

MARGHERITA BELTRAME



WORK EXPERIENCE

Master's Internship Human Technopole

Nov 2022 – Nov 2023

Thesis internship at Human Technopole research center, in Dr. Taverna's group. My project is aimed at studying the post-synaptic compartment using iPSCs-derived neurons, focusing on dendritic spines to understand how their dynamics correlate with the functional maturation of human compared to chimpanzee neurons.

Bachelor's Internship University of Pavia

Oct 2020 – Mar 2021

Thesis internship held at the Laboratory of Integrated Neurobiology and Physiology. The experiment was aimed at studying anxiety and aging in mouse models by the use of behavioral tests.

Climbing Instructor FASI

Nov 2019 – ongoing

Ski instructor and II Level Coach FIS

Apr 2017 – ongoing



EDUCATION AND TRAINING

Master's Degree in "Molecular Biology and Genetics" University of Pavia

Oct 2021 – Dec 2023

IELTS Certification B2 level – English

Jun 2021

Bachelor's Degree In Biotechnology University of Pavia

Oct 2017 – Apr 2021

Climbing Instructors training course FASI

Mar 2019 – Nov 2019

Alpine Ski Instructors training course FIS

Apr 2016 – Jun 2017

High School Diploma Liceo Scientifico I. Bachmann (Tarvisio)

Sep 2011 – Jun 2016



PROFILE

Master student in Molecular Biology and Genetics at University of Pavia.

Currently doing thesis internship at Human Technopole research center in Dr. Taverna's group. The project is based on the use of iPSC technologies and is aimed at studying the relative contribution of the pre- vs post-synaptic compartments to the delayed functional maturation of human compared to chimpanzee neurons.

The field of Neuroscience has always fascinated me and I would like to investigate and target a more pathological and clinical aspect of research.

Moreover, thanks to my work experience in other fields such as Ski and Climb Instructor, I have acquired good skills in terms of communication, work organization and teamwork.

COMPETENCES In Lab & PERSONAL SKILLS

- Use of microscopy: phase contrast, fluorescence and confocal together with Super Resolution (training provided by Human Technopole)
- Laboratory techniques: cell culture maintenance and differentiation, single cell labelling by immunofluorescence and transfection
- Image analysis and quantification by ImageJ/Fiji software, GraphPad and Excel
- Clear communication, independent design and planning skills acquired during different training

References

Dr. Elena Taverna

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