

Data Scientist / Data Analyst / Software Engineer

Full-time permanent employee, Munich, Germany

We are at the dawn of a new era: the omic era. New 'omic' technologies revolutionize medicine and lifestyle by producing large datasets from the molecular analysis of human samples. OmicEra Diagnostics aims to catalyze this revolution. We have developed a next-generation mass spectrometry pipeline allowing the mining of big data for the understanding of human health and disease states. This will ultimately result in earlier disease diagnostics, improved patient outcome, and novel treatment possibilities. Our team is fueled by a diverse knowledgebase, including leading proteomic scientists, artificial intelligence enthusiasts, and serial entrepreneurs. Together, we aim to change the way we think about medical diagnostics and implement the latest omic technologies in clinical routine.

We are based in Munich's biotech cluster in Planegg, offering an interdisciplinary environment with close connections to the renowned Max-Planck-Institute of Biochemistry, the Ludwig-Maximilians-University (LMU) Biocampus and the LMU university hospital, one of the largest hospitals in Europe. Additionally, we benefit from close collaborations with leading industry partners around the globe, offering cutting edge technology as well as fast and continuous development of our proteomics pipeline.

Your opportunity:

You are a skilled professional data scientist and want to translate groundbreaking science into next generation medical diagnostics and improved patient care?

We are seeking an exceptional Data Scientist to join our team based in Munich. This group develops and implements novel computational workflows for proteomic-based profiling. In this function, you will assist our R&D team, interact with the head of bioinformatics, the mass spectrometry and management team on a wide range of projects ranging from instrument control to advanced data analysis and biomarker discovery. The driving focus of the team is to extract value from large scale datasets produced by OmicEra Diagnostics' technology platform.

The ideal candidate will have a track record of accomplishments in academia or biotech industry. The successful candidate is likely to have a background in computer science, bioinformatics, molecular biology, or biochemistry with at least 3 years of experience in life science data analysis. This role requires superior skills in programs including Python, as well as a highly collaborative work ethic.

Your profile:

- M.Sc. or Ph.D. in Computer Science / Bioinformatics / Biomedical Engineering / Physics / Mathematics or related fields
- You enjoy to explore data and perform statistical analyses and complex modeling

- Demonstrated expertise in bioinformatics on omics data sets (preferably but not necessarily proteomics) and expertise in machine learning
- Ability to write clear, well-structured documented and performant Python code.
- Apply and develop visualization tools
- Present and report analysis results to the bioinformatics and management team
- Set up robust verification and validation data frameworks
- Proficiency with Git, CI/CD and the whole software engineering ecosystem
- Experience with databases (SQL, MongoDB) is a plus
- Experience with cloud computing (AWS) is beneficial
- You are highly organized and like to work in small and agile interdisciplinary teams.
- Excellent communication skills in written and spoken English
- Responding to flexible shifts in work tasks while meeting scheduled timelines in our fast-paced environment

What we offer:

- An agile and dynamic team dedicated to make a difference in medicine
- A healthy and fun start-up environment in a start-up setting
- A flat hierarchy
- Responsibility early on
- International working environment
- Flexible working hours
- Environment for continuous learning, including conferences and trainings

To achieve our mission, we need people who are willing to transform current medical diagnostics by developing novel ways to read out and analyze big data. We are looking forward to your application documents, including your CV and earliest possible starting date. Please send all relevant documents to doll@omicera.com and feel free to reach out for further questions.