

Wissenschaftliche Hilfskraft (Hiwi)

Organic synthesis

Task

We are seeking a dedicated student assistant (Hiwi) to support our research team in the field of organic synthesis. Your primary responsibilities will include assisting in the planning, execution, and analysis of organic synthesis reactions of monomers for electropolymerisation. This entails preparing reaction setups, isolating and characterizing intermediates, and documenting procedural steps.

Requirements

The ideal candidate possesses a solid understanding of organic chemistry, including common synthesis methods and techniques. Practical experience with chromatographic and spectroscopic analytical methods (e.g., HPLC, NMR) is crucial, since the synthetic products are mainly isolated through column chromatography, and conducting detailed NMR analysis is needed for compound identification. Team collaboration, reliability, and attention to detail are essential qualities we value.

Working hours

The synthesis process requires two consecutive days of work (half a day and a full day). The purification and characterization processes can be performed according to the student's availability. The total amount of working hours per month is 35 hours.

Start date: 01.04.2024

Supervisor: Dr. Katharina Bleher