

**IBCH PAS CALL FOR APPLICATIONS NO. 11/2023/SN
FOR THE POSTDOCTORAL POSITION**

INSTITUTION: Institute of Bioorganic Chemistry, Polish Academy of Sciences,
Department of RNA Metabolism
CITY: Poznan
POSITION: Post-doc
POSITIONS AVAILABLE: 1
SCIENTIFIC DISCIPLINE: molecular or medical biology, bioinformatics
PUBLICATION DATE: **21st June 2023**
APPLICATION DEADLINE: **30th July 2023**
WEBSITE: <https://portal.ibch.poznan.pl/homepage>

KEY WORDS: RNA, LINE-1 retrotransposons, post-transcriptional regulation of gene expression,
Principal Investigator: dr hab. Zbigniew Warkocki, prof. ICHB PAN

Research topic:

The Institute of Bioorganic Chemistry, Polish Academy of Sciences is one of the leading scientific units in Poland, located in the Poznan city centre. Its scientists conduct multi-faceted research at the interface of three sciences: biology, chemistry, and informatics to solve questions about synthesis, structure and function of nucleic acids, proteins and metabolites, as well as their mutual interactions.

Research in the Department of RNA Metabolism concentrates on molecular mechanisms of RNA metabolism in human cells with special emphasis on post-transcriptional processes. These are essential processes to maintain cell homeostasis, viability and proper function and thus for human health.

In our studies we use human model cell lines, surgical isolates, and methods of molecular and cellular biology, biochemistry, transcriptomics, and proteomics. The current project aims at investigation of routes of RNA metabolism regulation by enzymes post-transcriptionally modifying RNA sequence and structure and their impact on the biology of human LINE-1 retrotransposons^{1,2}. Specifically, we are interested in mRNA 5' and 3' ends, and cytometric, transcriptomic and potentially proteomic analyses of LINE-1.

1. Warkocki, Z. An update on post-transcriptional regulation of retrotransposons. *FEBS Letters* 597 (3), 380-406 (2023).
2. Warkocki, Z., Krawczyk, P., Adamska, D., Bijata, K., Garcia-Perez, J.L., Dziembowski, A. Uridylation by TUT4/7 Restricts Retrotransposition of Human LINE-1s. *Cell* 174, 1537-1548.e29 (2018).

We offer the position of a post-doc within Narodowe Centrum Nauki project OPUS nr 2019/33/B/NZ1/02260 entitled: Deciphering the role of LINE-1 mRNA 5'3 and 3' ends in the biology of the retrotransposon

I. Requirements for the candidates:

1. A PhD degree in molecular or medical biology, bioinformatics or a related discipline.*
2. Capability of performing bioinformatics analyses (transcriptomics) and willingness to develop new skills OR a good command of molecular and cellular biology, or biochemistry techniques including e.g. flow cytometry and sorting, RNA isolation from frozen surgical materials, simultaneous handling of multiple libraries for high-throughput NGS or third generation sequencing
3. At least a basic knowledge of the topics of the project and good understanding of molecular biology.
4. 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 have NOT been employed under an employment contract at the Institute of Bioorganic Chemistry, PAS, within 2 years prior to the planned employment date, are eligible for employment under this call for applications.

II. Job Responsibilities:

1. Designing and performing molecular and cellular biology experiments and/or bioinformatics analyses.
2. Analyzing and visualizing data and results of experiments.
3. Preparing monthly progress reports, preparation of presentations and manuscripts.
4. Day-to-day supervision of PhD student and/or a technician.
5. Abiding by health-and-safety regulations, good laboratory practice and scientific work ethics.

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 (if applicable);
 - information on the previously managed projects or participation in project implementation;
 - information on the accomplished research internships;
 - information on the awarded prizes and distinctions.
4. A motivation letter can be added.

IV. Applications should be submitted via the eRecruiter portal

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=d8279a61ee1f4828bc587a77703fd83e>

V. **The submission deadline is 30th July 2023.**

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 till 28th August 2023.

VIII. Start and duration of the position.

Employment is available instantly (depending on the result of the recruitment procedure). The position is available for 6 months with a possibility of an extension. The gross salary is ca. 8 350 PLN/month (6500-6700 PLN net).

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

For more details, please contact: Zbigniew Warkocki, zwarkocki@ibch.poznan.pl, @Zbig_Warkocki

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.