Institute of Biotechnology of the Czech Academy of Sciences announces an open competition in accordance with the Act No. 283/1992 Coll. on the Czech Academy of Sciences, and the Statutes of the Czech Academy of Sciences for a position:

Postdoctoral researcher in metabolism and multi-omics

in the Laboratory of Cellular metabolism, located at the Institute of Biotechnology in BIOCEV campus. We are a young research team that studies the metabolic crosstalk in healthy and tumor tissue using genetic mouse models, genetic screens, and single cell omics technologies.

Using these methods, we previously studied the (metabolic) heterogeneity of endothelial cells in pathological angiogenesis (Rohlenova et al. Cell metabolism 2020, Goveia et al. Cancer Cell 2020), and identified new targets for anti-angiogenic strategies. Now, we will take a step further to disentangle the network of intercellular metabolic interactions in tissues and tumors that may be a reason for resistance to antimetabolite therapies in cancer. More details about the laboratory are at: https://www.ibt.cas.cz/en/research/laboratory-of-cellular-metabolism/

Job description:
You will study the metabolic interactions in tissues using genetic mouse models, single cell & spatial transcriptomics, metabolomics, and CRISPR screens. You will be in charge of your research project but will also need to function as a part of a team. You will contribute to writing of manuscripts, reports and proposals and will present the project results at (inter-)national meetings.

Requirements:
- PhD in molecular/cell biology or related areas
- Strong interest and hands-on experience in basic research
- Experience in (single cell)-omics technologies, CRISPR screens and data analysis will be considered as an advantage
- Excellent communication skills and teamwork, and ability to plan and work independently
- English, written and spoken, advanced level

Institute and workplace location: The Institute of Biotechnology (IBT, ibt.cas.cz) is a top-class multi-disciplinary research center in the Czech Republic with expertise in cancer and developmental biology, metabolism, gene expression and structural biology & protein engineering. IBT is located in the BIOCEV center of excellence (biocev.eu) operated by the Czech Academy of Sciences and Charles University. BIOCEV brings together >500 international scientists and students in >50 research groups. The institute and BIOCEV partners run excellent core facilities (gene core, chemical synthesis, structural and biophysical analysis, a state-of-the-art animal clinic, flow cytometry & imaging and omics core facilities).

IBT/BIOCEV is in Vestec, located at the outskirts of Prague, ~30 minutes from the city center by public transport.

Application deadline: 30.4.2021

Position for one year with possible extension is available immediately.

Please send your application including a motivation letter, CV and 2 references to **Dr. Katerina Rohlenova**, katerina.rohlenova@ibt.cas.cz, where you can also ask for more information.

We hereby inform you that the Institute of Biotechnology of the Czech Academy of Sciences shall process your personal data only to the extent for the purposes of selection of a suitable employee and closure of a contract of employment in accordance with the General Data Protection Regulation 2016/679 (GDPR).

More details on the processing of personal data of an applicant for open position are available at web site: ***https://www.ibt.cas.cz/cs/verejnost-media/oficialni-dokumenty/GDPR/.***