

Data Scientist

(m/w/d, 40 h/week)

About us

EB Research Institute GmbH is a non-profit biotech based in Salzburg, Austria. We are a joint venture between DEBRA Austria and Salzburg University Hospital. We are a translational research and development institute dedicated to improving lives of 'butterfly children'. The aim of our institute is to pioneer innovative approaches to treat a rare skin disease Epidermolysis bullosa (EB).

About the job

We are looking for a data scientist with proficiency in analysis and interpretation of omics data with sound background in statistics, coding and a solid understanding of molecular biology. The successful candidate will contribute to the generation, integration and interpretation of various OMICs data including single cell (sc-) and bulk-RNaseq data to accelerate target identification, validation and biomarker discovery efforts that support our preclinical programs advancing toward clinical development.

Key Responsibilities:

- Build and manage OMICs datasets (in specific bulk and sc-RNaseq) to support hypothesis generation and mechanistic understanding
- Perform target discovery and biomarker identification analyses using computational and statistical approaches
- Collaborate closely with wet-lab scientists, providing bioinformatics insights to guide research decisions and data-driven project progression
- Design and implement standardized end-to-end computational pipelines for multi-omics data analysis, including raw data processing, rigorous quality control, data analysis, and development of interactive visualization tools (e.g., Shiny applications).
- Ensure data quality, reproducibility and proper documentation across all research datasets and analysis
- Stay current with emerging bioinformatics and data science technologies relevant to preclinical and translational research

Skills required:

- Master's degree or PhD in Bioinformatics, Computational Biology, Data Science, or a related field
- Proven experience in handling large-scale biological datasets, especially scRNA-seq data

- Ability to leverage machine learning techniques to identify novel biomarkers and extract biological meaning from complex multi-omic data
- Solid understanding of molecular biology and translational research principles
- Proficiency in data analysis and programming languages, in specific R and Python, and familiarity with relevant bioinformatics tools (e.g. Seurat)
- Experience with data visualization and interpretation for non-computational audiences
- Ability to work interdisciplinarily with experimental biologists and contribute to multi-omics integration projects
- Strong communication, documentation and problem-solving skills
- Fluent in German and English language

Why Join Us?

- Opportunity to support cutting-edge research and make a meaningful impact
- Collaborative and innovative work environment
- Room for professional growth and development
- Competitive compensation package

Location: Salzburg, Austria

Employment Type: Full-time (40 h/week)

Salary: We offer a minimum monthly salary of € 4,000 gross for 40 hours per week, with a willingness to pay more depending on experience and qualifications.

Equal Opportunity statement: We are an equal opportunity employer and value diversity at our company. All submitted CVs pass through the same application process, regardless of gender, religion, colour, national origin, sexual orientation, race, age, disability, marital status, parental status, or any other non-merit factor.

More information: www.eb-ri.org; www.debra-austria.org

Contact: Dr Hana Cernecka

Please send your applications to: info@eb-ri.org