INSTITUTE OF BIOORGANIC CHEMISTRY
Polish Academy of Sciences

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IBCH PAS RECRUITMENT PROCEDURE NO. 25/2024/SN FOR THE POSITION OF A POSTDOCTORAL RESEARCHER

INSTITUTION:	Institute of Bioorganic Chemistry, Polish Academy of Sciences, Department of Molecular and Systems Biology
CITY:	Poznan
POSITION:	Post-doc
POSITIONS AVAILABLE:	1
SCIENTIFIC DISCIPLINE:	molecular or medical biology, bioinformatics
PUBLICATION DATE:	**8 November 2024**
APPLICATION DEADLINE:	**10 December 2024**
WEBSITE:	https://portal.ibch.poznan.pl/homepage

KEY WORDS: RNA, LINE-1 retrotransposons, post-transcriptional regulation of gene expression,

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.

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[1,2,3,4]. Specifically, we are interested in mRNA 5' and 3' ends, cytometric, transcriptomic and proteomic analyses of LINE-1 and other RNAs of interest.

1. Warkocki, Z. An update on post-transcriptional regulation of retrotransposons. FEBS Letters 597 (3), 380-406 (2023). doi: 10.1002/1873-3468.14551
2. Warkocki, Z., Krawczyk, P., Adamska, D., Bijata, K., Garcia-Perez, JL., Dziembowski, A. *Uridylation by TUT4/7 Restricts Retrotransposition of Human LINE-1s.* Cell 174, 1537-1548.e29 (2018). doi: 10.1016/j.cell.2018.07.022
3. Janecki, D., Sen, R., Szóstak, N., Kajdasz, A., Kordyś, M., Plawgo, K., Pandakov, D., Philips, A., Warkocki, Z. *LINE-1 mRNA 3' end dynamics shape its biology and retrotransposition potential*. Nucleic Acids Res. (2024) doi: 10.1093/nar/gkad1251
4. Łabno A, Warkocki Z, Kuliński T, Krawczyk PS, Bijata K, Tomecki R, Dziembowski A. *Perlman syndrome nuclease DIS3L2 controls cytoplasmic non-coding RNAs and provides surveillance pathway for maturing snRNAs.* Nucleic Acids Res. (2016) 44(21):10437-10453. doi: 10.1093/nar/gkw649.

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. Experience in performing bioinformatics analyses (transcriptomics) and/or experience in molecular and cellular biology, or biochemistry
3. At least 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 obtained their PhD degree at an institution other than the Institute of Bioorganic Chemistry, PAS, are eligible for the position.

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 a 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 referees.
2. Copy of the doctoral diploma.
3. CV featuring information on the candidate's scientific track record, including list of papers and managed projects or participation in project implementation
4. A motivation letter can be added.

IV. Applications should be submitted via the eRecruiter portal:

https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=41e123b63c7a4186b585144b07e7f7fd

V. The submission deadline is 10 December 2024.

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 30 December 2024.

VIII. Start and duration of the position.

The position is available for 6 months and is to be taken by the beginning of January 2024 at the latest. The gross salary is ca. 8 350 PLN/month (6500-6700 PLN net)) and if consent is obtained from the National Science Center can be increased by 1000 PLN net, for candidates with significant experience and track record in the project's topics.

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.

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