

Sepehr Rahmani-Khajouei

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Education

- 10/2019 – 10/2022 [Master of Science in Biochemistry](#)
Hanover Medical School (Hanover, GER)
- 10/2016 – 10/2019 [Bachelor of Science in Biochemistry](#)
Leibniz University Hanover (Hanover, GER)
- 09/2008 – 06/2016 [Abitur \(A-Levels\)](#)
Secondary school: Leibniz School Hanover (Hanover, GER)
- Topic priority: scientific-mathematical

Work experience

- Since 03/2023 [Clinical Operating Manager in Molecular Tumor Profiling](#)
- Working group of Dr. Martin Zoche, Prof. Dr. Holger Moch, Institute of Pathology and Molecular Pathology, University Hospital Zurich Zurich/Molecular Tumor Profiling Laboratory (Zurich, CH)
 - Generation of medical reports for physicians
 - Preparation and documentation of the weekly molecular tumor board
 - Application manager and maintainer of group internal projects
 - Bioinformatician for daily business questions
 - Involvement in different bio IT relevant projects at the USZ and Roche
- 10/2022 – 03/2023 [Bioinformatics Intern Molecular Tumor Profiling](#)
- Working group of Dr. Martin Zoche, Prof. Dr. Holger Moch, Institute of Pathology and Molecular Pathology, University Hospital Zurich Zurich/Molecular Tumor Profiling Laboratory (Zurich, CH)
 - Research project: Implementation of a Gene Fusion Detection Tool into the Molecular Tumor Board Suite of the University Hospital Zurich

02/2022 – 10/2022

Master Thesis Molecular Tumor Profiling

- Working group of Dr. Martin Zoche, Prof. Dr. Holger Moch, Institute of Pathology and Molecular Pathology, University Hospital Zurich Zurich/Molecular Tumor Profiling Laboratory (Zurich, CH)
- Research project: Development of a Bioinformatic Pipeline for the Precise Detection and Visualization of Fusion Breakpoints

09/2021 – 02/2022

Research Internship Molecular Cancer Research

- Research group of Prof. Dr. Achim Weber, Institute of Pathology and Molecular Pathology, University Hospital Zurich, and Institute of Molecular Cancer Research, University of Zurich (Zurich, CH)
- Research project: DNA-Damage Response Pathways in Colonic Epithelial and Hepatic Cells Regarding the Role of MCL-1

02/2021 – 05/2021

Research Internship Molecular Biology and Biochemistry

- Research group of Prof. Dr. Reza Ahmadian, Institute of Molecular Biochemistry, Heinrich-Heine-University Düsseldorf (Dusseldorf, GER)
- Research project: Interactions of Different KRAS-Mutants with the Cell Membrane

04/2020 – 05/2020

Research Internship Cellular Biochemistry

- Research group of Dr. Mark Windheim, Institute of Cellular Biochemistry, Medical School Hanover (Hanover, GER)
- Research project: Signal Transduction Pathways of the CD45-Receptor-Protein-Tyrosine-Phosphatase

Further skills

Languages:

German – native

Farsi/Persian – native

English – fluent (C1, Cambridge certificate)

Spanish – fluent (B2)

Swedish – basic knowledge (A1)

Latin – intermediate certificate

Programming languages:

Python – very good knowledge

Snakemake – very good knowledge

Javascript – very good knowledge

PHP – good knowledge

HTML – very good knowledge

SQL – good knowledge

R– basic knowledge

Software:

MS Office – very good knowledge

LateX – very good knowledge

Chemdraw – very good knowledge

Visual Studio Code – very good knowledge

Biorender – very good knowledge

IGV – very good knowledge

Git – good knowledge

Red Hat Linux – good knowledge

Laboratory:

LTK1 certificate (Introduction course in laboratory animal science)

Sports:

Soccer (former player of SG74 Hanover, winner of the annual Leibniz University tournament 2019)