



Curriculum Vitae

Personal information **Mauro Panteghini**

Work experience

Full Professor of Clinical Biochemistry and Clinical Molecular Biology
Director of the Chair of Clinical Biochemistry and Clinical Molecular Biology
Department of Biomedical and Clinical Sciences
Faculty of Medicine and Surgery - Vialba Teaching Center - University of Milan

Scientific Coordinator, Interdepartmental Center for Research on Metrological Traceability in Laboratory Medicine (CIRME), University of Milan

Director of the Department of Laboratory Medicine, ASST Fatebenefratelli-Sacco

Director (in agreement with the University of Milan) S.C. Clinical Pathology, ASST Fatebenefratelli-Sacco

Education and training

Eligibility as Full Professor for the scientific-disciplinary sector BIO/12 – Clinical Biochemistry and Clinical Molecular Biology - Faculty of Medicine and Surgery (2003)

Qualification as Laboratory Manager for Chemical-Clinical Analysis and Microbiology, session 1986

Specialization in Laboratory Doctor Specialist in Clinical Laboratory Analysis (1981) University of Pavia

Practical hospital internship (ex L. 18.04.75 no. 148) in the discipline 'Chemical-Clinical and Microbiological Analysis Laboratory' (1979) (final rating 'Excellent')

Qualification to practice the profession of Surgeon (1978) University of L'Aquila

Registration in the Register of Doctors and Dentists of the province of Brescia (21 December 1978 – no. 2864)

Degree in Medicine and Surgery (1978) University of Milan (final mark 110/110 cum laude)

Additional information

Publications

653 publications (304 editorials, reviews, special reports, books and book chapters).

H-index 72 (Google Scholar) and 58 (Scopus),

More cited publications:

Myers GL, Miller WG, Coresh J, Fleming J, Greenberg N, Greene T, Hostetter T, Levey AS, **Panteghini M**, Welch M, Eckfeld JH. Recommendations for improving serum creatinine measurement: A report from the Laboratory Working Group of the National Kidney Disease Education Program. *Clin Chem* 2006;52:5-18

Apple FS, Wu AHB, Mair J, Ravkilde J, **Panteghini M**, Tate J, et al. Future biomarkers for detection of ischemia and risk stratification in acute coronary syndrome. *Clin Chem* 2005;51:810-24

Dolci A, Dominici R, Cardinale D, Sandri MT, **Panteghini M**. Biochemical markers for prediction of chemotherapy-induced cardiotoxicity. *Am J Clin Pathol* 2008;130:688-95

Saenger AK, Beyrau R, Braun S, Cooray R, Dolci A, Freidank H, Giannitsis E, Gustafson S, Handy B, Katus H, Melanson SE, **Panteghini M**, et al. Multicenter analytical evaluation of a high-sensitivity troponin T assay. *Clin Chim Acta* 2011;412:748-54

Mueller C, Giannitsis E, Christ M, Ordóñez-Llanos J, deFilippi C, McCord J, Body R, **Panteghini M**, et al. Multicenter evaluation of a 0-hour/1-hour algorithm in the diagnosis of myocardial infarction with high-sensitivity cardiac troponin T. *Ann Emerg Med* 2016;68:76-87

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

Panteghini M, Pagani F, Yeo KTJ, et al. Evaluation of imprecision for cardiac troponin assays at low-range concentrations. *Clin Chem* 2004;50:327-32

Schumann G, Bonora R, Ceriotti F, Clerc-Renaud P, Ferard G, Ferrero CA, Franck PFH, Gella FJ, Hoelzel W, Jorgensen PJ, Kanno T, Kessner A, Klauke R, Kristiansen N, Lessinger JM, Linsinger TPJ, Misaki H, **Panteghini M**, et al. IFCC primary reference procedures for the measurement of catalytic activity concentrations of enzymes at 37°C. Part 4. Reference procedure for the measurement of catalytic concentration of alanine aminotransferase. *Clin Chem Lab Med* 2002;40:718-24

Hicks J, Muller M, **Panteghini M**, et al. Consensus statement on the worldwide standardization of the hemoglobin A1C measurement. *Diabetes Care* 2007;30:2399-400

Schumann G, Bonora R, Ceriotti F, Clerc-Renaud P, Ferard G, Ferrero CA, Franck PFH, Gella FJ, Hoelzel W, Jorgensen PJ, Kanno T, Kessner A, Klauke R, Kristiansen N, Lessinger JM, Linsinger TPJ, Misaki H, **Panteghini M**, et al. IFCC primary reference procedures for the measurement of catalytic activity concentrations of enzymes at 37°C. Part 5. Reference procedure for the measurement of catalytic concentration of aspartate aminotransferase. *Clin Chem Lab Med* 2002;40:725-33

Ferraro S, Braga F, Lanzoni M, Boracchi P, Biganzoli EM, **Panteghini M**. Serum human epididymis protein 4 vs carbohydrate antigen 125 for ovarian cancer diagnosis: a systematic review. *J Clin Pathol* 2013;66:273-81

