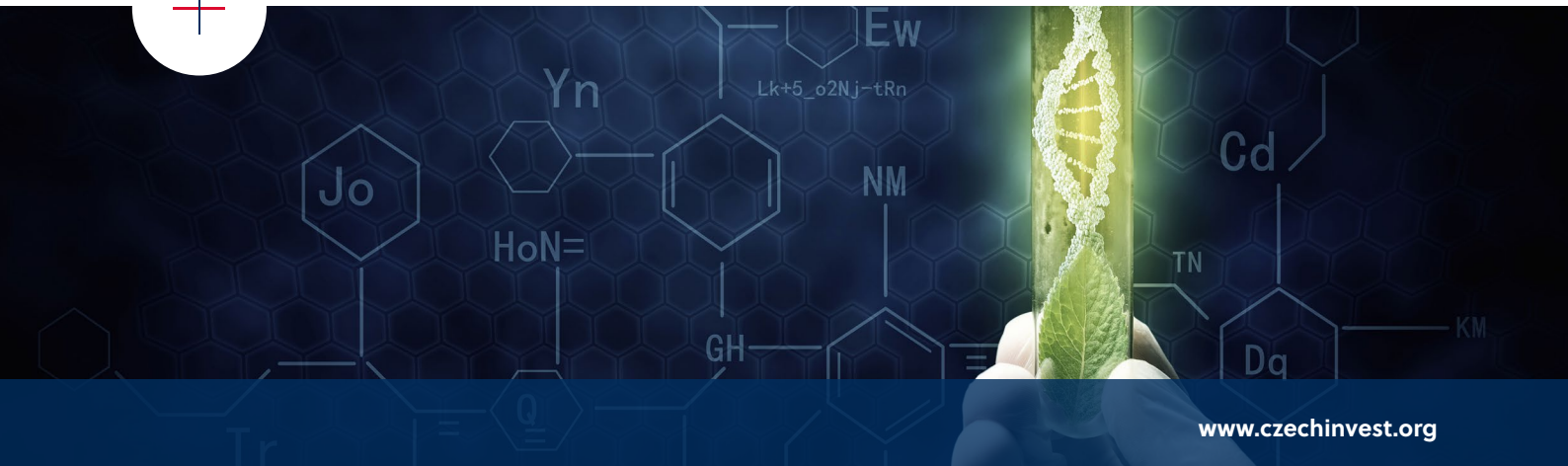


Life Sciences in the Czech Republic



www.czechinvest.org

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

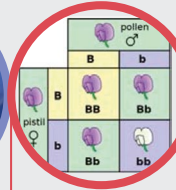
1837

Jan Evangelista Purkyně
formulates the cell theory



1348

Charles University Prague
the oldest home for study
of natural science



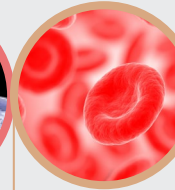
1866

Gregor Johann Mendel
discovers the principal
laws of heredity



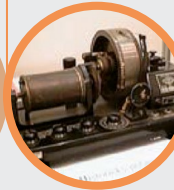
1896

Neurologist Sigmund Freud
pioneers the field
of psychoanalysis



1907

Jan Jánský discovers
the four blood types



1959

Jaroslav Heyrovský
receives the Nobel Prize
for chemistry



1961

Otto Wichterle produces
the first soft gel contact lenses



2002

FDA approves
the anti-AIDS
and hepatitis B
drugs developed
by Prof. Antonín Holý



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: 52,610 | Graduates: 10,558



Charles University in Prague

Students: 17,881

Graduates: 2,758



Palacký University, Olomouc

Students: 4,472

Graduates: 875



Masaryk University in Brno

Students: 6,037

Graduates: 1,375



University of Veterinary and Pharmaceutical Sciences Brno

Students: 2,521

Graduates: 435



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

University of South Bohemia in Ceske Budejovice

Students: 2,548

Graduates: 590



University of Chemistry and Technology, Prague

Students: 3,489

Graduates: 845



University of Ostrava

Students: 2,229

Graduates: 512



University of Pardubice

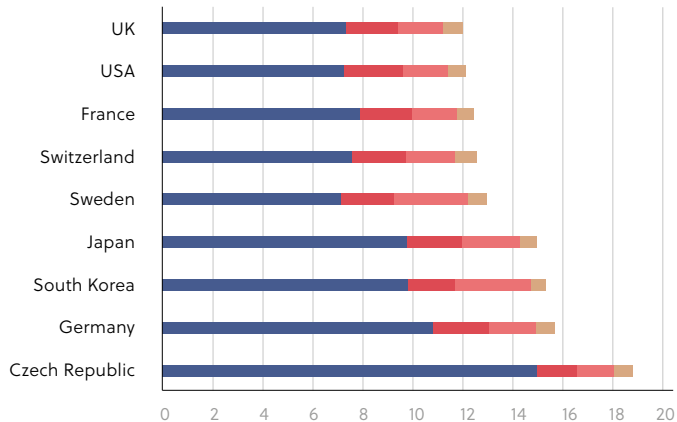
Students: 2,034

Graduates: 501

Workforce Statistics

Experienced industry-specific staff

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

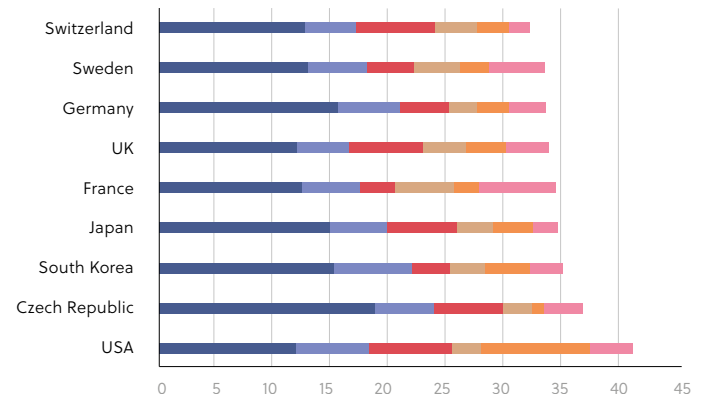


- Employment in industry (% of total employment)
- Researchers in Research and Development per million
- Availability of scientists and engineers
- Research and training services availability

Source: fDi Benchmark from the Financial Times Ltd 2018

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 2018

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