Riccardo Fusco

Computational Chemist

I am an **enthusiastic young scientist**, with a tendency toward proactivity and problem-solving with that little bit of ingenuity that is essential for approaching problems from unexplored viewpoints. I also deeply believe that **evolution rises through team.**

Experience

09/2022 – present
Internship in Computational Chemistry, C. Fattorusso Lab, University of Naples Federico II, Italy
Drug Design through computational methods such Monte-Carlo sampling-based docking, Simulated Annealing, MD simulations and QM analysis through Gaussian. Structural analysis of miRNA through high sampling methods such as Replica Exchange Molecular Dynamic.

03/2022 – 09/2022 (7 months)
Thesis Research in Drug Design, Dömlings Lab, University of Groningen, Netherlands
Drug Design of Small Non-Covalent Inhibitors using MCR chemistry and computational methods such as Docking, Virtual Screening and Molecular Dynamics Simulations

Courses

2022 Complete Python Bootcamp – Udemy

Education

2017 – present
MSc Pharmaceutical Chemistry and Technology
University of Naples Federico II

Skills

- Drug Design
- Molecular Dynamic Simulations
- Docking
- GROMACS
- AutoDock
- Discovery Studio
- Python
- Bash Linux

Contact

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