Job Advertiser Form

INSTITUTION: **The Łukasiewicz Research Network – PORT (Polish Centre for Technology Development)**

CITY: **Wrocław, Poland**

POSITION : **Process Engineer in Neurodegeneration Group in P4Health- Center of Excellence in Precise Phenotyping and BioDataBanking for Personalized Brain Health K/M**

DATE OF ANNOUNCEMENT: **22.07.2026**

DEADLINE FOR APPLICATIONS: **04.08.2026**

LINK TO THE WEBSITE: https://port.lukasiewicz.gov.pl/

The Łukasiewicz Research Network – PORT (Polish Centre for Technology Development) is a research institute within the Łukasiewicz Research Network. It focuses on the development of new technologies by conducting research for the needs of and in collaboration with industry. With our team of high-calibre specialists and state-of-the-art infrastructure, we are able to carry out the most advanced scientific research. Our Institute comprises three research centres – the Centre for Life Sciences & Biotechnology, the Centre for Materials Engineering and the Centre for Population Diagnostics – all of which have access to specialist laboratories. This combination enables us to carry out both scientific research and pilot studies for industry in a comprehensive manner.

We are currently seeking candidates for the position of:

Process Engineer in Neurodegeneration in P4Health- Center of Excellence in Precise Phenotyping and BioDataBanking for Personalized Brain Health K/M

P4Health: Center of Excellence in Precise Phenotyping and BioDataBanking for Personalised Brain Health.

Project is carried out within the **MAB/IRA** programme of the Foundation for Polish Science.

The **P4Health Centre of Excellence** is an interdisciplinary initiative focused on advancing Predictive, Preventive, Personalized, and Participatory (P4) approaches in health and medicine. Within the IRAP framework, the project's scientific goal is to discover and validate novel therapeutic concepts aimed at counteracting symptoms of brain disorders associated with astrocyte pathology. The applied research programme is designed to deliver a detailed understanding of the mechanisms of astrocyte dysfunction and its impact on neuronal networks, building on the complementary expertise of a team with a strong publication record in reputable journals and proven experience in identifying nervous system pathomechanisms and developing prototype drug candidates. Project outcomes will be protected as intellectual property and will provide a foundation for translation through clinical studies and appropriate commercialisation pathways.

P4Health's key features:

• Interdisciplinary centre advancing P4 approaches in health and medicine
• Applied, mechanism-driven research focused on astrocyte dysfunction and its effects on neuronal networks
• Strong scientific track record demonstrated through high-quality publications and prior discoveries in

nervous system pathomechanisms
• Translation-oriented strategy, from concept validation to clinical studies and commercialisation
• Systematic protection and management of intellectual property to support downstream implementation

Position description:

The P4Health Center of Excellence, established at Łukasiewicz–PORT under the Horizon Europe Teaming for Excellence programme, is an interdisciplinary initiative dedicated to advancing P4 medicine through the integration of cutting-edge technologies, human tissue analysis, disease modelling, systems biology and advanced data analytics. Its mission is to improve the understanding, diagnosis, and treatment of complex diseases, with a particular focus on brain diseases and cancer.

We are currently seeking a Process Engineer to support the development and day-to-day activities of the P4Health's Platform of Functional Validation in Disease Models, led by Dr Agnieszka Krzyżosiak.

The Platform develops and applies advanced human and animal disease models to functionally validate novel therapeutic targets, evaluate innovative therapeutic strategies and identify disease biomarkers. Its research is centered on human in vitro models generated through cellular reprogramming, complemented by in vivo mouse models. The Platform constitutes one of the key scientific pillars of P4Health, integrating advanced disease modelling with molecular and cellular technologies to support interdisciplinary research and accelerate the translation of scientific discoveries into precision medicine.

