

ROBERTA ROCCA

RTdB

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Catanzaro, Italia

EDUCATION:

Bachelor of

Pharmacy:

(BPharm)

Università «Magna
Graecia» di Catanzaro
12 November 2012

PhD in Pharmaceuticals

Sciences :

Università «Magna
Graecia» di Catanzaro
30 Marzo 2016

Academic Experience:

- International Visiting PhD
Università della Svizzera
italiana (USI), Lugano,
Switzerland.
April 2014- September
2014

SKILLS:

Skilled in molecular
modeling, docking, virtual
screening, and ADMET
prediction.

Proficient in free energy
calculations, MD
simulations, and
cheminformatics using
tools like Schrodinger,
Autodock, and GROMACS.

EDUCATION:

As a researcher in Medicinal Chemistry, I focus on enhancing scientific expertise and contributing to the development of new therapeutic agents. With a passion for advancing drug discovery through innovative research and collaboration, I apply computational chemistry to optimize drug design and treatment strategies.

My goal is to improve therapeutic effectiveness through advanced simulations, molecular modeling, and data-driven approaches, driving innovation in the field. By combining rigorous experimentation with continuous learning, I aim to improve healthcare and enhance patients' quality of life.

EXPERIENCE:

Post Doc

University «Magna Graecia» of Catanzaro, Italy
January 2018 - June 2023

- Conducted postdoctoral research focused on the interaction between long non-coding RNAs (lncRNAs) and small molecules using advanced computational techniques.
- Collaborated with interdisciplinary teams, integrating bioinformatics and cheminformatics tools to analyze lncRNA structural motifs and predict ligand binding sites.

Researcher

University «Magna Graecia» of Catanzaro, Italy
October 2023 - Until now

- Conducted research on the interaction between small molecules and various biological targets implicated in key physiopathological conditions, utilizing advanced computational techniques.

Assistant Professor

Department of Health Sciences, University «Magna Graecia» of
Catanzaro, Italy
April 2019 - Until now

- Delivered engaging lectures and practical sessions in Medicinal Analysis I, focusing on analytical techniques for assessing the quality and efficacy of pharmaceutical compounds.
- Developed comprehensive course materials and assessments that enhanced students' understanding of medicinal chemistry and its applications in drug development.