



Open position: Head of Bioinformatics service facility

Employer: Institute of Physiology of the Czech Academy of Sciences

Location: Prague, Czech Republic (European Union)

Salary: 2 600 Euro/month (~65 000 CZK) + up to 5 weeks of paid vacation

Closing date: 31 August 2025

Website: <https://fgu.cas.cz/en/> <https://github.com/IPHYS-Bioinformatics>

The Institute of Physiology of the Czech Academy of Sciences (IPHYS) is one of the leading biomedical research institutions in the Czech Republic. We seek a dynamic head of the Bioinformatics service lab to lead our new core facility. This role combines technical expertise, strategic leadership, and collaboration to drive high-quality bioinformatics services. Ideal candidates are proactive leaders passionate about advancing computational biology infrastructure.

Key Responsibilities:

Leadership & Operations

- Oversee a team of bioinformaticians, ensuring efficient delivery of core services and fostering professional growth.
- Manage daily operations of the service lab, including user consultations, data analysis, and publication-ready figure generation.
- Collaborate with core facilities in metabolomics, proteomics, and bioimaging.
- Collaborate with Data steward to align bioinformatics workflows with institutional informatics strategies.

Research & Development

- Design, implement, and optimize bioinformatics pipelines for multi-omics data (metabolomics, lipidomics, proteomics, (spatial) transcriptomics).
- Support translational research projects by integrating clinical data with omics datasets.
- Lead independent or collaborative research initiatives (optional).

Service Delivery

- Provide statistical analysis and experimental design guidance for internal users.
- Develop training programs and workshops to enhance internal users' proficiency in bioinformatics tools and AI.

Qualifications:

Essential

- PhD (preferred) or MSc in Bioinformatics, Computational Biology, or a related field.
- Orientation in biology and physiology within the research areas of IPHYS.
- Proficiency in Python; familiarity with R.
- Demonstrated experience via GitHub repositories or open-source contributions.
- Hands-on expertise in clinical or large-scale omics data analysis.
- Fluency in English and strong communication skills for interdisciplinary collaborations.

Desirable

- Knowledge of machine learning applications in bioinformatics.
- Familiarity with regulatory standards (e.g., FAIR data, OpenScience, ISO standards).

We offer:

- Flexible home office
- Fixed-term employment contract with the possibility of extension.
- Stable background of a public research institution.
- Interesting work in a creative academic environment (biomedical research).
- The start date is negotiable.
- 5 weeks of vacation + 3 days of sick leave.
- Access to on-site childcare (Molekula children's group).
- Parking available on site, bicycle storage, good public transport links.
- Gym and squash court on site.

How to Apply:

Submit the following to Kateřina Rozsypalová [personalni@fgu.cas.cz]

1. Cover letter outlining your motivation and fit for the role.
2. CV and GitHub profile link.
3. Contact details for 2 references.