

IBCH PAS RECRUITMENT PROCEDURE NO. 21/2020
FOR THE POSITION OF A POSTDOCTORAL RESEARCH ASSISTANT

INSTITUTION: Institute of Bioorganic Chemistry, PAS,
Department of Non-coding RNAs
CITY: Poznań
POSITION: Postdoctoral Research Assistant
POSITIONS AVAILABLE: 1
SCIENTIFIC DISCIPLINE: biological sciences
PUBLICATION DATE: 13.10.2020
APPLICATION DEADLINE: 10.11.2020 r.
WEBSITE: <https://portal.ichb.pl/en>

KEY WORDS: RNA biology, molecular biology, neurobiology, systems biology, transcriptomics, RNA-seq, non-coding RNAs

Recruitment under the project **NAWA Polish Returns 2019**, entitled: **Deciphering networks of regulatory RNAs in the central nervous system**, financed by the Polish National Agency for Academic Exchange, PI: **dr. Monika Piwecka**, implementation 2019-2023.

We are a young and dynamically developing research group interested in how non-coding RNAs affect the regulation of gene expression and molecular processes in neurons and glial cells in the brain and the neuroendocrine system. Our research is focused on circular RNAs, microRNAs and some of the long non-coding RNAs. To this end, we combine the forces of molecular, cellular and systems biology along with neurobiology. We use new technologies such as single-cell RNA sequencing (scRNA-seq), single-molecule RNA imaging, and loss-of-function studies based on CRISPR-Cas13 technology. We develop new methods of studying RNA-protein interactions, as well as use traditional methods of molecular and cell biology, biochemistry, transcriptomics and proteomics. Our website: <https://portal.ichb.pl/en/zaklad-niekodujacych-rna-en-2>. The project is carried out in cooperation with renowned research institutes in Poland and Germany.

I. Requirements for the candidate:

1. Holds a doctoral degree/Ph.D. in molecular biology, bioinformatics, biotechnology, biochemistry or related field.
2. Gathered extensive scientific experience as documented in publication record in peer-reviewed journals (including first author paper) and conference presentations.
3. Has excellent knowledge of molecular biology.
4. Has knowledge of transcriptomic tools.
5. Has enthusiasm for experimental work and *in silico* data analysis, passion for science.
6. Has excellent communication and writing skills (English).
7. Prior experience in RNA biology, with RNA-seq techniques, in particular single-cell RNA seq and / or high-throughput proteomic analyses will be of advantage but not mandatory.

8. Shows readiness to learn new skills and take challenges, has ability to work independently and think analytically.

9. Mobility and research experience abroad will be of advantage but not mandatory.

II. Job Responsibilities:

- lead the project devoted to application of scRNA-seq for non-coding RNAs detection and analysis, conducting experiments and preparation libraries for sequencing and data analysis,
- validation of the results using molecular and cellular biology methods,
- proteomic data analysis from RNA pull-down experiments,
- record, interpret and prepare the research outcomes in the form of seminars, figures, manuscripts of publication,
- presenting the results at national and international conferences as well as internal seminars,
- developing independent ideas and projects are welcome!

III. We offer:

- Work in a young and dynamically developing research group,
- High impact research project,
- Full time employment contract,
- Gross salary: ca. 8 700 PLN/month, note that costs of living in Poland are very favorable,
- Employment until the end of project implementation,
- Position with 100% focus on research (no teaching obligations),
- Benefits including membership in MultiSport programme,
- Participation in courses, scientific training, international collaborations, conferences, etc.

IV. Applications must comprise:

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. A detailed CV, including:
 - a brief description of candidate's research experience,
 - a list of conference presentations,
 - information on the previously realized and/or led projects,
 - information on the research internships, fellowships, etc.,
 - most frequently applied techniques,
 - list of publication (including number of citations) and the H-index,
 - list of patents,
 - information on the awarded prizes and distinctions.
3. A copy of the PhD diploma.
4. The abstract of candidate's PhD thesis.
5. A motivation letter, including a brief description of past research experience, scientific interests as well as it should outline how you match the criteria for the post and why you are applying for this role.

6. Two letters of recommendation, including one from a direct supervisor.

V. Applications should be submitted via the eRecruiter portal:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=d130b0fcd0e5411f83b95a6ec9bd53>

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VI. The deadline for submitting the application is **November 10, 2020**.

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

VIII. During the recruitment procedure selected candidates may be invited to an interview. The call shall be closed by **November 25, 2020**.

Additional information can be obtained from the principal investigator:

dr Monika Piwecka

e-mail: monika.piwecka@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.