



Medior/ Senior Bioinformatics Scientist - Discovery & Preclinical UK (London)

Who are we?

BioLizard ("The Lizards") is a rapidly growing bioinformatics and data science consultancy that helps biotech and pharma organizations transform complex biological data into actionable insights. We combine deep biological expertise with state-of-the-art computational methods to accelerate drug discovery, biomarker development, and translational research.

As a BioLizard consultant, you'll work on-site at our client's premises, embedded as part of their bioinformatics team, supporting the discovery teams across different programs, to explore biological mechanisms and drive data-informed decisions in early R&D. You'll collaborate closely with experimental scientists and computational peers to identify new targets, characterize models, and refine hypotheses that shape future therapies.

Your Role

You will support target identification, validation, and biomarker discovery through integrative analysis of molecular data across systems and disease models.

You'll be part of a dynamic environment where curiosity, collaboration, and biological understanding meet data-driven rigor.

Key Responsibilities

- Process, integrate, and interpret omics datasets (transcriptomics, single-cell, spatial, proteomics, metabolomics, epigenomics) to derive biological insights.
- Develop and apply computational methods and pipelines for model characterization and mechanism-of-action studies.
- Use functional interpretation approaches (pathway enrichment, causal reasoning, module detection) to translate data into biological hypotheses.
- Work collaboratively with discovery scientists to refine target selection and understand mechanism relevance to disease biology.
- Communicate analytical findings through clear visualizations, summaries, and presentations to multidisciplinary project teams.
- Ensure reproducibility, version control, and documentation of analyses following best practices.

Qualifications & Skills

Essential

- PhD in Bioinformatics, Computational Biology, Biostatistics, or related field (or equivalent experience).
- **3–10 years of relevant experience** in bioinformatics applied to preclinical or discovery-stage R&D in a business context.
- Proven expertise in omics data analysis and biological interpretation.
- Proficiency in R and/or Python, with experience in HPC or cloud computing environments.
- Strong grounding in statistics, data integration, and visualization.
- Excellent stakeholder management & communication skills to bridge computational and experimental disciplines.
- Fluent in English.

Preferred

- Familiarity with target discovery and preclinical model systems (in vitro, in vivo, or patient-derived).
- Experience with multi-omics integration, network analysis, or causal inference.
- Understanding of immunology, neuroscience, or related therapeutic areas.
- Knowledge of Git-based workflows and reproducible analysis pipelines (Docker/Snakemake/Nextflow).

What We Offer

- Opportunity to work in the UK (London)
- A chance to work embedded within our client's world-class discovery teams, while being part of BioLizard's scientific community.
- Continuous learning through mentorship, internal expertise sharing, and exposure to cutting-edge science.
- A collaborative, growth-oriented culture where your work directly impacts the discovery of new medicines.
- Competitive salary and benefits package.

Interested? Get in touch!

Please send your CV with a one-page motivation to HR@lizard.bio
Find out more information at www.lizard.bio.