

# Life Sciences in the Czech Republic



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# Czech Life Sciences at a Glance

- + World-class academic community and research base with a strong commitment to partnering with industry
- + Established industrial R&D, manufacturing and supply chain
- + Regulatory and patent environment harmonious with that of the EU
- + Strong presence of large international pharmaceutical companies participating in research programmes and conducting manufacturing operations
- + Clinical and translational research supported by close ties between universities, research institutions, industry and the public healthcare system
- + Availability of university graduates and industry-specific staff at competitive prices
- + Supportive business environment and incentives for both R&D and manufacturing



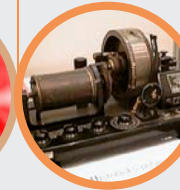
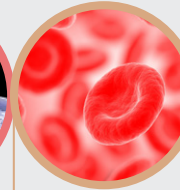
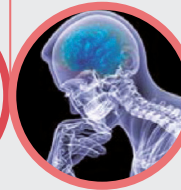
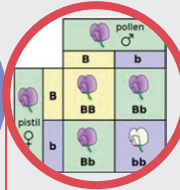
# Companies and Research Centres



# Milestones of the Czech Life Science

1837

**Jan Evangelista Purkyně**  
formulates the cell theory



1348

**Charles University Prague**  
the oldest home for study  
of natural science

1866

**Gregor Johann Mendel**  
discovers the principal  
laws of heredity

1907

**Jan Jánký** discovers  
the four blood types

1961

**Otto Wichterle** produces  
the first soft gel contact lenses



Over **20%** of all university  
students study natural sciences



**32.1%** share of industry  
in the economy (highest in EU)

# Investment Success Stories



**John R. Westby**

Associate Vice President,  
Global Support Functions IT at MSD

"Prague was chosen from several other considered locations mainly because of accessibility to human resources from the field of science and IT and well functioning education system that trains those specialists. The MSD IT hub offers opportunities for career development not just for a wide range of IT experts and data analysts, but also for new graduates who could start to work in a global pharmaceutical company that is a leader in the novel application of progressive technology to the field of healthcare."



**John F. Milligan**

President and CEO, Gilead Sciences

"Gilead Sciences decided in 2006 to establish in Prague its only R&D centre outside the United States with the Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences. We have done so because of Dr. Antonín Holý and his team have shown such productivity and such impressive scientific leadership over the years."



Incentives for manufacturing  
up to **45%** of expenditures



Incentives for R&D  
up to **70%** of expenditures

# Life Sciences at Czech Universities



Main Universities in the Czech Republic | Students: 53,175 | Graduates: 10,493



## Charles University in Prague

Students: 18,065  
Graduates: 2,830



UNIVERSITAS  
PALACKIANA  
OLOMUCENSIS

## Palacký University, Olomouc

Students: 4,566  
Graduates: 836



## Masaryk University in Brno

Students: 7,036  
Graduates: 1,365



## University of Veterinary and Pharmaceutical Sciences Brno

Students: 2,725  
Graduates: 460



Jihočeská univerzita  
v Českých Budějovicích  
University of South Bohemia  
in České Budějovice

## University of South Bohemia in Ceske Budejovice

Students: 2,642  
Graduates: 624



UNIVERSITY OF  
CHEMISTRY AND TECHNOLOGY  
PRAGUE

## University of Chemistry and Technology, Prague

Students: 3,514  
Graduates: 786



UNIVERSITY  
OF OSTRAVA

## University of Ostrava

Students: 3,231  
Graduates: 498



Univerzita  
Pardubice

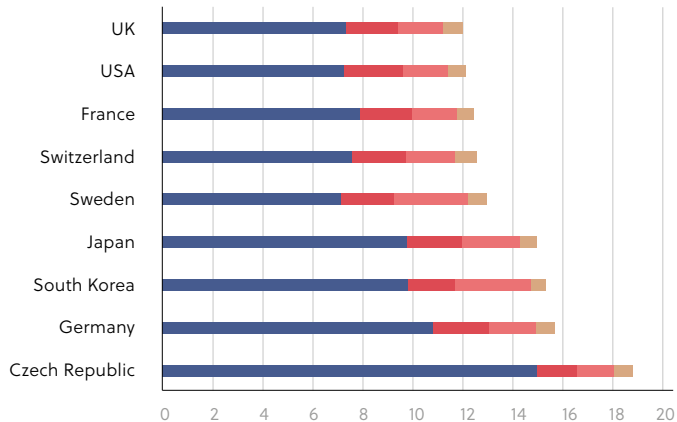
## University of Pardubice

Students: 2,132  
Graduates: 510

# Workforce Statistics

## Experienced industry-specific staff

The chart shows the breakdown of Experienced industry-specific staff.

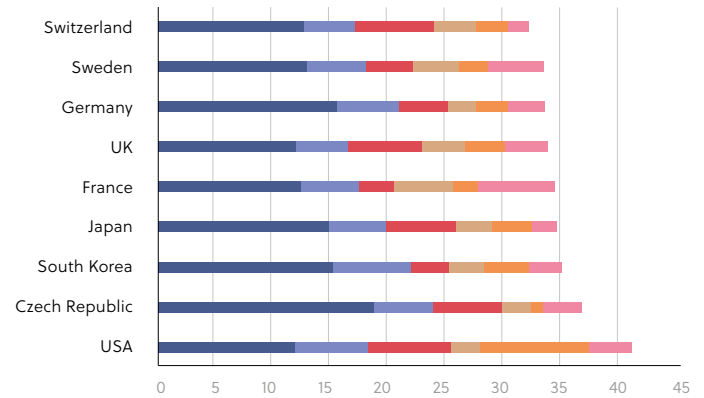


- Employment in industry (% of total employment)
- Researchers in Research and Development
- Availability of scientists and engineers
- Research and training services availability

Source: fDi Benchmark from the Financial Times Ltd 2017

## Labour Availability and Quality

The chart shows the breakdown of Labour Availability and Quality.



- Experienced industry-specific staff
- Flexibility of labour regulations
- Overall size of labour market
- Non-experienced staff
- Skills, attitudes and productivity
- Tightness and competition for labour

Source: fDi Benchmark from the Financial Times Ltd 2017

# Our Specialist



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#### **Canada | Toronto**

To be opened in 2017

#### **Ukraine | Kiev**

To be opened in 2017