

Chiara Napoli



Contact

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Salerno, Italia

About Me

PhD student in Bioinformatics and Computational Biology with a background in biological sciences and experience in NGS data analysis, scRNA-seq, and bioinformatics pipeline optimization. Passionate about leveraging computational biology to advance precision medicine and address biological and environmental challenges through innovative research.

Skills

- Bioinformatics Analysis
- Python Programming
- Data Visualization
- Statistical Analysis
- Pipeline Development
- Team Collaboration

Conference or Workshop attendance

BBCC in Naples – December 2023
R frameworks for single cell data analysis workshop.

CIBB 2024 University of Sannio -
September 2024

Education

- Master's Degree in Biology (Bioinformatics curriculum)
Università degli studi di Salerno 2022-2024
Grade: 110/110 cum laude and academic distinction
Thesis: Application of a Single-Cell RNA Sequencing Analysis Pipeline in Breast Cancer: Focus on Pathways in the Her2-positive Subtype.
- Bachelor's Degree in Biological Sciences
Università degli studi di Salerno 2019 - 2022
Grade: 107/110
Thesis: Molecular mechanisms of metal-induced toxicity: focus on hepatotoxicity.

Work and Professional Experience

- PhD Student
Sapienza Università di Roma November 2024 – Present
PhD in Bioinformatics and Computational Biology (XL Cycle)
- Internship: NeuroneLab
Università degli studi di Salerno November 2023- 2024
Analyzed single-cell RNA sequencing data using Python. Focused on pipeline optimization and data processing.
- Internship: NGS facility MerLab
Università Federico II di Napoli March 2024- July 2024
Performed NGS techniques (methylation analysis, RNA-seq, scRNA-seq) and gained experience in bioinformatics for genomics and transcriptomics.
- Internship: Clinica Salus
Battipaglia (SA), Italia June 2022- August 2022
Performed microbiological and hematological analyses. Managed biological samples and supported laboratory tests.

Languages:

- Italian: Native
- English: B2 (Upper Intermediate)