Politechnika Łódzka

Post-Doctoral Researcher (F/M), International Centre for Research on Innovative Bio-based Materials (ICRI-BioM), Politechnika Łódzka; Łódź, Poland.

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 80 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*.

ELIGIBILITY CRITERIA:

- A doctoral degree (PhD) in Chemistry, Biotechnology, Materials Science, or a closely related discipline.
- Research experience in coatings engineering, electrochemistry, biomaterials, biopolymers, hydrogels, and nanomaterial characterization.
- Hands-on experience in conducting antibacterial assays and cell culture experiments, including the evaluation of antibacterial activity and cytocompatibility of materials and coatings.
- Practical experience in the fabrication and functionalization of coatings on various substrates using electrochemical deposition techniques.
- Demonstrated motivation, adaptability, and willingness to acquire new knowledge and develop advanced experimental skills relevant to the research project.
- A proven scientific track record, including at least two research publications in international peer-reviewed journals indexed in the Web of Science database.
- Experience in presenting research findings at national and/or international scientific conferences.

SCOPE OF WORK:

- Design, development, and optimization of stimuli-responsive antibacterial coatings on titanium and other relevant substrates, utilizing surface functionalization and coating deposition techniques to achieve enhanced antibacterial performance and biocompatibility.
- Characterization of the developed coatings, evaluation of their antibacterial and antibiofilm activities, and assessment of cytocompatibility through cell culture studies, including investigation of the underlying mechanisms of antibacterial action.

THE APPLICATION MUST CONTAIN:

- A brief motivation letter (one page) outlining the candidate's interest and expertise match for this postdoctoral position
- Application for employment to the Rector of the Lodz University of Technology.
- CV including previous research projects, work experience, career goals & a complete list of conference abstracts and/or publications.

Lodz University of Technology
90-924 Lodz, 116 Żeromskiego Street
phone (+48 42) 631 29 29, www.p.lodz.pl

Łódzkie Partnerstwo Akademickie im. Jana Karskiego

ECIU university

HR EXCELLENCE IN RESEARCH

- Copies of Bachelor's, Master's, and Ph.D. degree certificates and transcripts in English.
- Copy of one best publication from the Ph.D. research work
- Consent to the processing of personal data according to the following statement: for the purpose of the recruitment process, please attach a declaration of consent to the processing of personal data for recruitment purposes should include the following clause: "I consent to the processing of my personal data for the purposes necessary to carry out the recruitment process in accordance with 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 (GDPR)."
- 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;
- other documents proving the qualifications.

HOW TO APPLY

Please send your application in English as a **single PDF file** with the subject line "**Post-doctoral position in Biomaterials**" and send it to: vignesh.kumaravel@p.lodz.pl

Deadline for applications: 30th November 2026
Planned start date of the position: January/February 2027

ADDITIONAL INFORMATION

We have an internal procedure for reporting violations of law and follow-up actions at Lodz University of Technology.

The best candidates will be invited to a 20-minute job interview, organized on the Microsoft Teams/Zoom platform.

The evaluation process will be carried out in two stages. The first stage is based on the analysis of the submitted documents. The second stage is an interview with the selected candidates. Successful candidates will only be notified of their progress to the second stage by email.
If the successful candidate does not accept the position, it will be offered to the next person on the recruitment list. The competition results are valid subject to the Rector's approval.

Politechnika Łódzka

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) .....

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(name of school and graduation date)

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

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

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

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

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(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)

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Politechnika Łódzka

Annex 1.2
to the 'OTM-R POLICY - OPEN TRANSPARENT SUBSTANTIVE RECRUITMENT PROCESS'.

Information clause for employment candidates

In accordance with 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 individuals 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) OJ L 119, p. please be informed that:

1. The controller of the data is Lodz University of Technology with its seat in Łódź, at. ul. Żeromskiego 116, Tax Identification Number (NIP): 727-002-18-95, tel. +48 42 631 29 29 represented by the Rector.
2. The Data Protection Officer has been appointed at TUL (contact details: e-mail: iod@adm.p.lodz.pl, phone number: 42 631 20 39).
3. Your personal data to the extent indicated in the employment legislation will be processed for the purpose of the current recruitment procedure (Art. 6(1)(b) GDPR), while other data, including contact data, will be processed on the basis of consent (Art. 6(1)(a) GDPR), which can be revoked at any time.
4. Lodz University of Technology will process your personal data, also in subsequent staff recruitment, if you give your consent (Art. 6(1)(a) GDPR), which can be revoked at any time.
5. If the documents contain the data referred to in Article 9(1) of the GDPR, your consent to their processing will be required (Article 9(2)(a) of the GDPR), which can be revoked at any time. Labour law provisions: Article 22 of the Polish Labour Code and §1 of the Regulation of the Minister of Family, Labour and Social Policy of 10 December 2018 on employee records.
6. Personal data will be disclosed to persons acting under the authority of the controller and having access to personal data, processing them only on the controller's instructions, unless required by European Union or Member State law.
7. Data retention period: Your data collected in the current recruitment process will be stored until the end of the recruitment process. If you have given your consent to the use of your personal data for future recruitment, your data will be used until the end of the calendar year in which the recruitment process for which your application was submitted has ended.
8. You are the holder of the following entitlements:
    1) the right to access your data and to receive a copy of it
    2) the right to rectify (amend) your personal data;
    3) the right to restrict the processing of your personal data;
    4) the right to erasure of your personal data;
    5) the right to lodge a complaint with the President of the Office for Personal Data Protection (to the address of the Office for Personal Data Protection, ul. Stawki 2, 00 - 193 Warsaw)
9. Information on the requirement to provide data: Your provision of personal data in the scope resulting from Article 22^1 of the Polish Labour Code is necessary to participate in the recruitment procedure. Your provision of other data is voluntary.

.....
(signature of candidate for employment)

Annex 1.3
to the 'OTM-R POLICY - OPEN TRANSPARENT SUBSTANTIVE RECRUITMENT PROCESS'"

Candidate's consent to personal data processing under Article 7 GDPR

I consent to the processing of my personal data for the purpose and to the extent necessary to carry out the recruitment for the job in accordance with 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), publ. Official Journal of the EU L No. 119, p. 1. Consent is voluntary. Failure to give consent entails the inability to participate in the recruitment process. Consent may be withdrawn at any time, but without affecting the legality of the processing of personal data carried out on the basis of consent before its withdrawal.

I would like to inform you that I have been/I haven't been* presented with the salary range for the position mentioned in the advertisement.

.....
(date and signature of applicant)

* delete as appropriate