

Job: Scientist in Structural Biology /Molecular Modelling

at AION Labs portfolio Biotech start-up CombinAble.AI located in Rehovot, Israel

We are looking for a motivated researcher in the field of structural bioinformatics with a keen interest in working at the interface of molecular sciences and AI. The selected candidate will work closely with AI engineers to help us develop a cutting-edge AI solution for the optimization of therapeutic antibodies

Tasks and Responsibilities:

Utilize expertise in structural biology and molecular modeling to evaluate the biophysical properties of antibodies. Develop strategies to improve the efficiency of AI-driven solutions for optimizing therapeutic antibodies' manufacturing and pharmaceutical characteristics. Collect, analyse, and process data to train an AI platform focused on antibody optimization. Stay updated on scientific advancements in Ab optimization by reviewing publications and actively engaging in knowledge exchange with experts from pharma partners.

Ideal candidate profile:

- An academic degree in structural biology, bioinformatics, biochemistry, or related fields.
- Proficiency in molecular modeling and simulation software and tools (e.g., one of the Molecular Dynamics Simulations packages; Rosetta tools; molecular visualization programs: PyMol, VMD; molecular modeling software such as MOE, Schroedinger, etc.) and understanding of common bioinformatics algorithms and workflows.
- Proficient in Python and familiar with one of the bioinformatics packages (e.g., Biopython, Bioconda).
- Good knowledge of Linux OS; bash scripting.
- Experience in the application of ML algorithms and tools to biological sequences or protein structures or knowledge of biophysical assay is a plus.
- Curiosity, flexibility, and a strong motivation to keep up with new tools and trends.
- Excellent communication and teamwork skills as well as the ability to work independently.
- The ability to convey technical and project information clearly to both discipline experts and non-experts.

We offer:

- Exciting and innovative working environment
- Opportunity to be a part of ground-breaking research in a new and exciting area, build a methodology from scratch, leaving a lasting impact on the field
- A unique opportunity to gain experience and expertise working in partnership with multiple pharmaceutical R&D teams and industry experts
- A role with growing responsibility, and versatility, including the impact on the company's operation and growth; fast career development
- Competitive compensation and a company share option plan.

For inquiries, please contact: info@combinable.ai



CombinAble.AI is an innovative Biotech start-up dedicated to pioneering an AI platform tailored for antibody optimization. Our primary goal is to revolutionize the optimization process of antibody candidates into a safe and efficient therapy by accelerating and shortening the overall drug discovery cycle, which will ensure faster and cheaper therapeutics.

AION Labs is a first-of-its-kind Venture Studio built by global pharma, tech leaders, and investors that have come together to create and adopt AI technologies that will transform the process of drug discovery. We maintain a close relationship with our Pharma R&D partners to identify strong needs and tap into unexplored data.

We believe that different perspectives contribute to innovative solutions. If you're an AI professional or a computational scientist with a strong affinity for data, an experienced entrepreneur or a drug discovery expert, you'll find yourself at home with us.

