FORM FOR EMPLOYERS

INSTITUTION Łukasiewicz Research Network – PORT Polish Center for Technology Development

CITY Wrocław

POSITION **Research Engineer (postdoc) in Neurodegeneration Mechanism Research Group**

POSTED **17.02.2026**

EXPIRES **02.03.2026**

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

Łukasiewicz Research Network – PORT Polish Center for Technology Development is a Research Institute within the Łukasiewicz Research Network. It focuses on development of new technologies, resulting from basic and applied research, which, in turn, serves as a basis for innovative solutions for the industry. With high-class specialists and state-of-the-art infrastructure, we provide capacity for the most advanced research. Our Institute consists of three research centers – Life Sciences & Biotechnology Center, Materials Science & Engineering Center and Center for Population Diagnostics, with access to specialized core laboratories – a combination, which allows to carry out both, scientific research and pilot studies for the industry in a comprehensive manner.

We currently seek applicants for Research Engineer (postdoc) in Neurodegeneration Mechanism Research Group

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 four Centers: Life Sciences and Biotechnology, Material Sciences, Population Diagnostics and the Independent Department P4Health, backed by specialized core facilities and excellent infrastructure that supports high quality research.

We are looking for an ambitious and passionate Postdoctoral fellow to join the research group of Dr Agnieszka Krzyżosiak in a project funded by the National Science Centre (NCN) OPUS 29 grant 2025/57/B/NZ5/04944 "Identification of age-related traces of Amyotrophic Lateral Sclerosis as a basis for the search for novel disease modifiers". The position offers an exciting opportunity to contribute to a dedicated research team investigating key questions in neurodegeneration. **A post-doc position is a full-time position planned by the project manager for a person who has obtained a doctoral degree in the year of employment in the project or in the 12 years prior to January 1st of the year of employment in the project.**

Neurodegenerative diseases (NDDs) are devastating, age-related disorders that, despite substantial research efforts, remain largely incurable. Our work employs cutting-edge approaches to advance understanding of the molecular mechanisms of neurodegeneration, with the ultimate aim of proposing novel therapeutic strategies.

The deposition of misfolding-prone proteins is a hallmark of NDDs and consistent evidence points to the dysregulation of protein quality control (PQC) in neurodegenerative pathogenesis. We have previously demonstrated that boosting the PQC can be beneficial in preventing protein misfolding as well as ameliorating neurodegenerative phenotypes (Das, Krzyzosiak et al. 2015, Science; Krzyzosiak, Sigurdardottir et al. 2018, Cell). Building on these findings, our aim is to systematically investigate the molecular components of PQC pathways and to exploit their potential to modify NDD-associated cellular pathology. In parallel, we examine the contribution of glial cells to neurodegenerative disease progression.

In your role, you will use cell reprogramming methods and implement the state-of-the-art human model systems to investigate the origin and progression of the Amyotrophic Lateral Sclerosis pathology.

Major responsibilities:

- Development, implementation and daily maintenance of human 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

Expectations:

- Academic qualifications:
- A PhD in neuroscience, cell biology, molecular biology or a related discipline

Technical skills and expertise:

Essential:

- Excellent skills 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:

- Hands-on experience in reprogramming 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
- Experience with bioinformatics tools will be a plus

We offer:

- A full-time contract
- Co-financing for private medical care.
- Co-financing for a sports card.
- Possibility to join group life insurance.
- Co-financing under the Social Benefits Fund (for holidays and Christmas).
- State-of-the-art infrastructure, modern, well-equipped laboratories and access to core facilities
- Participation in international conferences and workshops
- Interactions with international collaborators
- A friendly, inspiring, interdisciplinary environment

If you are interested, please apply via the link below:

https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=f9f63e67bc1544dbb4f6312e72adbb70

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.lukasiewicz.gov.pl/en/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.