of the conference is English.

CONFERENCE COORDINATOR: Dr. Giuseppe Di Ferranti, EFLM President, Via Cavour 15, 20139 Milano (Italy), Tel. +39 02 5749 2111, Fax +39 02 5749 2117, Email: info@eflm.it, www.eflm.it

CONFERENCE VENUE: EFLM Conference Center, Via Cavour 15, 20139 Milano (Italy), Tel. +39 02 5749 2111, Fax +39 02 5749 2117, Email: info@eflm.it, www.eflm.it

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Clinical Chemistry 64:3
 501-514 (2018)

Evidence-Based Medicine and Test Utilization

The Biological Variation Data Critical Appraisal Checklist: A Standard for Evaluating Studies on Biological Variation

Aasne K. Aarsand,^{1,2*} Thomas Røraas,² Pilar Fernandez-Calle,^{3,4} Carmen Ricos,⁴ Jorge Díaz-Garzón,^{3,4} Niels Jonker,⁵ Carmen Perich,^{4,6} Elisabet González-Lao,^{4,7} Anna Carobene,⁸ Joana Minchinella,^{4,9} Abdurrahman Coşkun,¹⁰ Margarita Simón,^{4,11} Virtudes Álvarez,⁴ William A. Bartlett,¹² Pilar Fernández-Fernández,⁴ Beatriz Boned,^{4,13} Federica Braga,¹⁴ Zoraida Corte,^{4,15} Berna Aslan,¹⁶ and Sverre Sandberg^{1,2,17} on behalf of the European Federation of Clinical Chemistry and Laboratory Medicine Working Group on Biological Variation and Task and Finish Group for the Biological Variation Database

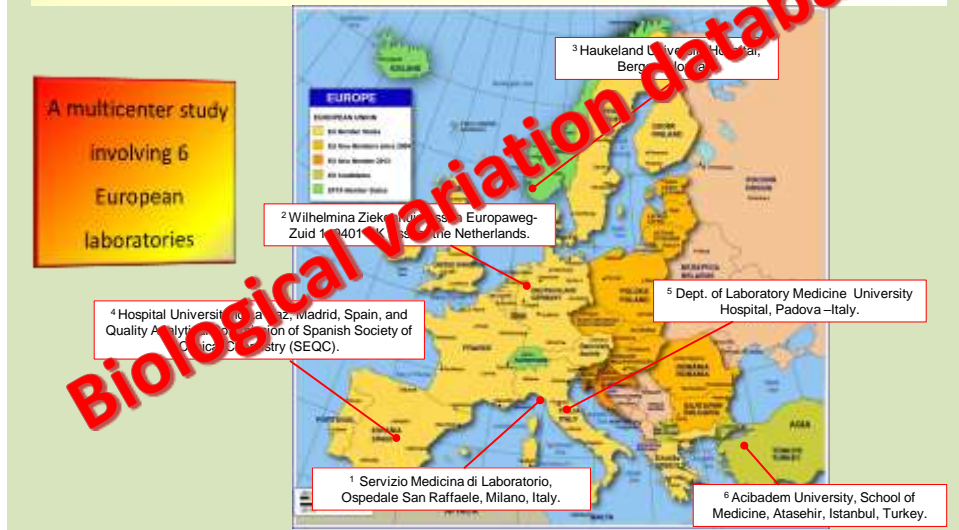
BACKGROUND: Concern has been raised about the quality of available biological variation (BV) estimates and the effect of their application in clinical practice. A European Federation of Clinical Chemistry and Laboratory Medicine Task and Finish Group has addressed this issue. The

D scores, Outlier analysis and variance homogeneity testing were scored as C in >60% of 847 cases. Metaanalysis delivered a CV₁ estimate for ALT of 15.4%.

KEYWORDS: Application of BVAC to BV studies



“EFLM BV-WG project EuBIVAS: new experimental
BV data
Samples collection from healthy volunteers
for biological variation values update”



Register (EuSpLM)



Register of European specialists in laboratory medicine

Register on the EFLM homepage and from <https://register.eflm.eu>



EFLM

EUROPEAN FEDERATION OF CLINICAL CHEMISTRY
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2nd EFLM Strategic Conference

THE END OF LABORATORY MEDICINE AS WE KNOW IT?

