Master thesis project: Synthesis of therapeutic knottins!

What?

Synthesis of knottins and enzyme inhibitory tests

Who?

Master student with experience in organic chemistry

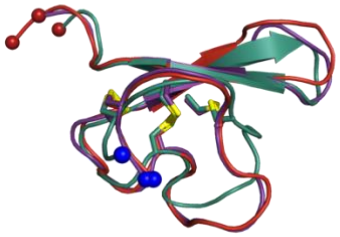
Where?

EnzyTag (Nuth, NL) and Forschungs-zentrum Jülich

When?

Summer semester 2024 (e.g. start on April 15)

What are knottins?



- ⊕ Knottins are small proteins containing three disulfide bonds knotted in a specific manner
- ⊕ Due to their exceptional stability, knottins are considered promising therapeutics for a number of diseases

Why we need you?

- ⊕ We are a computational group specialized in biomolecular simulation methods
- ⊕ You support us in transferring computational insights to the wet lab through the synthesis and analysis of knottins previously examined *in silico*

What can you expect?

- ⊕ Learn the techniques for synthesizing knottins in the lab of our collaborators at EnzyTag, located not far from the German-Dutch border in Nuth
- ⊕ Evaluate the inhibitory activity of your self-synthesized knottins against different targets at the Forschungszentrum Jülich
- ⊕ Sufficient time to write your thesis with the additional opportunity to learn some computer-aided methods, if desired

What should you bring?

- ⊕ A Bachelor's degree in (Bio)Chemistry with focus on organic chemistry
- ⊕ Versatile interests and an open mind as you will work in diverse disciplines

Interested? Contact us (in German or English)!

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Visit our group website!