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Wydział Chemii



The Faculty of Chemistry at the University of Warsaw - a leading center of chemical sciences in Poland, recognized in Europe and worldwide, announces a competition

Position	assistant professor in a group of science positions (post-doc) People of all genders are invited to participate.
Project	NCN OPUS-29 (OSF reg. no.: 646959), entitled: "Advanced structural control and long-range organization of magnetic and magnetically doped nanoparticles in liquid crystal systems for adaptively tuned, multi-stimuli responsive reconfigurable materials" Project leader: Michał Wójcik
Research Fields	Chemical sciences
Researcher Profile	R2
Available positions	1
Competition no.	WCH.1210-12/26
Skills/Qualifications and Specific Requirements:	• a PhD degree in chemistry, physics, or a closely related field, with a strong emphasis on materials chemistry/engineering (required by the first day of work at the latest and gained outside University of Warsaw); • demonstrated expertise in the synthesis and physicochemical investigation of nanomaterials (e.g. nanoparticles, quantum dots, nanostructures), including hands-on experience with spectroscopic techniques (UV-VIS, steady-state and time-resolved fluorimetry, FT-IR); • experience in the study of self-organization and supramolecular systems and of stimuli-responsive (e.g. photoswitchable) properties; • familiarity with structural characterization of materials using X-ray (e.g. XRD, SAXS, WAXS) and/or microscopy (TEM, SEM, AFM) techniques; • good knowledge of English (at least B2 level); • team-working skills; • the candidate must meet the requirements of art. 113 of the Act – Law on Higher Education and Science of 20 July 2018 (Polish Journal of Laws of 2024, item 1571, as amended). Desirable (optional): • experience in the structural analysis of liquid-crystalline systems by SAXS/WAXS; • knowledge of chiroptical methods (circular dichroism, CPL) or polarizing microscopy; • experience in mentoring students / PhD candidates.
Assessment criteria:	• previous scientific achievements (including publications, awards); • professional experience relevant to the project (synthesis and physicochemical characterization of nanomaterials, spectroscopy, self-organization processes, and stimuli-responsive materials);
Main duties:	• supervising and mentoring a PhD candidate responsible for the synthesis and purification of nanoparticles; • planning and performing structural analyses of materials using advanced X-ray techniques (SAXS, WAXS); • designing and performing physicochemical analyses using spectral methods (FT-IR, UV-VIS, fluorimetry, polarizing microscopy); • coordinating and interpreting magnetic property tests (SQUID); • investigating self-organization and supramolecular interactions, and evaluating the thermotropic and photoswitchable properties of hybrid materials; • analyzing data and preparing scientific publications in collaboration with the project leader; disseminating results through conference presentations and

	publications. Position not related to activities covered by the protection of minors.
Benefits	▪ Employment under an employment contract on a full-time basis. Planned start of employment: [01.10.2026], for 12 months (with the possibility of extension), at the Faculty of Chemistry, University of Warsaw. ▪ Remuneration: 140 000,00 gross, gross. ▪ We offer opportunities for professional development and work in an interdisciplinary research team. ▪ During the period of employment at the University of Warsaw, the candidate will not draw remuneration from another employer under a contract of employment, including an employer based outside Poland.
Required documents	▪ Curriculum Vitae (CV), ▪ Motivation letter, ▪ Short description (½ page) of the candidate's most significant scientific achievement, ▪ List of publications, research internships, fellowships, awards, and involvement in research projects, ▪ Copy of PhD diploma, ▪ Scientific reference letter written by an experienced researcher.
Application Deadline	Please submit your application by e-mail to: mwojcik@chem.uw.edu.pl. Application deadline: [15.08.2026]. Please include information about accessibility needs in the recruitment process in your application if you have a disability or special needs.
Selection process	▪ We reserve the right to invite only selected candidates for an interview. ▪ Candidates will be informed at least 5 days in advance of the interview date. ▪ The results of the competition will be given by e-mail by [31.08.2026]. ▪ If a selected candidate resigns, the position may be offered to another candidate on the ranking list.
Additional comments	More information about the project: [Projekty finansowane przez NCN Narodowe Centrum Nauki]. Any questions should be directed to: mwojcik@chem.uw.edu.pl. Information about the processing of personal data for a job applicant at the University of Warsaw.

We adhere:

- [The policy of open, transparent and merit-based recruitment at the University of Warsaw](#)
- [The procedure for whistleblowers reporting cases of law violation at the University of Warsaw.](#)
- [University of Warsaw gender equality plan.](#)