



Annex no. 1

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

Assistant professor in Institute of Organic Chemistry of the 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 75 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).

- Doctorate in Chemistry.
- Experience in research in the field of organic chemistry, with a particular focus on asymmetric synthesis and organocatalysis, documented by publications.
- Experience in the stereoselective synthesis of heterocyclic compounds.
- Knowledge of spectroscopic methods and their use for the identification of organic compounds.
- Knowledge of selected research techniques such as: NMR, MS, HPLC, UPCC.
- Scientific achievement in the field of asymmetric organocatalysis documented by publications, including review articles.
- The ability to search chemical literature using modern databases, such as Reaxys, SciFinder, Scopus.
- Proficient knowledge of Polish in speech and writing, good knowledge of English.



- Teaching experience in conducting classes with students and in scientific care of students in the field of organic chemistry.
- Ability to plan and organize experimental work.
- Experience in preparation of manuscripts of publications, including review articles.
- Ability to work in a team.
- Strong motivation and enthusiasm for research and further scientific development.

2. Specification of the terms and conditions of employment and authority associated with the position.

- Full time
- The selected candidate will be employed for a period of 12 months (until 30.09.2023) with the possibility to extend the contract after this period
- Expected date of commencement of work: 01.10.2022

3. Description of the expected responsibilities and duties.

- Setting short and long term research goals.
- Data analysis and preparation of research reports.
- Publishing research results.
- Supervising the keeping of the necessary documentation and reporting.
- Conducting didactic classes with students and scientific supervision over graduate students.
- Preparation of information and popular science publications.

4. List of the required documents:

- 1) Application for employment to the Rector of Lodz University of Technology;
- 2) Curriculum vitae with contact details, taking into account scientific achievements, in particular:
 - research experience at home and/or abroad,
 - publications in publishing houses/scientific journals,
 - didactic and scientific achievements.



- 3) 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;
- 4) Data Privacy Statement as provided in Annex no. 1.2 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 5) Consent to the processing of personal data, as provided in Annex no. 1.3 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 6) True copies/copies of diplomas;
- 7) Other documents proving the qualifications.

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

Documents must be submitted to the Institute of Organic Chemistry of the Łodz University of Technology to an e-mail address: justyna.babska@p.lodz.pl **until the date of 03.09.2022.** The required documents must be attached in PDF format. In the title of the e-mail, please write “Competition assistant professor of organic catalysis team”.

In case of sending documents traditional way, also until 03.09.2022, please write annotation on envelope “Competition assistant professor of organic catalysis team”. Send documents on the address Chemistry Department Institute of Organic Chemistry of the Lodz University of Technology, Żeromskiego 116 street, 90-543 Lodz, building A-27, room 304.

Following a preliminary verification on the basis of the documents submitted, the selected candidates may be invited to an interview. Entries will be evaluated by the Selection Board.

6. Contact person and postal and e-mail addresses to which documents or scans thereof may be forwarded;

Additional information on the competition is provided by the Specialist – Justyna Babska, e-mail: justyna.babska@p.lodz.pl

7. The expected date of the announcement of the decision: 03.09.2022



8. Description of the employing unit

Institute of Organic Chemistry is one of the units of Chemical Department of the Lodz University of Technology. Was created in 1970 as a result of changes provided by Ministry of Science and Higher Education. The Institute is a scientific unit conducting research in the field of organic chemistry. The main lines of research concern the methodology of organic synthesis, asymmetric catalysis, synthesis and the use of organic catalysts with a strictly defined spatial structure. The important aspect of our research is understanding the mechanisms of organocatalytic reactions based on kinetic and synthetic techniques, particularly with nuclear magnetic resonance spectroscopy (NMR). Recently we also conducting research on mass spectrometer coupled with multidiversion liquid chromatograph. The Institute's research work is focused on practical use in industry and medicine. We also run many projects, foreign and national.