

## **Roberta Castriconi**

Associate Professor of Histology  
Married, 2 children

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### **CAREER INTERRUPTIONS**

- From 13/06/2006 to 13/11/2006 for compulsory maternity leave.
- From 22/09/2009 to 22/02/2010 for compulsory maternity leave.
- From 23/02/2010 to 23/05/2010 for parental leave.

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### **EDUCATION AND TRAINING**

#### **2023**

National Scientific Qualification (ASN) for Full Professor, academic discipline 06/A2-Clinical Pathology, School of Medical and Pharmaceutical Sciences, University of Genoa.

#### **2019**

FOR I.U. Course (University Teaching Innovation Training), University of Genoa.

#### **2018**

“Digital Pathology Scanner Course”, San Martino University Hospital.

#### **2018**

National Scientific Qualification (ASN) for Full Professor, academic discipline 05/H2-Histology, School of Medical and Pharmaceutical Sciences, University of Genoa.

#### **2017**

National Scientific Qualification (ASN) for Associate Professor, academic discipline 05/H2-Histology, School of Medical and Pharmaceutical Sciences, University of Genoa.

#### **2014**

National Scientific Qualification (ASN) for Associate Professor, academic disciplines 05/H1-Anatomy and 06/A2-Clinical Pathology, School of Medical and Pharmaceutical Sciences, University of Genoa.

#### **2004**

Ph.D. in Clinical and Experimental Immunology, Faculty of Medicine and Surgery (now School of Medical and Pharmaceutical Sciences), University of Genoa.

#### **2000**

Specialization with honors in Clinical Pathology (Technical track), Faculty of Medicine and Surgery (now School of Medical and Pharmaceutical Sciences), University of Genoa.

**1996**

Degree with honors in Biological Sciences, Faculty of Mathematical, Physical and Natural Sciences, University of Genoa.

**1991**

Classical High School Diploma, G.D. Cassini Classical Lyceum, Sanremo (IM).

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## ACADEMIC HISTORY

**2020–present**

Associate Professor of Histology, Department of Experimental Medicine (DIMES), School of Medical and Pharmaceutical Sciences, University of Genoa.

**2005–2020**

Permanent Researcher (RTI), Section of Histology, Department of Experimental Medicine (DIMES), University of Genoa.

**2004–2005**

“Excellent Researcher” contract (Giannina Gaslini Institute, Genoa).

Research fellow at the Section of Histology, Department of Experimental Medicine (DIMES), University of Genoa.

**2001–2003**

FIRC (Italian Foundation for Cancer Research) fellowship.

Research fellow, Section of Histology, Department of Experimental Medicine (DIMES), University of Genoa.

**1998 (May–November)**

Fellowship from the Consortium for the Management of the Advanced Biotechnology Center (CBA-IST, Genoa).

Research fellow, Section of Histology, Department of Experimental Medicine (DIMES), University of Genoa.

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## ACADEMIC APPOINTMENTS

- Coordinator of the integrated course “*From Histological Sample Analysis to Scientific Publications*”.
- Course leader in Histology for the integrated course in Anatomy and Histology, Degree Programs in Nursing, Pediatric Nursing, and Midwifery.

**Official teaching:**

- *Tissues*, Degree Program in Medicine and Surgery, University of Genoa.
- *The Cell*, Degree Program in Medicine and Surgery, University of Genoa.
- *The Laboratory for Medical Training*, Degree Program in Medicine and Surgery, University of Genoa.

- *Cytology-Histology-Embryology*, Master's Degree Program in Dentistry and Dental Prosthetics, University of Genoa.
- *From Histological Sample Analysis to Scientific Publications*, Degree Program in Biotechnology, University of Genoa.
- *Biology II + Laboratory*, Degree Program in Biotechnology, University of Genoa.
- *Histology*, integrated course in Anatomy and Histology, Degree Programs in Nursing, Pediatric Nursing, and Midwifery, University of Genoa.

