Prof. Dr. Marino Zerial



Head of Research Group – Principles of cell and tissue organization: from endocytosis to a systems understanding of liver structure and function – Max Planck Institute of Molecular Cell Biology and Genetics

Role in LiSyM-Cancer

- Co-coordinator and project leader in DEEP-HCC
- Geometric models of early HCC

Expertise

- Molecular mechanisms of endocytosis
- Quantitative multi-parametric image analysis
- Multi-scale analysis of tissue organization and function
- http://zerial.mpi-cbg.de/

Degrees

- 1982, PhD in biology, University of Trieste
- Biochemistry Studies

Professional Experience

- Since 2023, Director of Human Technopole, Milano, Italy
- Since 1998, Head of Research Group at MPI-CBG, Dresden
- 1998 - 2023, Max Planck Director and co-founder of the Max Planck Institute of Molecular Cell Biology and Genetics, MPI-CBG, Dresden
- 1991 - 1998, European Molecular Biology Laboratory (EMBL), Heidelberg, Research Group Leader: Molecular regulation of endocytosis
- Post-doctoral research:
    - Institut J. Monod, Paris: Organization of the human genome
    - EMBL, Heidelberg: Biosynthesis and endocytosis of the transferrin receptor

Honors and Awards (Selection)

- Honorary Professor at the Medical Faculty, University of Technology, Dresden
- 2021, member of the American Academy of Arts and Science
- 2019, member of the Istituto Veneto di Scienze, Lettere ed Arti
- 2006, Gottfried-Wilhelm-Leibniz-Preis, Germany
- 1998, Chiara D'Onofrio-Preis, Italy
- 1996, member of the European Molecular Biology Organization
- 1994, FEBS Anniversary Prize

Publications

2024-11-15	Hepatocyte differentiation requires anisotropic expansion of bile canaliculi *Development*
2023-07-31	Apical bulkheads accumulate as adaptive response to impaired bile flow in liver disease. *EMBO Rep*
2023-04-03	Hepatocyte apical bulkheads provide a mechanical means to oppose bile pressure *Journal of Cell Biology*