NATIONAL SCIENCE CENTRE
POLAND

Programmable Polymers Laboratory is a research group based at the Center for Advanced Technologies at Adam Mickiewicz University in Poznań.

Our ambition is to develop functional materials based on synthetic polymers by regulating the sequence of monomers.

PROGRAMMABLE POLYMERS LABORATORY

Pragrammable Polimers Laboratory invites applications for a position of

Post-doc position in the MimicLS project

Recent advances in polymer synthesis allow precise control of monomer sequences, akin to biological systems.

For practical applications, we need a sustainable, efficient approach. Sequence-defined macromolecules can potentially fold into specific 3D structures by selecting the right monomer combinations, similar to natural macromolecules. However, little is known about the folding of non-natural macromolecules and their assembly into complex supramolecular structures.

This project aims to explore sequence-regulated, hierarchical polymer self-assembly to create synthetic materials with the complexity and functionality of living matter.

More information about the research group: szwedalab.com.

We offer

- An atmosphere of respect and cooperation
- Supporting employees with disabilities
- Flexible working hours
- Funding for language learning
- Co-financing of training and courses
- Additional days off for education
- Life insurance
- Pension plan
- Savings and investment fund
- Preferential loans
- Additional social benefits
- Leisure-time funding
- Subsidizing children's vacations
- "13th" salary

Qualifications

- Fluent English,
- Documented experience in preparative organic synthesis
- Knowledge of polymer chemistry is an advantage
- Hands-on experience with chromatographic methods (GC, HPLC, Flash)
- Knowledge of basic spectroscopic methods for identifying organic compounds (NMR, FTIR, CD, UV-Vis, Fluorescence)
- Ability to design and perform syntheses of organic compounds
- Ability to prepare scientific publications and present results
- Knowledge of computer programs such as Origin, Mendeley, and MNova

How to apply

Please send your document to: rozaszewda@gmail.com.

- Scientific curriculum vitae, including a list of scientific achievements (scholarships, publications, conference presentations, etc.).
- Motivation letter.
- Contact information of two potential references.
- Diplomas or certificates issued by universities confirming education and degrees held;

Prospects for professional development

- Temporary employment to enhance scientific skills
- Supervision by an experienced research team leader
- Preparation for an independent scientific career
- Opportunity to work with the Programmable Polymers Research Team
- Gain experience in macromolecule chemistry
- Acquire key skills in the field of macromolecule chemistry

Please attach the following consent for data processing:

"I give consent for the processing of my personal data contained in the provided documents for the purposes related to the recruitment process at Adam Mickiewicz University, Center for Advanced Technologies, Programmable Polymers Laboratory, ul. Uniwersytetu Poznańskiego 10, 61-614 Poznań, conducted currently or in the future by UAM, in accordance with the provisions of the General Data Protection Regulation (GDPR). This consent includes processing of this data in the future, provided that the purpose of processing remains the same. I declare that providing my personal data is voluntary, and I have been informed about the right to access and correct my personal data."