

FABIO LUCA GUZZI

Fabioluca.guzzi01@universitadipavia.it

Thesis Title: “*Molecular mechanisms underlying neuroendocrine tumorigenesis*”

Supervisor: Prof. Natalia Simona Pellegata.

Reviewer: Prof. Ornella Cazzalini.

EDUCATION

- **October 2025 - ongoing:** Ph.D. Student in Genetics, Molecular and Cellular Biology, University of Pavia.
- **2023 - 2025:** Master’s degree in Experimental & Applied Biology, 110 cum laude, University of Pavia.
- **2020 - 2023:** Bachelor’s degree in biotechnology, 110 cum laude, University of Pavia.
- **2015 - 2020:** High school diploma in Chemistry, 100 cum laude, G. Marconi, Tortona.

RESEARCH EXPERIENCE

- **2023 - 2025:** Research internship in Human Genetics - Cancer Genetics Laboratory, Department of Biology and Biotechnology, master’s thesis title: “**Evaluation of a novel cytotoxic SSA for the treatment of NETs**”.
- **2022 - 2023:** Research internship in Medical Genetics Laboratory, Department of Molecular Medicine, bachelor’s thesis title: “**A dual-reporter strategy to identify modulators of protein levels: a proof of concept in ADLD**”.

TRAINING COURSES

- **2025:** CPD certification “learn & grow: dPCR 2.0” provided by QIAGEN
- **2025:** Theoretical courses on national legislation, ethics, and the proper use of rodents and lagomorphs in experimental research (Italian Ministry Decree, August 5th 2021), delivered by the Istituto Zooprofilattico Sperimentale della Lombardia e dell’Emilia Romagna “Bruno Ubertini”.
- **2025:** Participation in the second edition of the Summer School in Flow Cytometry, University of Pavia.
- **2024:** Training for autonomous use of the Leica DM6 widefield microscope at the University of Pavia – Centro Grandi Strumenti.

TECHNICAL SKILLS

Cell Culture:

- Maintaining of a wide range of mammalian cell lines (adherent and suspension), in both 2D and 3D.
- Treatment cancer cell models with antitumoral drugs and cell viability/DSB/apoptosis evaluation.
- Plasmids transfection by lipofectamine-based method.

Proteins Analysis:

- Protein extraction, separation and quantification via BCA assay.
- SDS-PAGE and Western blotting for protein detection.
- Immunofluorescence staining and analysis by fluorescence microscopy.

Nucleic Acids:

- DNA/RNA extraction, purification and quantification.
- PCR, RT-PCR, qPCR and agarose gel electrophoresis.
- Molecular cloning of vectors via restriction digestion and ligation.

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PARTECIPATION TO CONGRESS

- **2021:** Participation in Trieste NEXT – Festival of Scientific Research, Trieste, Italy (24–26 September 2021).
- **2020:** Special Guest at XYLEM Europe Summit (13–16 January 2020), presentation of the project “From the Earth for the Earth: Development and engineering of clays for the removal of hydrocarbons from water”.
- **2019:** Poster presentation in the Stockholm Junior Water Prize (24–29 August 2019), with the project “From the Earth for the Earth: Development and engineering of clays for the removal of hydrocarbons from water”.
- **2019:** Poster presentation in the 31st edition of FAST – “I Giovani e le Scienze” competition, with the project “From the Earth for the Earth”.

AWARDS AND HONORS

- **2020:** Third place, *Regional Competition “Giochi della Chimica” (Chemistry Games), Piemonte/Valle d’Aosta section*, organized by the Italian Chemical Society.
- **2019:** Third place, *Regional Competition “Giochi della Chimica” (Chemistry Games), Piemonte/Valle d’Aosta section*, organized by the Italian Chemical Society.
- **2019:** Winner of the *31st edition of FAST – “I Giovani e le Scienze”* competition; selected to represent Italy at the *Stockholm Junior Water Prize 2019*.

REFEREES

- **Natalia Simona Pellegata**, Department of Biology and Biotechnologies, University of Pavia.
- **Elisa Giorgio**, Department of Molecular Medicine, University of Pavia.

LANGUAGES

- English: Confident speaker (B2).
- Italian: Native speaker.

I give consent to process my data with the purpose of the recruitment process, in accordance with the Regulation of the European Parliament 679/2016, regarding the protection of natural people and free movement of such data.

SEPTEMBER 2025

