

CeNT-46-2025

JOB OFFER

Position in the project:	Student
Laboratory:	Laboratory of Organic Electronics CeNT UW
Scientific discipline:	Chemistry
Keywords:	Organic Chemistry, Organic Electronics, Circularly Polarized Light, Nonlinear Optics, Spintronics
Job type (employment contract/stipend):	Stipend
Number of job offers:	1
Remuneration/stipend amount/month:	2500 PLN gross gross
Position starts on:	01.11.2025
Maximum period of contract/stipend agreement:	24 months
Institution:	Centre of New Technologies, University of Warsaw
Lead researcher:	Przemysław Gaweł
Project title:	Chiral Economical Solutions for Printable Polymer Materials in Electronics, Optoelectronics, and Spintronics (CHERMES)
FNP programme:	FirstTEAM FENG nr. FENG.02.02-IP.05-0055/24.
Project description:	The project will develop a low-cost, scalable pathway to chiral polymer layers for next-generation displays, ultrafast electro-optic modulators, and spintronics. Instead of expensive helicenes, we will use accessible sources of chirality, modified for improved conjugation. The materials will be studied (CPL, ECD, VCD), prepared for printing, and tested in prototype devices.
Key responsibilities include:	• Conducting synthesis and purification of polycyclic organic compounds. • Planning experiments, optimizing procedures, and troubleshooting laboratory issues. • Characterization of materials: NMR, MS, IR, UV-Vis, photoluminescence; chiral studies (ECD/VCD/CPL). • Preparing thin films and performing basic functional tests. • Analyzing data from various sources, drawing conclusions, and testing hypotheses. • Documenting results (ELN/FAIR), preparing reports and presentations. • Collaborating with national and international partners; participating in project meetings. • Contributing to publications/manuscripts and conference materials. • Maintaining order and safety in the laboratory; assisting with ordering reagents and materials.
Profile of candidates/requirements:	The competition is open for persons who meet the conditions specified in the Regulations for awarding scholarships providing assistance to Project scholarship holders under Measure 2.2. First team (FENG 2021-2027) of the Foundation for Polish Science.

	The candidate should have the status of a student of first or second cycle studies or equivalent in chemistry or a related discipline. Requirements: • Experience in the synthesis and analysis of organic functional materials. • Broad general knowledge of chemistry. • Good command of English, both spoken and written. • Ability to work in a team. • Willingness for self-development. • High motivation and strong interest in scientific research.
Required documents:	1. Cover letter 2. Current curriculum vitae 3. Document confirming the status of Student (to be provided before starting work in the project); 4. Signed information on the personal data processing. 5. Recommendation letter Before entering the competition, candidates are obliged to familiarise themselves with Internal Reporting Procedure.
We offer:	• Work in a young, fast-growing team with a culture of collaboration and mentoring. • Modern laboratories and state-of-the-art research facilities at CeNT UW. • Broad opportunities for scientific and personal development.
Please submit the following documents to	email: p.gawel@cent.uw.edu.pl with the email title: student First Team
Application deadline:	26.10.2025
Date of announcing the results:	29.10.2025
Method of notification about the results:	e-mail, CeNT UW website: https://cent.uw.edu.pl/job-offers/