



The Institute of Biochemistry and Biophysics of the Polish Academy of Sciences in Warsaw is looking for a post to implement the OPUS research project entitled "Modification and action of non-coding RNA" funded by the National Science Center.

Keywords: non-coding RNA, RNA polymerase, epigenetics

Institution: Institute of Biochemistry and Biophysics of the Polish Academy of Sciences; Laboratory of Non-coding RNA and Genome Rearrangements

Type of post: post-doc / assistant

Domain: molecular biology

Type of contract: fixed-term full time employment

Number of job offers: 1

Remuneration: ~ PLN 8,000 gross

Employment period: 12 months (extension is possible)

Date of commencement of work: Directly after recruitment (negotiable)

Name and surname of the project head: Dr. Jacek K. Nowak

Project title: "Modification and action of non-coding RNA"

Project description:

The overall goal of the project is to understand the mechanisms associated with the synthesis, modification and role of non-coding transcripts using the ciliate *Paramecium tetraurelia* as a model organism. *Paramecium* is a complex unicellular eukaryote in which the entire genome is transcribed during meiosis and give rise to different classes of short and long ncRNAs that are implicated in the epigenetic regulation of developmental genome remodeling. The key question that we address here is which factors are required for production of mature ncRNA and execution of their biological role in eukaryotes? We have already identified a few elongation factors that are specific for non-coding transcription (Maliszewska-Olejniczak et al. 2015, PLOS Genetics; Gruchota et al. 2017, NAR; Owsian et al. 2022, NAR). The current project will involve studies of protein associated with posttranscriptional modifications of RNA (polyadenylation, splicing) - including poly(A) polymerase, polyA-binding and cap-binding proteins as well as factors facilitating homologous pairing with target sequences.



Expectations towards candidates:

1. Doctorate in the field of biology, biotechnology, molecular biology, biophysics, biochemistry.
2. Practical and theoretical knowledge of molecular biology and biochemistry.
3. Demonstrated skills in RNA biology or next generation sequencing methods or protein purification or ciliate research will be an asset.

List of documents:

1. Documentation of the doctoral degree (doctorate cannot be older than 7 years)
2. CV
3. cover letter
4. contact or letter of recommendation from the previous employer or doctorate supervisor

The evaluation of candidates consists of:

1. In the first stage the Selection Committee, composed of Project Manager and two independent researchers from IBB PAN) will select eligible candidates. We reserve the right to contact selected candidates.
2. In the second stage the candidates will be interviewed by the Selection Committee. The candidate will be asked to briefly present his or hers CV and outline one main scientific project, which will be then discussed in more detail with the Selection Committee. During the meeting the candidate will be free to inquire about details concerning the project.

Contact for formal and informal inquiries: jknowak@ibb.waw.pl

Deadline for submitting applications: Review of applications will begin on 23rd April 2023, and continue until the position is filled.

Please include the following consent to process personal data (applications not including this statement will not be processed for legal reasons):

„Wyrażam zgodę na przetwarzanie moich danych osobowych dla potrzeb niezbędnych do realizacji procesu rekrutacji zgodnie z Ustawą z dnia 29 sierpnia 1997 r. o ochronie danych osobowych (Dz. U. z 2016 r. poz. 922 z późn. zm.)”