



TUNNELING GROUP



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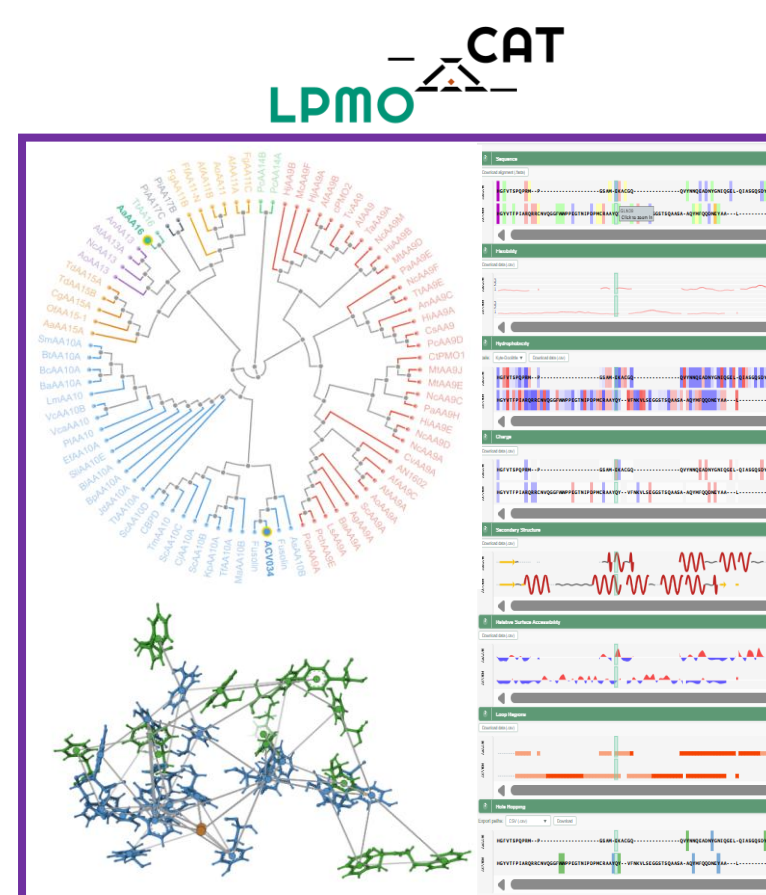
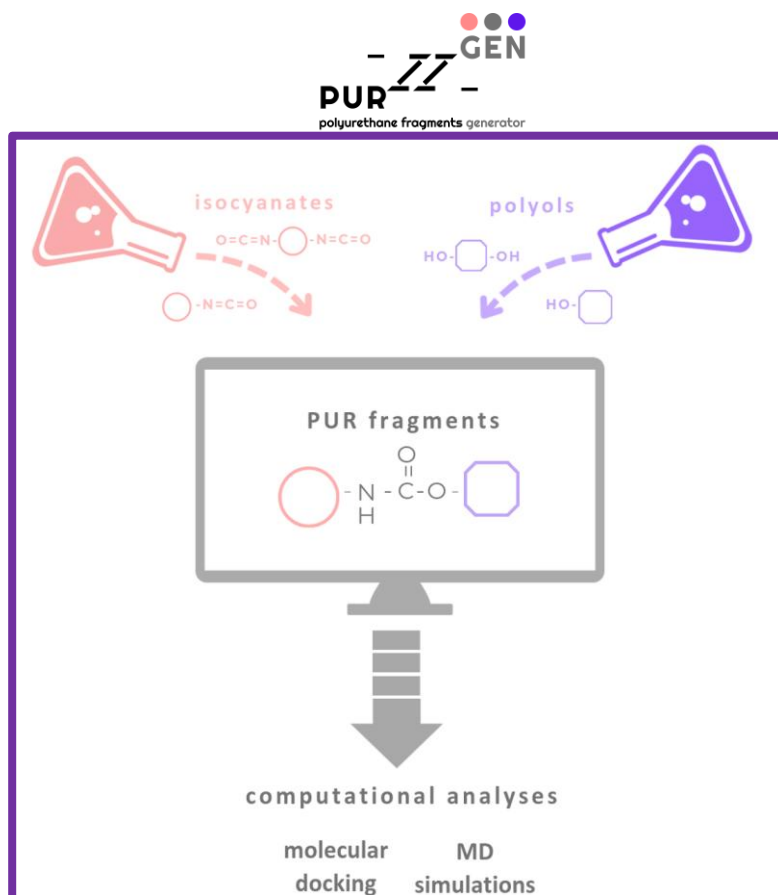
