

IBCH PAS RECRUITMENT PROCEDURE NO. 2/2025/T
FOR THE POSITION: Senior Specialist Chemist or Informatician

INSTITUTION: Institute of Bioorganic Chemistry, PAS, Laboratory of Medicinal Chemistry
CITY: Poznań
POSITION: **Senior Specialist Chemist or Informatician**
POSITIONS AVAILABLE: 1
SCIENTIFIC DISCIPLINE: chemical or IT sciences
PUBLICATION DATE: 06.03.2025
APPLICATION DEADLINE: 06.04.2025
WEBSITE: <https://portal.ichb.pl/en>

KEY WORDS: Medicinal chemistry, "Hit to lead" – molecules optimization, Chemoinformatics, Bioinformatics, Data analysis, Machine learning, Artificial intelligence

Recruitment to Laboratory of Medicinal Chemistry. Head of the Laboratory: **Dr. Dorota Jakubczyk**, position available for period of one year with possibility of extension to permanent position.

We are a specialised Laboratory of Medicinal Chemistry within the Centre for Chemical Biology ERIC at IBCH PAS in Poznań, Poland. We provide expertise and services in the field of medicinal chemistry, including chemoinformatics, the chemical synthesis of bioactive molecules as well as biosynthesis, biocatalysis, semi-synthesis for compounds difficult to synthesise using classical synthetic chemistry, library design and "Hit to Lead" approach for molecule optimization. We want to expand our activities to include data analysis, supported by machine learning and artificial intelligence technologies. Through the Centre for Chemical Biology ERIC we are also an official partner site of the EU-OPENSOURCE-ERIC consortium, which collaborates with users worldwide to identify biologically active molecules and understand their mechanisms of action. Our websites: <https://portal.ichb.pl/laboratory-of-medicinal-chemistry/> and <https://chembio.pl/>

I. Requirements for the candidate:

1. Higher education in chemistry, informatics or related sciences.
2. Experience and knowledge of chemoinformatics in the context of a medicinal chemistry approach to drug discovery but bioinformatics expertise will be also considered.
3. Experience in data analysis, using machine learning tools (ML) and artificial intelligence (AI) is required.
4. Enthusiasm and willingness to learn new skills and take on new challenges.
5. Good command of English, both written and spoken.
6. Good communication and organizational skills, and the ability to work in a team.

II. We offer:

1. Full-time employment in a dynamically developing team. We will consider part-time position as well.
2. Participation in ambitious and innovative scientific research.
3. Professional development, including training in new technologies.
4. Employment for one year (with a three-month trial period), with the possibility of extension to a contract for a permanent position (in accordance with the principles of labour law). Attractive salary: PLN 11,000 - 12,000 PLN (gross) with the possibility of bonuses depending on the projects performed.

III. Your responsibilities:

1. Optimization of bioactive molecules using medicinal chemistry approach, including:
 - chemoinformatic analysis and design
 - multiparametric data analysis
2. Using machine learning (ML) and artificial intelligence (AI) tools for project tasks.
3. Participation in activities related to the functioning and development of the POL-OPENSOURCE Research Infrastructure, including:
 - creation and launch of the Laboratory of Synthetic Biology and Chemical Synthesis
 - development of protocols and standard operating procedures
 - maintaining the status of ICHB PAN in the EU-OS consortium
 - building competitiveness on the international market
4. Participation in specialist training.
5. Participation in project group meetings and reporting to the project manager and/or lab manager.
6. Participation in the creation of scientific publications.

IV. Applications must comprise:

1. Letter of application to the Director
2. Curriculum Vitae including previous education and employment.
3. Copy of the diploma from the university (confirmation of obtained title).
4. Cover letter containing a short description of previous experience, with justification of how this experience matches the requirements for this position.
5. At least one letter of recommendation and contact details of at least two reference persons.

V. Applications should be submitted via the eRecruiter portal:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=fb1665dd1db048bfb3e349736f03b90f>

VI. The deadline for submitting the application is **6th April 2025**.

VII. Employment shall take place in compliance with the provisions of the Labour Code of Poland.

VIII. During the recruitment procedure selected candidates may be invited to an interview. The call shall be closed by **7th of May 2025**.

Additional information can be obtained from the head of the Laboratory:

dr Dorota Jakubczyk

e-mail: djakubczyk@ibch.poznan.pl

Information clause:

Pursuant to the stipulations of the regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation), further referred to as GDPR, we hereby inform that:

- *The Institute of Bioorganic Chemistry, Polish Academy of Sciences, seated in Noskowskiego St. 12/14, 61-704 Poznan; REGON 000849327, NIP 777-00-02-062 is the administrator of the collected personal data (further referred to as the Institute).*
- *The Administrator appointed a Data Protection Officer, who can be contacted in writing, via traditional mail, by sending a letter to the following address: Z. Noskowskiego St. 12/14, 61-704 Poznan, or by sending an e-mail to: dpo@ibch.poznan.pl.*

- *The personal data of the candidates is processed for the purposes of fulfilling the tasks of the administrator, associated with conducting the recruitment procedure for a vacant position.*
- *The legal basis for processing personal data is the Act of 26 June 1974 – The Labor Code, Act of 30 April 2010 on the Polish Academy of Sciences or the consent of the person whose data shall be subjected to processing.*
- *Your personal data shall be subjected to processing for period of 3 months upon the date of decision of the recruitment committee. Following this period, the data will be irretrievably and effectively destroyed.*
- *The personal data of the candidates shall not be transferred to any third country.*
- *The person whose data shall be subjected to processing has the right to:*
 - *request access to his/her personal data, and to amend it or delete it, pursuant to articles 15-17 of GDPR;*
 - *limit data processing, in the events stipulated in article 18 of GDPR;*
 - *data transferring, pursuant to article 20 of GDPR;*
 - *withdraw consent at any moment, without influencing compliance with the law of the processing that was executed prior to consent withdrawal;*
 - *file a complaint to the Inspector General for Personal Data Protection.*

Providing personal data in the scope stipulated in article 22 (1) of the Act of 26 June 1974 – The Labor Code is mandatory, whereas providing data in a broader scope is voluntary and requires consent for its processing.

Protection for whistleblowers

In the case of reporting violations using a dedicated system for whistleblowers, the reporting person's data will be processed in accordance with applicable provisions on the protection of personal data, including the above-mentioned Regulation (EU 2016/679 of 27 April 2016). We ensure confidentiality and protection of the identity of reporting persons, and that their data will not be disclosed without their consent, unless the law provides otherwise.

Detailed rules regarding the protection of personal data and procedures for reporting violations of the law can be found in our Regulations on internal reporting at the Institute of Bioorganic Chemistry, Polish Academy of Sciences, available at the link: <https://portal.ichb.pl/wp-content/uploads/2024/10/INTERNALREPORTINGREGULATIONS.pdf>