

Data Scientist – Computational Biology

Full-time permanent employee, Munich, Germany

About Us

We are a biotech start-up, where science and technology converge to uncover tomorrow's biomarkers. As biomarkers become increasingly important for early disease detection, therapy guidance, and drug development, our mission is to lead the biomarker transformation of the health care industry. From just a tiny drop of blood, our newly developed mass spectrometry platform is set up to deliver novel insights into health and disease states of the human body. Our strategic collaborations with leading industry partners worldwide enable us to offer cutting-edge mass spectrometry technologies while continuously advancing our proprietary analysis pipelines. Our team is based in Munich's biotech cluster in Martinsried and we are leading scientists, AI enthusiasts and serial entrepreneurs, all united by one shared vision: to uncover actionable biomarkers that drive future diagnostics and therapeutic development.

Your Opportunity

Are you a skilled data scientist eager to translate groundbreaking science into the next generation of medical diagnostics and improved patient care?

We are seeking an exceptional Data Scientist to join our team in Munich. In this role, you will be at the forefront of developing and implementing cutting-edge computational workflows for mass spectrometry-based profiling of clinical samples such as human blood. Mass spectrometry-related domain knowledge is not required though. Your work will be pivotal in unlocking the full potential of large-scale datasets of hundreds to thousands of Gigabytes generated by our unique technology platform.

As a member of our R&D team, you will collaborate within a scrum team setup, working closely with colleagues and scientists both inside and outside the lab. Your projects will span a wide spectrum, from advanced data analysis and cloud computing to data visualization, software development, and biomarker discovery. The driving force of our team is to extract maximum value from the large-scale datasets produced by ions.bio's technology platform, directly benefitting patients.

Your Profile

- B.Sc. or M.Sc. in Computer Science / Bioinformatics / Physics / Mathematics or related fields
- 2+ years of working experience in data science
- You enjoy exploring data and perform statistical analyses and complex modeling
- Strong programming skills (preferably Python) and experience with data analysis pipelines
- Exceptional problem-solving abilities with experience in exploring and analyzing large-scale datasets
- Willingness to work on several projects simultaneously
- Affinity for working in small, agile, and interdisciplinary teams

- Solid presentation and reporting skills, with the ability to effectively communicate your findings to both scientist and management teams
- Ability to thrive in a fast-paced environment, adapting to shifting work tasks while consistently meeting deadlines
- Specifically valuable assets would be experience with TB-scale datasets, cloud computing (AWS/GCP), runtime and memory optimization of algorithms, and parallelization of code

Your benefits

- An agile and dynamic team passionate about making an impact in the field of medicine
- A healthy and fun start-up environment where creativity and collaboration are key
- A flat organizational structure that encourages open communication and empowers every team member
- Responsibilities early on, with opportunities to shape your career and the company's success
- Flexible working hours
- Option of partial remote work, giving you the flexibility to work from home when needed
- Environment for continuous learning, including conferences and trainings
- Subsidies for public transport and meal costs during working hours

To achieve our mission, we need people like you who are willing to transform current medical diagnostics by developing novel ways to 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 careers@ions.bio and feel free to reach out for further questions.