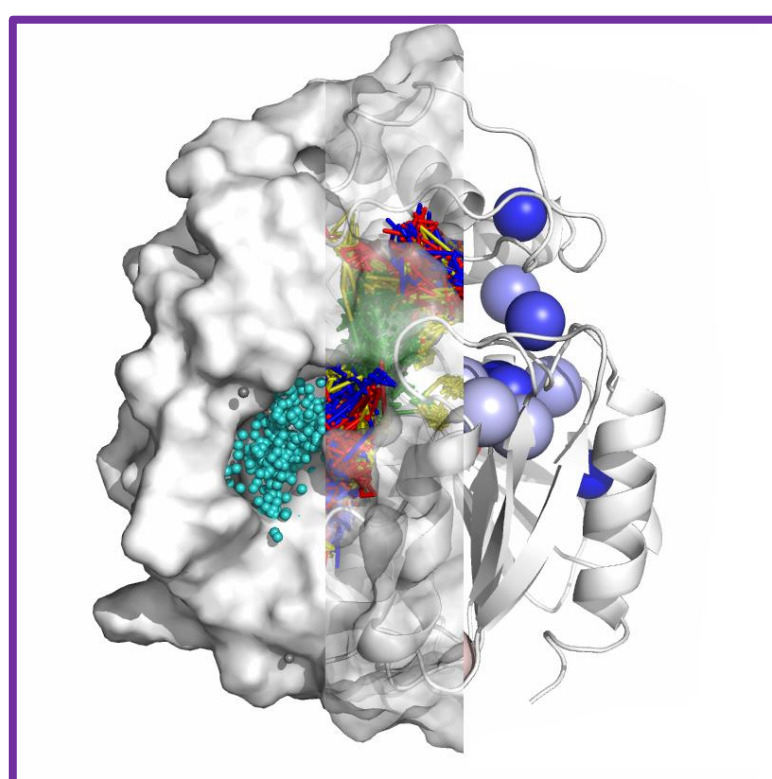
Tunneling Group, *Glyco Lab, #alumni Website: tunnelinggroup.pl / a.gora@tunnelinggroup.pl



