



Assistant Professor (f/m) in the Research Staff Group (post-doc) at Institute of Polymer and Dye Technology, Faculty of Chemistry, Technical University of Lodz

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*.

We are seeking a candidate for the position of **Assistant Professor in the Research Staff Group** to work on the project "*Development of rigorous tools for identifying and elucidating the role of reactive oxygen and nitrogen species generated during ferroptosis*" funded by the Sonata 20 programme of the National Science Centre (Poland).

1. The requirements for the candidate:

- The candidate (f/m) must hold a PhD degree in the field of science and life sciences, in the discipline of chemical sciences, obtained in the year of employment within the project or within 12 years prior to 1 January 2026. This period may be extended by the duration of documented long-term (over 90 days) sick leave or rehabilitation benefits related to incapacity for work taken during this time. In addition, this period may be extended by the number of months spent on childcare-related leaves granted under the provisions of the Labour Code. In the case of female candidates applying for the position, the period may alternatively be extended by 18 months for each child born or adopted, if this method of accounting for career breaks is more advantageous.
 - The candidate (f/m) must have obtained the PhD degree at an institution other than Lodz University of Technology, or must have completed a continuous, documented postdoctoral fellowship of at least 10 months at an institution other than Lodz University of Technology and in a country other than the country in which the PhD degree was obtained.
 - The candidate (f/m) must have experience in:
 - investigating mechanisms of radical reactions in biologically relevant systems;
 - studying the role of reactive oxygen species in model biological systems;
 - conducting research using techniques such as time-resolved laser spectroscopy, high-performance liquid chromatography with absorbance and fluorescence detection, liquid chromatography coupled with mass spectrometry, spectrophotometry, spectrofluorimetry, nuclear magnetic resonance, and other related methods;
 - preparing scientific reports and publicly presenting research results;
- and
- demonstrate the ability to plan and conduct experiments, as well as to visualize results;
 - demonstrate a good command of English, both spoken and written, enabling effective scientific communication, tracking of the scientific literature, and preparation of publications.



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- The candidate (f/m) must have a documented scientific track record in the form of publications in recognized scientific journals (indexed in the Web of Science database) confirming the required experience.
- Due to the scope and nature of the tasks involved in the project, the following will be considered an asset:
 - experience in the synthesis of organic compounds;
 - experience gained at research institutions abroad;
 - ability to work effectively as part of a team;
 - independence and the ability to make decisions;
 - openness to new concepts and the ability to rapidly acquire new knowledge.

2. Working conditions:

- Full-time employment for a period of 30 months within the NCN Sonata 20 project.
- Annual gross salary of PLN 140,000 (gross-gross).
- Expected starting date: 1 April 2026.

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

The position is a postdoctoral appointment for the implementation of research tasks within a grant funded by the National Science Centre (NCN) under the Sonata 20 programme: "*Development of rigorous tools for identifying and elucidating the role of reactive oxygen and nitrogen species generated during ferroptosis*" (the project abstract is available <https://www.ncn.gov.pl/sites/default/files/listy-rankingowe/2024-09-16-titokb02cwd/streszczenia/629657-pl.pdf>).

Within the project, the postdoctoral researcher (f/m) will conduct research aimed at developing new chemical biology tools for the identification of oxidants involved in, and generated during ferroptosis, as well as tools enabling the induction of lipid peroxidation at defined cellular locations, a key process driving ferroptotic cell death.

Assistant Professor (f/m) in the Research Staff Group is expected to:

- conduct research related to the project subject;
- actively participate in the activities of the research team;
- present research results at seminars and conferences;
- prepare research reports and publications in recognized scientific journals;
- contribute to the organizational activities of the Institute of Polymer and Dye Technology, the Faculty of Chemistry, and Lodz University of Technology in areas related to the project implementation.

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) Curriculum vitae including contact details and information on scientific, teaching, and organizational achievements, with particular emphasis on:



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- a list of scientific publications indexed in the Web of Science (WoS), including Impact Factor, number of citations excluding self-citations (according to WoS), and H-index;
 - a list of inventions, patents, and implemented developments;
 - information on leadership of or participation in research projects;
 - information on completed scientific fellowships;
 - information on awards and distinctions received.
- 7) two reference letters, including one from the PhD thesis supervisor;
- 8) other documents confirming the candidate's qualifications.

5. Place, form, and deadline for submitting documents

Applications should be sent electronically to the following email address: aleksandra.grzelakowska@p.lodz.pl by 20 March 2026. Please include "SONATA 20 research assistant professor competition" in the subject line of the email. All required documents/attachments must be submitted in PDF format (the total size of all files should not exceed 10 MB). Applications may be also sent via traditional postal mail.

Candidates may collect the documents they submitted in connection with the competition for a period of 30 days from the date the competition concludes.

6. Contact person and e-mail address for sending documents or scans:

Aleksandra Grzelakowska: aleksandra.grzelakowska@p.lodz.pl

In the case of submitting documents by traditional mail, they must also be sent by 20 March 2026. Please mark the envelope with "SONATA 20 research assistant professor competition" and send it to the following address: Lodz University of Technology, Faculty of Chemistry, Institute of Polymer and Dye Technology, ul. Stefanowskiego 16, Building A8, 90-537 Łódź, Poland.

7. Expected date of the announcement of the decision:

24 March 2026.

8. Description of the profile of the research institution announcing the competition and the main research conducted:

The scientific activity of the Institute of Polymer and Dye Technology focuses on two thematic areas: polymer technology and the technology of dyes, auxiliaries, and household chemistry. The project for which the postdoctoral position is offered is carried out within the Dye Chemistry and Technology Team. The team's research interests focus on the synthesis and application of dye compounds, with particular emphasis on fluorescent probes designed for the detection of key components of biological cells, including reactive oxygen, nitrogen, and sulfur species.

9. In case of sending the documents by mail, the envelope should be marked "SONATA 20 research assistant professor competition".

10. Additional information:

- The competition is open.
- Candidates who meet the formal requirements and the project criteria will be invited for a qualifying interview. Information regarding the interview will be sent to candidates by email.
- The outcome of the competition does not guarantee employment at Lodz University of Technology. The final decision on hiring will be made by the Rector based on the recommendation of the selection committee.



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- 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)
.....
(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

.....
(place and date)

.....
(signature of the applicant)



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)



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 presented with the salary conditions for the position mentioned in the advertisement.

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

* delete as appropriate