SAGAR ACHARYA

Medical Imaging

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SUMMARY

Analytical chemist with experience in pharmaceutical analysis and proteomics. Currently working with 7T MRI to evaluate new biomarkers of glioma. Integration of data into clinical workflows for neurosurgical planning and its validation for neuronavigation.

EXPERIENCE

Ph.D. Candidate

Medical University of Vienna | High Field MR Center

📅 07/2023 - Present　　📍 Vienna, Austria

- Intraoperative tumor sampling.
- Neurochemical concentration determination for oncometabolites and its correlation to tumors.
- Neuro Navigation
- Image processing of 7T MRI scans.

Technical Assistant

Center for Molecular Medicine | Proteomics Facility | Austrian Academy of Sciences

📅 11/2022 - 06/2023　　📍 Vienna, Austria

- Worked on genetic dissection of protein destabilizers for BRD4 degrader targets.
- Mass spectrometer troubleshooting and calibration
- Manual column preparation.
- Use of techniques such as TMT labeling, FASP, BCA assay, SPE, SP3 digestion, CPA assay, and cell lysis.
- Creating and arranging metadata files for projects.

Master's Thesis Student

Universitätsmedizin | Augenklinik | Johannes Gutenberg University

📅 04/2022 - 11/2022　　📍 Mainz Germany

- Master's Thesis: Characterization of protein - protein interactions of human reflex tear proteome.
- Established optimized methods for the characterization of human reflex tear proteome using gel electrophoresis and mass spectrometry.
- Mentored bachelor's students in solid phase extraction method for peptide purification.
- Proficient in handling and troubleshooting Nano-LC-MS system.

EDUCATION

M.Sc. in Bioanalytical Chemistry and Pharmaceutical Analysis

Hochschule Fresenius University of Applied Sciences

📅 09/2021 - 11/2022

M.Sc. in Analytical Chemistry

Savitribai Phule Pune University　　📅 07/2016 - 05/2018

B.Sc. in Chemistry

Savitribai Phule Pune University　　📅 06/2013 - 05/2016

SKILLS

Python　　Chem Sketch　　R

CERTIFICATES

Crash Course on Python

Practical TMT Workshop

LANGUAGES

English — Proficient

German — Advanced

Marathi — Native

Hindi — Native

LINKS

in Linkedin
https://www.linkedin.com/in/sagar-acharya-133001126/