Annex no. 1

to The OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT

**Assistant Professor 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 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 centers 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:**

* Ph.D. degree in science and life sciences in the discipline of physical, chemical sciences, or related

Sciences;

* 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;
* knowledge of the principles of molecular dynamics (MD) and semi-empirical MD methods (PM6, PM7, GFN2);
* Basic ability to use MD software (LAMMPS, Gromacs, Yasara, Scigress, xtb);
* Knowledge of scripting programming languages (e.g. Python)
* Ability or willingness to quickly learn MD simulations of aggregation and crystallization processes

**2. Working conditions:**

Employment contract (full-time) from January 2025 with a PLN 8850,00 of full remuneration costs

**3. 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 **31.08.2024** at the Secretariat of the Department of Molecular Physics, Lodz University of Technology, 116 Żeromskiego Street, 90-924 Łódź, (building A27) or by e-mail: w3k31@adm.p.lodz.pl (in the title of the e-mail necessarily write: "competition - research assistant professor 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 annoucement of the decision**: 05.11.2024.

**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,
* 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;

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)

1. 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)

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

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(employment periods and jobs held at previous employers')

1. 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)

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:
9. the right to access your data and to receive a copy of it;
10. the right to rectify (correct) your personal data;
11. the right to restrict the processing of your personal data;
12. the right to delete your personal data;
13. 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.

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(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:

………………………………………………………………………………………………………………….

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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.

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(date and signature of the candidate)

\* delete as appropriate