

## Curriculum vitae of Saverio Marchi

Last name: **MARCHI**

First name: **SAVERIO**

Position: Associate Professor at the Dept. of Clinical and Molecular Sciences, Marche Polytechnic University

### EDUCATION and TRAINING

- March 2010: PhD, Pharmacology and Molecular Oncology (three years), Dept. of Experimental and Diagnostic Medicine, University of Ferrara. Title of the thesis: "The Ca<sup>2+</sup> signal as common target of three different proteins involved in the apoptotic process". Supervisor: Prof. Rosario Rizzuto.
- March 2006: BS degree, specialistic school in Biomolecular and Cellular Sciences (two years), Dept. of Experimental and Diagnostic Medicine, University of Ferrara. Title of the thesis: "L'isomerasi Pin1 come mediatore dello stress ossidativo a livello mitocondriale". Supervisor: Prof. Rosario Rizzuto.
- March 2004: BS degree, Biological Sciences (three years), Dept. of Clinical and Experimental Medicine, University of Ferrara. Title of the thesis: "Caratterizzazione farmacologica dei recettori dell'adenosina in linee cellulari tumorali umane". Supervisor: Prof. Pier Andrea Borea.

### PROFESSIONAL EXPERIENCES

- From December 2021 to present: Dept. of Clinical and Molecular Sciences, Marche Polytechnic University. **Associate Professor**
- From December 2018 to December 2021: Dept. of Clinical and Molecular Sciences, Marche Polytechnic University. **Assistant Professor**
- From April 2018 to December 2018: Dept. of Morphology, Surgery and Experimental Medicine, University of Ferrara. **U. Veronesi Researcher**. Supervisor: Prof. Paolo Pinton
- From January 2015 to March 2018: Dept. of Experimental and Diagnostic Medicine, University of Ferrara. **Post-Doc**. Supervisor: Prof. Paolo Pinton
- From January 2014 to December 2014: University of Hawaii Cancer Center, Honolulu, Hawaii. **Post-doc**. Supervisor: Prof. Michele Carbone.
- From January 2011 to December 2013: Dept. of Experimental and Diagnostic Medicine, University of Ferrara. **FIRC fellowship**. Supervisor: Prof. Paolo Pinton
- From November 2009 to December 2010: INSERM, Institute Gustave Roussy, Villejuif (Paris), France. **EMBO fellowship**. Supervisor: Prof. Guido Kroemer

### AWARDS

- July 2021: Included by Expertscape (<https://expertscape.com/>) in the list of "World Expert" on the topic MITOCHONDRIA (<https://expertscape.com/ex/mitochondria>). Expertscape's PubMed-based algorithms identify the top 0.1% of scholars writing about Mitochondria over the past 10 years, a level labelled as "World Expert".
- September 2019: Best Researcher Under 40, Società Italiana di Anatomia e Istologia (SIAI)
- December 2017: Fondazione Umberto Veronesi Research fellowship
- April 2014: Giovani Ricercatori award, University of Ferrara
- November 2010: FIRC awarded, Fellowship *Lenino Fontana and Maria Lionello*
- October 2009: EMBO awarded

### DIDACTIC WORK

- 2022-present: Professor of Histology, (degree course: Dentistry and Dental Prosthetics) Polytechnic University of Marche. Faculty of Medicine and Surgery
- 2019-present: Professor of Histology, (degree course: Nursing) Polytechnic Marche Polytechnic University. Faculty of Medicine and Surgery

- 2020-2021: Professor of Histology, (degree course: Dietistic Sciences) Polytechnic University of Marche. Faculty of Medicine and Surgery
- 2020-2021: Professor of Histology, (degree course: Imaging and Radiotherapy Technique) Marche Polytechnic University. Faculty of Medicine and Surgery
- 2019-2021: Professor of Histology, (degree course: Biomedical Laboratory Techniques) Marche Polytechnic University. Faculty of Medicine and Surgery
- 2011-2018: Adjunct Professor of General Clinical Nursing - General Pathology - (degree course: Nursing), University of Ferrara.
- 2010-2013: Adjunct Professor of General Pathology (degree course: Pharmacy), University of Ferrara.

