

Biophysicist for the core facility of Centre of Molecular Structure

The position is for you if:

- ...you are excited about the **field of molecular biophysics** and would like to support scientists from academia and industry with top-quality research services
- ...you have an experience to independently **run** experiment using an advanced biophysical technique
- ...you **enjoy providing user support and training**, assisting local and international researchers in planning and conducting experiments
- ...you like working in an **international environment** (35% of our team members come from outside of the Czech Republic, 25% do not speak Czech)

About the role

We are seeking a molecular biophysicist to join the **Centre of Molecular Structure (CMS)**, part of the **Czech Infrastructure for Integrative Structural Biology**. The Centre also provides research services within **Instruct-ERIC**, the European infrastructure for structural biology. It brings together several core facilities, providing a comprehensive approach to studying the three-dimensional structure, function, and biophysical properties of biological molecules.

In this role, you will be involved in the operation and maintenance of instruments at the **Biophysical technique facility**. Your duties will include **communication with users, experiment setup and conduction, and data analysis**.

You will also participate in **administrative tasks**, such as managing supplies and service orders, maintaining records of facility users, projects, and consumables, as well as assisting with user training and hands-on workshops.

Key Responsibilities

- **Operation and maintenance:** Regular operation and maintenance of instruments at the Biophysical technique facility; monitoring of instrument performance, identification and troubleshooting of technical issues, and coordination of service or repairs when necessary
- **Users' projects admin:** Maintaining accurate records of user projects, instrument usage and stocks of consumables
- **Users' project support:** Contribution to the development and optimization of experiment to improve measurement quality and reproducibility. Assisting users with instrument setup, providing guidance on proper operation and data acquisition, support during measurements and data analysis.
- **Training activities:** Conducting of hands-on workshops and training of users

Desired skills and experience

- **Education:** University education in biophysics, physics, biochemistry, chemistry, or a relevant field
- **Research experience:** Hands-on experience with several biophysical techniques used for the characterization of conformation, stability and interactions of biomolecules, available at the Biophysical techniques' facility of CMS
- **Teamwork:** Strong communication skills and ability to work in a team
- **Language proficiency:** English at least at B2 level in speaking, reading, and writing; Czech – some knowledge is an advantage

Attitude and drive

- **Motivated to learn and continuously develop professional skills:** Open to learning new methods and adapt to new research directions and technologies
- **Proactive and responsible approach:** Ability to work independently and complete tasks with accuracy and reliability
- **Genuine curiosity and enthusiasm for users' projects:** Sincere interest in understanding users' scientific goals and enthusiasm for contributing to their research projects

Start date

Preferred: February 2026 (negotiable)

Our Offer

- Modern scientific environment with state-of-the-art technologies
- Diverse work supporting scientific progress
- Involvement in top-level Czech and European research infrastructure
- Competitive salary
- 5 weeks of vacation
- Opportunity to adjust working hours based on personal needs
- Meal allowance

About the Institute of Biotechnology of the Czech Academy of Sciences

The Institute of Biotechnology of the Czech Academy of Sciences (IBT, ibt.cas.cz) is a top-class multi-disciplinary public research institution in the Czech Republic whose mission is to research biomolecular mechanisms, the understanding of which contributes to the development of new diagnostic and therapeutic procedures and the emergence of innovative biotechnologies. IBT is located in the BIOCEV Center (biocev.eu) operated by the Czech Academy of Sciences and Charles University. IBT has ~200 employees, ~three quarters of which work in research.

Location

IBT is located in the BIOCEV Center in Vestec, Prague-west, ~30 minutes from the city center by public transport.

How to apply

Send your application to hr@ibt.cas.cz, including:

- your **CV**, where you highlight your skills and experience critical for the position,
- contact information for **two references**
- a **motivation letter**, where you tell us why you are interested in the position and why we should choose you.

Later in the process, we may request references for phone interviews and ask you to present your recent activities with a focus on the desired skills and experience and a case study related to the position.

For more information, please contact Jan Dohnalek (jan.dohnalek@ibt.cas.cz), Tatsiana Charnavets (Tana.Cernovec@ibt.cas.cz).

We look forward to hearing from you and exploring how we can shape the IBT's research infrastructure together!

More details on the processing of personal data are available on the website:

<https://www.ibt.cas.cz/cs/o-ustavu/oficialni-dokumenty/gdpr/>.