

FORM FOR EMPLOYERS

INSTITUTION Łukasiewicz PORT – Polish Center for Technology Development

CITY Wrocław

POSITION Post Doc

DISCIPLINE **Neuroscience**

POSTED 13.01.2025

EXPIRES 31.01.2025

WEBSITE <https://port.lukasiewicz.gov.pl/kariera/oferty-pracy/>

Łukasiewicz PORT – Polish Center for Technology Development is a modern and dynamically developing Research Institute within the Łukasiewicz Research Network. It focuses on development of new technologies, resulting from basic and applied research which, in turn, serve as a basis for innovative solutions for the industry. The scientific branch of Łukasiewicz-PORT encompasses three Centers: Life Science and Biotechnology, Material Sciences and Population Diagnostics, backed by specialized core facilities and excellent infrastructure that supports high quality research

Currently we are looking for an enthusiastic:

POST DOC (Senior Specialist – Research Engineer)

to join the project funded by the National Science Center (NCN) SONATA BIS grant 2021/42/E/NZ3/00439 “Identification of novel disease modifiers in Huntington’s disease: neuro-glia interactions in the patient-derived multidimensional model”. The project will be led by Dr Agnieszka Krzyżosiak. This post is an exciting opportunity to become a part of a young and dedicated research group that investigates the molecular mechanisms of neurodegeneration. The position is a replacement for a one-year fixed term, with the potential for extension.

Neurodegenerative diseases (NDDs) are devastating, age-related disorders that despite substantial efforts remain with no cure. In our work we implement the cutting-edge approaches in order to advance our understanding of the molecular bases of neurodegeneration and propose novel treatment strategies.

The deposition of misfolding-prone proteins is a common feature of NDDs and consistent evidence points to the deregulation of protein quality control (PQC) in NDDs. We have previously shown the beneficial effect of boosting the PQC in preventing protein misfolding (Das, Krzyżosiak et al. 2015, Science; Krzyżosiak, Sigurdardottir et al. 2018, Cell). Building on that, our aim is to systematically explore molecular components of the PQC pathway and exploit their potential of modifying cellular pathology of NDDs.

In your role, you will implement advanced tools and use them in search of novel therapeutic targets for Huntington’s disease.

Key responsibilities:

- Development, implementation and daily maintenance of cellular models;
- Designing and undertaking experiments as well as analyzing and interpreting data;
- Reporting to your group leader;
- Drafting research articles and presenting at conferences;
- Maintaining high-quality lab notes;
- Communication and interactions within the team;
- Bringing ideas to address the questions of the project.

Academic qualifications:

- A PhD in neuroscience, cell biology, molecular biology or a related discipline, or
- Doctoral studies due to complete within 6 months of applying.

Technical skills and expertise:*Essential:*

- Hands-on experience in establishing and/or maintenance of cell culture;
- Hands-on experience with molecular biology techniques;
- Ability to work independently and also capability of interacting within a group;
- Commitment, creativity and motivation;
- Very good work organization skills;
- Excellent communication skills in English.

Desirable:

- Experience in reprogramming and differentiation of human cells;
- Experience with pharmacological and/or genetic approaches;
- International training or work experience;
- Previous experience in studying neurodegeneration and/or protein quality control will be an asset.

Additional requirements:

The candidate must meet the requirements of NCN project Regulations, particularly:

The candidate must have obtained a doctoral degree not earlier than 7 years before the year of starting the employment in the project. This period does not include breaks related to maternity leave, paternity leave, parental leave or period of receiving sickness/rehabilitation allowance.

For more information regarding the post-doc role requirements in NCN project check here: (<https://ncn.gov.pl/finansowanie-nauki/faq/realizacja-projektow>)

Our offer:

- A full-time contract;
- Competitive salary and social benefits (co-financing of private medical care, sport activities, etc);
- State-of-the-art infrastructure, modern, well-equipped laboratories and access to core facilities;
- Participation in international conferences and workshops;
- Interactions with international collaborators;

- 36 days of annual leave.

If you are interested, please apply (CV & motivation letter) via the below link:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=86b1e7dcd2a74565bdcc8899fa53230e>

Application deadline: 31.01.2025

We kindly inform you that the controller of your personal data is Network Institute operating under the name of Łukasiewicz Research Network – PORT Polish Center for Technology Development, Stabłowicka 147, 54-066 Wrocław, Poland. The data contained in job application will be processed for the purposes of the current recruitment process, and – if the consent is given – for the purposes of future recruitment. We kindly inform you about your right to access your data and correct it, as well as your right to withdraw your consent to data processing at any time without the impact on the compliance with the law of the processing performed on the grounds of consent given before withdrawal thereof. Providing personal information is voluntary.

More information on the protection of personal data: <https://port.org.pl/en/career/data-protection/>

Information about candidates applying for the above role is public information in the scope covered by the requirements specified in the recruitment announcement. Information on the result of the recruitment process, including the job position for which the recruitment was carried out, the name or names and surname of the selected candidate and his place of residence within the meaning of the provisions of the Act of 23 April 1964 – Civil Code as well as the justification of the candidate's selection or not employing any the candidate will be made public in accordance with the Act of February 21, 2019 on the Łukasiewicz Research Network.

We kindly inform you that we will contact only selected candidates.