

**IBCH PAS RECRUITMENT PROCEDURE NO. 22/2020
FOR THE POSITION OF A POSTDOCTORAL RESEARCH ASSISTANT**

INSTITUTION: Institute of Bioorganic Chemistry, PAS
Laboratory of Structural Microbiology
CITY: Poznan
POSITION: Postdoctoral Research Assistant
POSITIONS AVAILABLE: 1
SCIENTIFIC DISCIPLINE: biological sciences, chemical sciences
PUBLICATION DATE: 30.10.2020.
APPLICATION DEADLINE: 30.11.2020
WEBSITE: <https://portal.ichb.pl/en>

KEY WORDS: cellular methylation reactions, antibiotic resistance, biocrystallography

You will join the project entitled “Inhibition of *S*-adenosyl-L-homocysteine hydrolase from *Pseudomonas aeruginosa* by targeting the enzyme dynamics”, which is carried out as the SONATA BIS 8 2018/30/E/NZ1/00729 grant of the Polish National Science Centre. The project focuses on new mechanism of *S*-adenosyl-L-homocysteine hydrolase inhibition based on targeting the enzyme dynamics. We foresee that targeting enzyme dynamics will be a promising strategy for the development of new inhibitors of *S*-adenosyl-L-homocysteine hydrolase of pathogenic origin. To develop new routes for enzyme inhibition through targeting the PaSAHase dynamics, a broad range of methods from the intersection of microbiology, cell biology, biophysics, biochemistry, crystallography and structural chemistry must be applied.

Principal Investigator: dr hab. Krzysztof Brzeziński

I. Requirements for the candidate:

1. Holds a doctoral degree/Ph.D. in biology, chemistry or related field.*
2. Gathered extensive experience in macromolecular crystallography and has publication record in international peer-reviewed journals, including at least one first-author paper. The candidate should especially have experience in the following aspects of biocrystallography:
 - a) crystallization of biological macromolecules,
 - b) crystal soaking with small molecule ligands, including high-throughput technics e.g. fragment-based screening by protein crystallography,
 - c) synchrotron X-ray diffraction data measurements,
 - d) structure solution and refinement,
 - e) structural analysis of macromolecular crystal structures, including protein – ligand complexes.
3. Has experience in biophysical methods for the investigation of protein – ligand interactions.
4. Has excellent written and oral communication skills in English.
5. High motivation and enthusiasm for experimental work.
6. Prior experience in microbiological studies would be a plus.

*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.

II. Job responsibilities:

1. Planning and conducting interdisciplinary experiments from the intersection of biophysics, biochemistry and biocrystallography to discover new class of selective inhibition of bacterial enzymes.
2. Interpret and prepare the research outcomes in the form of reports, seminars and manuscripts of publications.
3. Presenting the results at national and international conferences.
4. Supervising students.

III. Application must comprise:

1. Letter of application to the Director of IBCH PAS with a declaration that the Institute will be the candidate's primary place of work and consent to be counted in "N" figure of the Institute (each researcher in Poland must submit a declaration to be within "N" figure accounted to a selected research unit).
2. CV
3. Motivation letter with a brief description of research experience.
4. A copy of the PhD diploma.
5. Information on academic achievements, including:
 - a) list of publications with a number of citations excluding self-citations and H-index,
 - b) list of inventions, patents and implementations,
 - c) previously realized and/or led projects,
 - d) teaching experience.
6. Two letters of recommendation, at least one from a direct supervisor.

IV. Applications should be submitted via the eRecruiter portal:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=8bf32742bbf747d18e5d8933697adf71>

V. The deadline for submitting the application is 30.11.2020.**VI. During the recruitment procedure selected candidates may be invited to an interview (personally or remotely).****VII. The recruitment procedure shall be concluded no later than 21.12.2020.****VIII. Employment shall take place in compliance with the provisions of the Labor Code of Poland.****IX. We offer:**

1. Full employment contract for 2 years.
2. Monthly full remuneration cost approximately 10000 PLN (8350 PLN gross).
3. Work in the interdisciplinary research group in very well equipped laboratories including European synchrotron radiation facilities.
4. Possibility of participation in national and international conferences, courses, scientific trainings etc.
5. Preferable starting date is 01.01.2021.

For additional information please contact the Principal Investigator:

Dr hab. Krzysztof Brzeziński

e-mail: kbrzezinski@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.