



# Elisa D'Aliesio

## WORK EXPERIENCE

[ 21/10/2021 – 28/03/2023 ]

### Trainee student

*Department of Public Health and Infectious Diseases ,University La Sapienza*

**City:** Rome | **Country:** Italy

Laboratory activities:

- Bacterial culture;
- E-test method;
- Antibiotic sensitivity test with the macrodilution method in broth and evaluation of the MIC and MBC;
- Agar-dilution method.
- ELISA method;
- Isolation and characterization of phages.

[ 01/11/2023 – Current ]

### Phd student

*Department of Public Health and Infectious Diseases ,University La Sapienza*

**City:** Rome | **Country:** Italy

PhD student of the XXXIX cycle in “Infectious Diseases, Microbiology and Public Health” section of “Infectious Diseases”

- Laboratory activities**
- Laboratory Management**
- Research Collaboration:**
- Data Analysis and Interpretation:**
- Manuscript Preparation and Publication**
- Conference Presentations**

[ 02/10/2024 – 09/04/2025 ]

### Visiting Phd student

*Laboratory of Gene Technology, Department of Biosystems*

**Address:** Kasteelpark Arenberg 21, Box 2462, 3001, Leuven, Belgium

#### Research Collaboration

**Data Analysis and Interpretation:** Analyzing experimental data and interpreting results to draw meaningful conclusions.

**Conference Presentations:** Presenting research findings at national and international scientific conferences.

#### Workshop and Research activities

**Laboratory activities:**

**-Isolation and characterization of bacteriophages from enviromental samples:** Enrichment, Production, and Purification methods, Double layer agar and Spot test titration methods, evaluation of EOP (Efficiency of Plating)

**-Clariostar Assay Execution:** Conducting Clariostar assays to evaluate bacterial growth dynamics in the presence of phages.

**-Phage DNA extraction**

**-Phage DNA Sequencing:** Conducting phage DNA sequencing to identify and analyze bacteriophage genomes.

## EDUCATION AND TRAINING

[ 15/09/2013 – 06/07/2016 ]

**High school diploma**

*Liceo classico San Benedetto*

**City:** Cassino | **Country:** Italy |

[ 10/10/2016 – 16/07/2020 ]

**Bachelor's Degree**

*University of Tor Vergata* | <https://web.uniroma2.it/>

**City:** Rome | **Country:** Italy | **Field(s) of study:** Biological Sciences

[ 01/11/2020 – 23/03/2023 ]

**Master's Degree**

*University La Sapienza* | <https://www.uniroma1.it/it>

**City:** Rome | **Country:** Italy | **Field(s) of study:** Medical Biotechnology | **Final grade:** 110/110 Cum Laude | **Type of credits:** CFU | **Number of credits:** 120 | **Thesis:** In vitro evaluation of fosfomycin activity against ceftazidime/avibactam-resistant carbapenemase-producing *Klebsiella pneumoniae*

Laboratory activities:

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- E-test method;
- Antibiotic sensitivity test with the macrodilution method in broth and evaluation of the MIC and MBC;
- Agar-dilution method.
- ELISA method;
- Isolation and characterization of phages.

## LANGUAGE SKILLS

**Mother tongue(s):** Italian

**Other language(s):**

**English**

**LISTENING** B2 **READING** B2 **WRITING** B2

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

**My Digital Skills**

Microsoft Office | Biorender

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".