



CLEMENS RAUSCH

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Day of birth: 26th January 1999

Citizenship: AT



EDUCATION

Doctoral Program (PhD) | Technical University of Vienna

12/2023 – 12/2027 (EST.)

1040 Vienna

Doctoral Program in Technical Sciences, Technical Chemistry

Master of Science (Msc) | University of Applied Sciences Technikum Vienna

09/2021 – 11/2023

1200 Vienna

Master Tissue Engineering and Regenerative Medicine

Bachelor of Science (Bsc) | University of Applied Sciences Technikum Vienna

09/2018 – 07/2021

1200 Vienna

Biomedical Engineering

Specialisation: Cell- & Tissue Engineering

Paramedic | Red Cross Brunn am Gebirge

07/2017 – 03/2018

2345 Brunn am Gebirge

Community Service

Additional Training: Sicherer Einsatzfahrer, RTW-training

AHS Matura | BG/BRG Keimgasse Mödling

09/2009 – 06/2017

2340 Mödling

Oberstufenrealgymnasium

Specialisation: Natural Sciences, Descriptive Geometry



PROFESSIONAL EXPERIENCE

Master Internship | Integrated Bioprocess Development, TU Vienna

01/2023 – 06/2023

1060 Vienna

Tasks:

- Production of recombinant hemeproteins in *K. lactis* and *S. cerevisiae*
- Cultivations on shake flask and bioreactor scale
- Focus on Upstream development

Student Researcher | University of Applied Sciences Technikum Vienna

03/2022 – 10/2022

1200 Vienna

Part-time employee at microplastic project

- Establishment of *in-vitro* genotoxicity assays; *In-vitro* testing of microplastic leachate

Student Employee | University of Applied Sciences Technikum Vienna

10/2021 – 01/2022

1200 Vienna

Part-time employee

- Assistance in preparation of lecture

Bachelor Internship | Ludwig Boltzmann Institute, Experimental and Clinical Traumatology

01/2021 – 07/2021

1200 Vienna

Tasks:

- Density Characterisation of Extracellular Vesicles (EVs)
- Experiments for Bachelor Thesis: NTA-, FACS- and absorbance measurements, EV-isolation, density gradient centrifugation, ultracentrifugation



QUALIFICATIONS

Languages

German	●●●●●
English	●●●●○
Latin	●●●○○

Digital Competences

Microsoft Office	●●●●●
GraphPad Prism	●●●●●
Visual Studio: C#	●●●○○
MATLAB	●●●○○
MicroStation	●●●●○
Adobe Premiere	●●●○○

Laboratory Competences

General Lab Work	●●●●●
Cultivation of Yeast	●●●●●
Bioreactor Ferm.	●●●●○
HPLC	●●●●○
Cell Culture Work	●●●●●
Sterile Working	●●●●●
FACS-, NTA-Analysis	●●●●○
Basics in Fluo Imaging	●●●●○
Methods in Cell Biol.	●●●●○