

Sepehr Rahmani-Khajouei

Biochemist - Bioinformatician - Software Engineer



About me

My goal is it to connect biochemistry with the wide approaches of bioinformatics and digital pathology.

Personal

German
26.06.1998

Areas of specialization

Molecular Pathology
• Bioinformatics • Web
Application • Digital Ontology
• Software Engineering

Languages

German	native
Persian	native
English	C1
Spanish	B2
Swedish	A1

Contacts & Links

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WORK EXPERIENCE

University Hospital Zurich

Zurich, Switzerland

Department of Pathology and Molecular Pathology

12/2025-08/2026

Head Clinical Operating Manager a.i.

Provided interim leadership and operational oversight for clinical operations staff during maternity leave coverage. Coordination of clinical studies.

Since 03/2023

Deputy Clinical Operating Manager, Software Engineer & Bioinformatician

Deputy Clinical Operating Manager responsible for coordinating the end-to-end workflow of NGS-based FoundationOne assays, including case tracking, report generation, and support of molecular tumor board activities. Lead developer of internal web applications and databases, contributing bioinformatics solutions for clinical diagnostics and research studies.

02/2022-03/2023

Bioinformatics Intern

Developed a pipeline for detection and visualization of fusion breakpoints in sequencing data.

University of Zurich

Zurich, Switzerland

Institute of Molecular Cancer Research

09/2021-02/2022

Scientist in Molecular Cancer Research

Investigated DNA damage response pathways, focusing on the role of MCL-1 in cancer-relevant mechanisms.

DEGREES

2022 **Biochemistry, M.Sc.**

THESIS IN BIOINFORMATICS · Hanover Medical School (Hanover, GER)

2019 **Biochemistry, B.Sc.**

THESIS IN MEDICAL CHEMISTRY · Leibniz University Hanover (Hanover, GER)

CERTIFICATES

2026	CAS in Object-Oriented Programming with Java Zurich University of Applied Sciences
2025	Good Clinical Practice (GCP) University Hospital Zurich
2022	LTK1 Certificate University of Zurich
2020	Cambridge English Level C1 Certificate Community College Hanover

PROGRAMMING

Python	● ● ● ● ●
Java	● ● ● ● ●
PHP	● ● ● ● ●
Javascript	● ● ● ● ●
Html, css	● ● ● ● ●
SQL	● ● ● ● ●

SOCIAL ARCHIEVEMENTS

2019 Winner of the annual Leibniz University football tournament