Dr. rer. nat. Andrea Venturi



Postdoc - Lipid Metabolism: Analysis and Integration – University of Technology Dresden

Role in LiSyM-Cancer

- Spatial lipidomics analysis within the DEEP-HCC project
- Supervised by Prof. Dr. Maria Fedorova

Expertise

- Lipidomics and metabolomics LC-MS analysis
- Spatial lipidomics and metabolomics MALDI-MS analysis

Degrees

- PhD (Dr. rer. nat)
  University of Perugia, Italy
  Dealing with partitioning and solubility: From environmentally-friendly solvents for lipid extraction to kinetic solubility and $LogD_{7,4}$ of PROTACs
- Master thesis
  University of Perugia, Italy
  In silico and in vitro studies of the physicochemical properties of PROTACs: chemoinformatic analysis of databases and experimental determination of $LogD_{7,4}$ values
- Bachelor thesis
  University of Perugia, Italy
  Design of small molecules for selective protein degradation: chemometric analysis and synthetic strategies for 'PROteolysis TArgeting Chimera' (PROTAC) compounds

Publications

2025-10-04	Towards sustainable lipidomics: computational screening and experimental validation of chloroform-free alternatives for lipid extraction *Analytical and Bioanalytical Chemistry*
2024-09-13	Between Theory and Practice: Computational/Experimental Integrated Approaches to Understand the Solubility and Lipophilicity of PROTACs *Journal of Medicinal Chemistry*