

Name of the institution: Poznan University of Technology, Faculty of Chemical Technology,
Institute of Chemistry and Technical Electrochemistry – Poznan

Job position title: Postdoctoral Researcher (M/F)

Requirements:

1. Doctoral diploma in the discipline of chemical sciences, material sciences, or related fields*.
2. Scientific skills for electrochemistry, materials science, and physicochemical characterization.
3. Experience with various electrochemical techniques (cyclic voltammetry, galvanostatic charge/discharge, electrochemical impedance spectroscopy).
4. Experience with techniques: Raman spectroscopy, electron paramagnetic resonance spectroscopy (EPR), electrochemical quartz crystal microbalance (EQCM), electrochemical dilatometry.
5. Ability to functionalize carbon materials.
6. Familiarity with conducting research in an *operando/in-situ* mode.
7. Good oral and written English language skills.
8. Ability to learn new skills quickly.
9. Accuracy, conscientiousness, punctuality, and good organization of work.
10. Commitment to assigned tasks, ability to work independently.

Tasks description:

The selected postdoc researcher will participate in the realization of the NCN OPUS-29 project (No. 2025/57/B/ST4/01691, Effect of the structural disorder in carbon material on capacitive and faradaic charge storage).

The tasks to be performed in the designated position will include:

1. Active participation in the work of the project team, especially in the implementation of assigned tasks.
2. Physicochemical characterization, i.e., Raman spectroscopy, electron paramagnetic resonance spectroscopy (EPR) of carbon materials and electrodes.
3. Responsible for electrochemical quartz crystal microbalance (EQCM), electrochemical dilatometry experiments.
4. Mentoring of Master/PhD students.
5. Data analysis and discussion.
6. Cooperation in writing, editing manuscripts and preparation of conference presentations.

NCN competition type: OPUS – ST

Deadline for application: 15 April 2026, 23:59

Form of application: e-mail

Terms and conditions of employment:

Employment under the research grant on the basis of a working contract for a period of 1 year from 1st June/July 2026 (starting date is negotiable). The basic salary is PLN 140 000 per year gross (before tax). A gross monthly salary is of about 8 600 PLN.

Application (in English) should be sent to: elzbieta.frackowiak@put.poznan.pl

The postdoc researcher will be selected by a commission, chaired by the PI of the project - Prof. Dr. Elżbieta Frąckowiak. After collecting applications, the commission will qualify candidates on the basis of submitted documents in accordance with the regulations for NCN competitions. Selected candidates will be notified individually by e-mail about the date of the interview. Candidates will be informed of the results of the competition by e-mail immediately after the competition is settled.

The selected postdoc researcher will receive scientific and organizational support; basic equipment and core facilities.

Required documents:

1. Document confirming doctoral degree.
2. Curriculum vitae, including a list of previous scientific achievements (e.g. publications, Hirsh index, no. of citations, patents, internships, fellowships, awards, skills, participation in workshops/conferences/projects, etc.).
3. Cover letter emphasizing details about research interests and motivation.
4. Recommendation letter.
5. Contact details of at least one senior researcher who can provide a reference for the candidate.
6. The candidate's statement (included in the CV) that he/she agrees to the processing of personal data, in accordance with Article 6(1)(a) of 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).

*According to National Science Center (NCN) requirements, only a person who obtained a doctoral degree no earlier than 12 years before the year of employment in the project may be admitted. This period may be extended by the time spent during this period on long-term (more than 90 days) documented sickness benefits or rehabilitation benefits due to inability to work. In addition, the number of months spent on leave for the care and upbringing of

children granted under the rules of the Labor Code may be added to this period, and in the case of women - 18 months for each born or adopted child, if this way of indicating breaks in the scientific career is more favorable.

In accordance with NCN requirements, a person may be admitted who has obtained a doctoral degree in an entity other than the Poznan University of Technology, or has completed at least 10 months of continuous and documented postdoctoral training in an entity other than the entity implementing the project and in a country other than the country in which the doctoral degree was obtained.

Announcement of the results: 30 April 2026

Additional information:

The administrator of your personal data is Poznan University of Technology, 1 Jacka Rychlewskiego St., 61-131 Poznan. The data you provide will not be processed for automated decision-making, including profiling.