



Eleonora Busani

WORK EXPERIENCE

1 JAN 2024 – 30 JUN 2024 Milan, Italy

RESEARCH FELLOW MARIO NEGRI INSTITUTE FOR PHARMACOLOGICAL RESEARCH

1 SEP 2022 – 31 DEC 2023 Milan, Italy

RESEARCH INTERNSHIP MARIO NEGRI INSTITUTE FOR PHARMACOLOGICAL RESEARCH

Technical skills acquired

Cell biology techniques:

- Murine and human cell lines culture and maintenance;
- Transient cell transfection and selection of stably transfected clones;
- Cell infection with murine prion strains in a biosafety level 3 laboratory;
- Immunofluorescence, pulse chase labeling technique and insolubility assay.

Molecular biology techniques:

- DNA and protein extraction,
- Western blot analysis,
- Enzyme digestion and ligation,
- Bacterial transformation,
- Plasmidic DNA purification from gel (mini- and maxi-prep).

MAR 2021 – JUL 2021 Parma, Italy

INTERNSHIP TRAINEE STRESS PHYSIOLOGY LABORATORY, UNIVERSITY OF PARMA

Technical skills acquired:

- Rat handling
- Rat behavioural tests

EDUCATION AND TRAINING

4 OCT 2021 – 14 DEC 2023 Pavia, Italy

MASTER DEGREE IN EXPERIMENTAL AND APPLIED BIOLOGY - BIOMEDICAL AND MOLECULAR SCIENCES University of Pavia

Internship at the Laboratory of Prion Neurobiology, Mario Negri Institute for Pharmacological Research

Website <https://portale.unipv.it/it> | **Final grade** 110/100 cum laude | **Level in EQF** EQF level 7 |

National classification Laurea magistrale | **Type of credits** CFU/ECTS | **Number of credits** 120 |

Thesis A novel approach to study the cellular metabolism of the prion protein (PrP): generation of the PrP-HaloTag chimaera

30 SEP 2018 – 14 JUL 2021 Parma, Italy

BACHELOR DEGREE IN BIOLOGY University of Parma

Internship at the Stress Physiology Laboratory, University of Parma.

During my second year of University I applied to the **Overworld program** and I gained a grant to study at the **Boston College** for a semester (<https://www.bc.edu>).

Website <https://www.unipr.it> | **Final grade** 110/110 cum Laude | **Level in EQF** EQF level 6 |

National classification Laurea triennale | **Type of credits** CFU/ECTS | **Number of credits** 180 |

Thesis Evaluation of brain lipid profile alterations in an animal model of stress-induced depression

My high school was mainly focused on literature, history and culture of both contemporaneous and ancient societies. I studied the grammar and the literature of different languages such as Italian, English, French, Old Greek and Latin. I acquired good team-working skills during three school-work experiences:

- Volunteering associations "Workout Pasubio" and "Forum Solidarietà"
- Hospital of Parma, Department of Nuclear Medicine
- Culinary "Gola Gola Festival" of Parma

During my fourth year of high school I spent a semester as an **exchange student in Canberra**, where I have been hosted by an Australian family and I attended the Gungahlin College (<http://www.gungahlincollege.act.edu.au>).

Address viale Maria Luigia 1, 43125, Parma, Italy | **Website** <https://www.liceoromagnosi.edu.it/wp/>

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s): **ENGLISH (C1) | FRENCH (B1)**

● CONFERENCES AND SEMINARS

Poster presentations

Characterization of a PrP-HaloTag chimaera

Antonio Masone, Lorenzo Tairarol, Marvin Oldrati, Ilaria Ortenzi, [Eleonora Busani](#), Roberto Chiesa.
11th Iberian Prion Congress, 11-12 May 2023, Barcelona (Spain)

Characterization of wild-type and mutant PrP-HaloTag chimeras

[Eleonora Busani](#), Antonio Masone, Roberto Chiesa.
12th Iberian Prion Congress, 23-24 May 2024, Santiago de Compostela (Spain)

Mario Negri Institute for Pharmacological Research

PhD students' meeting

- PhD Students' Meeting 2023 - staff
- PhD Students' Meeting 2024 - poster presentation

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and adaptability

Good communication skills in English gained through the experiences as exchange student in Australia and in the US, where I spent a semester during the fourth year of high school and during the second year of University respectively. By living in a different country I developed the ability to adapt to different situations and contexts and to be open-minded towards new cultures and customs.