

Algorithm Developer / 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, 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 algorithm developer / bioinformatician and want to translate groundbreaking science into next generation medical diagnostics and improved patient care?

Join OmicEra! We are seeking an exceptional and creative Algorithm Developer / Bioinformatician to join our team based in Munich. Using cutting-edge mass spectrometry-based proteomics technology, we acquire high dimensional data from clinical samples. You will be part of our experienced R&D team, working in a Scrum setting to develop innovative approaches to analyze proteomics and other omics datasets and implement novel algorithms for our data analysis pipeline. The driving focus of the team is to extract knowledge from clinical samples to generate large scale datasets produced by OmicEra Diagnostics' technology platform with the aim to discover novel cancer biomarkers to improve patients outcome.

Your Profile:

- M.Sc. or Ph.D. in Physics / Mathematics / Informatics / Computer Science / Bioinformatics / Biostatistics / Computational Biology / or related fields
- Enthusiasm for data exploration, algorithm development, statistical analyses and complex modeling
- Demonstrated expertise in working with data-driven or statistical approaches
- Experience in bioinformatics on omics data sets (preferably but not necessarily proteomics)
- Ability to write clear, well-structured, documented Python code

Contact: **Dr. Sebastian Virreira Winter**

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- Experience with Bayesian modeling is a plus
- Proficiency with Git, CI/CD and the whole software engineering ecosystem
- Highly organized and like to work in small and agile interdisciplinary teams
- Excellent communication skills in written and spoken English

Duties:

- Independently analyze experimental data, interpret results, present them to the team and propose next steps in the project
- Provide technical input and participate in decisions affecting project planning and experimental design
- Contribute to the intellectual property portfolio by implementing innovative and creative ideas
- Generate ideas to solve problems, apply tools from various fields to a project and improve currently used methods
- Present and report analysis results to the bioinformatics and management team

What we offer:

- An agile and dynamic team dedicated to make a difference in medicine
- A healthy and fun start-up environment with 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 Dr. Sebastian Virreira Winter virreirawinter@omicera.com and feel free to reach out for further questions.

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