

Süleyman Bozkurt

Frankfurt am Main, Germany

Data Scientist & Bioinformatician

sbozl



About Me

Experienced researcher focused on proteomics, skilled in using Python and R for data analysis and visualization. Committed to turning detailed biological data into useful insights. Recognized for dedication to automation and process improvement. Developed custom tools and scripts to optimize workflows, enhance efficiency, and simplify complex tasks across professional and personal domains.

Experience

Bioinformatician

08/2023 – Current

Proteomics Unit led by Prof. Christian Münch, Goethe University Frankfurt

- Conduct data analysis, integration, and database creation for proteomics research.
- Contribute to the development and maintenance of the DynaTMT data analysis tool, regularly updating and documenting using GIT.
- Provide knowledge transfer by guidance and teaching on data analysis to team members.
- Consult on project design and implementation, offering technical expertise to 4 collaborators.
- Participate actively in team meetings and project planning within the Proteomics Unit.

PhD Researcher and Data Analyst

08/2019 – 06/2023

Prof. Christian Münch, Goethe University Frankfurt

- Specialized in mass spectrometry and proteomics.
- Developed a novel proteomics method for mitochondrial protein import research.
- Engaged in 20 interdisciplinary collaborations, resulting in 10 publications.
- Performed data analysis and visualization using Python, R, GraphPad, and Excel.
- Developed custom scripts and GUIs for lab use and personal projects.
- Curated, integrated, and ensured quality control of proteomics datasets.
- Conducted cell biology and biochemistry research using advanced techniques.

Python Programmer and Web Scraper (Part-Time)

2020 – 2022

Freelancer.com and Upwork.com (Username: science64)

- Completed more 50 projects related to programming.
- Specialized in web scraping, text extraction, and automation using Python.
- Created diverse scripts and applications including automated checkout bots and image processing tools.
- Skilled in debugging and optimizing code in multiple languages and managed Linux servers.

Research Intern

11/2018 – 03/2019

Prof. Anna Katharina (Katja) Simon, University of Oxford

- Developed a FACS assay to detect transcription factors in aged immune cells.

Education

PhD in Biochemistry

2020 – 2024 (expected)

Goethe University Frankfurt, Germany

MSc in Medical Biotechnology

2016–2019

Acibadem University, Turkey

BSc in Molecular Biology and Genetics

2011–2015

Izmir Institute of Technology, Turkey

Core Competencies

Expert

- Mass Spectrometry (translation, import, whole cell, phosphoproteomics, LFQ, TMT)
- Proteomics (Proteome Discoverer, Fragpipe, MaxQuant)
- Flow Cytometry (FlowJo, FACSuite)
- Omics Data Analysis and Integration
- Python and R Programming
- Web Scraping and Automation (Selenium)

Basic

- Machine Learning and Statistical Models
- Databases (MongoDB, PostgreSQL, SQLite)
- Javascript and HTML
- Cloud Computing (AWS Lambda)
- Workflow Management (Nextflow, nf-core for RNA-seq)
- Metabolomics LC-MS based (XSMS, MzMine, Metlin)

Soft Skills

- Creative Problem-Solving
- Collaborative Teamwork
- Independent Research
- Goal-Driven and Results-Oriented
- Effective Communication
- Mentorship
- Adaptability

Core Values

- Curiosity & Imagination
- Respect & Acceptance
- Freedom & Adventure
- Optimization & Efficiency
- Teaching & Nurturing
- Collaboration & Fun

Languages

English	C1
Turkish	Native
German	A2.1

Selected Publications

Current Total: **13** publications, **151** citations, H-Index: **6**. More on [Google Scholar](#).

- **Bozkurt S** et al. **2024**. *Methods in Enzymology*. ISSN 0076-6879.
- Schäfer JA*, **Bozkurt S***, Michaelis JB*. et al. **2022**. *Molecular cell*. 82(2):435-46. e7.
- Michaelis JB, Brunstein ME, **Bozkurt S**, et al. **2022**. *Nature Communications*.13(1):5164.
- Schmitt D, **Bozkurt S**, et al. **2022**. *EMBO reports*.23(12):e53065.
- Michaelis JB*. **Bozkurt S***, Schäfer JA* et al. **2022**. *Bio-protocol*. e4578-e4578