



Laboratory of Molecular Physiology of Bone

Institute of Physiology of the Czech Academy of Sciences, Prague

IPHYS is a leading research institute in the field of normal and pathological physiology. It consists of a number of scientific and service departments and shared equipment for the research (<http://www.fgu.cas.cz/en/>).

The **Laboratory of Molecular Physiology of Bone** led by Dr. Michaela Tencerova is focused on studying the physiological role of bone marrow adipose tissue in relation to bone and fat metabolism in metabolic complications (<https://www.fgu.cas.cz/en/departments/laboratory-of-molecular-physiology-of-bone>).

We are seeking a highly motivated and skilled **Research Specialist** to join our team and contribute to cutting-edge research. The successful applicant will work in an international and friendly environment. The research project will involve work with murine and human cellular systems (bone marrow stromal stem cells) and transgenic animal models.

Research Specialist in Molecular Physiology of Bone

Responsibilities:

- Performing administrative tasks necessary for running the laboratory, including ordering and maintaining reagents and consumables
- Conducting wet-lab experiments, including in vitro cell culture and ex vivo cellular and tissue characterization (RNA and protein analysis, RNA isolation, Western blotting, flow cytometry, microscopy, histology)
- Managing mouse colonies, including genotyping
- Participating in collaborative activities related to the design and execution of experiments
- Learning and implementing new methods
- Working as part of a team and supporting colleagues in related projects

Position Requirements:

- At least a master's degree in molecular biology, biochemistry, physiology, medicine, or a related field
- Strong motivation for scientific research and intellectual curiosity
- Advanced experience with molecular biology techniques (RNA and protein analysis), in vitro cell culture methods, cloning, CRISPR technology,
- Experience working with laboratory animals (mouse husbandry, handling and basic interventions) is an advantage
- Good command of English; knowledge of Czech is an advantage
- Computer literacy, including experience with statistical software

We Offer:

- A creative, international working environment
- Competitive salary based on the Institute's internal policies, as well as the candidate's skills and experience
- Access to state-of-the-art laboratory facilities and resources (e.g. sequencing, imaging, animal facilities)
- Opportunity to collaborate with diverse international research teams
- Professional development and career mentoring
- Employee benefits (e.g. health insurance, language courses, meal allowance, childcare support, accommodation in the institute's lodging house, Multisport/Edenred card, on-site gym and squash court, parking, bike storage, and access to an on-site kindergarten)
- Full-time position (1.0 FTE)
- 5 weeks of vacation + 1 additional week of leave and 3 sick days

Expected Appointment Start Date: May 2026 or as agreed

Required Documents:

- Cover letter describing your motivation and relevant experience
- CV
- Contact details for at least two referees

To apply for this position, please send the required documents to Katerina Rozsypalova at personalni@fgu.cas.cz by **April 30, 2026**, or until the position is filled.