



Karel Hanak

Biotechnologist

contact



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programming

R

Python

HTML

languages



German

Czech

English

interests



About me

My name is Karel Hanak and I am a biotechnologist by training with a strong background in molecular biology.

I have a strong interest in genetics and particularly epigenetics and in exploratory data analysis. For more information, please visit my [website](#).



Experience

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

2014 - 2018

Student Assistant at Department of Applied Genetics and Cell Biology

- Student supervision, microscopy, and sample preparation



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