

FORM FOR EMPLOYERS

INSTITUTION: Łukasiewicz Research Network – PORT Polish Center for Technology Development

CITY: Wrocław

POSITION: Mass Spectrometry Expert – Center of Excellence in Precise Phenotyping and BioDataBanking for Personalised Brain Health

POSTED: 27.10.2026

EXPIRES: 26.11.2026

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 **Mass Spectrometry Expert – Center of Excellence in Precise Phenotyping and BioDataBanking for Personalised Brain Health**

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.

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

Main research objectives/job description:

As part of the Centre's rapidly expanding Bioanalytics Platform, we are seeking an experienced Expert LC-MS/MS Scientist to strengthen our capabilities in proteomics and metabolomics. The successful candidate will play a leading role in developing advanced mass spectrometry-based analytical workflows supporting multidisciplinary research projects in neuroscience, oncology, immunology, precision medicine, and biomarker discovery. The position offers a unique opportunity to contribute to the establishment of a world-class analytical infrastructure while collaborating with internationally recognised researchers and clinical partners.

Major responsibilities:

1. Conducting qualitative and quantitative analyses using LC-MS/MS, with a primary focus on proteomics and metabolomics research, including:
 - Preparation of biological and environmental samples and operation of LC-MS/MS instrumentation,
 - Processing, interpretation, and reporting of complex LC-MS/MS datasets,
 - Development, optimization, transfer, and validation of analytical workflows and methods.
2. Ensuring the optimal performance of LC-MS/MS instrumentation through routine maintenance, troubleshooting, calibration, and implementation of quality control procedures.
3. Contributing to the development and implementation of innovative analytical approaches and research methodologies in the fields of proteomics and metabolomics.
4. Collaborating with multidisciplinary research teams on national and international research projects and research and development (R&D) activities.
5. Keeping abreast of the latest scientific and technological developments in proteomics and metabolomics, with a particular focus on mass spectrometry-based methodologies.

Expectations:

- PhD in Chemistry, Biology, Biochemistry, Biotechnology, or a related scientific discipline.
- At least 5 years of hands-on experience with LC-MS/MS instrumentation (including high-resolution mass spectrometry platforms) in a research, academic, or industrial environment.
- Strong expertise in liquid chromatography and mass spectrometry techniques.
- Proven ability to interpret mass spectra and analyze complex datasets, including proficiency in software platforms such as Xcalibur, Proteome Discoverer, Compound Discoverer, PEAKS, and LabSolutions Insight.

- Demonstrated experience in analytical method development, optimization, transfer, and validation.
- Strong scientific background in proteomics and metabolomics applications.
- Proficiency in English sufficient for working with technical documentation, scientific publications, and international research collaborations.
- Excellent organizational skills, attention to detail, and the ability to work independently as well as within multidisciplinary teams.

Preferred Qualifications:

- Scientific publication record in the fields of proteomics, metabolomics, analytical chemistry, or related disciplines.
- Experience in collaborative research projects involving academia, industry, or research institutes.

Remuneration 26 000,00 PLN gross

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

Required documents:

1. CV.
2. Cover letter .
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.

We offer:

- Full-time employment contract (1,0 FTE)
- Integration into the newly founded P4Health Center of Excellence
- Participation in international conferences and workshops
- 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 apply via the link below:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=a9595fbb28ce440ab302f7345c7922d2>

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.

Website for additional job details: <https://p4health.eu/>

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