



# CEITEC

Central European Institute of Technology  
BRNO | CZECH REPUBLIC



EUROPEAN UNION  
EUROPEAN REGIONAL DEVELOPMENT FUND  
INVESTING IN YOUR FUTURE



**OP Research and  
Development for Innovation**

# CEITEC

## Central European Institute of Technology

CEITEC is a centre of scientific excellence in the fields of life sciences and advanced materials and technologies whose aim is to establish itself as a prestigious European centre of science with a state-of-the-art infrastructure and conditions in place to employ the best researches available. 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 Centre will feature modern laboratories with state-of-the-art instrumentation, technologies and infrastructure, which will ensure suitable conditions for conducting both basic and applied research.

## CEITEC

- European centre of scientific excellence integrating research in life sciences, advanced materials and technologies.
- Unique technologies, state-of-the-art infrastructure, specialized laboratories and core facilities for both basic and applied research.
- An encouraging environment for nearly six-hundred researchers, twelve-hundred students and hundreds of innovative companies from all over the world.

## Vision

*We create a centre of scientific excellence whose results will contribute to an improvement in the Quality of Life and Human Health.*



Masaryk University  
[www.muni.cz](http://www.muni.cz)



Brno University of  
Technology  
[www.vutbr.cz](http://www.vutbr.cz)



Mendel University  
in Brno  
[www.mendelu.cz](http://www.mendelu.cz)



University of Veterinary  
and Pharmaceutical  
Sciences Brno  
[www.vfu.cz](http://www.vfu.cz)



Institute of Physics  
of Materials, Academy  
of Sciences of the Czech  
Republic  
[www.ipm.cz](http://www.ipm.cz)



Veterinary Research  
Institute  
[www.vri.cz](http://www.vri.cz)

# Basic Overview

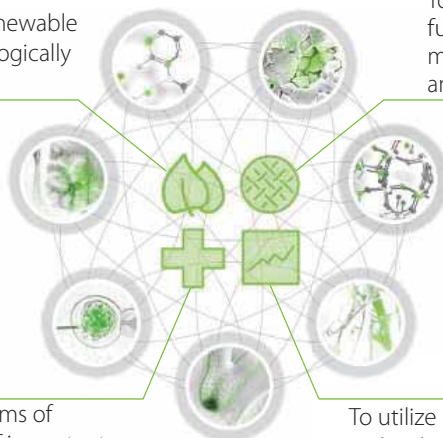
- **6 partners**
- **7** research programmes
- **63** research groups
- **557** researchers (2015)
- **25.000 m<sup>2</sup>** of new laboratories
- **10** Core Facilities
- Total budget of **€ 208 mil.**
- CEITEC was **approved by the European Commission on 6<sup>th</sup> June 2011**
- Start of research activities: **Q1 2011**
- Project completion: **Q4 2015**
- **Interdisciplinary cooperation**  
with the combined knowledge and resources of the six participating institutions will ensure more efficient attainment of quality results and with higher levels of involvement from the application sphere.
- **International management**
- International mobility and a system of management gained from the experience of the best research institutes worldwide
- Coordination Board – composed of representatives from prominent Czech firms in R&D fields and representatives from the best international research centres
- International Scientific Advisory Board – members are exclusively representatives of important international research institutes
- Evaluations of the quality of research results are conducted by independent teams of prominent global experts in their respective fields
- English is the internal language of business

## Common Research Goals

CEITEC is based on the synergy of seven research programmes, whose activities aim to attain the four common research goals:

To utilize plant systems as renewable sources of materials and biologically active compounds

To develop advanced materials and functional nanostructures for medicine, energy and information and communication technologies

