

**Karlsruhe Institute of Technology
Institute of Biological and Chemical Systems – Functional Molecular Systems
Department of Biofunctional Materials Systems**

Join our research group at KIT as a PhD student! The PhD project will focus on surface functionalization, surface wettability, and surface patterning with the goal to create advanced functional devices and sensors for the rapid and sensitive detection of pathogens (www.levkingroup.com). The project is a part of the EU Project - ECLIPSE (<https://eclipse-project.eu/>) that focuses on the development of portable devices with a level of sensitivity equal or higher than that of molecular PCR swabs, and with much faster results.



Join the dynamic and innovative research group of Biofunctional Materials Systems led by Prof. Levkin at Karlsruhe Institute of Technology (KIT), Germany and make a meaningful contribution to cutting-edge research.

We are **currently seeking** a highly motivated and talented students to join our team as a **PhD student**. The successful candidate should have a **background in organic chemistry or**

surface science, materials science, with a keen interest in sensors, diagnostics, surface coating and surface functionalization.

Your research will focus on the design, synthesis, and characterization of surface coatings and chemical surface modifications for electrodes to enable the rapid and sensitive detection and quantification of biomolecules using electrochemical luminescence (ECL). You will gain hands-on experience with a range of techniques, including electrochemical measurements, material synthesis and characterization, and surface analysis. The candidate will join an interdisciplinary international team of the ECLIPSE EU Project.



If you are passionate about research and eager to make an impact in the field of Biofunctional Materials and Surfaces, please send your CV and a cover letter highlighting your research experience and interests to pavel.levkin@kit.edu and janina.pech@kit.edu. Use "ECLIPSE" in the subject line of your email.