

**IBCH PAS RECRUITMENT PROCEDURE NO. 11/2025/SN
FOR THE POSITION OF A POSTDOCTORAL RESEARCH ASSISTANT**

INSTITUTION: Institute of Bioorganic Chemistry, PAS
CITY: Poznań
POSITION: Postdoctoral Research Assistant
POSITIONS AVAILABLE: 1
SCIENTIFIC DISCIPLINE: bioinformatics, computational biology
PUBLICATION DATE: 10/07/2025
APPLICATION DEADLINE: 10/08/2025
IBCH PAS WEBSITE: <https://portal.ichb.pl/en>

KEY WORDS: NGS data analysis, third generation sequencing, lncRNAs, zebrafish, genome annotation

You will join the project entitled “**Jump in with a splash: exploring long noncoding RNA import into mitochondria and its biological implications**” carried out as the OPUS 2024/53/B/NZ3/03975 grant of the Polish National Science Centre. The aim of this project is to generate a comprehensive map of all lncRNAs imported into mitochondria in mouse cells. We will analyze their sequence and structural features, genomic properties, and predicted functions using advanced computational approaches. Furthermore, we will investigate how mitochondrial lncRNA profiles change under stress conditions. By studying these dynamics, we hope to uncover novel roles of lncRNAs in mitochondrial function and cellular adaptation. Additionally, the project will explore interactions between mitochondria and other RNA types, offering a broader view of intracellular communication.

Principal Investigator: Dr. Barbara Uszczyńska-Ratajczak

I. Requirements for the candidates:

1. PhD in Bioinformatics, Computer Science or Life sciences related field.*
2. Experience in bioinformatics with Next Generation Sequencing.
3. Experience working with Git.
4. Has good working knowledge of Linux & intermediate programming skills, preferably Python and R.
5. Knowledge of Nextflow or Snakemake would be an advantage.
6. Excellent interpersonal skills, initiative and ability to work independently and in a high-performance team.
7. Professional working proficiency in English.

*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.

According to the NCN requirements, a person who has obtained a doctoral degree in an entity other than the Institute of Bioorganic Chemistry of the Polish Academy of Sciences or has completed at least 10 months of continuous and documented postdoctoral training in an entity other than the entity implementing the project and in a country other than the country in which the doctoral degree was obtained may be admitted.

II. Duties in project:

As a Postdoc: The person employed in the project will be responsible for developing and implementing bioinformatic methods to identify, annotate, and characterize lncRNAs potentially imported into mitochondria. This person will analyze transcriptomic and subcellular fractionation data. The candidate will also conduct evolutionary conservation analyses and compare nuclear and mitochondrial transcriptomes across species. Responsibilities will also include data visualization, results interpretation, and participation in the preparation of scientific publications.

III. Required documents:

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 at

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=d55d7907f02f4b298b5ceaf7bd45af22>

V. The deadline for submitting the application is 10/08/2025.

VI. During the recruitment procedure selected candidates may be invited to an interview (personally or remotely). The main criteria taken into account when selecting candidates will be: (i) scientific achievements (publications), (ii) compliance of previous experience with the research tasks planned within the project and (iii) experience gained during research internships.

VII. The recruitment procedure shall be concluded no later than 20/08/2025.

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

IX. We offer:

1. Full employment contract initially for 12 months with the possibility of contract extension.
2. Monthly full remuneration cost approximately 11667 PLN (9450 PLN gross).
3. Work in the interdisciplinary research environment spanning molecular and developmental biology, bioinformatics, genomics and transcriptomics.
4. Position with 100% focus on research (no teaching obligations).
5. Full technical, administrative and organizational support from professional English-speaking personnel.
6. Participation in courses, scientific training, support from peers, and academic mentoring.
7. Preferable starting date is 01/09/2025.

For additional information please contact the Principal Investigator:

Dr. Barbara Uszczynska-Ratajczak

e-mail: buszczynska@ichb.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>