Annex no. 1
to The OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT

Assistant Professor (F/M) in the group of research and teaching staff at the Institute of Molecular and Industrial Biotechnology

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 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*.

1. **The requirements to be met by the candidate (detailed description of the knowledge, qualifications, skills, and professional experience):**
    - PhD degree in the field (discipline) of Food Technology and Nutrition or Biotechnology;
    - documented scientific achievements demonstrated by at least five publications in international scientific journals (indexed in the Web of Science database) or publications of global scope, including at least one first-author article;
    - documented completion of at least a 6-month research fellowship at a renowned scientific institution abroad;
    - experience in animal and human cell culture, confirmed by at least three publications in journals listed in the Journal Citation Reports (JCR);
    - participation in research projects as a principal investigator or research team member;
    - practical knowledge of flow cytometry, confirmed by at least one publication in a JCR-listed journal;
    - practical knowledge of molecular biology and genetic engineering techniques (e.g., DNA/RNA and protein isolation, PCR, RT-PCR), as well as protein and nucleic acid electrophoresis techniques, Western blotting, and ELISA;
    - practical knowledge of standard statistical analyses used for the interpretation of biological research results;
    - certified English language proficiency at a minimum level of B2;
    - fluent command of Polish, both spoken and written, necessary for conducting research, teaching, and organizational activities;
    - experience in teaching students at both undergraduate (Bachelor's/Engineering) and graduate (Master's) levels;
    - supervision of at least one Bachelor's/Engineering or Master's thesis will be considered an advantage;
    - knowledge of techniques for working with immune system cells, including the isolation of peripheral blood mononuclear cells (PBMCs), will be an additional asset.

2. **Working conditions:**
    - type of contract: employment contract (full-time) since 01.10.2026;
    - salary starting from PLN 7,045 gross per month;

- criteria for determining salary: job description, competencies, experience, responsibility – in accordance with objective and gender-neutral principles.

3. Description of the expected responsibilities and duties:

- conducting scientific research in the disciplines of nutrition and food technology, chemical engineering, or related disciplines and participating in disseminating the results of these activities;
- didactic teaching for the Bachelor's and Master's degree courses related to the disciplines of nutrition and food technology as well as chemical engineering, both in Polish and English;
- participation in scientific projects implemented at the Institute and applying for grants financed by external institutions;
- traveling abroad as part of a European programmes, such as Erasmus+, or attending an international conferences;
- improvement of skills through participation in training courses;
- participation in organizational work for the benefit of the University and the Institute.

In order to carry out the above responsibilities, it is necessary to:

- be self-motivated and very good at organizing your work;
- be able to work independently and as part of a team;
- transfer knowledge and build relationships with students in the teaching process;
- present results and keep up-to-date reporting on work in progress;
- adapt to new challenges and changes;
- have high personal culture and excellent interpersonal skills;
- accurately carry out assigned tasks and adapt to procedures.

4. List of required documents:

- application for employment to the Rector of Lodz University of Technology;
- CV;
- 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;
- true copies/copies of diplomas;
- description of scientific achievements and research experience;
- other documents proving the qualifications.

5. The place, manner, and deadline for submitting the documents (as well as information concerning their return):

- competition entries will be accepted until 06.09.2026;
- competition entries can be sent to the e-mail address: ewa.gromek@p.lodz.pl with "job application - I51 assistant professor competition (F/M)" in the subject line. All required documents/attachments must be sent as PDF files;

- competition entries can also be sent by post to the correspondence address: Lodz University of Technology, Institute of Molecular and Industrial Biotechnology, 116 Żeromskiego Street, 90-924 Łódź, Poland in an envelope with the note "job application - I51 assistant professor competition (F/M)";
- documents delivered after the deadline (the date of delivery to the Institute of Molecular and Industrial Biotechnology TUL) will not be considered;
- Candidates will be able to collect their documents related to the competition for 30 days after the end of the competition;
- Candidates meeting the requirements of competition will be invited for an interview; information regarding the interview will be sent to Candidates by e-mail.

6. **Contact person and postal and e-mail addresses to which documents or scans thereof may be forwarded:** Ewa Gromek, e-mail: ewa.gromek@p.lodz.pl

7. **The expected date of the announcement of the decision:** September 2026
   The results of the competition are not tantamount to the establishment of the employment relationship with Lodz University of Technology. The final decision on employment will be made by the Rector based on the recommendation of the competition committee.

8. **Additional information:** We have an internal procedure for reporting violations of the law and taking follow-up actions at the Lodz University of Technology.

