

## Michele Sommariva, PhD

Associate Professor of Human Anatomy

ORCID ID: 0000-0002-7622-0996, Scopus Author ID: 24578240200, WOS ID: C-1174-2017

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### **EDUCATION AND TRAINING**

**2010:** PhD in Morphological Sciences, University of Milan (Italy)

**2007:** Master's degree in Pharmaceutical Biotechnology, University of Milan (Italy)

**2004:** Bachelor's degree in Biotechnology, University of Milano-Bicocca (Italy)

### **CURRENT POSITION**

**2023 – Present:** Associate Professor of Human Anatomy, Department of Biomedical Sciences for Health, University of Milan (Italy)

### **WORK EXPERIENCE**

**2020 – 2023:** Assistant Professor of Human Anatomy, University of Milan (Italy)

**2016 – 2019:** Research Fellow, University of Milan (Italy)

**2015 – 2016:** Post-Doctoral Fellow, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano (Italy)

**2012 – 2015:** Post-Doctoral Visiting Fellow, National Institutes of Health (USA)

**2011 – 2012:** Post-Doctoral Fellow, University of Milan (Italy)

**2007 – 2010:** PhD Student, University of Milan (Italy)

### **RESEARCH INTERESTS**

- Study of the role of the cancer-associated microbiota in modulating the immune and stromal microenvironment in preclinical models of lung, mammary and melanoma tumors
- Evaluation of the expression and function of PD-1 in macrophages and NK cells
- Study of the immunological bases of the clinical phenomenon of hyperprogressive disease after PD-1 blockade therapy
- Study of epithelial-to-mesenchymal transition (EMT) mechanisms and characterization of the effect of extracellular matrix components in pancreatic, melanoma and prostate tumor progression.
- Evaluation of Toll-like receptors (TLRs) agonists for cancer therapy
- Evaluation of the expression and function of Toll-like receptors (TLRs) in normal and tumor tissues and during embryonic development

### **FUNDINGS**

**2024:** Research Program 2 on Precision Medicine funded by Fondazione IRCCS Istituto Nazionale dei Tumori di Milano. Role: Co-Principal investigator

**2023:** Linea 2 2023 funded by the University of Milan. Role: Research Team member

**2021:** Grandi Sfide di Ateneo (GSA) funded by the University of Milan. Role: Research Team member

**2020:** Linea 3 del piano di sostegno alla ricerca 2020 (Seal of Excellence - SOE SEED 2020) funded by University of Milan. Role: Principal investigator

**2020:** Linea 2 2020 funded by the University of Milan. Role: Research Team member

**2018:** My First AIRC Grant 2017 funded by AIRC - Fondazione AIRC per la Ricerca sul Cancro. Role: Principal investigator

**2018:** Piano di sostegno alla Ricerca 2015-2017 – Linea 2 assegnazione 2018 Azione A funded by the University of Milan. Role: Research Team member

**2017:** Piano di sostegno alla Ricerca 2015-2017 – Linea 2 assegnazione 2017 Azione A funded by the University of Milan. Role: Principal investigator

**2014:** AIRC Investigator Grant funded by AIRC - Fondazione AIRC per la Ricerca sul Cancro. Role: Research Team member

**2010:** AIRC Investigator Grant funded by AIRC - Fondazione AIRC per la Ricerca sul Cancro. Role: Research Team member

### **BIBLIOMETRIC INDEXES**

N° of publications: 53

N° of citations: 2048

h-index: 21

### **EDITORIAL ACTIVITIES**

- Editorial Board member of the Journal Scientific Reports
- Guest Editor of the Special Issue “The Cytoskeleton: Structural, Functional, and Pathological Aspects”. Journal: Cells
- Guest Editor of the Special Issue “Role and Regulation of Toll-Like Receptors and Signalings in Development and Disease”. Journal: Cells
- Guest Editor of the Special Issue “The Immunobiology of the Skin in Response to the Environment”. Journal: Frontiers in Immunology
- Reviewer for the following Journals: Cancer Research, Journal of Translational Medicine, Frontiers in Oncology, Frontiers in Immunology, International Journal of Molecular Sciences, Heliyon, Tumori Journal, Oncotargets and Therapy

### **TEACHING ACTIVITIES**

Anatomy course for MD School (International Medical School), University of Milan

Anatomy course for Bachelor’s Degree in Medical Biotechnology, University of Milan

Anatomy course for Bachelor’s Degree in Nursing, University of Milan

Anatomy course for Bachelor’s Degree Biomedical Laboratory Techniques, University of Milan

Member of the Faculty of the PhD Programme in Translational Medicine, University of Milan

### **AWARDS**

2017 AACR-SIC Scholar-in-Training Award

### **SCIENTIFIC SOCIETIES AFFILIATIONS**

Member of the Italian Society of Anatomy and Histology (SIAI)

Member of the European Association for Cancer Research (EACR)

Member of the Italian Cancer Society (SIC)