

The announcement of recruitment for scientific positions on the website of the Institute of Organic Chemistry PAS

Name of the unit: Institute of Organic Chemistry of the Polish Academy of Sciences

Job title: Asystent/ PhD Student

Project/Grant title: program HORIZON.1.2 - Marie Skłodowska-Curie Actions (MSCA) konsorcjum ON-TRACT (OligoNucleotide Technologies for Rapid Advancement of Cancer Therapies) - Photochemical methods for the synthesis of bioconjugates

Number of positions available: 1

Researcher profile: R1

Job description:

In particular, the main tasks will involve:

- Design and multi-step synthesis of conjugate precursors
- Optimization of the photoconjugation process
- Bioconjugate synthesis
- Characterization of the obtained compounds

Aim:

Conventional bioconjugation methods often exhibit limited selectivity or require harsh reaction conditions. This PhD project aims to develop novel linkers for conjugate synthesis utilizing visible light. Particular attention will be focused on a photoconjugation method based on a red-light-induced click reaction. The developed methods will be applied to the synthesis of bioconjugates.

Envisaged job starting date: 01.10.2026

Offer:

- Full-time contract for 33 months, Salary EUR 3681.41 of gross gross/month (Basic Salary: EUR 2971.41 gross gross/month + Mobility Allowance: EUR 710 gross gross/month) paid from MSCA Programme Funds + a stipend after the end of the grant paid for 15 months in the amount of PLN 6500 gross gross/month according to the rules of the Warsaw PhD School in Natural and BioMedical Sciences
- **Benefits:** private medical care package, access to the dormitory
- **Career development opportunities:**
 - work in dynamic team,
 - access to research infrastructure,
 - professional development in the field of photocatalysis,
 - the possibility of further professional development at the IOC PAS

The successful candidate will be part of a highly experienced, multi-disciplinary team. She/He will have the possibility to broaden her/his knowledge and gain hands-on experience at the border between theory and experiment.

Requirements:

- ☐ **Eligibility:** Candidates can be of any nationality, but they must not have resided or carried out their main activity (work, studies, etc.) in Poland for more than 12 months in the 3 years immediately before the recruitment date. They must also be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree.
- ☐ A prerequisite for qualifying for the project is the status of being a student at a doctoral school (the interviews will be held on 24.06–3.07.2026; the deadline for submitting documents to the doctoral school is May 31, 2026, details are available on the website www.icho.edu.pl and <https://warsaw4phd.eu/>
- ☐ Master degree in chemistry;
- **required competences**
 - o experience in organic chemistry or related;
 - o other skills include analysis and interpretation of experimental data (NMR, MS, UV/Vis);
 - o demonstrated experience in research work will be an asset;
 - o good written and oral communication skills in English;
 - o Personal skills: strong motivation for scientific work, ambition, creativity, goal-orientation, responsibility, ability to work independently as well as in a group; excellent communications, organization and time management skills, willingness to learn, analytical thinking and critical problem solving skills;
- **desirable competences**
 - o excellent knowledge of organic chemistry and organometallic chemistry,
 - o data analysis and interpretation, especially in trouble shooting during the research;
 - o basic knowledge of rules and protocols valid in organic chemistry labs;

Candidate evaluation criteria:

- competences of candidates for specific tasks in a research project
- previous scientific achievements of candidates
- awards and distinctions of the candidate resulting from the conducted research
- language knowledge enabling conducting scientific research

List of required documents:

- scientific curriculum vitae, including a list of scientific achievements (scholarships, publications, conference presentations, etc.);
- motivation letter;
- one recommendation letter;

- a transcript of the grades/credits received; during the last stage of studies and grade point average.

Along with the required documents, please submit (or send a scan) a signed consent to the processing of personal data – template available below.

Deadline for submitting applications: 2026-05-31 23:59

Competition settlement date: 2026-07-07

The form of submitting applications: e-mail: rekrutacja@icho.edu.pl

Additional information:

Project manager: Dorota Gryko

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Secretariat

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ATTENTION! In the title of the e-mail, please enter "Recruitment – Dorota Gryko"

Candidates who are not PhD Students of the Doctoral School must take part in the recruitment process to the Warsaw-4-PhD Doctoral School!