Assistant professor in a group of research staff
- Post Doctoral Researchers –
in the Computational simulations, Biotechnology, Polymer chemistry, and Nanomaterial 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 the 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 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 Ph.D. degree in materials science, physics, or chemistry not longer than 5 years prior.

Expected skills for particular groups include:

I. Computational simulations group:

- Strong research background in one of the domains: computational chemistry, materials science/materials chemistry, and environmental chemistry and toxicology,
- Expertise with the computational techniques and software with biomolecular systems, and experience in computational toxicology and QSAR,
- Some knowledge of scripting and programming is desired, but not mandatory.

II. Biotechnology group:

- Experience in the synthesis of biopolymers and degradation of synthetic polymers,
- Mass and high cell density cultivation of microorganisms,
- Practical experience in molecular biology methods and/or enzyme purification and characterization.
- Applications of biodegradable or bio-based materials.

III. Polymer chemistry group:

- Experience in organic synthesis (preferably also with experience in polymer chemistry),
- Experience in air-free synthesis techniques,
- Experience with instruments such as NMR, GC-MS, ESI-MS, FT-IR, GPC/SEC, DSC, TGA, etc.

IV. Nanomaterial group:

- Strong research background in one of the domains: materials science/chemistry, surface physics, optical spectroscopy and/or organic optoelectronics,
- Expertise in: spectroscopic methods (UV-Vis absorption and photoluminescence) and morphological investigation methods (AFM, other SPM methods),
- Experience in organic optoelectronics: fabrication and testing of thin-film devices (e.g. OFETs, OLEDs),
- Knowledge in advanced thin-film deposition methods (e.g. 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 assuming employment longer than 6 months) based on the qualifications,
• Full-time position,
• **Starting dates available from May 2023,**
• Contract until the end of 2023 (with conditional renewal),
• Full public health insurance and great research environment at the Lodz University of Technology.

3. Description of the expected responsibilities and duties for particular groups:

I. Computational simulations group:

Research in the area of biodegradation of organic pollutants, biotransformation mechanism, structure-activity relationships, and machine learning methods

II. Biotechnology group:

Research in the area of biochemistry/biotechnology/biodegradable polymers/enzymatic modifications, bioreactors, and bio-based materials.

III. Polymer chemistry group:

This position will involve a research project at the intersection of organic chemistry and polymer chemistry. Topics include monomer synthesis and polymerization, as well as topics relating to post-polymerization modification.

IV. Nanomaterial group:

This post-doctoral position will involve a research project on the development of NIR OLEDs based on bioinspired organic molecules.

More details on the groups and their research interest can be found at https://icri-biom.p.lodz.pl

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 (annex 1.1), data privacy statement (annex 1.2), and consent to processing of personal data (annex 1.3) – all available at **Microsoft Word - Annex no. 1, 2, 3 (lodz.pl)**;

• 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 achievements;
• Research statement (up to 2 pages).
Please note that all the documents should be submitted as a single PDF file.

5. Interested candidates are requested to e-mail the required documents to individual leaders of the groups in which they are interested in employment:

I. Computational simulations group:
The e-mail should have the subject line "Post-Doc in Computational Chemistry" to li.ji@p.lodz.pl

II. Biotechnology group:
The e-mail should have the subject line "Post-Doc in Biotechnology" to vignesh.kumaravel@p.lodz.pl

III. Polymer chemistry group:
The e-mail should have the subject line "Post-Doc in Polymer Chemistry" to christopher.plummer@p.lodz.pl

IV. Nanomaterial group:
The e-mail should have a subject line "Post-Doc in Nanomaterials" to piotr.sleczkowski@p.lodz.pl

6. The required documents should be sent by April 13, 2023.

7. The expected date of the announcement of the decision: April 17th, 2023.

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 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, the local scientific environment, and international cooperation will lead to breakthrough research in basic and applied sciences.

Annex no. 1.1
to The OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT

PERSONAL INFORMATION FORM FOR APPLICANTS FOR EMPLOYMENT AT LODZ UNIVERSITY OF TECHNOLOGY

1. First name(s) and family name ……
2. Date of birth ……
3. Contact details ……
4. Education (where required for specific duties or jobs) ……

   ……

   (name of school and graduation date)

   ……

   ……

   (occupation, specialisation, degree, professional title, academic title)

5. Professional qualifications (where required for specific duties or jobs) ……

   ……

   ……

   (courses, postgraduate education, other forms of further development of knowledge and skills)

6. Employment history (where required for specific duties or jobs) ……..

   ……

   ……

   (employment periods and jobs held at previous employers')

7. Additional personal information, where the right or the duty to disclose it exists under specific regulations……..…..

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…… ……

(place and date) (signature of the applicant)

Data Privacy Statement for job candidates

Pursuant to Article 13(1) and (2) of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation, Official Journal of the EU L 119/1), hereinafter referred to as "GDPR", we inform you as follows:

1) Lodz University of Technology with the registered office in Lodz is the Controller of your personal data;
2) We have appointed a Data Protection Officer to supervise the compliance of personal data processing, who can be contacted in matters concerning the protection of your personal data at the following e-mail address: iod@adm.p.lodz.pl, tel. 42 631 20 39.; or in writing to the address of our registered office: Lodz University of Technology, Żeromskiego 116, 90-924 Łódź;
3) As the controller, we will process your data for the purpose of the recruitment process for the position indicated, based on your consent (Article 6(1)(a) GDPR);
4) You have the right to withdraw your consent to the processing of your personal data at any time, but such withdrawal shall not affect the lawfulness of the processing effected on the basis of your consent prior to its withdrawal;
5) You have the right to lodge an objection against the processing of the data as set out above at any time. We will cease to process your data for these purposes unless we can demonstrate that there are compelling legitimate grounds for us to do so which override your interests, rights, and freedoms, or that your data will be required for the possible establishment, assertion, or defense of claims;
6) Your personal data provided in the CV, personal information form for the applicant for employment, and copies of documents supporting your professional experience, education, additional credentials and qualifications will be processed for the period in which claims related to the recruitment process may arise, i.e. for 6 months following the conclusion of the recruitment process. For individuals who have given their consent to the processing of personal data for the purposes of future recruitment, for a period of 12 months following the conclusion of the recruitment process during which the consent has been given;
7) Only individuals authorized by the Controller to process your data in the performance of their duties will have access to your data;
8) Your personal data will not undergo automated processing and will not be subject to profiling;
9) Under GDPR, you shall further have:
   a) the right to access your data and to receive copies thereof,
   b) the right to rectification (amendment) of your data,
   c) the right to erasure/to be forgotten, restriction of data processing,
   d) the right to data portability,
   e) right to file a complaint to the supervisory authority - President of the Personal Data Protection Office, Stawki 2, 00-193 Warsaw.

…….
(date and signature of the candidate)

Annex no. 1.3
to The OTM-R POLICY – OPEN TRANSPARENT MERIT-BASED RECRUITMENT

Consent of the candidate to the processing of personal data (pursuant to Article 7 GDPR)

I consent to the processing of my personal data by Lodz University of Technology, the Controller of the data included in the following documents that I have submitted:

……

……

for the purpose of recruitment/employment*.

I hereby declare that I have been informed of the right to withdraw my consent at any time, effective as of the date of submission of the withdrawal of consent.

The Controller (or an authorised representative) has also informed me that the withdrawal of consent does not affect the lawfulness of the processing performed on the basis of the said consent prior to its withdrawal.

.....
(date and signature of the candidate)

* delete as appropriate

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