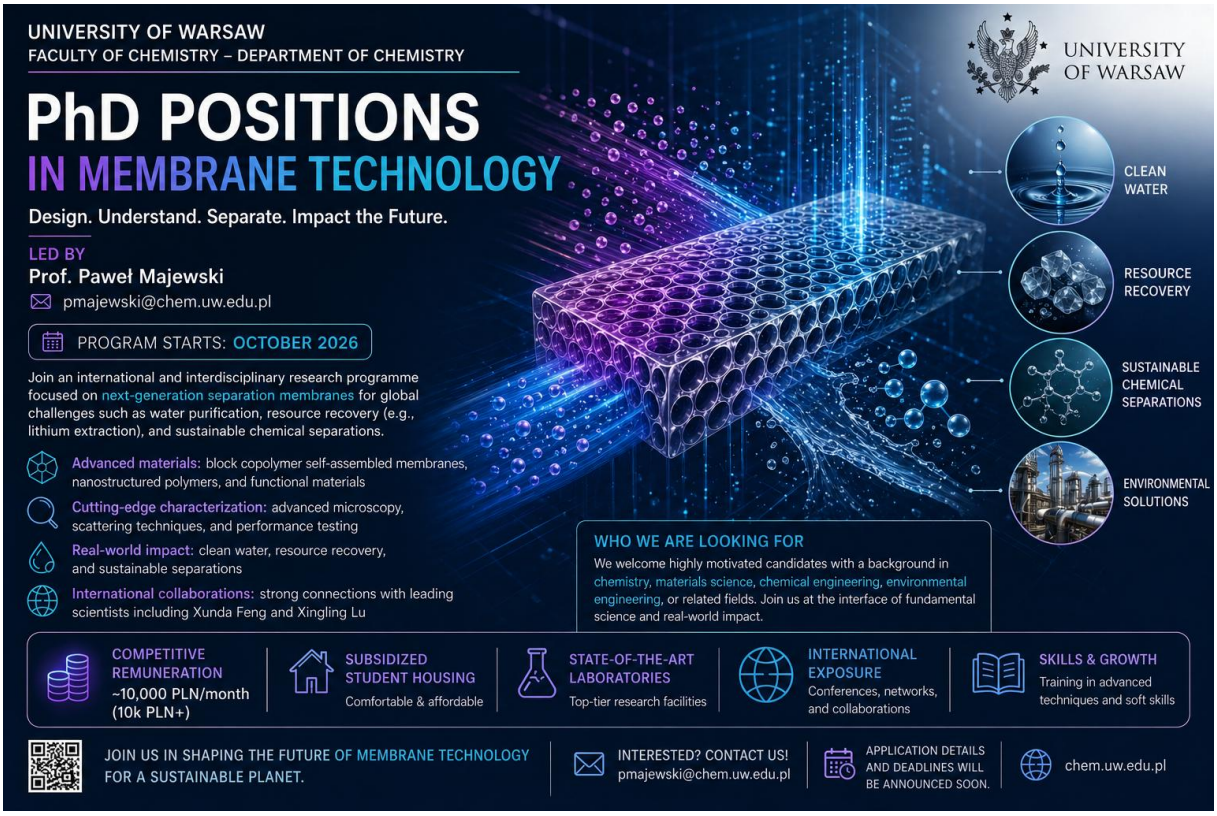
JOB OFFER FOR PHD STUDENT POSITION(S)

in research projects:

- **Opus 28: *"FUSION: Responsive ferronematic–polymer materials as ultrafast actuators and sensors"***

and

- **SHENG-4: *"Self-organizing flexible catalytic membranes with uniform pores for the removal of persistent organic pollutants from industrial wastewater: efficiency and mechanism"***



funded by

NARODOWE CENTRUM NAUKI

Project leader: Paweł W. Majewski

Are you interested in scientific work aimed at developing modern materials and technologies that can change our lives and solve real-world problems?

Do you enjoy building things, are you tired of purely theoretical learning, and not afraid of experimentation?

If you answered "yes" — an exciting opportunity awaits you in a dynamic research team at the Polymer Research Laboratory.

We study novel functional polymer materials used in membrane and sensing technologies. We collaborate with leading research centers in Poland, the USA, China, and Japan.

Interested candidates (including early-year students) are encouraged to contact us by email and visit our laboratory at the Biological and Chemical Research Centre, University of Warsaw, room 1.22 (first floor).

We do not discriminate! Applicants with backgrounds in chemistry, physics, materials science, and related fields are welcome.

MAJEWSKI RESEARCH GROUP

https://scholar.google.com/citations?hl=en&user=jnBuQzwAAAAJ&view_op=list_works&sortby=pubdate

Formal Information:

Employment conditions

PhD research conducted under the supervision of Dr. Paweł Majewski

Research location: Faculty of Chemistry, University of Warsaw

Żwirki i Wigury 101, 02-089 Warsaw, Poland

Contact:

Phone: +48 22 55 26211 (Dean's office), +48 22 55 26230 (administration)

Website: www.chem.uw.edu.pl

Email: pmajewski@chem.uw.edu.pl

Salary (up to 10,000 PLN/month):

- **Project scholarship (NCN): 5000 PLN/month**
- **Doctoral scholarship:**
- **Before mid-term evaluation (years 1–2): 4346 PLN gross/month**
- **After mid-term evaluation (years 3–4): 5500.50 PLN gross/month**

NOTE: Receiving the doctoral scholarship depends on admission to the Doctoral School of Exact and Natural Sciences.

Duration

- **Up to 48 months (NCN project)**
- **Evaluation after 12 months and mid-term review after 2 years**

Additional benefits

- **Subsidized housing by UW**
- **Funding for conference travel and presentations**
- **Funding for research visits with collaborators**
- **Support in applying for additional scholarships and external grants**

Requirements

- Admission (or eligibility) to the Doctoral School of Exact and Natural Sciences at the University of Warsaw (2026/2027 recruitment)
- Practical laboratory experience in synthesis or processing of polymers, nanomaterials, liquid crystals, or optical/membrane materials
- High motivation for scientific work
- Good English communication skills
- Programming skills in Python (preferred)

Responsibilities

- Systematic experimental work in a chemistry laboratory, documented in an electronic lab notebook
- Initial structural characterization of liquid-crystalline and membrane materials (X-ray scattering, microscopy, AFM)
- Development of plasma-assisted polymerization protocols and characterization of obtained polymers
- Fabrication and testing of hybrid ferronematic–polymer materials or catalytic separation membranes
- Assistance in building custom laboratory equipment, data acquisition, analysis, and visualization
- Support in preparing scientific publications and dissemination of results

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Required Documents

- CV
- Short motivation letter (max. 1 A4 page), including a brief discussion (with justification) of a scientific publication from the past year that impressed and inspired you
- Consent to the processing of personal data for recruitment purposes

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Application Deadline: **May 11, 2026**

Submit electronically to: **pmajewski@chem.uw.edu.pl**

NOTE: Early contact is strongly encouraged. Selected candidates will receive support in preparing the Individual Research Project required for doctoral school admission.

Selection Process: Applications will be evaluated by a selection committee in accordance with the regulations of the National Science Centre Poland for awarding research scholarships.The committee reserves the right not to select any candidate and to reopen the call if requirements are not met.