

Curriculum Vitae of: Marta Murgia

Title: Associate Professor of General Pathology

Institution: University of Padua

Education

- PhD in Molecular and Cellular Biology and Pathology

University of Padua, 1997

- **Thesis:** Calcium homeostasis in the cytosol and other cellular compartments

- **Supervisor:** Prof. T. Pozzan

- **Coordinator:** Prof. C. Montecucco

- Bachelor's in Biology

University of Padua

- **Degree:** 110 laude

- **Supervisor:** Prof. F. Di Virgilio

- **Thesis:** Extracellular ATP as a mediator of cell death

- Visiting Student

Wistar Institute, University of Pennsylvania, Philadelphia, PA, USA

- Laboratory of Natural Killer Cells Biology

- Coordinator: Dr. Bice Perussia

- Duration: 2 months at the end of the fourth semester

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Professional Experience

- Associate Professor of General Pathology

School of Medicine, University of Padua

- Lecturer

University of Padua, since February 1999

- Post-Doctoral Scientist

Max Planck Institute of Biochemistry, Martinsried, Germany

- Department of Signal Transduction (Director: Prof. Axel Ullrich)

- October 2000 - January 2004

- EMBO Fellowship (2001-2002)

- Marie Curie Fellowship (2003-2004)

- Visiting Fellow

Max Planck Institute of Biochemistry, Martinsried, Germany

- Department of Proteomics and Signal Transduction (Director: Prof. Matthias Mann)
- April 2012 - March 2014
- Max Planck Society/Louis Jeantet Fellowship

- Collaborations

Collaboration with Prof. Matthias Mann's proteomics group since 2014

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Languages

- Italian
- English
- French
- German
- Spanish

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Institutional Activities

- Member, Teaching Board, PhD School in Biomedical Sciences, University of Padua (2018 - ongoing)
- Member, Scientific and Resources Committee, Department of Biomedical Sciences, University of Padua (2004-2006, since 2022)

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External Institutional Activities

- Fellow, Max Planck Society
- Master Thesis Evaluator, Victoria University, Melbourne, Australia (August-October 2023)
- Career Evaluator, University College of London, 2025
- Selection Committee Member, various academic institutions

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Organizational Activities

- **Italian Space Agency Project MARS-PRE**
- Coordination of biological sample management and distribution
- Principal Investigator, Workpackage 1103

- Project Management

- Grant writing, scientific audits, and reports
- Congress and meeting organization

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Service Activities

- Supervision Service, Admission Tests, School of Medicine, University of Padua
- Training activities for histopathology teaching

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Dissemination Activities

- Contributions to guidelines for reopening sports facilities in Bavaria during COVID-19
- Published articles on exercise and COVID-19 and other relevant topics.
- Public lectures and mentoring for early career scientists

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Teaching Activities

- Courses in General Pathology, Physiology, and Cell Biology
- Emphasis on program conceptualization, teaching strategies, and evaluation
- Mass Spectrometry-based Proteomics, Postgraduate School of Clinical Pathology

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Research Activities

- Research on muscle physiology, metabolism, and signal transduction
- Specialization in proteomics of muscle fibers and human plasma
- Extensive experience in proteomics, bioinformatics, and molecular biology

- Key Publications:

- Murgia et al, EMBO Rep, 2015
- Murgia et al, PNAS Nexus, 2022

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Reviewing and Grant Reviewing Activities

- Reviewer for several scientific journals, including:

- Scientific Reports, Communications Biology, Clinical Proteomics

- Grant Reviewer:

- Agence Nationale de la Recherche (ANR, France), Wellcome Trust