Handling disruption of Laboratory Medicine
in digital health

Task Force Task and Finish Groups



Test Evaluation

Author's Personal Copy

Clinica Chimica Acta 480 (2018) 211–218

Contents lists available at ScienceDirect

Clinica Chimica Acta

journal homepage: www.elsevier.com/locate/clinchim

Discussion

Biomarker development targeting unmet clinical needs

Phillip J. Monaghan^{a,*}, Sarah J. Lord^{b,c}, Andrew St John^d, Sverre Sandberg^{e,f,g}, Christa M. Cobbaert^h, Lieselotte Lennartzⁱ, Wilma D.J. Verhagen-Kamerbeek^j, Christoph Ebert^k, Patrick M.M. Bossuyt^l, Andrea R. Horvath^{m,n}, for the Test Evaluation Working Group of the European Federation of Clinical Chemistry and Laboratory Medicine

^a Department of Clinical Biochemistry, The Christie Pathology Partnership, The Christie NHS Foundation Trust, Manchester, UK
^b School of Medicine, University of New South Wales, Australia
^c National Health and Medical Research Council (NH&MRC) Clinical Trials Centre, University of Sydney, Australia
^d AMC Consulting, Perth, Australia
^e The Norwegian Quality Improvement of Primary Care Laboratories (NORQIP), Hordalandtelemose Hospital, Bergen, Norway
^f Department of Public Health and Primary Health Care, University of Bergen, Norway
^g Laboratory of Clinical Biochemistry, Haukeland University Hospital, Bergen, Norway
^h Department of Clinical Chemistry and Laboratory Medicine, London University Medical Centre, The Netherlands
ⁱ Robert Koch Institute, Berlin, Germany

^{*} Corresponding author. E-mail: phillip.monaghan@christie.nhs.uk

 A horizontal banner at the bottom of the slide, identical to the one at the top, featuring the EFLM logo and name.

The engagement of EFLM towards Young Lab Scientists

13 Young Scientists members are currently active in EFLM Working Groups

A number of bursary programs to attend the main EFLM events are available
(an important part of the EFLM budget is allocated to this)

Invite your Young Scientists Members to join the EFLM circulation list at www.eflm.eu to receive information on EFLM opportunities for them!

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EFLM Syllabus

Clin Chem Lab Med 2018; 56(11): 1846–1863

DE GRUYTER

EFLM Paper

Nuthar Jassam*, Jennifer Lake, Milena Dabrowska, Jose Queralto, Demetrios Rizos, Ralf Lichtinghagen, Hannsjörg Baum, Ferruccio Ceriotti, John O'Mullane, Evgenija Homšak, Charis Charilaou, Mats Ohlson, Ivana Rako, Dalius Vitkus, Gustav Kovac, Pauline Verschuure, Jaroslav Racek, Mariana Carmen Chifiriuc and Gilbert Wieringa

The European Federation of Clinical Chemistry and Laboratory Medicine syllabus for postgraduate education and training for Specialists in Laboratory Medicine: version 5 – 2018

<https://doi.org/10.1515/cclm-2018-0344>
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borders. In updating the fourth syllabus, the fifth expands on individual discipline requirements, new analytical techniques and use of statistics. An outline structure for

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EDUCATION

- ✓ **EFLM SYLLABUS courses**
- ✓ **EXCHANGE PROGRAMS TO VISIT OTHER LABORATORIES**
- ✓ **COURSES THAT NSs can apply for**



A screenshot of the EFLM website homepage. At the top left is the EFLM logo and the full name of the organization. To the right of the logo is a search bar, which is circled in red. A red arrow points from the logo area towards the search bar. Below the search bar is a navigation menu with links for 'WHO WE ARE', 'CONGRESS CALENDAR', 'EFLM PUBLICATIONS', 'EFLM MEMBERS', 'EXECUTIVE BOARD', 'GENERAL ASSEMBLY', and 'CONTACT US'. Below the navigation menu is a section titled 'Click on the flag to reach the website of EFLM National Societies' with a grid of national flags. Further down, there is a 'WHAT'S NEW' section and several columns of featured content including 'Latest News...', 'EFLM Committees', 'International Collaborations', 'Educational Material', 'E-Learning', 'The EFLM Experts Speakers Bureau', 'Downloads', 'EFLM Bursaries', 'EFLM Awards', 'EFLM Task Force', and 'Forthcoming EFLM events'. At the bottom, there are logos for partner organizations like Siemens, Abbott, and IFCC, along with a list of regional federations.

Keep updated with EFLM activities!
Join the EFLM circulation list at www.eflm.eu