

**IBCH PAS RECRUITMENT PROCEDURE NO. 22/2022/SN  
FOR THE POSITION OF A POSTDOCTORAL RESEARCH ASSISTANT**

INSTITUTION: Institute of Bioorganic Chemistry, Polish Academy of Sciences,  
Department of Genome Engineering  
CITY: Poznań  
POSITION: assistant professor (post-doc)  
POSITIONS AVAILABLE: 1  
SCIENTIFIC DISCIPLINE: biology  
PUBLICATION DATE: **October 13, 2022**  
APPLICATION DEADLINE: **December 13, 2022**  
WEBSITE: <https://portal.ibch.poznan.pl/homepage>

**KEY WORDS:** microsatellite sequences, CAG repeat instability, DNA repair, polyglutamine diseases,

**Principal Investigator: Marta Olejniczak, PhD, professor of IBCH PAS**

Website of Department of Genome Engineering: <https://portal.ichb.pl/department-of-genome-engineering/>

**Research topic:** Investigation of the mechanisms of short tandem repeats instability

Research will be carried out within the 2021/43/B/NZ2/01615 OPUS 22 project, entitled “**Searching for new therapeutic targets in polyglutamine diseases**”, funded by National Science Centre.

**Project description:**

The aim of this project is to better understand the mechanisms of CAG repeat instability and to identify new therapeutic targets that can be used for safe and controlled repeat shortening. We plan to achieve these goals through the following tasks: (1) identification of genes and cellular processes involved in CAG repeat instability, (2) validation of the participation of selected genes / pathways in the repeat instability process, (3) analysis of factors affecting CAG repeat instability (genetic context and cell type) and (4) controlled shortening of CAG repeats in a Huntington's disease mouse model.

ICHB PAN is one of the leading research units in Poland and conducts research activities in the field of chemistry, molecular biology and biomedicine. The Institute provides access to technologically advanced research equipment.

**I. Requirements for the candidate:**

1. A PhD degree in molecular biology, biochemistry, biotechnology, or related sciences\*.
2. Well-documented research output in the form of research papers published in recognizable research journals listed in the Web of Science database.
3. Good knowledge of molecular biology techniques and experience in working with cell cultures.
4. Experience in the application of genome editing techniques (CRISPR-Cas), methods of studying protein-nucleic acid interactions (chromatin immunoprecipitation), RNAi, WES, NGS and proteomic analyzes.
5. Knowledge of the basics of statistical analysis and knowledge of the R packages.
6. Experience in managing your own research projects is welcome
7. Very good work organization and strong motivation for scientific work.
8. Ability to work independently and cooperate in a team.
9. Very good command of spoken and written English

The offer is addressed to experienced scientists with at least a doctoral degree, to carry out research in the field of molecular biology in the context of human diseases, with particular emphasis on analyzes using various variants of the CRISPR-Cas system, DNA-protein interactions, proteomic analyzes, and in vivo studies in a mouse model.

\*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 those candidates are eligible for the position who obtained their PhD degree at an institution other than the Institute of Bioorganic Chemistry, PAS, or accomplished at least a 10-month long, continual and documented post-doctoral internship at an institution other than the host institution, in a country other than the country where the doctoral degree was conferred.

## II. Job Responsibilities:

1. Generation of genetic constructs and development of modified cell lines
2. Knock-down of selected genes with the use of RNA interference technology
3. Optimization and implementation of protocols for the analysis of DNA molecules and proteins
4. Regular presentation of the results at department seminars
5. Analysis of results and preparation of publication manuscripts.

## III. Required documents:

1. Letter of application to the Director of IBCH PAS with a statement confirming that the Institute shall be the candidate's primary place of employment.
2. Scientific CV including list of publications, patents, previous positions and managed projects.
3. Cover letter featuring information on the candidate's scientific background, achievements and contact details to three referees.
4. Copy of PhD diploma.

IV. Applications should be submitted via the eRecruiter portal:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=6ae2ad26f57b442dbaf8356d966f4820>

V. **The submission deadline is December 13, 2022.**

## VI. Selection of candidates:

Following preliminary verification, on the basis of the application documents, selected candidates will be invited for an interview, and based on the results of both stages of applicants evaluation, one candidate shall be appointed. The main criteria, taken into consideration during the selection of the candidates, will be: (i) research output in a form of published papers, (ii) experience necessary for the tasks planned within the framework of the project, (iii) former foreign fellowships and /or post-doctoral positions held.

**VII. The recruitment procedure shall be concluded no later than on December 30th, 2022.**

## VIII. Start and duration of the position.

Employment is available from January 2023 (depending on the result of the recruitment procedure).

The position is available for the period of 12 months with the possibility of contract extension. The gross salary allocated: approximately 8 150 PLN/month

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

**For more details, please contact:**

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**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.*