



# Karel Hanak

## Biotechnologist

### contact

Vienna  
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### programming



### languages



### interests



## About me

My name is Karel Hanak and I am a biotechnologist by training, with a strong background in molecular biology and engineering.  
I have a strong interest in genetics, particularly epigenetics and in exploratory data analysis. For more information, please visit my [website](#).



## Experience

2021 - now

### Process engineer at Vogelbusch Biopharma

- Concept, Basic and Detail Engineering
- Coordination of EMSR, automation and piping planning and design
- Creation of functional specifications and plant automation
- Software tests, FAT and commissioning
- 15+ months of on site commissioning experience abroad

2018 - 2020

### Technician at Austrian Institute of Technology

- Applied, contractual and basic research (FFG and E-Rare projects) incl. project management
- Method development, establishment and optimization
- Experiment design and execution under GLP and GDP guidelines incl. writing and revision of SOPs
- Luminex, NGS and qPCR assay design and establishment & student supervision

2014 - 2018

### Technician at Manuela Baccarini Group (Max F. Perutz Laboratories)

- Genotyping and lab resource management



## Education

2015 - 2020

### Biotechnology

Postgraduate Studies at University of Life Sciences (BOKU) Vienna  
Dipl.-Ing. (equivalent to MSc) passed with distinction  
Master Thesis in epigenetics with focus on method development and optimization

2011 - 2015

### Food- and Biotechnology

Undergraduate Studies at University of Life Sciences (BOKU) Vienna  
Bachelor Thesis in antibody engineering with focus on molecular biology

2006 - 2011

### Oenology

College of Viticulture and Pomology (ISCED 4A)  
Diploma Thesis in Chemistry



## Extracurricular activities

- Head of Office for Educational Policies, elected representative of the student body
- Awarded with scholarships for the European Forum Alpbach in 2019 and 2020
- Additional qualifications in data security, presentation techniques and applied economy