

CURRICULUM VITAE

Giosia Rossignod

Born: 16-11-1998 in Aosta (Italy)

Work Address: Laboratory of platelet biochemistry, Cascina Cravino, via Bassi 21, Pavia (PV), Italy.

Department of Biology and Biotechnology “L. Spallanzani”. University of Pavia

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Languages: *Italian:* mother tongue. *English:* proficient. *French:* Intermediate. *Spanish:* basic.

EDUCATION

- Oct. 2024 – UNIVERSITY OF PAVIA
PhD student in Biomedical Sciences, XL cycle. Curriculum Biochemistry.
Project: *Platelet-derived extracellular vesicles as modulators of Glioblastoma Multiforme progression and response to therapy.*
Supervisor: Prof. Gianni F. Guidetti. Department of Biology and Biotechnology, University of Pavia, Italy
- Oct. 22 –Jul. 24 UNIVERSITY OF PAVIA
M.Sc. in Molecular Biology and Genetics (110/110 cum laude).
Experimental Thesis: *Preliminary analysis of the effects of platelet-derived extracellular vesicles on the response of Glioblastoma Multiforme cell lines to chemotherapeutic agents.*
Supervisor: Prof. Gianni F. Guidetti. Department of Biology and Biotechnology, University of Pavia, Italy
- Oct. 19 –Sep. 22 UNIVERSITY OF PAVIA
B.Sc. in Biological Sciences (110/110 cum laude). Experimental Thesis: *Studies on photodegradation of CBG.* Thesis Supervisor: Prof. Stefano Protti. Department of Chemistry, University of Pavia, Italy
- 2012 –2017 Istitute Regina Maria Adelaide
Scientific and technological high school. Aosta, Italy

PROFESSIONAL AND RESEARCH EXPERIENCE

- Oct 24 – PhD student in Biomedical Sciences, XL cycle. Curriculum Biochemistry. University of Pavia, Italy.
- 2024- Supervision of bachelor students, University of Pavia.
- Jun. 26 – Oct. 26 Research period abroad in the SOAP lab under the supervision of Dr. Julie Gavard (Nantes, FR)
- 2025 Seminars on Biological Chemistry (Bachelor program in Chemistry). University of Pavia, Italy.
- 2025 Tutoring activity: Industrial Biochemistry (Master program in Advanced Biotechnologies). University of Pavia, Italy.
- Oct. 22 – Jul. 24 Master student. Two years internship in the laboratory of “Platelet biochemistry” under the supervision of Prof. G. F. Guidetti, Department of Biology and Biotechnology, University of Pavia, Italy.
- Mar. 22 – Jul. 22 Bachelor Student. Internship in the “PhotoGreen Lab” under the supervision of Prof. Stefano Protti. Department of Chemistry, University of Pavia, Italy
- 2022-2026 Tutoring activity: Course “Laboratory of Biomolecular Methodologies” (Bachelor program in Biology). University of Pavia, Italy.

CONFERENCES

1. Rossignod G, Zarà M, Bonaldi V, Rustichelli S, Gemme M, Canobbio I, Torti M, Guidetti G. **Platelet-derived extracellular vesicles as modulators of glioblastoma multiforme progression and response to therapy**. 1st UNITE CONFERENCE. Heidelberg, Germany 14-15th May 2025. Poster Presentation.
2. Rossignod G, Zarà M, Bonaldi V, Rustichelli S, Gemme M, Canobbio I, Guidetti G, Torti M. **Regulation of glioblastoma multiforme progression and response to therapy by platelet-derived extracellular vesicles**. 49th FEBS Congress. Istanbul, Turkey. 5-9 July, 2025. Poster Presentation.
3. Rossignod G, Zarà M, Bonaldi V, Rustichelli S, Gemme M, Canobbio I, Guidetti G, Torti M. **Platelet-derived extracellular vesicles as modulators of glioblastoma multiforme progression and response to therapy**. 63rd SIB Congress. Palermo, Italy 10-12 Sep 2025. Poster Presentation.
4. Rossignod G, Zarà M, Bonaldi V, Rustichelli S, Gemme M, Canobbio I, Torti M, Guidetti G. **Functional interplay between platelet and glioblastoma multiforme: investigating the role of platelet-derived extracellular vesicles**. 8th meeting of young biochemists in Lombardy. Pavia, Italy 28 sep 2025. Poster Presentation.
5. Rossignod G, Zarà M, Bonaldi V, Rustichelli S, Gemme M, Canobbio I, Torti M, Guidetti G. **Functional interplay between platelet and glioblastoma multiforme: investigating the role of platelet-derived extracellular vesicles**. XXIV National Meeting of Platelet Study Group. Pescara, Italy 5-7 oct 2025. Oral Communication.
6. Rossignod G, Zarà M, Casali C, Gemme M, Cavallo M, Di Martino D, Bonaldi V, Canobbio I, Torti M, Guidetti G. **Functional interplay between platelet and glioblastoma multiforme: investigating the role of platelet-derived extracellular vesicles**. 21st EANO Congress, Rome, Italy 24-27 sep 2026. Poster Presentation

TECHNICAL SKILLS

Biochemistry: Protein extraction and characterization, SDS-PAGE, western blotting, immunoblotting, ELISA, immunoprecipitation.

Platelet biology: platelets purification from buffy coat bags and human and murine blood, methods for analysis of platelet functionality (platelet aggregation, granules release, adhesion assays under static and flow conditions, platelet-neutrophil and platelet-leukocyte aggregates, flow-cytometric analysis of platelet activation, calcium movements)

Cellular Biology: cell viability assays, migration, proliferation, cell cycle, apoptosis, measurement of mitochondrial transmembrane potential, mitochondrial and intracellular ROS Assay. Isolation of extracellular vesicles (ultracentrifugation, immune-isolation, size exclusion chromatography, polymer-based precipitation), Nanoparticle Tracking analysis using Nanosight technology

Animal models: use of transgenic animal models (Mus musculus), genotype analysis, blood and tissue sampling, platelet function analysis

Imaging: immunofluorescence microscopy and immunohistochemistry

Molecular Biology: RT-PCR, qPCR, PCR

Softwares: ImageJ, Biorad Image Lab, GraphPad Prism, FlowJo, BD FACS Suite, Kaluza, PhotoShop, LasX.

SOFT SKILLS

Creativity, hard-working attitude, problem-solving, teamwork, resilience, adaptability, attention to details.

