

# SEPEHR RAHMANI-KHAJOUEI

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## PROFESSIONAL EXPERIENCE

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University Hospital Zurich (USZ), Schlieren, CH 03/2023 – Present

### Clinical Operating Manager

- Molecular Tumor Profiling Department under the lead of Dr. Martin Zoche at the Institute of Pathology and Molecular Pathology
- Managed orders for NGS-based FoundationOne assays and generated medical reports for customers.
- Coordinated molecular tumor board discussions for physicians at USZ and supported clinical study projects.
- Led the development and management of internal web applications and databases.
- Acted as a bioinformatician for daily business inquiries, focusing on molecular pathology and ontology.

University Hospital Zurich (USZ), Schlieren, CH 10/2022 – 03/2023

### Bioinformatic Intern

- Molecular Tumor Profiling Department under the lead of Dr. Martin Zoche at the Institute of Pathology and Molecular Pathology
- Implementation of a self-developed gene fusion detection tool into the software of the molecular tumor board.

University Hospital Zurich (USZ), Schlieren, CH 02/2022 – 10/2022

### Master Student

- Molecular Tumor Profiling Department under the lead of Dr. Martin Zoche at the Institute of Pathology and Molecular Pathology
- Development of a bioinformatic pipeline for the precise detection and visualization of fusion breakpoints in DNA- and RNA-seq data

University Hospital Zurich (UZH), Zurich, CH 09/2021 – 02/2022

### Research Intern

- Research group of Prof. Dr. Achim Weber at the Institute of Pathology and Molecular Pathology and the Institute of Molecular Cancer Research (IMCR) of the University Zurich
- Analysis of DNA-damage response pathways in colonic epithelial and hepatic cell regarding the role of MCL-1

Heinrich-Heine-University (HHU), Dusseldorf, GER 02/2021 – 05/2021

### Research Intern

- Research group of Prof. Dr. Reza Ahmadian at the Institute of Molecular Biochemistry
- Generation and purification of different KRAS-mutants for the analysis of interactions with the cell membrane

## EDUCATION

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Hanover Medical School (MHH), Hanover, GER 10/2019 – 10/2022

### Master of Science in Biochemistry, Thesis in Bioinformatics

Leibniz University Hanover (LUH), Hanover, GER 10/2016 – 10/2019

### Bachelor of Science in Biochemistry, Thesis in Medical Chemistry

## SKILLS

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### Languages:

German - native  
Persian - native  
English – C1 (Cambridge Certificate)  
Spanish – B2  
Swedish – A1

### Programming:

Python  
PHP  
Hmtl, CSS  
Javascript  
SQL