Computational Biology Researcher – Job Description

Location: Center of Israel

Background:

Dexcel Pharma has launched an exciting innovative initiative focused on the development of RNA therapeutics. We are looking for a highly motivated and experienced computational biology researcher to join our team.

The computational biology researcher will handle the bioinformatics aspects of diversified drug discovery projects, ranging from identifying innovative ideas, to accompanying R&D teams in the advancement of novel drugs to the clinic. The successful candidate will combine functional genomics, data mining, and analysis of in-house and external Omics datasets, and will work closely with experimental biologists and other computational colleagues.

This is a truly unique opportunity to be part of an early-stage venture, but with the backing of a well-established pharmaceutical company. Our vision is to become a prominent player in the RNA therapeutics industry, and contribute to the Israeli biotech and pharma ecosystem in a meaningful way. You will be working in an informal and personal atmosphere, and your passion and competencies will shape the borders and significance of your position.

Role Responsibilities:

- Develop new algorithms or customize existing computational tools to analyze various biological data sets
- Ideation of solutions and processes to support R&D activities
- Critically review and analyze results, and effectively communicate them to colleagues from various disciplines: biology, chemistry, medicine, IP, etc.

Ideal Experience:

- PhD in computational biology or a related field (or equivalent industry experience)
- Versatile hands-on experience in addressing biological and\or pharmaceutical questions
- Good understanding of biological systems and principals
- Experience and a solid background in statistical data analysis and visualization using Python or R
- Good knowledge of available bioinformatics tools and databases
- Ability to generate novel pipelines to analyze unique types of data
- Experience in analyzing large-scale molecular datasets: pathway analysis, NGS data (genomic and transcriptomic) and other Omics data types
- Background in machine learning - strong advantage

Individual Profile:

- Team player
- Independent, self-motivated and rigorous
- A creative thinker
- Excellent oral and written communication skills (English)
- High level of integrity
- 'Get the job done' attitude, with a sense of urgency
- Able to communicate openly and effectively
- Quick learner with an ability to rapidly dive into and master new scientific realms
- A positive attitude, curiosity and willingness to continually learn new skills
- Passion for medicine and desire to make a positive impact

For details, please contact Osnat: osnat.penn@dexcel.com