

CEITEC Masaryk University Opens Cutting-Edge Structural Biology Laboratories to the Public

As part of the Electron Microscopy Days 2026 at CEITEC Masaryk University (MU), a public outreach event of the project Innovation of the Czech Infrastructure for Integrative Structural Biology will take place on Saturday, 28 March 2026, from 10:00 a.m. to 4:00 p.m. The event will offer the public a unique opportunity to look inside state-of-the-art research laboratories and to become familiar with the technologies underpinning contemporary research at the molecular level.

The programme will include guided tours of the shared laboratories of cryo-electron microscopy and tomography and nanobiotechnologies—facilities that play a key role in modern structural biology. Visitors will be introduced to technologies that make it possible to visualise biological molecules and cellular structures at near-atomic resolution and to understand their function in environments closely resembling natural cellular conditions.

Cryo-electron microscopy is currently one of the most important methods in modern biology and biomedicine. It enables detailed studies of proteins, nucleic acids and their complexes, which are essential, for example, for the development of new drugs, understanding disease mechanisms, and research into fundamental life processes. Nanobiotechnology laboratories, in turn, connect biology with physics and chemistry and enable targeted work with biological systems at the nanometre scale.

During the tours, experts from [CEITEC MU](#) will present not only the scientific equipment itself, but also concrete examples of its use in biomedical research and other fields. The programme is designed to be understandable even for visitors without a background in the natural sciences.

The event will also feature interactive activities for both children and adults, making it suitable for the whole family. Participation in the guided tours is possible upon prior registration for a specific time slot; the capacity of individual tours is limited.

The outreach event is organised within the framework of the project *Innovation of the Czech Infrastructure for Integrative Structural Biology* (reg. no. CZ.02.01.01/00/23_015/0008175), which is co-funded by the European Union and aims to develop and make available cutting-edge research infrastructure for the Czech and international scientific community.

Further information and the registration form are available on the [CEITEC MU website](#).



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