



**Łukasiewicz Research Network
– PORT Polish Center for Technology Development**

is a research institute providing strong support for results commercialization. It is a place to carry on diverse research projects ranging from fundamental science to applied research and development in the field of Materials and Life Sciences to develop future technologies. Institute is located at Campus Prace in Wrocław, Poland.

PORT invites applications for a position of

Process Engineer with opportunity for PhD Functional Macromolecules Team

Interested in research projects that aim to push the boundaries of polymer science? In Functional Macromolecules Lab, we investigate sequence-defined polymers towards new applications in complex materials. ¹ We take an advantage of monomer sequence programmability to induce functions into synthetic macromolecules. Our current goal is to develop polymer materials that can be used for selective sensing of bioactive water contaminants. The problem of water pollution with bioactive compounds has been growing in the last few years due to the increasing consumption of drugs in developed societies and the pollution of the environment with plastics. Providing tools for efficient water quality control will allow for the widespread introduction of monitoring programs and enhance water purification processes.



Functional
Macromolecules

More information about activity of Functional Macromolecules Research Group: szwedalab.com

Qualifications

- A Ms degree in Chemistry or related and interest in organic/polymer chemistry
- Proficiency in English and team player skills
- Experience in organic preparative synthesis, chromatography (HPLC, Flash) and spectroscopy (NMR, FTIR, CD, UV-vis, Fluorescence)
- Pleasure in experimental work and high level of creativity, problem solving

Responsibilities

- To implement research tasks on development of sequence-defined polymers for sensing within scope of PolySens project

We offer

- Excellent research infrastructure, modern and well-equipped laboratories
- Strong collaboration with national and international industries
- Negotiable salary, 3-years contract
- Friendly, inspiring, interdisciplinary environment

Application deadline

- January 1st, 2022

To apply for the opportunity

Please send your CV, list of publications and half-page cover letter to Roza.Szweda@port.lukasiewicz.gov.pl with the ref. no PolySens/IP/2021 in the subject.

Please include the following statement in your application:

"I hereby give my permission for the processing of my personal data included in the submitted documents for the purposes of recruitment process for the Łukasiewicz Research Network – PORT Polish Center for Technology Development, ul. Stabłowicka 147, 54-066 Wrocław carried out presently or in the future by the company PORT, according to personal data protection law (GDPR). This permission for the processing of my personal data includes also the processing of these data in the future, provided that the purpose of the processing remains the same. I hereby acknowledge that the disclosure of my personal data is voluntary, and that I have been informed of the right to access my personal data, and to correct such data."

*Position is funded within LIDER XII program
by The National Center for Research and Development*



¹R. Szweda, M. Tschopp, O. Felix, G. Decher, J.-F. Lutz "Sequences of sequences: spatial organization of coded matter through layer-by-layer assembly of digital polymers", *Angew Chem Int Ed*, 2018, .130, 16043-16074.; N. F. König, A. Al Ouahabi, L. Oswald, R. Szweda, L. Charles, J.-F. Lutz "Photo-editable macromolecular information" *Nature Comm.* 2019, 10 (1), 1-9.