

Project: *Dwuwymiarowa bio-platforma dla samowystarczalnego mikrobiomu - 2DMICRONET (A two-dimensional bio-platform for self-sustainable microbiome - 2DMICRONET)*

Principal Investigator: prof. Agnieszka Jastrzębska

Position in the Project: Student

Institution: Institute of Metrology and Biomedical Engineering, Faculty of Mechatronics,
Warsaw University of Technology

Requirements:

1. Student status in Engineering, Biomedical Engineering, or Mechatronics
2. Practical knowledge in the field of bio-engineering, in particular in the field of biomaterials.
6. Fluent spoken and written English.
7. Strong motivation and passion for scientific work both independently and as part of a team in an interdisciplinary environment,
8. Ability to creatively propose solutions to problems at hand, pay close attention to detail, and meet deadlines.
8. Very good soft skills towards efficient research teamwork.
9. The student should be enrolled and admitted to the stage of Bachelor's studies (Engineer).

General description of the project:

Warsaw University of Technology, Faculty of Mechatronics is conducting research under the Opus 23 grant entitled "A two-dimensional bio-platform for self-sustainable microbiome - 2DMICRONET", financed by the National Science Centre. The scientific goal of the project is to carry out fundamental investigations on MXene-based micro-domain networks, refining the scalable methods for their synthesis and engineering, and understand the microbiome co-operation within MXene-based 2D micro-domains. As part of the research tasks under the NCN project, **the holder of student scholarship position will be required to conduct scientific research, in particular, to prepare MXene-based biomaterials.** The recruited student will also participate in the preparation of scientific publications and dissemination of project results.

What we offer:

1. Scholarship contract and competitive remuneration package.
2. Work in a dynamic and competent scientific group with an excellent research environment and international cooperation, promoting publications in high-impact journals.
3. Financial support for scientific and conference attendance.
4. Encouragement and support in preparing grant applications and general career development.

Type of NCN Project: Opus 23 – ST.

Application deadline: 02.11.2026, 23:59.

Results available on 15.11.2026.

Submit documents to: agnieszka.jastrzebska@pw.edu.pl

Conditions of employment:

PhD scholarship total: 36 000 PLN.

Preferred time of starting position: 1st December 2026.

Additional information:

To apply, please send your application, including a motivation letter, CV with the list of your publications and achievements, Master's degree thesis, along with contact information for the scientific supervisor and other referees (if available), to the following e-mail address: agnieszka.jastrzebska@pw.edu.pl. Incomplete applications will not be considered. We thank all applicants for their interest; however, only selected candidates will be invited to interview. **Applications will be accepted until the position is filled with best candidate from the order agreed by the committee.** If the competition winner declines to sign the contract, we reserve the right to select the next best person from the ranking list.

RODO statement:

Due to the entry into force of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016, all candidates are requested to provide consent to the processing of his or her personal data by the institution which carries out the recruitment process. **Thus, please include in your application the following statement: "I hereby agree to the processing of my data included in the application documents by Warsaw University of Technology, Warsaw, Poland, to carry out the recruitment process."** Your personal data is processed on the basis of the Article 6 Part 1 Points (c) and (f) of the 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 (GDPR; Official Journal of the European Union L 119/1).