

FORM FOR EMPLOYERS

INSTITUTION: Institute of Organic Chemistry of the Polish Academy of Sciences

CITY: Warsaw

POSITION: Postdoctoral researcher

DISCIPLINE: Chemistry, Applied chemistry, Computational chemistry, Heterogeneous catalysis, Homogeneous catalysis, Organic chemistry, Other, Reaction mechanisms and dynamics

POSTED: 15.09.2026

EXPIRES: 15.01.2027

WEBSITE: materialize.edu.pl

KEY WORDS: *organic optoelectronics, π -conjugated systems, photoredox catalysis, multicomponent synthesis, electrochemistry, CPL, supramolecular materials, (according to the subject of the research)*

Project/Grant title: "MATERIALIZE – Methodology and Synthesis Advancement To Empower Researchers In Advanced optoelectronic materials"

HORIZON-MSCA-2025-COFUND-01-01 MATERIALIZE 101260829

Number of positions available: 15

Researcher profile: R2

Description of tasks:

1. Design and execute an interdisciplinary research project aligned with the submitted proposal and aligned with the overarching scientific goal of the programme, which is the development of next-generation organic materials for optoelectronic applications or the novel methodology for their synthesis.
2. Collaborate closely with a mentor from IChO and a co-mentor from an international partner institution to guide project development and growth.
3. Contribute to training activities organised by the project, including the creation and implementation of the Career Development Plan (CDP), with the goal of advancing professional skills and their own career perspectives.
4. Participate in an international secondment to a research or industry organisation for a minimum of 3 months.

5. Disseminate research findings through publications in peer-reviewed journals, conference presentations, participation in scholarly networks and co-creating and spreading materials for the general public.

Envisaged job starting date: 01.08.2027

Offer:

Terms of employment: Full-time position, temporary contract for 36 months. The gross monthly salary:

- Basic salary: ~4 350 EUR gross monthly, (total funding*: 5 200 EUR)
- Mobility allowance: gross ~418 EUR (total funding*: 500 EUR),
- Family allowance (if applicable): gross ~334 EUR (total funding*: 400 EUR)

**Total funding includes the gross salary and employer social security contributions*

Benefits:

- Private medical care package;
- On-site guesthouse accommodation may be available for incoming researchers at the very beginning of the employment period (terms apply, depends on availability of places);
- Co-financed sports card programmes;
- Access to Social Funds (favourable loan schemes, vacation benefits, subsidies for sports and cultural activities, and childcare support)

Country specific benefits:

- 800+ allowance – additional state funded allowance of 800 PLN paid for each child up to the age of 18 (terms and conditions apply),
- 36 days of paid annual leave + around 12 additional days off in form of public holidays

Career development opportunities:

- Open access to state-of-the-art research infrastructure.
- Extensive training programme (three cross-institutional workshops and plus one industrial workshop and final scientific and career development conference) covering different areas (i.e.: intellectual property, innovation, team leadership, responsible research, and science communication) and personalised training budget for external workshops, courses, or conferences.
- Mentoring by PI from IChO PAN and from an Associated Partner institution.
- Intersectoral and international exposure: secondment opportunities in a non-academic or international academic setting of MATERIALIZE programme Associated Partners during employment period.
- Help of the programme team in preparing Career Development Plans.
- Strong institutional support: dedicated Project Officers, Welcome Centre, easily approachable HR Department, accounting, IT, and health and safety offices.
- Scientific independence.
- Supportive research environment at one of Poland's leading scientific institutes.

- The possibility of further professional development at the IOC PAS.

Please note that while certain chemical laboratory work may pose challenges for individuals with specific disabilities, we are pleased to offer research opportunities in computational domains. We encourage candidates with disabilities to apply with proposals in computational chemistry area research topics, which do not require laboratory work.

Requirements:

Mobility Rule: Candidates must not have conducted their main research activity or reside in the host country (Poland) for more than 12 months in the 36 months immediately prior to the deadline of the Call (including remote work for a legal entity established in Poland).

required competencies

Doctoral Degree: Applicants must hold a PhD by the call deadline in chemistry, physics, biology, or a related field or possess a formal document confirming the defence of a doctoral thesis before the deadline of the Call.

Candidate evaluation criteria:

All applications will be evaluated in two main areas: proposal evaluation (70%) and Candidate's professional experience and competencies (30%)

Proposal will be evaluated against 3 main criteria:

- Excellence,
- Impact,
- Implementation

Candidate's professional experience and competencies will be evaluated against 3 main criteria:

- Scientific record (quality of publications, patents, and involvement in research grants);
- Mobility and international experience (international experience, scientific exchanges, change of professional profile);
- Professional competencies (knowledge of techniques necessary to implement the project, management skills).

Second stage (Interview) evaluation criteria are as follows:

- Scientific knowledge (depth of knowledge in organic chemistry and understanding of the proposed research area);
- Presentation skills (clarity, structure, innovation, and scientific relevance of the presentation);
- Communication & interaction (ability to answer questions, communicate ideas, and demonstrate critical thinking).

Detailed evaluation criteria are described on the project website: materialize.edu.pl

The Interviews will be held in English.

List of required documents:

- a research proposal with a dedicated ethical self-assessment section prepared using the template provided on the project website materialize.edu.pl;
- a scientific CV listing publications, patents, and ongoing grants;
- a motivation letter;
- diplomas and certificates confirming qualifications (PhD title), completed courses, completed training, etc., those documents shall be issued in or translated into English language;
- consent to the processing of the Candidate's personal data for the purposes of the competition.

Optional documents:

- letters of recommendation from previous supervisors.

Along with the required documents, please submit (or send a scan) a signed consent to the processing of personal data available at: <https://www.icho.edu.pl/en/cooperations/career/>

Competition settlement date: 07.06.2027

Additional information:

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Secretariat

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Applications must be sent to e-mail address: materialize@icho.edu.pl

ATTENTION! In the title of the e-mail, please enter "Recruitment - Your Initials"

We are an open and inclusive employer – we encourage applications from all individuals, regardless of gender, origin, nationality, or minority background.

