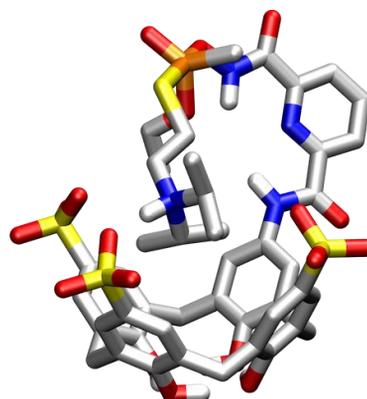


**“Supramolecular Approaches to the  
Detoxification of Nerve Agents”****Prof. Dr. Stefan Kubik***Rheinland-Pfälzische Technische Universität,  
Fachbereich Chemie – Organische Chemie, Kaiserslautern*

Nerve agents are highly toxic organophosphonates originally developed for chemical warfare. While patients exposed to these compounds can often be treated, the established strategies have drawbacks and alternatives are therefore being sought. One option is the use of scavengers that rapidly detoxify neurotoxic organophosphates under physiological conditions. In this context, enzymes are relevant, but also synthetic receptors that must be tailored to the nature of the nerve agent and should contain a nucleophilic group to induce detoxification.

My group is working on the development of such scavengers and in recent years has successfully developed several compounds that detoxify nerve agents with unprecedented activity. In my talk, I will give an overview of our work and present recent attempts to develop scavengers for nerve agents of the Novichok family, compounds that were used in the attempted assassinations of Sergei Skripal and Alexei Navalny.



Der Vortrag findet am **Di, 05.12.2023, 17:15 Uhr s.t.** im CellNanOs statt:  
**Raum 38/201**, Barbarastr. 11, 49076 Osnabrück

Besucher sind herzlich willkommen!

**Der Ortsverbandsvorsitzende:**

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