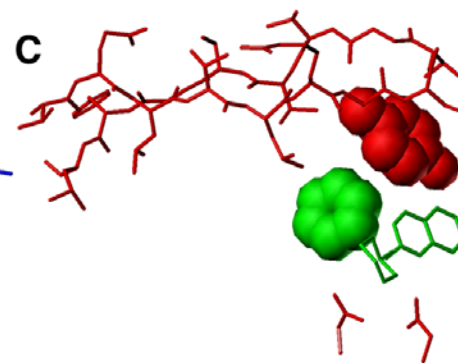
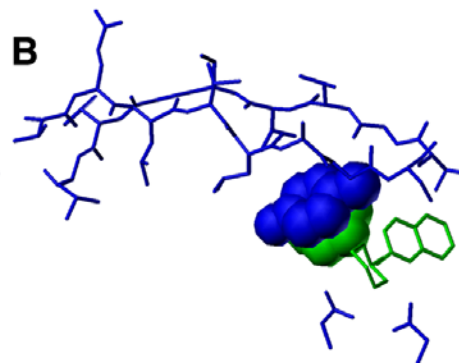
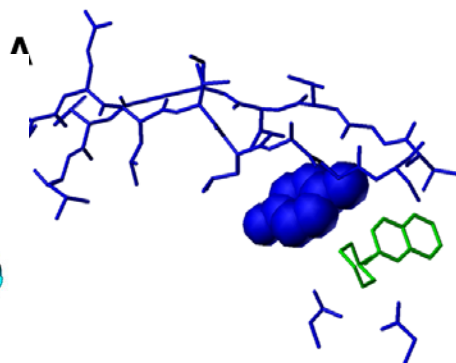


Fabry Research Group

Design and Synthesis of Novel Enzyme Inhibitors

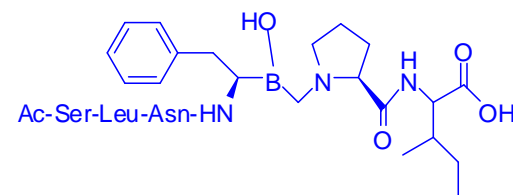
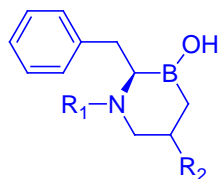
My research group is interested in addressing biologically and medically important questions. The focal point of our research is the design and synthesis of small molecule inhibitor scaffolds against therapeutically important enzymes. Our goal is to find orally active inhibitors that could become lead compounds for further drug discovery. During this process, we are developing new and improving already known synthetic chemistry methodologies. To achieve our goals we use all the modern tools of medicinal chemistry and organic synthesis.

Organic Synthesis



Medicinal Chemistry

Computer Modeling

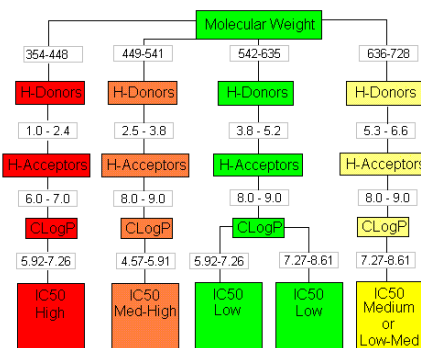
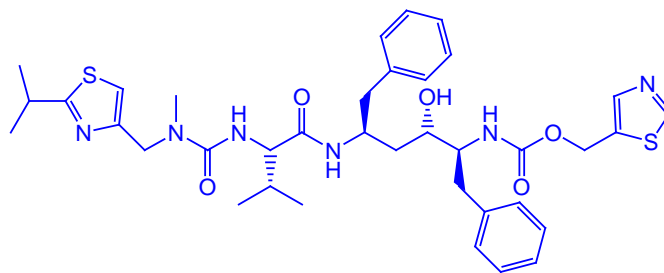
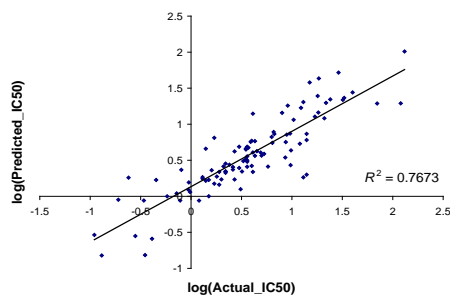


Pharmacology

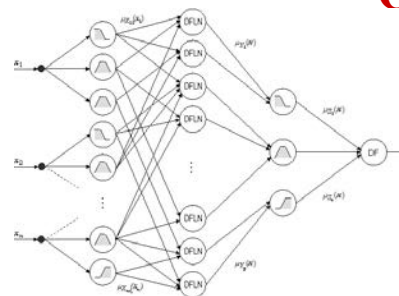
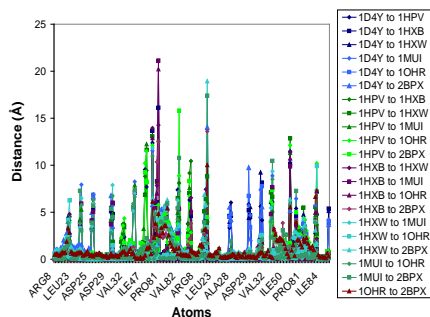
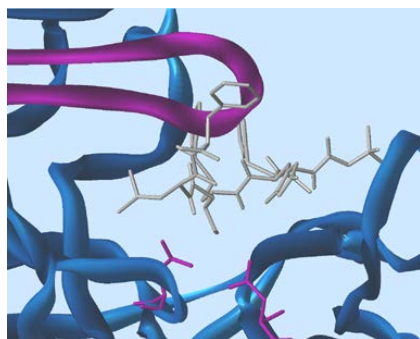
Fabry Research Group

Design and Synthesis of Novel Enzyme Inhibitors

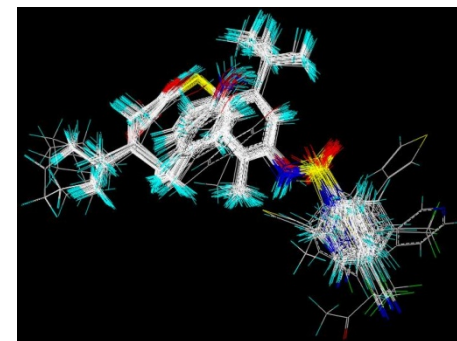
Also, as a joint research effort with a computer science group we develop and extensively test new molecular modeling and computational chemistry techniques. This endeavor centers on molecular modeling, as well as computational intelligence techniques, which include neural networks, fuzzy systems, evolutionary computation, and biology inspired computational models.



Pharmacology



Computer Modeling



Medicinal Chemistry

Organic synthesis