

PIETRO COCCO

UNIBO PhD student

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📍 Bologna, Italy



WORK EXPERIENCE

PhD Scholarship

Molecular Biotechnology Lab, Pharmacy and Biotechnology Department, University of Bologna (FABIT)

📅 Nov 2025 – ongoing 📍 Bologna, Emilia-Romagna, Italy

- Molecular Biotechnology of Phages for the Development of Theranostic Vector Platforms
- Quantitative analysis using flow cytometry and qualitative analysis using confocal microscopy

Research Fellowship

Molecular Biotechnology Lab, Pharmacy and Biotechnology Department, University of Bologna (FABIT)

📅 May 2024 – Nov 2025 📍 Bologna, Emilia-Romagna, Italy

- Phage-display based nanotechnology for bone tumors targeting and therapy
- M13 bacteriophage propagation and purification
- Maintenance and manipulation of osteosarcoma cell lines.

Curricular Internship

Molecular Biotechnology Lab, Pharmacy and Biotechnology Department, University of Bologna (FABIT)

📅 March 2023 – March 2024 📍 Bologna, Emilia-Romagna, Italy

- Main molecular biology techniques (PCR, SDS-PAGE, Western Blot, Agarose Gel Electrophoresis)
- Recombinant proteins expression and purification (Ni-NTA Magnetic Agarose Beads, AKTA pure™ chromatography system)

Voluntary Internship

Istituto Romagnolo per lo Studio dei Tumori “Dino Amadori”

📅 Sept 2022 – Sept 2022 📍 Meldola, Emilia-Romagna, Italy

- Nucleic acids extraction from cancer tissue

B.Sc Curricular Internship

Pharmacy and Biotechnology Department, University of Bologna (FABIT)

📅 March 2021 – July 2021 📍 Bologna, Italy

- DNA quantification (NanoDrop) and statistical analysis (RStudio)

EDUCATION

M.Sc in Molecular and Cell Biology

University of Bologna

📅 2021-2023 📍 Bologna, Emilia-Romagna, Italy

- *Final Grade: 110/110 cum laude*
- *Thesis: “Sortase-mediated capsid functionalization of the M13 bacteriophage”*

B.Sc in Biotechnology

University of Bologna

📅 2018-2021 📍 Bologna, Emilia-Romagna, Italy

- Final grade: 110/110

CONFERENCES

CIBIOTECH 2026 – Frontiers in Italian Biotechnology

University of Verona

📅 June 2026 📍 Verona, Italy

- Speed talk: “Engineering M13 bacteriophage as a modular plug-and-display nanovector for theranostic application”
- Selected for free registration

TEACHING

• Tutor

Lab course “Non-coding RNA in Eukaryotes”, M.Sc in Molecular and Cell Biology, FaBiT, University of Bologna (May 2026)

• B.Sc thesis tutor

Biotechnology, FaBiT, University of Bologna (Dec 2025 – Jun 2026)

• iGEM 2026 Advisor

University of Bologna team “Phaged-it”

LANGUAGES

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| • ITALIAN | NATIVE |
| • ENGLISH | ADVANCED |
| • SPANISH | INTERMEDIATE |