

FORM FOR EMPLOYERS

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

CITY: Warsaw

POSITION: Post-doc

DISCIPLINE: Chemistry

POSTED: 04.03.2022

EXPIRES: 22.03.2022

WEBSITE: <https://www.icho.edu.pl/en/>

KEY WORDS: *organic synthesis, artificial intelligence, green chemistry, biocatalysis, degradation of organic compounds*

Project/Grant title: DEGRADATION OF HAZARDOUS CHEMICAL COMPOUNDS INTO VALUABLE BUILDING BLOCKS: FROM COMPUTER-PLANNED ROUTES TO EXPERIMENTAL VALIDATION

Number of positions available: 1

Researcher profile: R2

Job description: This project aims to address one important aspect of sustainable chemistry, namely, discovery of novel methodologies to convert hazardous or unwanted chemical waste into useful products. We will provide new strategies leading to valuable building blocks based on degradation protocols. Such multistep chemical and chemo-enzymatic pathways designed by the computer will be selected and executed in the laboratory.

- **Description of tasks:** Person employed in this position will be responsible for performing computational calculations, verification that pathways are novel (comparison with databases of published reactions), planning experiments, cultivation and harvesting of microorganisms relevant to biocatalytic steps, performing chemical and microbiological experiments in the chemical laboratory, analysis and identification of chemical compounds, analysis of obtained results, participation in the writing of manuscripts, presentation of project results.
- **Envisaged job starting date:** 15.04.2022

Offer:

- **Terms of employment:** salary including employer's costs 10 000 PLN per month (~ 8 300 PLN gross), full-time, 12 months contract with the possibility of extension
- **Benefits:** private medical care package
- **Career development opportunities:** publishing in high IF papers, work in a young, dynamically developing team, access to research infrastructure

Requirements:

- **required competences**
- PhD in chemical sciences (or related sciences) obtained no later than 7 years before hiring in the project (this period is extended by the duration of maternity/paternity leaves, according to National Science Center rules) or the expected date of obtaining the doctoral degree before starting work.
- Have high level of practical expertise in synthetic organic chemistry.
- Have an excellent general knowledge of organic chemistry.
- Communicate well in English in writing and in oral and visual presentations, and be able to write reports for publication in scientific journals.
- Scientific experience documented by publications in established journals;
- Be highly motivated and have a strong commitment to research.
- **desirable competences**
- Have high level of practical knowledge of analytical techniques - NMR, HPLC, GC, MS;
- Be creative, independent and responsible;

Candidate evaluation criteria:

- scientific achievements measured by the quality and quantity of scientific publications or granted/pending patents
- Candidate's professional experience
- creativity and independence in conducting research
- career mobility (research internships, work in industry, change of scientific profile)
- ability to work in a team
- awards or distinctions
- opinions about the Candidate contained in the letters of recommendation
- language knowledge enabling conducting scientific research
- general knowledge of organic chemistry

List of required documents:

- Candidate's *Curriculum Vitae*

- description of scientific achievements, including a list of publications, ongoing projects, etc.
- diplomas and certificates confirming qualifications, completed courses, completed training, etc.
- cover letter
- letters of recommendation and references from previous employers/supervisors
- consent to the processing of the Candidate's personal data for the purposes of the competition

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: 2022-04-05

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

Additional information:

Project manager: dr Anna Żądło-Dobrowolska

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Secretariat

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ATTENTION! In the title of the e-mail, please enter "Recruitment – Anna Zadło-Dobrowolska"