

Jasmin Ortolan

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EDUCATION

- 2024** **PhD in Experimental Medicine, Curriculum of Molecular and Cellular Pathology of Aging- related diseases. Department of experimental medicine (DIMES)**
University of Genoa
- 2017** **Master Degree in Medical-Pharmaceutical Biotechnology**
University of Genoa
- 2015** **Bachelor Degree in Biotechnology**
University of Genoa
- 2011** **High School Graduation**
"Liceo Classico S.G. Calasanzio"
Carcare

LANGUAGE: **Italian** (mother tongue)
English (fluent)

SOFTWARE: Microsoft Office Suite, Open Office, Adobe Lightroom, Image J, Graph Pad Prism, End Note, Zotero.

TRAINING EXPERIENCES

- 04/2024-Present** **Affiliated Researcher at IIT (NSYN @UniGe), Department of pharmacology (DIFAR)**
University of Genoa
- 11/2020- 01/2024** **PhD student, Curriculum of Molecular and Cellular Pathology of Aging-related diseases. Department of experimental medicine (DIMES)**
University of Genoa
- 06/2018-10/2020** **Research assistant, Alzheimer's Center, THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH, Northwell Health**
During this period with Prof. Luca Giliberto I had the opportunity to learn new laboratory techniques and to manage a murine colony. The research was focused on Alzheimer's disease and in the last period we focused on the

study of Interferon regulatory factor 5 as a modulator of Tau accumulation in Alzheimer pathology.

Manhasset, New York

09/2017- 05/2018

Apprenticeship at the Neuro-Immunology Lab Prof. Antonio Uccelli

University of Genoa

03/2016- 07/2017

Internship at Neuro-Immunology Lab, University of Genoa

Master Thesis Internship tutor Prof. Antonio Uccelli. Title of the thesis: "Mesenchymal stem cells instruct reactive astrocytes toward a protective/regenerative phenotype *in vitro*."

03/2013 – 07/2015

Internship at the Human Fisiology Lab, University of Genoa

Thesis Internship, tutor Prof. Silvia Giovedì.

Title of the thesis: "The role of Synapsin III during the early stages of neuronal development"

05/2014 –05/2014

Internship at Santa Corona Hospital

I acquired some new skills in using diagnostic analysis equipment.

Pietra Ligure, Italy

PROFESSIONAL SKILLS

- Standard cell cultures
- Primary neuronal, astrocytes and microglia cell culture obtained from mice
- Immunohistochemistry and immunocytochemistry
- Immunohistofluorescence and immunocytofluorescence
- Amnis imaging flow cytometry
- Transgenic mouse colony management
- Real Time PCR
- Elisa
- Western blotting
- Golgi staining
- Use of confocal microscopy and analysis with ImageJ software

PUBLICATIONS

1. Vitale F, **Ortolan J**, Volpe BT, Marambaud P, Giliberto L, d'Abramo C. *Intramuscular injection of vectorized-scFvMC1 reduces pathological tau in two different tau transgenic models*. Acta Neuropathol Commun. 2020 Aug 6;8(1):126. doi: 10.1186/s40478-020-01003-7. PMID: 32762731; PMCID: PMC7409655.
IF: 7.581
2. Vigo T, Voulgari-Kokota A, Errede M, Girolamo F, **Ortolan J**, Mariani MC, Ferrara G, Virgintino D, Buffo A, Kerlero de Rosbo N, Uccelli A. *Mesenchymal stem cells instruct a beneficial phenotype in reactive astrocytes*. Glia. 2021 May;69(5):1204-1215. doi: 10.1002/glia.23958. Epub 2020 Dec 31. PMID: 33381863.
IF: 8.073
3. Nitti M, **Ortolan J**, Furfaro AL. *Role of heme oxygenase-1 in tumor immune escape*. Redox Experimental Medicine. 2023 June. doi: 10.1530/REM-23-0006.
4. **Ortolan J**, Furfaro AL, d'Abramo C, Giliberto L, Nitti M, *NRF2/HO-1 pathway limits TLR4- and TLR7/8-dependent IRF5 activation in macrophage-like cells*. Free Radical Biology and Medicine, Volume 201, Supplement 1, 2023, Page 22. ISSN 0891-5849, doi: 10.1016/j.freeradbiomed.2023.03.101. Meeting abstract.

May, 2024

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