POSTDOC – Cryo-EM and cryo-ET of bacterial and viral transcription-translation coupling

Description
CEITEC is a scientific centre in the fields of life sciences, advanced materials and technologies whose aim is to establish itself as a recognized centre for basic as well as applied research. CEITEC offers a state-of-the-art infrastructure and great conditions to employ excellent researchers.

Our institute values diversity and promotes an inclusive working environment with the aim to support the best scientists. CEITEC MU is a proud holder of the HR Excellence in Research Award by the European Commission. (http://muni.ceitec.cz/en/hr-strategy-hrs4r/)

A postdoc position is available in newly established Demo lab (CEITEC, Masaryk University, Brno, Czech Republic) to participate in research focused on structural mechanisms of transcription-translation coupling in bacteria and potentially in virus-infected mammalian cells. We are seeking a person with excellent expertise in single particle cryo-electron microscopy and cryo-electron tomography, specifically oriented on the imaging of in vitro assembled systems and bacterial or virus-infected mammalian cells. Research will be conducted at CEITEC located in the life science campus of Masaryk University (Brno, Bohunice, https://www.ceitec.eu/).

Requirements:
- PhD in biochemistry or structural biology.
- Excellent knowledge of single particle cryo-electron microscopy (cryo-EM) or cryo-electron tomography (cryo-ET).
- At least 2 years of work experience in preparation of samples for in vivo cryo-ET imaging and analysis of single-particle cryo-EM images and cryo-ET tomograms.
- Published in impactful journals in the field, corresponding to given stage of career demonstrating creativity and scientific quality
- Good English language – spoken and written

Desirable but not required:
- Motivated person with collaborative mind set
- Willingness to engage in the life of academic community
- [other, e.g. knowledge of particular techniques in given field]

We offer:
- Interesting position in a dynamically expanding research institute
- An attractive salary and benefits package

Masaryk University, CEITEC - Central European Institute of Technology
• Background of a recognized and successful institution with supportive and international working environment
• Environment promoting interdisciplinarity and intersectorality of research
• In house core facilities
• Support of administrative departments (including grant office service)
• Support with the relocation process (welcome office service)
• 6 weeks of paid holiday

Anticipated start date: Negotiable

Applications including CV, contacts for referees and a brief motivation letter should be sent by e-mail to recruitment@ceitec.muni.cz.

Please quote the “Postdoc – Cryo-EM and cryo-ET of bacterial and viral transcription-translation coupling” in the subject.

Electronic application deadline is: 31st May, 2021

Information about Brno, Czech Republic
• The capital of South Moravian Region and the second largest city in the Czech Republic with a population of almost 400,000 people
• Modern, dynamic and fast growing centre of industry, trade, science, research and innovation with business incubators and centres of excellence in science
• A city of universities with more than 86,000 students
• More than 10,000 researchers; 2,200 IF publications/year; 600+ PhD graduates/year,
• 500 mil. EUR of R&D investment per year, more than 350 companies with in-house R&D,
• City of Gregor Mendel, the founder of genetics; the prestigious Mendel Lectures series takes place in Brno since 2003 (lectures of the world’s top scientists, including Nobel Prize winners),
• Quality of life index in 2016

For further information about:
• CEITEC, please visit www.ceitec.eu
• CEITEC Welcome Office, please visit https://www.ceitec.eu/welcome-office/t9794
• Masaryk University, please visit www.muni.cz
• Brno, please visit http://www2.brno.cz/index.php?lan=en&nav01=20608&nav02=20617