



Job ID: #JOB 14/2022

Job Description

Job Title: Post-doc in experimental biophysics

Job Summary:

The postdoctoral researcher will join the Laboratory of Biological Physics at the Institute of Physics, Polish Academy of Sciences, to be involved in the research project entitled “Studies of interactions and dynamics of intrinsically disordered proteins in crucial biological processes - biophysical perspective including single molecule approach”. The candidate will perform both wet-lab experiments as well as spectroscopic and microscopic studies focused on properties and interactions of poly(A)-specific ribonuclease (PARN).

Job Description:

The project has an interdisciplinary character. PARN is the key deadenylase during embryogenesis and early development, and play a fundamental role in telomere metabolism. The 3' deadenylase activity of PARN depends on the mRNA 5' cap. PARN is a homodimer with three domains and an intrinsically disordered C-terminal fragment in each monomer. The C-terminal IDR constitutes significant part of the protein and contains a nuclear localization signal. Understanding structural dynamics and interactions of this multidomain, partly unstructured protein is hence a scientific challenge. The goals of the project are: (i) to study the structural dynamics of the full length protein; (ii) to verify a hypothesis of a circular mRNA bound by a single PARN molecule, (iii) to study NLS properties. The methodological approach will be based mainly on experimental methods of molecular biophysics (fluorescence spectroscopy, confocal microscopy, AFM, HDX MS), complemented by biochemical tests.

Requirements:

- PhD degree in one of the following disciplines: biophysics, physics, molecular biology, biochemistry or biotechnology, obtained no earlier than seven years before the opening date of the call (excluding parental leaves);
- Passing courses both in physics and biology at academic level;
- Previous experience documented by publications;
- Strong interest in molecular biophysics, ability to work in an interdisciplinary team;
- Experience with experimental techniques in biophysics and/or molecular biology;
- Good command of spoken and written English;
- Diligence, intellectual curiosity, teamwork skills, taking responsibility for assigned tasks, reliability, creativity, analytical thinking, consistency in achieving results, ability to work under the pressure of time.

Main research field: Physics

Sub Research Field: Biophysics

Career Stage: Experienced researcher or 4-10 yrs (Post-Doc)

Research Profile ([details](#)): Recognised Researcher (R2)

Type of Contract: Temporary (May 2022 - April 2023 with possibility of prolongation up to 17 months)

Status: Full-time

Salary: Approximately 8300 PLN per month (before ~ 30% taxes, exact amount depends slightly on applicable social security contributions).

Contact

More information can be obtained from Dr. Anna Niedźwiecka

(e-mail: annan@ifpan.edu.pl)

<http://www.ifpan.edu.pl/SL-4/index.php?group=niedzwiecka>

Application details

Application deadline: May 15th, 2022 Applications sent after the deadline will not be considered.

Required materials:

- Curriculum Vitae
- List of publications
- Motivation letter
- Contact data (e-mail) to at least two potential referees.
- If applicable - documents confirming scientific stays in foreign institutions (foreign relative to the country of your doctoral degree).
- Consent to process your personal data (expressed on the form attached to this announcement)
- Certificate of obtaining a doctorate issued by an institution recognised in Poland. In the case of institutions not recognised in Poland, the doctorate will have to be nostrified before employment.
- Copy of other documents showing the grades obtained in physics and biology courses at academic level (e.g. from undergraduate studies)

All materials should be submitted in electronic form to the address:

rekrutacja@ifpan.edu.pl with Job ID in the subject.

DATA PROCESSING UNDER CONSENT FOR THE PURPOSES OF RECRUITMENT

Under Art. 13 sections 1 and 2 of the Regulation of the European Parliament and of the Council (EU) 2016/679 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 Resolution), EU OJ L 119 of 04.05.2016, page 1, as amended, hereinafter referred to as "GDPR", we hereby inform as follows:

1. The Data Controller of the provided personal data is the Institute of Physics of the Polish Academy of Sciences, Al. Lotników 32/46, 02-668 Warsaw, phone (22) 116-2111, e-mail director@ifpan.edu.pl.
2. Contact details to the Data Protection Officer are as follows: e-mail iodo@ifpan.edu.pl
3. Your personal data shall be processed for the purpose of carrying out the recruitment process for the position of POST-DOC.
4. Processing of your personal data in scope of: full name, date of birth, correspondence address, information about education and course of past employment shall take place under Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code. In the scope in which you sent to us more personal data than indicated above, we process your data under the consent granted by you.
5. Your personal data shall be stored for 1 month from completion of the recruitment process. If you grant consent for processing of personal data for future recruitments, we shall process your data until withdrawal of the consent by you, however, no longer than for the period of 6 months from the day of submittal of the application by you.
6. Provision of the abovementioned data in the scope indicated above is a statutory requirement resulting from Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code, in the remaining scope it is voluntary. Failure to provide the data referred to in Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code precludes consideration of your candidacy for the offered position.
7. You have the right to access your personal data, to rectify them, erase them, restrict their processing.
8. You may submit a complaint to the Inspector General for the Protection of Personal Data.
9. You have the right to withdraw the consent to process your personal data in the scope in which they were provided at any time. Withdrawing the consent does not affect the lawfulness of processing carried out on the basis of consent before its withdrawal.

Consent content:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents for the purpose of carrying out the recruitment process for the position of POST-DOC.

If you want us to consider your candidacy also in the future recruitment processes, please grant the additional consent:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents in future recruitment processes taking place during 6 months from the day of appearance of this job advertisement.