INSTITUTE OF BIOORGANIC CHEMISTRY
Polish Academy of Sciences

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IBCH PAS RECRUITMENT PROCEDURE NO. 24/2021/SN
FOR THE POSITION OF A POSTDOCTORAL RESEARCH ASSISTANT

INSTITUTION:	Institute of Bioorganic Chemistry, Polish Academy of Sciences, Department of Structural Biology of Eukaryotes
CITY:	Poznan
POSITION:	assistant professor (post-doc)
POSITIONS AVAILABLE:	1
SCIENTIFIC DISCIPLINE:	chemistry, crystallography
PUBLICATION DATE:	**17 December 2021**
APPLICATION DEADLINE:	**17 January 2022**
WEBSITE:	https://portal.ibch.poznan.pl/homepage

KEY WORDS: asparaginase, leukemia, enzymes inhibitors, protein crystallography
Principal Investigator: Prof. Mariusz Jaskólski

Research topic: The aims of the project comprise full structural and functional characterization of selected novel Rhizobium-type asparaginases: the model enzymes from Rhizobium etli (ReAI and ReAII) and homologs of ReAII present in some pathogenic fungi. The results will elucidate the details of the catalytic mechanism probing the new enzymes as new antileukemic agents, with improved efficiency and minimized adverse side effects. This is, however, not the only potential of Rhizobium-type asparaginases. In the second lane of our research, we will be searching for their inhibitors, hoping to find promising compounds that could be developed into fungicides for combating pathogenic fungi of people and agricultural crops. Our research will significantly advance structural biology, biochemistry, enzymology, and pharmacology.

We offer the position of a PhD student within OPUS NSC research project OPUS 19 nr 2020/37/B/NZ1/03250 entitled: Novel L-asparaginases as potential therapeutic agents and antimicrobial targets: structural and functional studies of enzymes with dual implications for drug design, financed by the National Science Centre, Poland.

I. Requirements for the candidates:

1. A PhD degree in biochemistry, structural biology, crystallography or chemistry or related discipline.*
2. Capability of designing and executing biochemical experiments leading to the expression and purification of desired recombinant proteins.
3. Designing and carrying out protein biophysical experiments such as ITC.
4. Experience in macromolecular X-ray crystal structure determination.
5. Well-documented research output in the form of research papers.
6. Ability to make responsible decisions without supervision and adaptability to teamwork
7. Good command of English, enabling efficient communication and preparation of research papers.

*In accordance with the requirements of the National Science Center, only those candidates who received their PhD degree no earlier than 7 years prior to the date of employment within the research project, excluding parental or related leaves governed by the stipulations of the Labor Code, rehabilitation period associated with rehabilitation allowances or other rehabilitation benefits, are eligible for recruitment. In such cases, the aforementioned 7-year period shall be extended by additional 18 months for every descendant or adoptee. Female applicants may choose the way of justifying breaks in their research career, which is more favorable in a given case.
Pursuant to the regulations of the National Science Center, only candidates who obtained their PhD degree at an institution other than the Institute of Bioorganic Chemistry, PAS, are eligible for the position.

II. Job Responsibilities:

1. Leading role in biochemical and biophysical studies using Isothermal Titration Calorimetry (ITC), and also Circular Dichroism (CD), Micro-Scale Thermophoresis (MST), Bio-Layer Interferometry (BLI).
2. Leading role in enzyme kinetic experiments.
3. Participation in crystallization and data collection experiments.
4. Manuscript preparation.
5. Day-to-day supervision of the PhD student.

III. Required documents:

1. Cover letter of application to the Director of IBCH PAS featuring contact details to at least two referees.
2. Copy of the doctoral diploma.
3. CV featuring information on the candidate's scientific track record, including:
   - the list of papers published in journals listed in the Web of Science (WoS) database, stating the IF in accordance with WoS, number of citations and the H-index.
   - list of patents;
   - information on the previously managed projects or participation in project implementation;
   - information on the accomplished research internships;
   - information on the awarded prizes and distinctions.

IV. Applications should be submitted via the eRecruiter portal

https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=547e650852ab4202b3947c6eac550cd0

V. The submission deadline is January 17, 2022.

VI. Selection of candidates:

Following preliminary verification, on the basis of the application documents, selected candidates will be invited to an interview, as a result of which a candidate recommended for employment shall be appointed. The main criteria, taken into consideration during the selection of the candidates, will be: (i) research output (research papers published), (ii) compliance of the previous experience with the tasks planned within the framework of the project (in the following order: genetics, cancerous diseases, some other experience in molecular biology/biotechnology or computational biology), (iii) experience gained during a long-term, foreign internship.

VII. The recruitment procedure shall be concluded no later than on January 31, 2022.

VIII. Start and duration of the position.

Employment is available instantly (depending on the result of the recruitment procedure).The position is available for the period of 36 months. The estimated gross salary is ca. 8 300 PLN/month.

IX. Employment shall take place in compliance with the provisions of the Labor Code of Poland.

For more details, please contact:

Prof. Miroslaw Gilski

e-mail: mirek@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.