Ceriotti F, Boyd JC, Klein G, Henny J, Queraltó J, Kairisto V, **Panteghini M**; on behalf of the IFCC Committee on Reference Intervals Decision Limits (C-RIDL). Reference intervals for serum creatinine concentrations: assessment of available data for global application. *Clin Chem* 2008;54:559-66

Panteghini M. Role and importance of biochemical markers in clinical cardiology. *Eur Heart J* 2004;25:1187-96

Lippi G, Banfi G, Church S, Cornesa M, De Carli G, Grankvista K, Kristensen GB, Ibarza M, **Panteghini M**, et al. 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

Aloisio E, Chibireva M, Serafini L, Pasqualetti S, Falvella FS, Dolci A, **Panteghini M**. A Comprehensive Appraisal of Laboratory Biochemistry Tests as Major Predictors of COVID-19 Severity. *Arch Pathol Lab Med* 2020;144:1457-1464.

Ceriotti F, Hinzmann R, **Panteghini M**. Reference intervals: the way forward. *Ann Clin Biochem* 2009;46:8-17

Panteghini M, Gerhardt W, Apple FS, Dati F, Ravkilde J, Wu AH. Quality specifications for cardiac troponin assays. *Clin Chem Lab Med* 2001;39:174-8

Schumann G, Bonora R, Ceriotti F, Clerc-Renaud P, Ferard G, Ferrero CA, Franck PFH, Gella FJ, Hoelzel W, Jorgensen PJ, Kanno T, Kessner A, Klauke R, Kristiansen N, Lessinger JM, Linsinger TPJ, Misaki H, **Panteghini M**, et al. IFCC primary reference procedures for the measurement of catalytic activity concentrations of enzymes at 37°C. Part 6. Reference procedure for the measurement of catalytic concentration of g-glutamyltransferase. *Clin Chem Lab Med* 2002;40:734-8

Apple FS, **Panteghini M**, Ravkilde J, Mair J, Wu AHB, Tate J, et al. Quality specifications for B-type natriuretic peptide assays. *Clin Chem* 2005;51:486-93

abstracts of presentations at international and national conferences,

Presenter at international conferences of 134 invited lecturers,
24 international and national awards.
Organization of 43 national and international scientific events.

Projects

Memberships

Member of the Executive Board of the Joint Committee on Traceability in Laboratory Medicine (JCTLM), 2006-2010 and 2017-present
Chair of the JCTLM Task Force on Reference Measurement System Implementation (TF-RMSI), 2019-present
Vice-Chair of the JCTLM Database Working Group – Analyte Group 2, 2017-present
Leader of Review Team for “Enzymes” of the Joint Committee on Traceability in Laboratory Medicine (JCTLM), 2002-present
Member of the European Commission expert panels in the field of medical devices, 2020-2023
Member of the IFCC Working Group on Commutability in Metrological Traceability, 2020-present
Member of the IFCC Working Group of Standardization of Troponin I, 2010-present
Member of the IFCC Working Group of Standardization of Albumin Assay in Urine, 2010-present
Member of the U.S. National Kidney Disease Education Program's Laboratory Working Group, 2003-present
President of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), 2014-2015
Past-President of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), 2016-2017
President Elect of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), 2011-2013
President of the 20th IFCC-EFCC European Congress of Clinical Chemistry & Laboratory Medicine, Milan IT, 2013
Coordinator of the Scientific Division of the International Federation of Clinical Chemistry & Laboratory Medicine (IFCC), 2006-2010
Vice-Coordinator of the Scientific Division of the International Federation of Clinical Chemistry & Laboratory Medicine (IFCC), 2003-2005
Member of the Scientific Division of the International Federation of Clinical Chemistry & Laboratory Medicine (IFCC), 2002-2003
Chair, IFCC Committee on Standardization of Markers of Cardiac Damage, 1998-2003
Chair, IFCC Working Group of Standardization of Glomerular Filtration Rate Assessment, 2005
Member of the IFCC Working Group on Commutability, 2013-2019
Member of the IFCC Task Force on Chronic Kidney Disease, 2007-2016
Member of the IFCC Working Group on Allowable Errors for Traceable Results, 2012-2013
IFCC member of Working Group 1 on “Reference materials & reference procedures” of the Joint Committee on Traceability in Laboratory Medicine (JCTLM), 2002-2010
Member of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Working Group for Creatinine Standardization, 2004-2010
Member of the American Association for Clinical Chemistry (AACC) Troponin I Standardization Committee, 1999-2007
Ad hoc Member of the National Academy of Clinical Biochemistry (NACB) Committee for the preparation of Laboratory Medicine Practice Guidelines on Biomarkers of Acute Coronary Syndrome and Heart Failure. 2007
Visiting Lecturer in the Asian-Pacific Region for the IFCC (August-September 2008) in Japan, Taiwan, Hong Kong, Malaysia, Indonesia and Australia – (October 2009) in China
Visiting Lecturer for the IFCC in Chile (Santiago – October 2019) and in Argentina (Mar del Plata – November 2022)

Other Relevant Information