

Director Data Scientist, Bioinformatics — EMEA, Hybrid

Responsibilities:

- Develop in silico capabilities to enhance multi-omics technologies for measuring transcripts, proteins, and metabolites at bulk and spatial levels, aiming to uncover new mechanisms of action for our compounds.
- Utilize computational biology techniques, data integration, and biological knowledge to drive hypothesis generation.
- Establish new predictive capabilities using computational biology to translate omics data into biological insights for predictive safety assessments.
- Collaborate with academic research groups, leverage external grants, and contribute to publications in peer-reviewed journals.
- Provide education and training to the whole team in omics data interpretation and related fields.
- Mentor and support junior staff members and postdoctoral researchers.

Required Skills/Experience:

- PhD in computational biosciences (such as computational biology, bioinformatics, genomics, or computer science) preferred; MSc (or equivalent) with experience in independent research involving high-throughput omics data will also be considered.
- Extensive experience with various large-scale omics data types, including transcriptomics, proteomics, metabolomics, epigenetics, genomics, or CRISPR gene editing data analysis. Expertise in additional computational biology domains is a plus.
- Experience in developing predictive safety models for organs such as the liver, heart, kidney, or lungs.
- Proficiency in data science techniques, including machine learning and statistical analysis for biological applications.
- Strong programming skills in R or Python, along with experience in data visualization frameworks.
- Collaborative team player with the ability to explain complex topics to scientists from other disciplines.
- Proven track record of leading highly collaborative cross-functional teams.
- Prior experience in the biopharmaceutical industry with a general understanding of drug development and pharmacology.
- Effective communication skills in English, both written and spoken.

Preferred Skills/Experience:

- Experience in independent scientific research.
- Background in computational toxicology and predictive safety, with knowledge of molecular mechanisms of disease or human biomedicine, particularly in a drug safety context.
- Familiarity with drug discovery or pharmaceutical development, including new modalities such as Car-T, ADC, cell and gene therapies, and oligonucleotide-based therapeutics.
- Ability to manage multiple projects simultaneously.