

FORMULARZ DLA OGŁOSZENIODAWCÓW

INSTITUTION: Sieć Badawcza Łukasiewicz – PORT Polski Ośrodek Rozwoju Technologii

CITY: Wrocław

STANOWISKO: Postdoctoral Fellow in systems neuroscience in P4Health - Center of Excellence in Precise Phenotyping and BioDataBanking for Personalised Brain Health K/M

DATE OF ANNOUNCEMENT: **07.04.2026**

DEADLINE FOR APPLICATIONS: **20.04.2026**

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:

Postdoctoral Fellow in systems neuroscience in P4Health - Center of Excellence in Precise Phenotyping and BioDataBanking for Personalised 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:

A position is available in the Laboratory of Astrocytes Biology, led by Dr. Michał Ślęzak. The group focuses on neuro-glia interactions related to neuropsychiatric phenotypes. Our interdisciplinary research aims to identify cell-autonomous pathways for better understanding of trait-specific neuropathologies and to propose novel therapeutic targets.

Previously, we have combined from brain region- and cell-specific genetic manipulation followed by behavioral and functional readouts and identified circuit-specific responses of astrocytes to neurotransmission and its behaviorally-relevant modulation.

We are looking for an enthusiastic researcher to broaden our think-tank with his expertise in monitoring functional processes in vivo upon targeted genetic manipulation. The ideal candidate has a strong motivation to perform translational research in neuroscience, presents deep background knowledge in molecular mechanisms of brain disorders, supported by a track record of publications, and is capable of independent and creative thinking.

The position is intended for a person holding a doctoral degree for no longer than 5 years, who participates in the project as a Research Team Leader. The 5-year period is counted from the year of obtaining the doctoral degree. This period begins with the annual data of obtaining the degree, and ends with the year preceding the completion date, which may occur through a competition. The 5-year period may be extended to include any interrupted periods of research work occurring after obtaining the degree, provided that the interruption lasts no less than 6 months.

Key responsibilities include:

- Designing and implementation of projects to resolve the contribution of individual genes to molecular and physiological phenotypes related to neuropsychiatric disorders
- Active contribution to collaborative project across teams within our Center, as well as joined initiatives with external academic and industrial partners
- Data analysis, interpretation, visualization and integration
- Keeping an industry-standard work documentation
- Preparation of scientific articles and conference presentations
- Communication with the interdisciplinary team of researchers
- Grant writing, development of novel academic and industrial collaborations

Profile of candidates/requirements::

We invite applications from scientists who have:

- A PhD in biological, medical, veterinary or related sciences (or confirmation that you are in the final year of a PhD programme)
- Experience working with animals and FELASA certification,
- Experience in monitoring the effects of targeted genetic interventions (e.g. stereotactic surgery) on behavioural profiles (e.g. analysis using DLC) or functional changes (e.g. in vivo imaging using 1- and 2-photon microscopy or electrophysiological recordings)
- Proficiency in using data analysis tools (e.g. Excel, GraphPad Prism, R, Python).
- Experience in applying appropriate statistical methods, compiling data sets, and preparing reports and presentations of results.

- Excellent organisational skills.
- Very good command of English.

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

Required documents:

1. CV including list of publications.
2. Cover letter including motivation to join P4Health.
3. Copy of PhD diploma (or thesis title and expected date of defense) .
4. Contact information, including e-mail address and phone number .
5. The candidates may include additional information or copies of documents/certificates in support of the application.

Remuneration: 10000-14000 PLN gross

We offer:

- Full-time employment contract (1,0 FTE)
- Opportunity to collaborate with an experienced scientific team, with structured support for scientific and career development.
- Possibility to contribute to high-quality scientific publications and to engage in activities supporting the commercialisation of research outcomes.
- 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=deb64cc66d0043ab9cdab80d30c9cf4b>

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.