Biostatistician / Bioinformatician – Proteomics

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, physicists, artificial intelligence enthusiasts, and serial entrepreneurs. Together, we aim to change the way we think about medical diagnostics and implement the latest omics 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 biostatistician and want to translate groundbreaking science into next generation medical diagnostics and improved patient care?

Join OmicEra! We are seeking an exceptional biostatistician to join our team based in Munich. This group develops and implements novel computational workflows for mass spectrometry-based proteomics. In this function, you will work closely with our R&D, the mass spectrometry and management team on advanced data analysis and biomarker discovery. You will be responsible for building on and optimizing an existing bioinformatics platform for proteomics and other data. You will develop front ends for this bioinformatic platform, visualize results and facilitate data processing to build an automated analysis framework. Moreover, you will leverage prior experience to improve methods to explore and facilitate data analysis and knowledge extraction for the identification of novel cancer biomarkers.

Your profile:

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 proficient skills in programming languages including Python as well as a highly collaborative working environment.

Contact: Dr. Philipp Geyer
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- M.Sc. or Ph.D. in Biostatistics / Computer Science / Bioinformatics / Biomedical Engineering / Physics / Mathematics or related fields
- Enthusiasm for tech and helping humanity on a large scale
- Motivation to work collaboratively in a dynamic, agile team environment
- In-depth understanding of statistical methods, including transfer learning and handling data drift
- Ability to translate scientific hypotheses into statistical models and interpret results of those models
- Expertise in biostatistics and bioinformatics on omics data sets
- Ability to write clean, well-structured, documented Python code
- Clear presentation of analysis results to the bioinformatics and management team
- Proficiency with Git, CI/CD, Cloud computing, and Docker
- Experience with databases (SQL, MongoDB) and workflow management (Apache Airflow) is a plus
- Excellent communication skills in written and spoken English

What we offer:

- An agile and dynamic team dedicated to make a difference in medical diagnostics
- A healthy and fun start-up environment with a flat hierarchy
- Responsibility and ownership 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 Sophia Doll (doll@omicera.com) and feel free to reach out for further questions.

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