## GRANTS

- 2024: Principal Investigator, Fondazione Telethon-Fondazione Cariplo Grant. Project: "Functional characterization of the mitochondrial protein CCDC58 and its role in 3-methylglutaconic aciduria type 9".
- 2023: Head of Operative Unit, "Progetti di Rilevante Interesse Nazionale" (PRIN\_PNRR\_2022) of the Italian Ministry of University and Research. Project: "Discovering novel strategies to prevent epilepsy by targeting autophagy and mitophagy pathways".
- 2023: Principal Investigator, "Progetti di Rilevante Interesse Nazionale" (PRIN\_2022) of the Italian Ministry of University and Research. Project: "Exploring mitochondrial-derived vesicles (MDVs) content, dynamics, and functions during inflammatory response".
- 2023: Head of Operative Unit, PNRR Grant: M6/C2\_CALL 2022 of the Italian Ministry of Health Project: "The role of the mitochondrial permeability transition pore as a novel molecular target for stroke treatment".
- 2022: Collaborator, Grant from the European Union - NextGenerationEU through the Italian Ministry of University and Research under PNRR - M4C2-I1.3 Project PE\_0000019 "HEAL ITALIA".
- 2018: Principal Investigator, "Young Researchers Grant" of the Italian Ministry of Health (Ricerca Finalizzata). Project: "Analysis of the modulation of the MCU complex expression and activity in stomach and colorectal cancers".

## EDITORIAL ACTIVITY

- Editorial board member of the "*Cancer Drug Resistance*" Journal.
- Section Editor of "*Cells*" Journal, "Cell Signaling and Regulated Cell Death" Section.
- Associate Editor of "*Frontiers in Molecular and Cellular Oncology*" Journal (specialty section of Frontiers in Oncology and Frontiers in Cell and Developmental Biology).
- Editorial board member of the "*Molecular and Cellular Oncology*" Journal.
- Editor of two volumes (n° 374 and 377) on the thematic issue: "Mitochondria and bacterial pathogens – Part A & B", for the book collection "International Review of Cell and Molecular Biology".
- Editor of two volumes (n° 362-363) on the thematic issue: "Inter-Organellar Ca<sup>2+</sup> Signaling in Health and Disease – Part A & B", for the book collection "International Review of Cell and Molecular Biology".
- Editor of the Special Issue "Dysregulation of Ca<sup>2+</sup> signalling in disease" for "*Cells*" journal ([https://www.mdpi.com/journal/cells/special\\_issues/Calcium\\_signalling](https://www.mdpi.com/journal/cells/special_issues/Calcium_signalling)).

## CONFERENCE ACTIVITIES

- Invited Speaker at the ABCD Meeting "Riunione Nazionale Dottorandi", Gubbio (Italy). "Akt activity in Endoplasmic Reticulum and mitochondria: a Ca<sup>2+</sup>-dependent pathway controlling cell fate" from 18-06-2009 to 20-06-2009.
- Invited Speaker at the ECM congress "CEREBROVASCULAR MALFORMATIONS: NATURAL HISTORY, PATHOGENIC MECHANISMS, DIAGNOSIS AND TREATMENT OF CAVERNOUS

ANGIOMAS AND OTHER CEREBROVASCULAR MALFORMATIONS", Torino (Italy). "Cellular processes underlying Cerebral Cavernous Malformations: autophagy as another point of view" 09-06-2017.

- Invited Speaker at the 68th SIF (Società Italiana di Fisiologia) National Congress, Pavia (Italy). "Autophagy regulation by redox signaling" from 06-09-2017 to 08-09-2017.
- Scientific Committee Member of the GEI-SIBSC and SII (Società Italiana Istochimica) joined Congress, Ancona (Italy), from 24-6-2019 to 27-6-2019.
- Invited Speaker at the 73th SIAI (Società di Anatomia e Istologia) National Congress, Napoli (Italy). "Role of Mitochondrial Calcium in Cancerogenesis" from 22-9-19 to 24-9-19.

## PUBLICATIONS

**82** publications on "peer-reviewed" journals, **31** as First (or Co-first) Author - Last Author - Corresponding Author (h-index: **44**; n° of citations > **7800**; *i10*-index: **74**. Source: Scopus).

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