

CEITEC - Central European Institute of Technology

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 researches. The results will contribute to the improvement of the quality of life and human health.

Partnering Institutions

CEITEC was approved by the European Commission on 6th June 2011. It is a consortium whose partners include the most prominent universities and research institutes in Brno, and it benefits from the support of the Region of South-Moravia and the City of Brno. The following participate in the setting up of the centre of excellence: **Masaryk University, Brno University of Technology, Mendel University in Brno, University of Veterinary and Pharmaceutical Sciences in Brno, Veterinary Research Institute and Institute of Physics of Materials of the Academy of Sciences of the Czech Republic.**

Multi-field Centre

Multi-field CEITEC is in fact the first type of a scientific centre in the Czech Republic to integrate research and development in the fields of life sciences, advanced materials and technologies in such a large range. The research is divided into **64 groups** and **7 programmes**: 1. Advanced Nanotechnologies and Microtechnologies, 2. Advanced Materials, 3. Structural Biology, 4. Genomics and Proteomics of Plant Systems, 5. Molecular Medicine, 6. Brain and Mind Research, 7. Molecular Veterinary Medicine.

State-of-the-art Infrastructure

New modern laboratories of an area of 25,000 m² will grow in the University Campus of Masaryk University in Brno - Bohunice and in the Brno University of Technology Campus "Pod Palackého vrchem". Almost 700 special instruments and unique facilities will be selected and acquired based on the specific needs of scientific teams. The high-tech technologies at its disposal will facilitate synergistic study in the subjects of life and material sciences on all currently available levels of complexity, starting with individual atoms, through molecules, molecule groups and cells to whole organisms. Ten Core Facilities will allow specialized research, higher expertise, higher-quality facilities for advanced education and mainly close cooperation, also multidisciplinary. Thanks to the combination of the knowledge and resources of the six participating institutions it is possible to reach high quality results faster and with a higher involvement of the application sphere.

Investment into the future for the whole region

The state-of-the-art instruments and facilities will be also utilized by scientists and companies from the whole of the Czech Republic and abroad. CEITEC will bring new jobs in perspective fields and a creation of research laboratories for nearly 600 scientists and over 1200 students. The aim of CEITEC is to help existing basic and applied research located in the South Moravian Region reach a top level. Its justification is not only to involve the activities carried out in this region in the European research area but to open it to the world by means of creating conditions favourable for the cooperation with the private sector. It is the utilization of results of research in science for the needs of commercial companies that will bring a long term increase in the competitiveness of the whole region. CEITEC is an investment for the future.

International Management

The system of management and internal setting of CEITEC has been inspired and set according to most significant scientific institutions, top management is covered by foreign experts in science; the internal language is English. Existing research teams and key managerial positions are being gradually filled with top experts with international experience and there is an aim for the return of successful Czech scientists. It is based on a regular evaluation of the quality of scientific results carried out by an independent team of top world experts in the given fields. An independent evaluation according to strict international standards is ensured by the Coordination Board and the International Scientific Advisory Board, whose members are significant people in foreign and Czech science.

Financing

The total budget: **€208 mil.**

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