

The Director of Central European Institute of Technology
(CEITEC MU) opens a position

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

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Bank account: KB Brno, Ref. No.: 85636621/0100, ID: 00216224, Tax ID: CZ00216224

- 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>

Masarykova univerzita, Středoevropský technologický institut

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