9. **Description of the profile of the unit announcing the competition:**

The Institute of Molecular and Industrial Biotechnology was established in 1963. Based on the laboratories of Molecular Biotechnology and Cell Culture as well as X-ray Structural Analysis, it conducts research in the field of molecular biotechnology, industrial biotechnology, proteomics/structural biology, food biochemistry and nutrigenomics, biomaterials engineering. Current research topics include:

- characterization of pro-health effects of phytochemicals and synthetic compounds using *in vitro* methods, including cell cultures;
- search of antidiabetic compounds;
- determination of cytotoxicity, efficacy and molecular mechanisms of xenobiotics using cell lines;
- tests of biocompatibility and cytotoxicity of materials using *in vitro* methods;
- search in natural environments and selection of technologically useful microbial enzymes (including extremophiles) using efficient methods and omics techniques;
- molecular identification of microorganisms producing enzymes and valuable bioproducts;
- development of efficient bioprocesses (biosynthesis, biocatalysis, biotransformation): isolation and purification of enzymes and bioproducts; mathematical optimization and up-scaling of biotechnological processes under different culture conditions or reaction environments;
- production and characterization of different forms of biocatalysts (including immobilized): kinetics and mechanism of action, stability, stabilization;
- construction of recombinant enzymes using genetic engineering techniques: selection of vectors and expression systems; optimization of expression of target gene(s) in a heterologous host, purification of recombinant enzymes;

- engineering of native and recombinant enzymes by recombinant DNA technology: rational mutagenesis and targeted enzyme evolution (increasing enzyme efficiency, changing substrate specificity, increasing stability and finding new, unique enzymatic activity);
- the development of strategies for the utilization of enzymes to synthesize compounds that have previously been obtained only by chemical synthesis;
- the construction of enzyme preparations with diverse forms and functions for the purpose of facilitating the treatment of plant biomass waste in the biorefinery process, including cascade reactions;
- genomics (bacterial genome assembly, NGS and nanopore sequencing data), bioinformatics analysis and functional annotation of genomes, transcriptomics (RT-PCR,RNA-seq), bacterial proteomics;
- structural studies of biologically active compounds in the aspect of application in medicine and biotechnology;
- crystallographic studies of native proteins and their complexes with ligands;
- analysis of the properties of biopolymers (biomechanical, biological, and physicochemical tests).

Politechnika Łódzka

Annex no. 1.1
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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)

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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)

Politechnika Łódzka
90-924 Łódź, ul. Żeromskiego 116
tel. 42 636 55 22, fax: 42 636 56 15, www.p.lodz.pl

ECIU university

HR EXCELLENCE IN RESEARCH

Annex no. 1.2
to The OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT

Data Privacy Statement for job candidates

1. The administrator of your data processed as part of the recruitment process is Lodz University of Technology (address: 90-924 Lodz, 116 Żeromskiego St., phone: +48 42 631 29 29), represented by the Rector as the employer.
2. At the Lodz University of Technology you can contact the Data Protection Officer at: iod@adm.p.lodz.pl phone: +48 42 631 20 39.
3. Lodz University of Technology will process your personal data to the extent indicated in the labor legislation for the purpose of the current recruitment procedure (Article 6(1)(b) of the GDPR), while other data, including contact data, on the basis of consent (Article 6(1)(a) of the GDPR), which may be revoked at any time.
4. Lodz University of Technology will process your personal data, also in subsequent recruitment of employees, if you give your consent (Article 6(1)(a) GDPR), which may be revoked at any time.
5. If the documents include 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 may be revoked at any time. (Article 22 of the Labor Code and §1 of the Regulation of the Minister of Family, Labor and Social Policy of December 10, 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 instructions of the controller, unless required by European Union or Member State law.
7. Your data collected in the current recruitment process will be stored until the end of the recruitment process. In the case of your consent to the use of 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 ended.
8. You have the right to:
   a) the right to access your data and to receive a copy of it;
   b) the right to rectify (correct) your personal data;
   c) the right to restrict the processing of your personal data;
   d) the right to delete your personal data;
   e) the right to lodge a complaint with the President of the Personal Data Protection Office (to the address of the Personal Data Protection Office: 2 Stawki St., 00 - 193 Warsaw)

Information on data requirement: Your submitting personal data to the extent of Article 221 of the Labor Code is necessary to participate in the recruitment procedure. Your provision of other data is voluntary.

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

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

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/I have not* been presented with the salary range for the position mentioned in the advertisement.

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

* delete as appropriate