



Scientific Data Engineer, Biological Knowledge Graph

Remote, full/part-time, Mid-to-senior

About us

We are an early stage, science driven startup building at the intersection of biology, data, and innovation. We are creating something ambitious from the ground up and are looking for people who enjoy working closely with the founder, taking ownership early, and helping build strong internal structures from day one.

The role

Our results depend on reconciling computational output with experimental measurement at fine granularity, across public data sources that disagree with each other, for biological constructs that differ from their reference sequences in ways that are easy to miss. Get it wrong and the headline result fails, or passes by coincidence, and the number alone will not tell you which.

Around that you will build the integration layer for the whole programme: a provenance-tracked graph linking biological entities, structures, compounds and published measurements, assembled from a dozen sources that update independently.

What you will do

- Build authoritative, tested identifier and coordinate mapping across sequence databases, structural databases and experimental readouts
- Design and populate a heterogeneous biological knowledge graph with typed relationships and full provenance on every edge
- Implement graph analytics consumed by the modelling pipeline
- Guarantee held-out data integrity, ensuring no derived feature leaks a withheld validation system

What you will bring

- Experience building heterogeneous scientific knowledge graphs, with genuine ontology alignment work behind you
- Bioinformatics identifier plumbing: sequence and structure database cross-mapping, isoform and construct handling, sequence-to-structure alignment
- Strong Python and a graph query language

- Enough structural-biology literacy to spot a mapping that is silently wrong

Bonus: Data versioning and lineage tooling, FAIR data practice, prior work in a life-science data integration team

What we offer

- The opportunity to join early and help build the company from the ground up
- Meaningful ownership and real responsibility from day one
- A fun, ambitious, and supportive startup environment
- Close collaboration with the founder and direct exposure to key business topics
- The chance to shape processes, ways of working, and how the company grows
- A fair share in the upside of what we are building together

How to apply

Please send your CV and a short motivation letter to contact@mithryon.com.