



Davide Pietrafesa

Bioinformatician | PhD Student

- 02.06.1998, Potenza
- Italian

Contact

- Lab of Structural Bioinformatics
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Skills

- Programming (C, Python, Ruby, bash)
- Molecular Dynamics Simulations
- Molecular Modeling
- Computational Genomics
- Chemo-informatics
- Latex
- Social Media Management
- Italian (Native)
- English (C1)

Work experience

Social Media Manager

2023/07 - today

Bioinformatics MSc - University of Rome "Tor Vergata"

Programming and creation of social media contents for the Master's degree program in Bioinformatics of University of Rome "Tor Vergata"

PhD student in Materials for Health, Environment and Energy

2023/04 - today

Department of Biology (Supervisor Professor Mattia Falconi)
University of Rome "Tor Vergata"

My work is focused on simulations of macromolecular complexes with nucleic acids; in the specific, I'm working on the HuR protein.

Education

Bioinformatics MSc.

2020/10 - 2022/07

110/110 cum laude - University of Rome "Tor Vergata"

Thesis in Structural Bioinformatics with title "Effect of a Parkinson's-associated mutation (*E326K*) on the structure, stability, and dimerization of acid β -Glucosidase protein: a high-performance classical molecular dynamics study."

Biological Sciences BSc.

2017/09 - 2020/09

110/110 cum laude - University of Salerno

Thesis in Pharmaceutical Chemistry with title "The role of Tetrabenazine and its derivatives in the pharmacological treatment of Huntington's chorea."

Courses

- High Performance Bioinformatics | CINECA - 2022/12
- Online Summer School on Parallel Computing | CINECA - 2022/07
- Google IT Support Certificate - Academy Rapido and Google | 2021/10-2021/12
- Spring 2021 Virtual Applied Data Science Training Institute Program (VAD-STI) - Howard University | 2021/04-2021/05

Conferences

- EMBL in Italy 2023: Chance and necessity-the indispensable role of curiosity-driven life sciences
EMBL and University of Turin | 2023/05/18-2023/05/19
- Biophysic@Rome
CNR Rome | 2023/04/19-2023/04/20

Rome, 11th July 2023

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