



Maria Cristina Monti, PhD

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Experimental and Forensic Medicine, University of Pavia
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CURRENT POSITION

Associate Professor, Medical statistics (MED/01 →)

Faculty of Medicine delegate for the Quality Assurance System of the University of Pavia

Deputy Director, Post-graduate School “Healthcare Statistics and Biometrics”,
Faculty of Medicine, University of Pavia

National Biodiversity Future Center scientific staff, Spoke 6 (Urban environment and Health)

Scientific Committee, National Center for Healthcare Research & Pharmacoepidemiology (CHRP) and Supervisor of the CHRP-Pavia-Lab.

Scientific Committee, Centre for Multidisciplinary Research in Health Science (MACH), University of Milan

RESEARCH AND PROFESSIONAL EXPERIENCE

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- 2010-2019 Assistant Professor of Medical statistics (RTD-A & RTD-B, MED/01), University of Pavia, Italy
 - 2008-2010 Research Scientist, University of Pavia
 - 2000-2003 Predoctoral Research Fellow, University of Pavia
 - 2008-2011 Associate Research Scientist, Dep. of Biostatistics, Columbia University (NY, NY)
 - 2006-2011 Epidemiology and Biostatistics Consultant, National Disease Research Interchange, Human Biological Data Interchange Division, Philadelphia (USA)
 - 2004-2007 Postdoctoral Research Fellow (Genetic of Complex Diseases program), Columbia University (NY, NY)
 - 2008 Lecturer, Principles of Genetics for Biostatisticians, Mailman School of Public Health, Columbia University, NY, NY

EDUCATION AND TRAINING

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- 2008 PhD in Public Health (2008)
 - 2003 PhD-equivalent degree in Medical Statistics

- 2000 MS degree in Biological Sciences, major in Ecology.
- 2004-2007 Fellow of the Genetic of Complex Diseases program, Columbia University, NY, NY
- 2001-2003 Fellow of the Advanced Graduate International Program, IUSS - University Institute for Superior Studies, Pavia

ONGOING RESEARCH GRANTS & COLLABORATIONS

Eni. "Environmental Exposures and Public Health" projects, co-investigator. Partners: ATS Pavia, ARPA Lombardia, Comuni di Sannazzaro de' Burgondi e Ferrera Erbognone (PV)

2021-2023 & 2024-2026 Central European Initiative (CEI) Know-how Exchange Program "Improving Occupational Health and Safety System in Republic of Moldova"

FISM grants. Topic "Modelling the association of environmental and genetic factors with multiple sclerosis". Partners: Neurological Institute "C. Mondino", University of Cagliari, Joint Research Centre of the European Commission (Ispra, Italy).

2023-2025. PRIN Grants (MUR)

"New and Old Psychoactive drugs abuse and Neuroenhancers use Investigation among Current University Students (NO PANIC)"

"Early Life Exposure to per- and polyfluoroalkyl substances (PFAS) and health risks (ELENA)"

RESEARCH PROFILE

ORCID: <https://orcid.org/0000-0003-1586-527X>

Scopus Author ID: 56371268600

<https://scholar.google.com/citations?user=ZbOc5zgAAAAJ&hl=it>

Research interests

- Design, analysis and spatial distribution of epidemiological, genetic and environmental studies for complex and multifactorial diseases
- Dietary diversity and malnutrition; interaction between perinatal and neonatal factors, childhood obesity and gut microbiome;
- Statistical models in the fields of forensic toxicology;
- Pharmacoepidemiology;
- Morbidity and mortality risk factors in adulthood and infancy

Scientific reviewer for FISM (Federazione Italiana Sclerosi Multipla) and several journals in the field of public health and statistics: Scientific Reports, PLOS ONE, Journal of Hypertension, Neuroepidemiology, Journal of Neurological Sciences, Journal of Clinical Endocrinology and Metabolism, International Journal of Environmental Research and Public Health, Human Heredity, Acta Paediatrica, Italian Journal of Pediatrics (BMC Journal), Epidemiologia e Prevenzione, Epidemiology, Biostatistics and Public Health (EBPH)

Fellow of the Italian Society for Medical Statistics and Clinical Epidemiology (SISMEC)

TEACHING ACTIVITIES

Undergraduate, graduate, and postgraduate teaching in Biostatistics and epidemiology disciplines (applied and advanced courses)

- 2001-present. Faculty of Medicine, University of Pavia (<https://unipv.unifind.cineca.it/individual?uri=http%3A%2F%2Firis.unipv.it%2Fresource%2Fperson%2F659187>)
- 2007-present. University of Milano-Bicocca
Faculty of Statistics/School of Economics and Statistics, Biostatistics degree (LM82) (“Statistical Models for Genetics” course); Masters of Science qOMICS (“Design of Experiments” and Genetic Epidemiology courses); Master of Science MEBRIC (“Genetic Epidemiology” course)
- 2008. “Genetic Epidemiology” course, School of Public Health, Columbia University, New York
- 2020-present. University of Milano-Statale, Master in Global Health (Quantitative methods in global health course).

Instructor and supervisor for Master students and PhD students since 2011 (PdD programs: Psychology, Neuroscience and Data Science, Public Health and lifestyle, University of Pavia).

PERSONAL SKILLS

Mother tongue(s) Italian
OTHER LANGUAGE(S) English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	B2

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Driving licence B

The information herein is given in compliance with the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)