Independent research group since 2014, focusing on discovering and implementing nature-based solutions in practical applications, ranging from drug discovery to enzyme engineering and hybrid catalyst design to enzymatic polymer degradation. To achieve our goals, we are using complementary computational and experimental methods and developing our own software and experimental workflows.

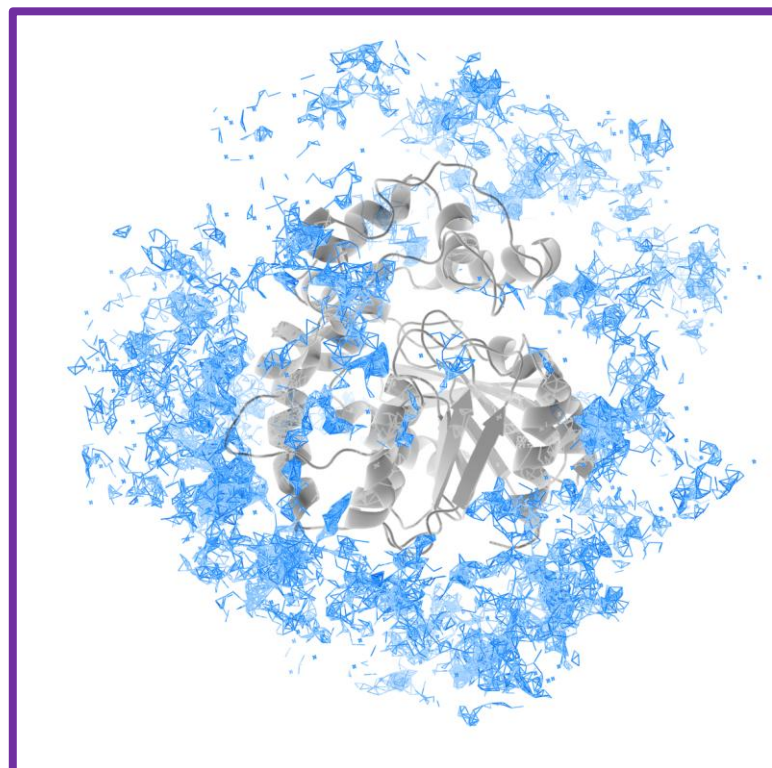
Software:

AQUA DUCT

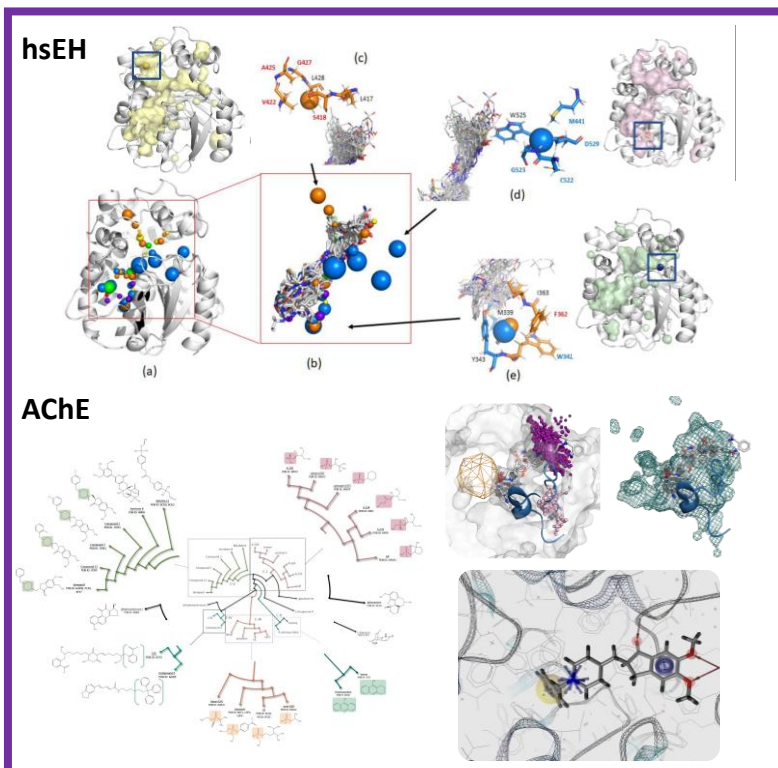


Research:

