

Maria Grazia Ragni

Personal

Name **Maria Grazia Ragni**

Education and Qualifications

- Master's Degree in Pharmaceutical Biotechnology with Honors** Sep 2021 - Feb 2024
Department of Pharmaceutical Sciences, University of Perugia, Perugia
Thesis: COMPUTATIONAL INSIGHTS INTO FOLDING INTERFERING DEGRADERS (FIDs) OF CELLULAR PRION PROTEIN
Final grade: 110/110 Cum Laude
- Bachelor's Degree in Biotechnology** Oct 2016 - Apr 2021
Department of Chemistry, Biology and Biotechnology, University of Perugia
Thesis: NEW ADVANCED STRATEGIES FOR THE TREATMENT OF TUMORS CHARACTERIZED BY MUTATIONS IN THE RAS GENE
Final grade: 105/110
- High school leaving qualification in scientific studies** Sep 2011 - Jul 2016
Istituto di Istruzione Superiore Giordano Bruno, Perugia
Final grade: 96/100

Work experience

Internship at I2Dlab - Department of Pharmaceutical Sciences, University of Perugia Oct 2023 - Feb 2024
Via Fabretti n. 48 06123, Perugia, Italy

Main activities:

- analyzing and interpreting 3D molecular structures
- applying computational methodologies (both structure-based and ligand-based) for discovering new potential drugs (computer-aided drug discovery, CADD)
- utilizing CADD software like SCHROEDINGER's Small Molecule Drug Discovery Suite, AutoDock, Molecular Discovery Softwares, BioSolveIT tools, DataWarrior, LigandScout and Volsurf
- employing molecular dynamics software such as Desmond
- using pipeline programs and data analysis tools like KNIME
- researching and analyzing molecules in databases like PubMed, PubChem and SciFinder