

IBCH PAS RECRUITMENT PROCEDURE NO. 2/2021/SN
FOR A POST-DOCTORAL POSITION

INSTITUTION: Institute of Bioorganic Chemistry, PAS
Department of RNA Metabolism
CITY: Poznan
TYPE OF POSITION: Post-doc
POSITIONS AVAILABLE: 1
SCIENTIFIC DISCIPLINE: bioinformatics, computational biology, transcriptomics
DATE OF PUBLICATION: January 29th, 2021
DEADLINE FOR APPLICATIONS: February 28th, 2021
WEBSITE: <http://www.ibch.poznan.pl>
<https://portal.ichb.pl/en/zaklad-metabolizmu-rna-en>

KEY WORDS: post-transcriptional regulation of gene expression, uridylation, RNA metabolism

The Institute of Bioorganic Chemistry, Polish Academy of Sciences is one of the leading scientific units in Poland. Its scientists conduct multi-faceted research at the interface of three sciences: chemistry, biology 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 and methods of molecular and cellular biology, biochemistry, proteomics and transcriptomics. The current project aims at investigation of routes of RNA metabolism regulation by terminal uridylyltransferases, enzymes that add non-templated uridines to cellular RNA 3' ends^{1,2,3}.

1. Warkocki, Z., Terminal nucleotidyl transferases (TENTs) in mammalian RNA metabolism. *Philos. Trans. R. Soc. B Biol. Sci.* 373, 20180162 (2018) <https://doi.org/10.1098/rstb.2018.0162>.
2. Warkocki, Z. et al. Uridylation by TUT4/7 Restricts Retrotransposition of Human LINE-1s. *Cell* 174, 1537-1548.e29 (2018) <https://doi.org/10.1016/j.cell.2018.07.022>.
3. Łabno, A., Warkocki, Z., Kuliński, T., Krawczyk, P.S., Bijata, K., Tomecki, R., and Dziembowski, A. Perlman syndrome nuclease DIS3L2 controls cytoplasmic non-coding RNAs and provides surveillance pathway for maturing snRNAs. *Nucleic Acids Research* 44, 10437–10453. PMID: 27431325 (2016). <https://doi.org/10.1093/nar/gkw649>

I. Requirements for the candidates:

1. A PhD degree or equivalent degree in bioinformatics, molecular biology or related sciences*;
2. Fluency in bioinformatics methods in analyzing high-throughput transcriptomic data;
3. Knowledge or willingness to learn and apply ONT Nanopore sequencing;
4. Knowledge and understanding of biology and at least basic knowledge on the topic related subjects

*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 duties:

1. Reading papers, getting fluent in the research topic, staying up-to-date with newest discoveries and methodology;
2. Designing and performing custom bioinformatics and statistical analyses;
3. Visualization of the results of the analyses and their interpretation
4. Preparing reports, presentations and manuscripts.
5. Obeying health and safety regulations, good laboratory practice and ethics rules

III. Application requirements:

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 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.

In addition, depending on the candidate's track record, the application may contain:

- list of additional papers;
 - list of patents;
 - information on the previously managed projects or participation in project implementation;
 - information on the accomplished research internships;
 - information on the awarded prizes and distinctions.
3. Copy of the doctoral diploma.
 4. A motivation letter can be attached specifying reasons to join the project and expectations
 5. A recommendation letter from a direct supervisor and contact details of other potential referees.

IV. Applications must be submitted via the eRecruiter portal, using the link below:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=8fde90c008b2439db7fd8fa9a1fb57c0>

V. The submission deadline is **February 28th, 2021**

VI. 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) compliance of the previous experience with the tasks planned within the framework of the project, (ii) research output (research papers published, scientific activity), (iii) previous scientific experience.

VII. The recruitment procedure shall be concluded until **March 18th, 2021**.

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

Position is currently open.

Employment period is 6-12 months.

The scheduled gross salary is ca. 7250 PLN.

For further details, please contact the Principal Investigator:

Dr hab. Zbigniew Warkocki, prof. ICHB
e-mail: zwarkocki@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.