



Lodz University of Technology



International Centre for Research on Innovative Biobased Materials -
International Research Agenda

ICRI-BioM

**Post Doctoral Researcher in BioElectronics (Nanostructures and Interfaces Group),
International Centre for Research on Innovative Biobased Materials -
International Research Agenda**

Lodz University of Technology is one of the finest universities of technology in Poland. Its tradition and experience in training professionals and conducting research date back more than 75 years. It is an attractive partner for business. It cooperates with the largest national and international corporations. It conducts research of a European standard, develops new technologies and creates innovation in collaboration with the leading research centres all over the world. One of the pillars of Lodz University of Technology management is equal treatment of staff regardless of their gender, age, race or other demographic and social characteristics. In 2016, TUL was the first technical university in Poland to receive the HR EXCELLENCE IN RESEARCH award certifying that the University adheres to the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers.

1. The requirements to be met by the candidate:

The candidates should have completed their PhD (materials science, physics, chemistry, or related) degree not longer than 5 years prior.

Expected skills include:

- Strong research background in one of the domains: materials science/chemistry, surface physics, optical spectroscopy and/or organic optoelectronics,
- Expertise with the experimental techniques, e.g. spectroscopic methods (UV-Vis absorption and photoluminescence, IR, Raman) and structural/morphological investigation methods (SEM, TEM, AFM and other scanning probe methods),
- Experience in organic (opto)electronics, namely in fabrication and testing of thin-film devices (e.g. organic field-effect transistors, organic light-emitting diodes, organic photodetectors, etc.). Experience in electrical measurements and data analysis,
- Knowledge in advanced thin-film deposition methods (including inkjet printing and meniscus-guided deposition methods) is an additional asset.

2. The terms and conditions of employment:

- Gross monthly salary in the range 7500-9500 PLN (plus 13th salary) based on the qualifications,
- Full-time position,
- Starting date from May 15th, 2022,
- Contract until the end of 2023 (with conditional renewal),
- Full public health insurance and great research environment at the Lodz University of Technology.





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3. Description of the expected responsibilities and duties:

This post-doctoral position will involve a research project on the development of nanoscale controlled deposition of bioinspired polymeric materials for electronic and sensing applications.

4. List of the required documents:

- Application for employment to the Rector of Lodz University of Technology;
- Personal questionnaire for a person applying for employment at Lodz University of Technology, as provided in Annex no. 1.1 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- Data Privacy Statement as provided in Annex no. 1.2 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- Consent to the processing of personal data, as provided in Annex no. 1.3 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- Copies of diplomas;
- Cover letter;
- CV (up to 3 pages) which should include: the list of publications and main conference presentations, the list of research projects in which the candidate was involved, potential experience in grant proposal preparation and experience in academia-industry collaboration, contact data to two referees and other key achievement;
- Research statement (up to 2 pages).

5. Interested candidates are requested to e-mail the required documents.

The e-mail should have a subject line – “POST DOCTORAL RESEARCHER in BioElectronics” by April 15th, 2022.

6. Documents should be send to Dr. Piotr Ślęczkowski, Junior Principal Investigator at ICRI-BioM to the email address: piotr.sleczkowski@p.lodz.pl.

7. The expected date of the announcement of the decision: 29th April, 2022.

8. ICRI-BioM is an International Research Agenda, established within Lodz University of Technology under the Foundation for Polish Science MAB PLUS Program in collaboration with the Max Planck Institute for Polymer Research in Mainz. It aims at the creation of an excellent scientific unit that focuses on combining the polymer chemistry with molecular biosystems engineering experimentally and with the aid of computational sciences. It is expected that the collaboration and synergy between these groups, local scientific environment, and international cooperation will lead to breakthrough research in basic and applied sciences.



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