Giovanni Minervini Ph.D

Professional Experience

- Associate Professor, Department of Biomedical Sciences, University of Padua, Italy (December 2024 – Present)
- Assistant Professor, Department of Biomedical Sciences, University of Padua, Italy (March 2019 – November 2024)

Research Interests
Dr. Minervini specializes in structural bioinformatics, focusing on cancer research, genetics, and general biology. His expertise includes molecular dynamics simulations, bioinformatics, and the study of protein structures and functions.

Selected Publications
1. Del Conte A, et al. RING 4.0: faster residue interaction networks with novel interaction types across over 35,000 different chemical structures. Nucleic Acids Res. 2024 Jul 5;52(W1):W306-W312. doi: 10.1093/nar/gkae337.
2. Inciardi I, et al. Catechol-induced covalent modifications modulate the aggregation tendency of α-synuclein: An in-solution and in-silico study. Biofactors. 2025 Jan-Feb;51(1):e2086. doi: 10.1002/biof.2086
3. Bellanda M, et al. A PDZ scaffolding/CaM-mediated pathway in Cryptochrome signaling. Protein Sci. 2024 Mar;33(3):e4914. doi: 10.1002/pro.4914.
4. Del Conte A, et al. RING-PyMOL: residue interaction networks of structural ensembles and molecular dynamics. Bioinformatics. 2023 May 4;39(5):btad260. doi: 10.1093/bioinformatics/btad260.
5. Camagni GF, et al. Structural Characterization of Hypoxia Inducible Factor α-Prolyl Hydroxylase Domain 2 Interaction through MD Simulations. Int J Mol Sci. 2023 Mar 1;24(5):4710. doi: 10.3390/ijms24054710.

Bibliometric Indicators
International peer-reviewed journal papers: **80**
Total Citations: **3647** (Google Scholar); **2734** (Scopus)
H-index: **29** (Google Scholar); **27** (Scopus)
i10-index: **53** (Google Scholar)
Note: Bibliometric data is based on available information as of February 2025.

Invitations to review scientific papers
Reviewer for Amino Acids, PLOS Comp. Biology, Cancers, Genes, Current Proteomics, Open biology.