

NAME: Enrica Capelli

PRESENT POSITION:

Researcher and Professor, Head of the Laboratory of Immunology and Genetic Analyses

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EDUCATION

- Biologist/1978: University of Pavia- Science Faculty, Pavia
- Specialization degree in morphofunctional and genetic sciences /1991: Italian National Research Council (CNR)
- Postdoctoral Training in environmental mutagenesis- Italian National Research Council (CNR) (IGBE-Pavia-Italy) (1978-1982)
- Research fellowship , IGBE-CNR, Pavia (Italy) (1982-1990)

POSITION AND EMPLOYMENTS

- 1981-1990: CNR researcher, IGBE-Pavia.
- 1990-2005: Assistant Research, Department of Genetics and Microbiology- University of Pavia.
- 2005-present: Researcher and Professor of Clinical Pathology and Immunological Techniques, and of Laboratory Technologies for Biology and Natural Sciences Courses, University of Pavia, Italy.
- 2006-present: Member of Italian association of Developmental and Comparative Immunobiology (SIICS)
- 2007-2012: Head of the laboratory of Immunology and Genetic Analyses at the Department of Animal Biology- University of Pavia, Italy.
- 2012-present: Head of the laboratory of Immunology and Genetic Analyses at the D.STA- Department of Earth and Environmental Sciences, Animal Biology Unit-University of Pavia.
- 2013-present: Member of the working group on CFS/ME, National Agency for Health Regional Service (AGENAS) of the Italian National Institute of Health, Rome.
- Founding member of Italian Mesenchymal Stem Cell Group (IMSG) (2014)
- 2015-present: member of scientific board of Centre for health technologies, University of Pavia
- 2016-present: member of scientific board of Cancer Center, University of Pavia
- 2014-present. Member of the teaching board of the Advanced School of Clinical Pathology, Medical School, University of Pavia.
- 2016-present Member of Center of Experimental Research for Human Microbiome (CERMH), Ludes Foundation, HEI.

- 2010- present: Member of working group on Chronic Fatigue Syndrome (CFS), National Agency for Health Regional Service (AGENAS) of the Italian National Institute of Health

SCIENTIFIC AND SOCIETAL IMPACT

- Principal Investigator/ coordinator of national and international projects
- Collaborations in the last 10 years:
 - EU, COST Action CA15111 “European Network on Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (EUROMENE)” (2016-2020), MC Member
 - Cariplo Grant: Real time monitoring of liver oxidative stress injuries by means of an innovative methodology based on integrated autofluorescence optical biopsy. Application to transplantation procedure, Operative Unit UNIPV-AB: Gene expression through determination of DNA methylation patterns and mRNAs (2011-2013)
 - CMT Foundation Grant: Formulation and validation of a new classification for hepatocellular carcinoma, University of Pavia and IRCCS San Matteo Hospital Foundation, Pavia (2009-2014)
 - LILT Grant: miRNA biomarkers for lung tumors differentially expressed in patients at risk, University of Pavia and Istituto clinico Beato Matteo, Vigevano, San Donato Hospital Group, Italy (2014-present)
 - AIC Grant: Study of the microbiota composition in adult celiac disease , Application 016_FC_2015, University of Pavia and IRCCS San Matteo Foundation-Pavia (2015)
- More than 100 peer reviewed publications as author or coauthor
- Recommendations on CFS/ME for the National Agency for Health Regional Service (AGENAS) of the Italian National Institute of Health, Rome (2014)

BIOSKETCH

- Immunology, molecular biology
- Cell cultures and gene expression analysis
- Quantitative realtime PCR (mRNA and miRNA expression); next generation sequencing (Illumina technology): miRNA sequencing, metagenomic approach analyses for microbiota and mycobiota characterization.
- Immunological techniques
- Fluorescence microscope analyses
- Cytofluorimetric analyses