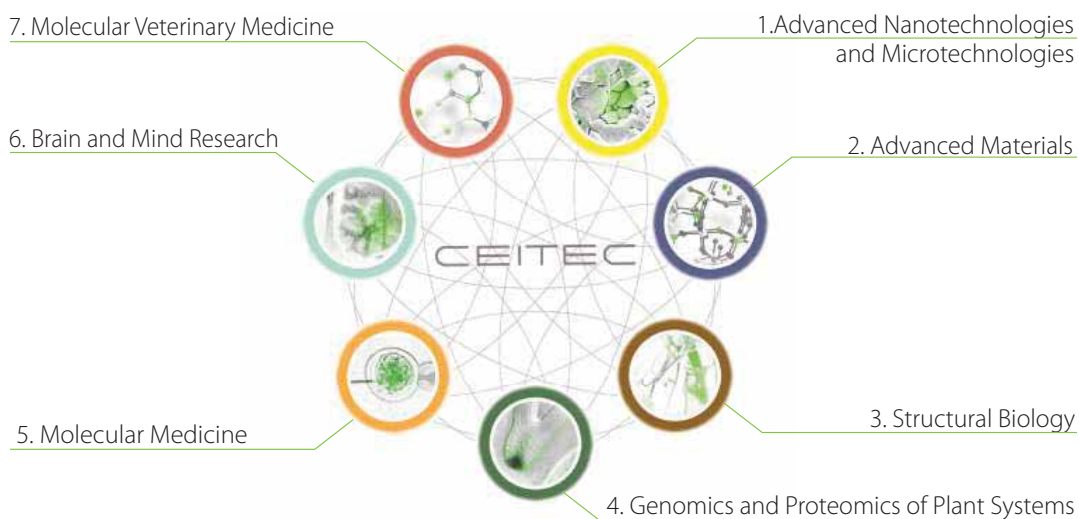


To understand the mechanisms of the genesis and spreading of important diseases, methods of their prevention, early diagnostics and therapy

To utilize information and communication technologies for biomedicine

# Research Programmes

The multi-departmental nature of CEITEC and the extent to which the fields of life sciences and advanced materials and technologies are integrated make it the first research centre of its kind in the Czech Republic. 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.



## Benefits to the Region

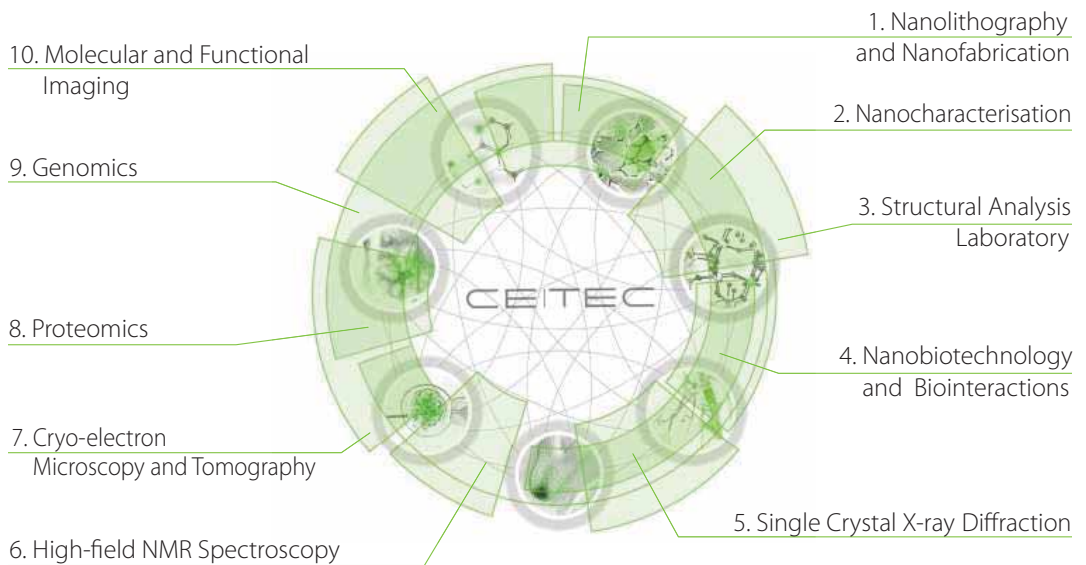
- Improvement in student education – predominantly in graduate studies
- Research laboratories for nearly 600 scientists and more than 1200 students
- Creation of new innovative firms and the attraction of domestic and international investors
- Creation of new jobs in the respective fields of research
- Attraction of foreign experts and respected Czech scientists to the area

CEITEC will significantly contribute to *the long-term increase in the competitiveness* of Brno, the Region of South-Moravia and the Czech Republic as a whole.

# Core Facilities

The Core Facilities (central laboratories), which will serve as main features of integration, will be established in two locations in Brno:

- The campus of Masaryk University in Brno - Bohunice, the centre of life sciences and biomedicine, benefits from being near the Faculty Hospital in Brno and the INBIT Biotech incubator.
- The Brno University of Technology campus in Brno Pod Palackého vrchem, the centre for material science and advanced technologies, neighbours the Czech Technology Park and comprises CEITEC Science Park.



# Financing

Total budget of **€ 208 mil.**

Source of funding: The European Regional Development Fund through the Operational Programme Research and Development for Innovations, priority axis 1- European Centres of Excellence, which is managed by the ministry of Education, Youth and Sports of the Czech Republic.



CEITEC laboratories on the campus of Masaryk University in Brno-Bohunice



CEITEC laboratories on the Brno University of Technology campus

# Contacts

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