

The Institute of Biotechnology of the Academy of Sciences of the Czech Republic at the Biotechnology and Biomedicine Center of the Academy of Sciences and Charles University in Vestec announce an open position:

Scientific backend developer in data management

We are looking for an enthusiast to join our team focused on management of biophysical data within the European project MOSBRI and the National Repository Platform.

We offer work connected to development of data management infrastructure for biophysical data in the frame of an international project at the Institute of Biotechnology in the center of excellence Biocev. The main responsibility lies in the definition of new data standards and models for biophysical data, development of algorithms, and upgrades and maintenance of a pilot database of biophysical data. The person is expected to actively participate in multilateral international negotiations, to drive the tasks fulfillment in collaboration with the local and foreign partners, and to present the results.

The role offers a great deal of freedom, both in choosing how, which, and when new features are implemented. Furthermore, direct technical sparring with experts in the frameworks used are available through our collaborators at CESNET.

Applications from candidates on the level of a post-doc as well as junior/senior researcher are welcome.

The Centre of Molecular Structure (part of the Czech Infrastructure for Integrative Structural Biology, <https://www.ciisb.org/> and of the European infrastructure Instruct-ERIC, <https://instruct-eric.eu/>) participates in the EU Horizon 2020 project MOSBRI (<https://www.mosbri.eu/>) focused on provision of open access to biophysical techniques across Europe with a strong accent on definition of data standards and archival of biophysical data and in the NRP project focused a unified approach to definitions of national repositories for scientific data.

For details about the role, structure, equipment, and services provided by CMS refer to the web pages at <https://www.ibt.cas.cz/en/core-facilities/centre-of-molecular-structure/>.

Requirements:

- Proven experience in programming
- University education in natural sciences or technical fields
- Excellent communication skills and teamwork; documented previous teamwork experience
- English, written and spoken, advanced level
- Readiness for high workload
- Good reputation

Advantageous programming skill:

- Strong skills in Python (in particular with complex Flask applications)
- Knowledge of using Git and GitHub for version control
- Knowledge of using GitHub actions for CI/CD
- Basic knowledge of REST APIs
- Basic knowledge of Docker
- Basic knowledge of Opensearch/ElasticSearch

Starting date: immediately, upon agreement.

We offer a fulltime position; part-time position can be negotiated.

The deadline for application submission is 28th February 2025.

Workplace location: Biocev, Vestec near Prague, Czech Republic.

Send written applications including a motivation letter and a professional CV in electronic form to address:
hr@ibt.cas.cz.

Informal enquiries can be sent to Dr. Jan Dohnálek, dohnalek@ibt.cas.cz.