



Structural Bioinformatics Lead (Engine Architect)

Remote, full/part-time, 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

Part of the platform exists. You will complete it, lead it, and take responsibility for the technical judgement calls along the way. That includes a genuinely novel piece of physical modelling at its core, the surrounding pipeline, and the calibration of the whole system against experimental measurement.

This is the most senior technical role in the company and the work is milestone-gated on a defined schedule. You will be judged on whether the platform performs against criteria set before the data existed.

What you will do

- Own the scientific architecture of the platform and the technical standards the team works to
- Lead the development of its central physical model, from concept through to a version fitted against experimental data
- Direct a team of four computational scientists
- Drive calibration of the platform against experimental structures, kinetics and biochemical measurement
- Represent and defend the science to an external advisory committee, to our academic partner, and in publication

What you will bring

- PhD plus significant postdoctoral or industry experience in structural bioinformatics or computational structural biology
- Demonstrated ownership of a modelling pipeline other scientists depended on
- Deep working knowledge of ubiquitin-proteasome biology: cullin-RING architecture, E2 geometry, neddylation, priming versus elongation
- Strong Python, with practical command of RDKit, structural file handling and protein-protein docking frameworks
- A record of building models that get fitted to data and revised when the data disagree

Bonus

- Prior work on PROTAC or molecular-glue ternary complexes
- direct collaboration with experimental structural biologists
- experience defending methods to sceptical reviewers
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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.

