

# ALESSIO TAVIANI

## BIOTECHNOLOGIST

### CONTACT

+39 3703294791

alessio.taviani24@gmail.com  
alessio.taviani@opbg.net  
www.linkedin.com/in/alessio-taviani-4

56025, Pontedera (Pi), Italy

### EDUCATION

**Research Fellowship at IRCCS Ospedale Pediatrico Bambino Gesù (Roma)**  
| Mar 2024 - Present  
Immune regeneration and experimental Hematology

**Master's degree in Medical Biotechnologies**  
University of Siena, Siena | Oct 2021 - Dec 2023  
Degree course taught in English 110/110 cum laude

**Bachelor's degree in Biotechnologies**  
University of Pisa, Pisa | Sept 2018 - Sept 2021  
110/110 cum laude

**High school diploma**  
Liceo Scientifico - curriculum Scienze Applicate ITI  
G. Marconi, Pontedera | 2013-2018  
100/100

### TECHNICAL EXPERTISE

#### Cellular biology

Eukaryotic and bacterial cell cultures

#### Biochemistry

Spectrophotometry, HPLC, Protein quantification

#### Molecular biology

Cell transfection, cell infection, bacterial transformation, DNA/RNA extraction, Rt-PCR techniques, Cytofluorimetry

#### Analytical techniques

DNA electrophoresis, fluorescence microscope, FISH, Giemsa stain, Western Blot

#### Bioinformatics

Kaplan-Meier Plotter, NCBI, Genikon, Primer3, USCS, MedCalc

### LANGUAGES

Italian: Mother tongue

English: B2 CLA Certificate UNISI 2021  
C1 Ongoing

### COMPUTER SKILLS

Excellent knowledge of Office package.  
Genikon software, MedCalc, GraphPad Prism,  
Python language, FlowJo software.

### PROFILE

As a Master's Degree graduate in Medical Biotechnology, I am deeply attracted to learning and curiosity about the field.

My academic journey has allowed me to hone my technical skills, while also improving my ability to work within diverse teams.

I thrive in team environments, where I can share ideas, learn from others, and collectively face challenges.

### PROFESSIONAL EXPERIENCE

Department of Onco-Hematology and Cell and Gene Therapy, IRCCS IRCCS Ospedale Pediatrico Bambino Gesù, **Research Fellowship**, Roma.

03/2024 – Present Immune regeneration and experimental Hematology

- Jurkat and ANV Cell Cultures
- Blood processing for PBMC isolation
- Magnetic Beads enrichment
- FACS Panel Design
- FlowJo Analysis
- DNA/RNA Extraction
- Rt-PCR

Department of Haematology, AOUS Policlinico Le Scotte **Internship in Cytogenetics (Haematology)** University of Siena, 03/2023 – 11/2023 Cyclin D1 overexpression and its correlation with treatment and survival of t(11;14) Multiple Myeloma patients.

- Liquid culture of blood cells
- Culture of white blood cells
- Separation/Isolation of CD138+ clonal plasma cell
- Nucleic acid extraction FISH analysis with Genikon software
- Karyotype analysis with Genikon software
- Immunophenotypic evaluation of bcl2

Department of Biochemistry, **Internship in Biochemistry** University of Pisa, 02/2021 – 06/2021 Characterization of the inhibitory activity of synthetic molecules against the enzyme AKR1B1.

- Production of human recombinant AKR1B1 enzyme using transformation with recombinant DNA technology
- Purification of human recombinant AKR1B1 enzyme through column chromatography
- Spectrophotometric assay of enzymatic activity.

### SEMINARS AND CONFERENCES

28/09/2023 – 28/09/2023 – Bologna

**European CART Rally 2023-Don't get lost in translation:** Cart-T therapy studies and results

03/06/2022 – 03/06/2022 – Online

iVoM2 Seminars: **Personalised phage therapy**

### HOBBIES

Swimming 2005-2019  
Gym

### CERTIFICATIONS

Training Course in Health and Safety in the Workplace Scientific Area - High Risk 2022

