

Fully funded PhD position in Organic Chemistry & Chemical Biology

4-years, fixed-term, 100%, Olomouc (Czech Republic)

Research project - Bioorthogonal synthesis bioactive compounds via photoredox catalysis

Visible light photoredox catalysis is a rapidly developing area of synthetic organic chemistry and chemical biology. This project aims to develop a general strategy for the bioorthogonal release of bioactive compounds via photoredox catalysis. Given the prevalence of aromatic C-H bonds in pharmaceuticals and biologically active compounds, the focus will be on developing strategies for the selective formation of these ubiquitous bonds. The developed technology will be used for targeted spatiotemporal release of anticancer drugs in close proximity to tumours.

About us

Our newly established group at the Department of Organic Chemistry, Faculty of Science, Palacky University in Olomouc focuses on the development of innovative chemical tools for use in chemical biology. Our goal is to develop methods with broad applications in biological and medical research. We are a highly interdisciplinary team that emphasizes collaboration and mutual support among members. For more information, please visit our website.



www.markoslab.com

About you

Ideal candidates have studied chemistry or biology (Master's degree) with experience in organic synthesis and are passionate, creative, independent, and socially competent young scientists.

Interested?

Send your application to tanas.markos@gmail.com by including your CV, motivation letter, and names of at least two references. **Deadline:** 31st of July of 2024.

The projects are funded by the Experientia Foundation