



## Giulia Scanavino

Phone number: [REDACTED] Email address: [REDACTED]  
Work: [REDACTED]

### WORK EXPERIENCE

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**Doctoral School of Cell and Developmental Biology - "La Sapienza" University of Rome** – Roma, Italy

City: Roma | Country: Italy

#### PhD Student

[ 01/11/2022 – Current ]

Main topic:

- Study of new potential therapeutical target for Glioblastoma therapy

Other research topic:

- Study of neuroinflammation process in astrocyte cell lines
- Study of anti-inflammatory modulation of nicotinic receptors in human endometrial and follicular cells

Thesis: "Interaction between M2 muscarinic receptor and  $\beta$ -Arrestin1 in human glioblastoma: implication in cell proliferation and migration".

**"Blood-Brain Barrier Laboratory" - University of Artois** – Lens, France

City: Lens | Country: France

#### University research assistant

[ 01/03/2025 – 30/06/2025 ]

Abroad fellowship during PhD program.

Project title: "Study of the effects mediated by new derivatives of naphthalimide in modulation of Blood-Brain Barrier functionality: implication in Glioblastoma therapy".

**This project was funded by CIB fellowship (Consorzio Interuniversitario per le Biotecnologie).**

**"Systemic Amyloidosis and Multiple Myeloma Lab" - IRCCS San Matteo** – Pavia, Italy

City: Pavia | Country: Italy

#### University research assistant

[ 01/01/2022 – 31/10/2022 ]

Post-lauream research fellowship.

Project title: "Biobank management for molecular biology studies in AL amyloidosis".

**University of Pavia** – Pavia, Italy

City: Pavia | Country: Italy

#### Tutor

[ 09/2022 – 12/2022 ]

Fellowship for tutoring activities during developmental and neurodevelopmental laboratory classes for Bachelor's and Master's students.

### EDUCATION AND TRAINING

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**Theoretical and Practical training "12th Transmission Electron Microscopy (TEM) Course".**

**UniMoRe, SIICS and SISM** [ 12/09/2024 – 13/09/2024 ]

City: Modena

## Cambridge English Class B2

CLA (*Centro Linguistico di Ateneo*) [ 02/2024 – 03/2024 ]

City: Online

## Theoretical and practical training "Confocal microscopy Zeiss LSM900."

ZEISS [ 25/01/2024 – 26/01/2024 ]

City: Roma

## Workshop on "Upgrade in Focus: Beyond the Limits of the Microscope – How to Maximize the Performance of Your Systems."

ZEISS [ 23/05/2023 – 24/05/2023 ]

City: Roma

## Theoretical and practical course "Image-based flow cytometer ImageStream X Mk II."

Amnis [ 27/01/2022 ]

City: Online

## Master's Degree in Neurobiology

University of Pavia [ 2019 – 2021 ]

City: Pavia | Final grade: 110 cum laude | Thesis: Valutazione microscopica e immunocitochimica degli effetti di Ganoderma lucidum sulla linea cellulare di glioblastoma umano (U251) come adiuvante della chemioterapia.

## Bachelor's Degree in Biological Science

University of Pavia [ 2016 – 2019 ]

City: Pavia | Country: Italy | Thesis: Effetti del cisplatino su cellule di glioma di ratto in coltura (C6): studio immunocitochimico di organelli citoplasmatici e marcatori del processo autofagico.

## LANGUAGE SKILLS

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Mother tongue(s): Italian

Other language(s): English

## SKILLS

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### Cell culture

Suspension cells / Adherent cells / 3D culture model / Cell subpopulation isolation from blood sample

### Cellular and molecular biology techniques

Microscopy techniques / Immunofluorescence / Immunoprecipitation / Western Blot / PCR / RNA extraction / Plasmid transfection / Flow cytometry analysis / Plasmid purification and amplification

### Pharmacology techniques using radioactive compounds

Permeability and integrity assay in 3D models / Drug-receptor binding experiment

### Bioinformatics tools and analysis

Microsoft Office / ImageJ / GraphPad Prism / Image Lab / ZEN Lite / Mars / FlowJo / Pymol / Biorender

## CONFERENCES AND SEMINARS

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[ 10/09/2025 – 13/09/2025 ] Pisa

### SINS National Congress 2025

Abstract title for poster presentation: "M2-Receptor Stimulation in Blood-Brain-Tumour Barrier: Implications in Glioblastoma Therapy.

[ 10/09/2025 – 13/09/2025 ] Pisa

## SINS National Congress 2025

Abstract title for oral communication: "Binding and Dynamics of Dualsteric Agonists for M2R in Glioblastoma".

[ 02/10/2024 – 04/10/2024 ] San Lazzaro di Savena (BO)

### NeuCa Congress - The Neuroscience of Cancer – More than Neurons conference 2024.

Abstract title for poster presentation: "Effects mediated by  $\beta$ -Arrestin1 activation by M2 muscarinic receptor in human Glioblastoma cells"

Link: [https://boa.unimib.it/retrieve/1cd65b63-1137-4c01-be71-70989d04f63b/Tonelli-2024-The Neuroscience of Cancer-VoR.pdf](https://boa.unimib.it/retrieve/1cd65b63-1137-4c01-be71-70989d04f63b/Tonelli-2024-The%20Neuroscience%20of%20Cancer-VoR.pdf)

[ 25/06/2024 – 29/06/2024 ] Vienna (AU)

### FENS Forum - Federation of European Neuroscience Societies 2024.

Abstract title for poster presentation: "Interaction between M2 Muscarinic receptors and  $\beta$ -1 arrestin in glioblastoma cell lines: effects mediated by orthosteric and dualsteric agonists"

Link: <https://air.unimi.it/handle/2434/1094100>

[ 08/06/2023 – 15/06/2023 ] Francoforte/online

### 28th European Hematology Association (EHA) Congress - EHA2023

Abstract title for poster presentation: "P823 bone marrow-free sequencing of M protein genes in monoclonal gammopathies".

Link: [10.1097/01.HS9.0000970196.90305.1f](https://doi.org/10.1097/01.HS9.0000970196.90305.1f)

## PUBLICATIONS

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[2025]

### "Effects of Selective $\alpha$ 7 Nicotinic Acetylcholine Receptor Stimulation in Oligodendrocytes: Putative Implication in Neuroinflammation"

Authors: • C. Guerriero, G. Puliatti, T. Di Marino, G. Scanavino, C. Matera, M. De Amici, C. Dallanoce, AM. Tata. | Journal Name: Cells

Link: <https://doi.org/10.3390/cells14130948>

[2023]

### "Interaction between $\beta$ -Arrestin1 and M2 muscarinic receptors in Glioblastoma Cancer Stem Cells: implication in cell proliferation and survival"

Authors: • C. Guerriero, G. Scanavino, I. Masi, G. Lupo, M. Matejcek, L. Rosanò, A.M. Tata. | Journal Name: European J. of Histochemistry

Link: <https://doi.org/10.4081/ejh.2023.3836>

[2022]

### "Bone Marrow-Free Sequencing of M Protein Genes in Monoclonal Gammopathies"

Authors: • Nevone A., Mazzini G., Milani P., Mangiacavalli S., Melati A., Scanavino G., Girelli M., Caminito S., Basset M., Cartia CS., Benvenuti P., Nanci M., Bellofiore C., Foli A., Merlini G., Arcaini L., Palladini G., Nuvolone M. | Journal Name: Blood

Link: <https://doi.org/10.1182/blood-2022-168615>

Autorizzo la pubblicazione del mio curriculum vitae e il trattamento dei dati personali in esso contenuti in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16