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## EXPERIENCE

### SELECTED SEMINARS

- **Jan 29–31, 2025.** SIOPEN Translational Research Meeting, Utrecht. “GD2 and flow cytometry”.
- **Oct 3–6, 2023.** SIOPEN Meeting – Immunotherapy Subcommittee, Ljubljana. “GD2 assessment by flow cytometry”.
- **Oct 13–15, 2022.** XX NIBIT Annual Meeting, Padua. “NK cell regulation by TGF- $\beta$  and IL-18, more than a TH1 cytokine”.
- **Dec 16, 2021.** AIEOP. “Immunotherapy: reality and perspectives”.
- **Feb 21, 2020.** Italian NB Group Meeting, Genoa. “Immunophenotypic characterization of bone marrow-infiltrating tumor cells and NK effectors”.
- **May 8, 2019.** World Congress Action, Valencia. “Natural killer cells and neuroblastoma: tumor recognition and escape mechanisms”.
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### RESEARCH PROJECTS (COMPETITIVE FUNDING, PEER-REVIEWED)

- **2025 – Fondazione Neuroblastoma-OPEN**, Principal Investigator. Project: “B7-H3 Tetrameric Cell Engager as an innovative approach for activating immune effectors against Neuroblastoma”.
- **2023 – ERC Consolidator Project**, Scientific responsibility for a Work Package. Project: “Magnetic hyperthermia for metastasized tumor treatment and remote manipulation of microdevices (GIULIA)”, PI: Teresa Pellegrino (IIT Genoa).
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### EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

- **2020** – Guest Associate Editor, *Frontiers in Immunology* (topic: *Recent 3D Tumor Models for Testing Immune-Mediated Therapies*).
- **2019** – Editor, *Cells Journal*.
- **2019** – Lead Guest Associate Editor, *Frontiers in Immunology* (topic: *TGF- $\beta$  as a Key Regulator of NK and ILCs Development and Functions*).
- **2016** – Lead Guest Associate Editor, *Journal of Immunology Research* (topic: *Immunotherapy in the treatment of human solid tumors: basic and translational aspects*).

#### PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

- **2008** – FOCIS Award for Best Poster (Trainee Satellite Symposium), Federation of Clinical Immunology Societies (FOCIS).
- **2008** – “Fondazione Gaslini Lecture” Award, Italian Society of Pediatrics (SIP) and Fondazione Gerolamo Gaslini.
- **2007** – ONLUS-AICC Award “*Cell cultures in biomedical research*”.
- **2005** – “Guido Berlucchi” Award for young cancer researchers.
- **2005** – “Giulia Colletta” Award for research on neoplastic transformation, AIRC.
- **2005** – Gerolamo Gaslini Young Investigator Award.
- **2003** – Telethon Research Fellowship Award.

#### TECHNOLOGY TRANSFER AND PATENTS

- **Patent:** “*Therapeutic and diagnostic methods and compositions targeting 4IgB7H3 and its counterpart NK cell receptor*” (University of Genoa & Innate Pharma, Marseille, France).
- **Patent:** “*IgG-derived B7-H3-Specific Chimeric Antigen Receptor (B7-H3 CAR) effector cells for the treatment of CD276+ tumors and autoimmune diseases*” (University of Genoa & Bambino Gesù Hospital, Rome; Italian patent No. 102022000025596).
- **Patent:** “*IgM-derived B7-H3-Specific Chimeric Antigen Receptor (B7-H3 CAR) effector cells for the treatment of CD276+ tumors and autoimmune diseases*” (University of Genoa & Bambino Gesù Hospital, Rome; Italian patent No. 102022000025593).

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## OTHER ACADEMIC ACTIVITIES

#### MEMBERSHIPS

- SIOPEN (committees: *Immunotherapy, Biology, Drug Development*).
- Ph.D. Program in Clinical and Experimental Immunology, University of Genoa.
- REPRISE Register of Expert Peer-Reviewers, Italian Ministry of University and Research.
- Italian Society of Immunology, Clinical Immunology and Allergology (SIICA, Board Member 2021–2024).
- SIICA Gender Equality Committee.
- Italian Network for Cancer Biotherapy (NIBIT).
- Rector’s delegate for the “Univaxday” initiative (promoted by SIICA and Italian Universities).

#### TUTORING

- Supervisor for laboratory internship for Bachelor’s thesis (Biotechnology Program, University of Genoa).
- Ph.D. supervisor with “European Label” (Ph.D. in Clinical and Experimental Immunology, 2015–2018).

#### REVIEWER ACTIVITY

- Reviewer for journals including *Frontiers in Immunology*, *Immunology Letters*, *Journal of Immunology Research*, *PLOS ONE*, *Cells*, *Cancers*, *Oncoimmunology*.
- International Reviewer, *NCRC Pediatric Research Project Grant 2017*.
- Reviewer for ANVUR-VQR 2011–2014.
- Reviewer for REPRISE register (MIUR).
- Reviewer for SIR program (*Scientific Independence of Young Researchers*).