



Assistant Professor (F/M) in the Research Staff Group at Department of Molecular Physics, Faculty of Chemistry, Lodz University of Technology

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*.

1. The requirements for the candidate:

The candidate must meet the requirements set forth in the annex to NCN Council Resolution No. 23/2023 of February 16, 2023, regarding amendments to the Regulations on the allocation of funds for the implementation of tasks financed by the NCN in the area of research projects

- Ph.D. degree in science and life sciences in the discipline of physical, chemical sciences, or related Sciences; The person employed in this position must hold a doctoral degree obtained in the year of employment in the project or within the seven years prior to January 1st of the year of employment in the project. This period may be extended by the duration of long-term (over 90 days) documented sickness benefits or rehabilitation benefits due to incapacity for work. Additionally, this period may be extended by the number of months spent on childcare and parenting leave granted under the terms of the Labor Code. The application submission date is considered to be the closing date for applications in the competition, and in the case of women intending to participate in the competition – by 18 months for each born or adopted child, if this method of indicating career breaks is more favorable.
- Fluency in written and spoken English
- Experience in studying the optoelectronic properties of organic semiconductors;
- Experience in thin film deposition;
- Experience in studying the surface morphology and microstructure of thin films;
- Proven track record of scientific accomplishments in optoelectronics;
- The ability to prepare scientific reports and public presentation of scientific results in English;
- The ability to work in a team environment.

Desired additional skills:

- Ability to prepare thin films of organic materials by various solution and thermal sputtering methods;
- Experience in constructing and testing organic field-effect transistors;
- Experience using gloveboxes;
- Openness to new concepts, ease of learning;
- Independence and decision-making skills;
- Experience in fabrication of sensors and neuromorphic systems based on organic transistors

2. Working conditions:

- Employment contract (full-time) from July 2026 with a PLN 8850,00 of full remuneration costs
- Employment contract until June 2028
- Full public health insurance, a package of social benefits for Lodz University of Technology employees (including FitProfit/FitSport sports card);



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- Career development opportunities: Working in a young, dynamically developing team, access to unique research infrastructure. During the project, there is the opportunity to complete an internship with one of the foreign partners.

2. Description of the expected scope of tasks and responsibilities:

- Conducting scientific research under dr hab. Tomasz Marszałek supervision within the research project "Controlled crystallization for trap-limited charge carrier transport in organic semiconductors" (Acronym: Crystal).
- Performing duties of an assistant supervisor for a PhD student employed to carry out the Crystal project.
- Active participation in organizational work related to implementation of the Crystal project.
- Active participation in the construction and organization of laboratory facilities needed for the implementation of the Crystal project and in maintaining them in good technical condition.
- Organizational work for the Department of Molecular Physics, Faculty of Chemistry and Lodz University of Technology in the scope related to the implementation of the Crystal project (e.g. related to renovations, moving to new premises, failures, etc.).

4. List of required documents:

- 1) Application for employment to the JM Rector of Lodz University of Technology;
- 2) Personal questionnaire for a person applying for employment at the Lodz University of Technology, as provided in Appendix No. 1.1 to the "OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT"
- 3) Data Privacy Statement as provided in Appendix No. 1.2 to the "OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT";
- 4) Consent to processing of personal data, as provided in Annex No. 1.3 to the "OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT ";
- 5) True copies/copies of diplomas;
- 6) Other documents proving qualifications.

5. Applications will be accepted until 24.05.2026 r. at the Secretariat of the Department of Molecular Physics, Lodz University of Technology, 114 Żeromskiego Street, 90-924 Łódź, (building A34, room D4.02) or by e-mail: w3k31@adm.p.lodz.pl (in the title of the e-mail necessarily write: "competition OPUS 25 - research assistant professor (F/M) K31"). The competition organizer reserves the right to cancel the competition without giving any reasons. 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. Candidates will be allowed to collect their documents related to the competition for 30 days after the competition ends.

6. Contact person and e-mail address for sending documents or scans: Katarzyna Tadel
w3k31@adm.p.lodz.pl

7. Expected date of the announcement of the decision: 29.05.2026

8. Candidate Information Materials (Department of Molecular Physics description):

Department of Molecular Physics (KFM) is a part of the Faculty of Chemistry of the Lodz University of Technology. It is an interdisciplinary unit, conducting research at the intersection of chemistry, physics, material engineering, including nanotechnology.

Currently, the Department's topics include the physics of organic solids, physics and physical chemistry of polymers, including:

- electrical and optical properties,



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- conductivity and photoconductivity of polymers;
- electroluminescence and luminescence of organic materials;
- molecular spectroscopy of polymers;
- stimuli-sensitive polymer hydrogels;
- organic semiconductors and conductors, molecular crystals;
- physical methods of polymer modification, new methods of composites manufacturing;
- thin film deposition technologies;
- modeling of macromolecular dynamics;

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



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)

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(signature of the applicant)



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 22¹ of the Polish Labour Code is necessary to participate in the recruitment procedure. Your provision of other data is voluntary.

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(signature of candidate for employment)



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Appendix 1.3
to the 'OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED 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/I have not* been presented with the salary range for the position mentioned in the advertisement.

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(date and signature of applicant)

* delete as appropriate