Key responsibilities include:

- Establish, maintain and perform quality control on human cell cultures, including stable cell lines, primary fibroblasts, induced pluripotent stem cells (iPSCs) and differentiated cell models.
- Conduct behavioral and molecular experiments using mouse models.
- Perform routine molecular and cellular biology techniques, including nucleic acid and protein isolation, PCR/qPCR, immunostaining, Western blotting, microscopy, flow cytometry, lentivirus production cell banking and other assays as required.
- Prepare reagents, cell culture media, laboratory buffers and other experimental materials.
- Assist in the implementation, optimization, standardization and validation of experimental protocols and standard operating procedures (SOPs).
- Maintain accurate experimental records and ensure proper documentation of laboratory procedures, sample tracking and data management.
- Monitor, maintain and calibrate laboratory equipment and coordinate servicing and troubleshooting when required.
- Manage laboratory inventories, procurement of consumables and reagents and interactions with suppliers.
- Ensure compliance with laboratory quality standards, biosafety regulations and good laboratory practices, maintaining a safe and well-organized working environment.
- Contribute to the continuous improvement of laboratory organization, workflows and operational efficiency.
- Support the successful execution of interdisciplinary research projects within the P4Health Centre of Excellence.

Profile of candidates/requirements:

- MSc degree in molecular biology, biotechnology, cell biology, neuroscience, biomedicine or a related life sciences discipline.
- At least 2 years of hands-on laboratory experience in molecular biology, cellular biology or mouse studies.
- Practical experience in mammalian cell culture, including aseptic techniques and maintenance of human cell lines would be a plus.
- Experience with common molecular and cellular biology techniques, such as PCR/qPCR, immunostaining, Western blotting, microscopy or flow cytometry.
- Ability to organize and perform laboratory work while maintaining high scientific and technical standards.
- Strong organizational skills, attention to detail and excellent record-keeping practices.
- Experience in maintaining laboratory equipment, inventory management and procurement of laboratory consumables would be an asset.
- Ability to work effectively as part of a multidisciplinary and international research team.
- Excellent communication and interpersonal skills.
- Good command of spoken and written English sufficient for working in an international research environment.
- Motivation to contribute to the development of an innovative research center focused on translational biomedical research.

We encourage applications from candidates of all nationalities, genders and backgrounds.

Required documents:

1. CV.
2. Cover letter.
3. Contact information, including e-mail address and phone number
4. The candidates may include additional information or copies of documents/certificates in support of the application

Remuneration: 8250-9500 PLN gross

We offer:

- Full-time employment contract (1,0 FTE)
- Integration into the newly founded P4Health Center of Excellence, with strong institutional support
- Opportunity to collaborate with an experienced scientific team, with structured support for scientific and career development.Co-financing of private medical care.
- Co-financing of a sports and wellness card.
- Option to enrol in group life insurance.
- Co-financing through the Social Benefits Fund (including holiday and Christmas benefits).
- Work in a modern, green science campus environment.
- Free on-site parking.

If you are interested, please submit your application via the link below:

https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=a7911fc7f56c47a7b482c6913c1480c1

Please be advised that the controller of your personal data is the Network Institute operating under the name Łukasiewicz Research Network – PORT Polish Centre for Technology Development, ul. Stabłowicka 147, 54-066 Wrocław. The data contained in the application documents will be processed for the purposes necessary for the recruitment process and also – if consent is given – for the purposes of future recruitment. We would like to inform you of your right to access and rectify your data, as well as your right to withdraw consent to the processing of your data, without affecting the processing carried out prior to the withdrawal of consent. The provision of personal data is voluntary. For more information on the protection of personal data: https://port.lukasiewicz.gov.pl/ochrona-danych/

Information about candidates who apply for the recruitment process constitutes public information to the extent covered by the requirements specified in the recruitment notice. Information regarding the outcome of the recruitment process, including the job title for which the recruitment was conducted, the first name or first names and surname of the selected candidate and their place of residence within the meaning of the provisions of the Act of 23 April 1964 – Civil Code, as well as the reasons for the selection of the candidate or for not appointing any candidate, will be made public in accordance with the requirements of the Act of 21 February 2019 on the Łukasiewicz Research Network.

Please note that we will only contact successful candidates.