

Irene D'Arsiè

Experience

25/10/2022 – 31/05/2023

Master thesis research internship – Prof. Carmen Sandi's group, Laboratory of Behavioural Genetics (BMI), Station 19, SV, EPFL, Lausanne, Switzerland.

Research project: Impact of mitofusin 2 on accumbens-associated behaviours and underlying neurobiological mechanisms.

Technical skills and competences: Immunohistochemistry, correlative-light electron microscopy, behavioural tests on mice, neuronal primary cultures, image acquisition with fluorescence microscope.

01/10/2020 – 30/09/2021

Research fellowship – Prof. Stefano Piccolo's group, Department of Molecular Medicine, Via Ugo Bassi 58/b, University of Padova, Italy.

Research project: Transgenic mice genotyping.

Technical skills and competences: Mouse colonies management, DNA extraction from tissue, PCR, DNA electrophoresis. DNA, RNA and protein extraction from cell cultures, cDNA and RT-PCR, cloning, immunofluorescence staining.

01/02/2020 - 30/06/2020

Erasmus + for Traineeships – Prof. Lill-Tove Rasmussen Busund's group (Translational Cancer Research group),

25/08/2023

Education

09/2020 – 07/2023

Master of Science in Cellular and Molecular Biotechnology – Neurobiology curriculum
University of Trento, Italy

Principal subjects: pharmacology, neurodegenerative processes, neurogenesis, cellular and molecular neurobiology, plasticity mechanisms of the CNS.

Advisor: Prof. Luciano Conti

Thesis title: A potential mechanism behind depressive-like behaviour: the impact of accumbal mitofusin2 loss on mitochondrial morphology and DRD1 medium spiny neurons function.

Final grade: 105/110

10/2016 - 10/2019

Bachelor's Degree in Biomedical Laboratory Techniques
University of Padova, Italy

Principal subjects: cellular biology, physiology, pathology, laboratory techniques.

Advisor: Prof. Gianmaria Pennelli

Thesis title: Immunological landscape of follicular cell derived PDTC and ATC.

Final grade: 108/110

Department of Medical Biology, Hansine Hansens veg 18, The Arctic University of Norway, Tromsø, Norway.

Technical skills and competences:

Immunohistochemistry, In situ Hybridisation, RNAscope, assessment of functional features of commercial cell lines from breast-, colon-, lung- and prostate cancer.

04/03/2019 – 15/10/2019

Bachelor thesis research internship – Unit of Pathological Anatomy and Cytodiagnosics, University of Padova, Italy.

Technical skills and competences: Sectioning of paraffin blocks (microtome and cryostat), manual and automatic immunochemical staining, immunohistochemistry, RT-PCR, manual DNA extraction from FFPE tissue, sequencing techniques, cyto-diagnostics techniques.

21/05/2018 - 27/07/2018

Curricular internship - Department of Immunohematology and Transfusion Medicine, University Hospital of Padova, Italy.

Technical skills and competences: Direct and Indirect antiglobulin test (DAT/IAT), antibody titration, processing of blood, plasma and platelet, blood type assay.

22/05/2017 – 28/07/2017

Curricular internship - Unit of Laboratory Medicine, University Hospital of Padova, Italy.

Technical skills and competences: internal quality controls, external quality assessment, enzyme immunoassay, cytofluorimetry, haematology and coagulation.

09/01/2017 – 03/03/2017

Curricular internship - Unit of Microbiology, University Hospital of Padova, Italy.

Technical skills and competences: bacteriology and virology department, molecular biology, rapid serological tests, seeding techniques.

25/08/2023

Language Skills

- **Italian:** mother tongue
- **English:** B2
- **French:** A2

Computer skills

- Microsoft office
- QuPath
- Fiji

Reference

Prof. Stefano Piccolo

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