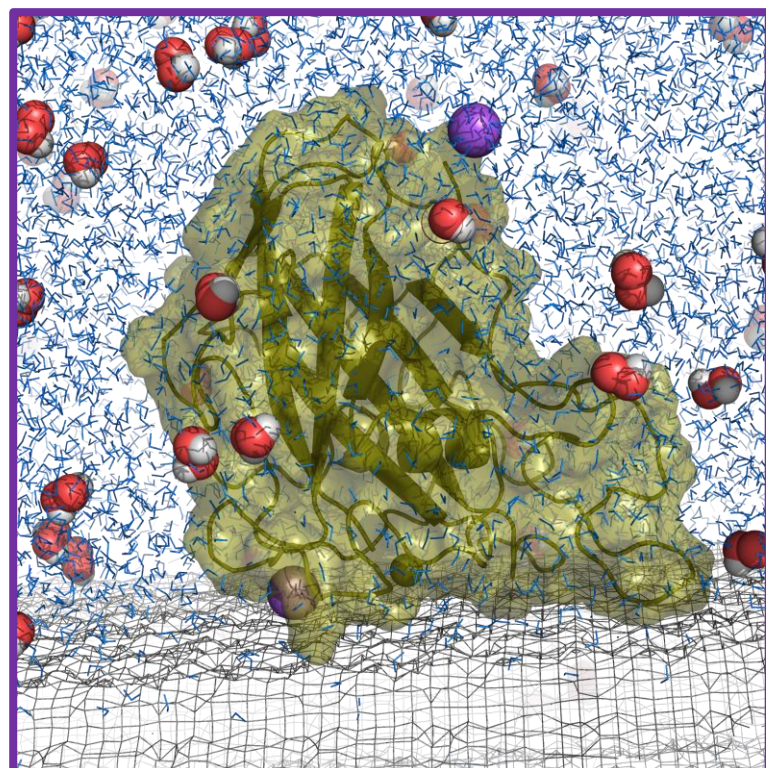
Water tracking



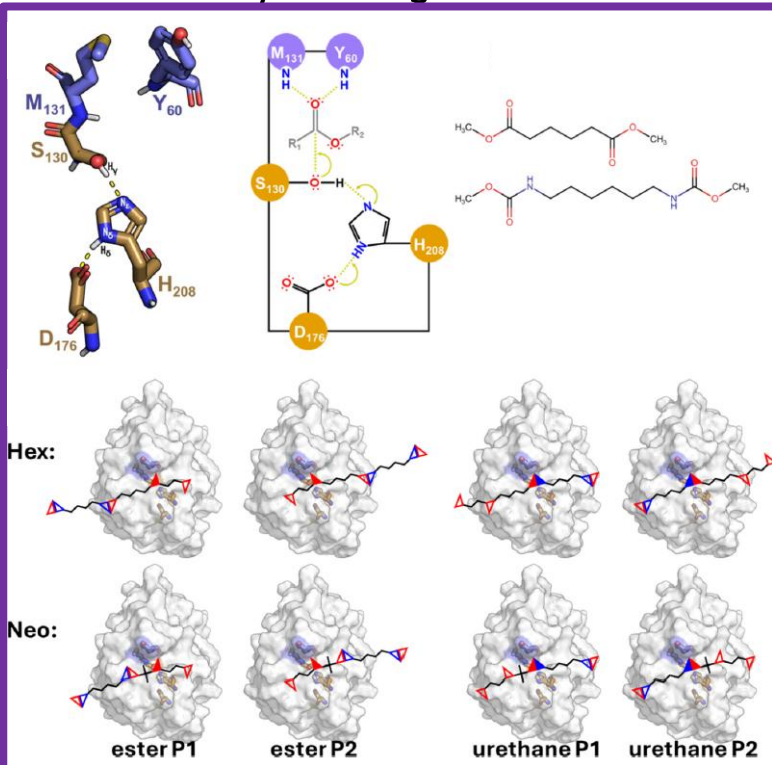
Drug discovery



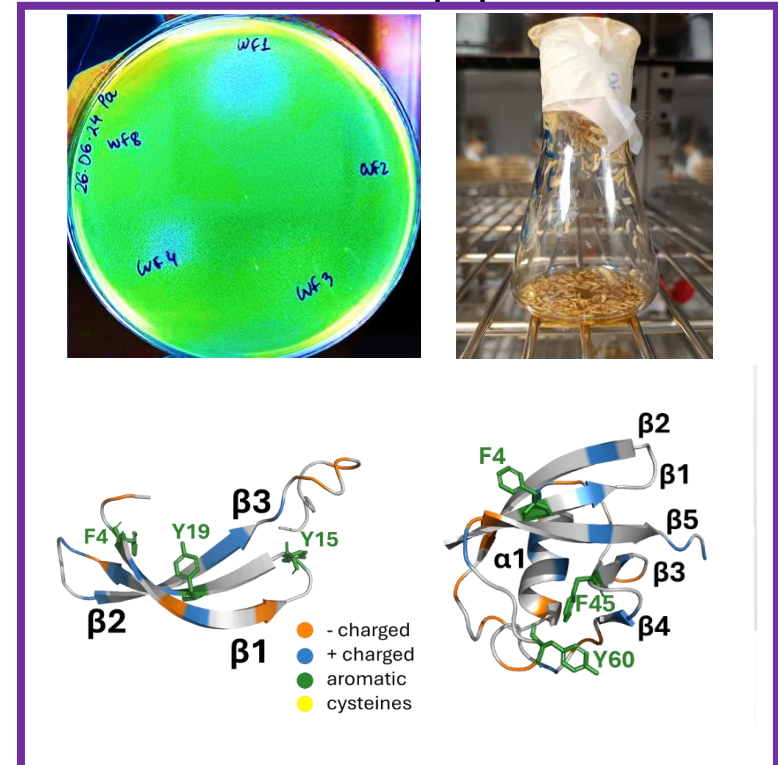
Protein engineering



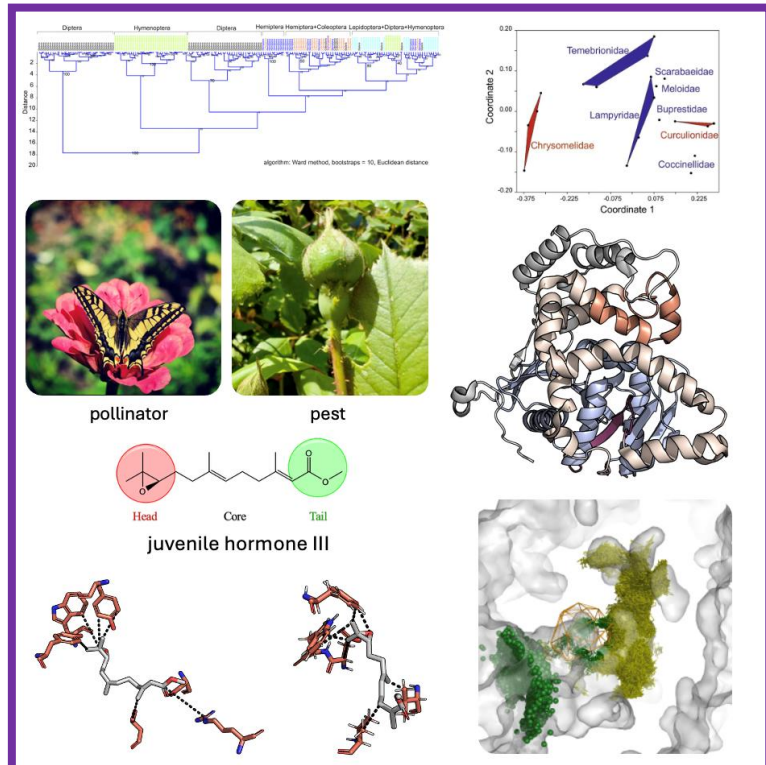
Polymer degradation



Antimicrobial peptides



Pest control



Selected references:

Agata Raczyńska, *International Journal of Biological Macromolecules*, **2026**, 10.1016/j.ijbiomac.2026.151616; Izabela Kubasik, *European Journal of Entomology*, **2025**, 10.14411/eje.2025.044; Katarzyna Szleper, *Computational and Structural Biotechnology Journal*, **2025**, 10.1016/j.csbj.2024.12.004; Agata Raczyńska, *Biotechnology Advances*, **2024**, 10.1016/j.biotechadv.2024.108439; Weronika Bagrowska, *Drug Discovery Today*, **2024**, 10.1016/j.drudis.2024.104217; Tomasz Magdziarz, *Bioinformatics*, **2020**, 10.1093/bioinformatics/btz946

Acknowledge

