

Computational Biology Scientist – Job Description

Location: Tel Aviv (options for hybrid or full remote work)

Dexoligo Therapeutics is the RNA therapeutics arm of Dexcel, developing innovative siRNA and antisense based therapies.

We are currently looking for an outstanding individual to join our growing computational biology team, to take on the challenges of identifying high-quality gene targets, by mining data from extensive human genetic and genomic datasets (such as the UK Biobank), as well as other public resources.

This role offers a rare chance to engage in a dynamic, interdisciplinary environment, with opportunities to impact the development of potentially revolutionizing therapies.

Role Responsibilities:

- Design, develop, and utilize computational tools to mine high-dimensional data and genomic databanks, such as the UK Biobank.
- Analyze human genetic data (GWAS, QTLs, etc.) and omics information (genomics, transcriptomics, and proteomics). Integrate and perform appropriate analyses to translate such data into potential novel therapeutic targets.
- Collaborate closely with biologists, clinical researchers, and various experts.

Ideal Experience:

- PhD in Computational Biology, Statistical Genetics, Bioinformatics, Quantitative Genetics, Biostatistics, Human Genetics, Genetic Epidemiology, or related field (or equivalent industry experience)
- Experience in genomic data analysis, preferably involving large biobanks like the UK Biobank.
- Experience and a solid background in statistical data analysis using Python or R
- Pharmaceutical or biotech experience - a major plus
- Familiarity with drug target discovery processes - a major plus
- Deep understanding of GWAS, TWAS, eQTLs, pQTLs, variant annotation, pathway analysis – a major plus
- Knowledge of Mendelian Randomization techniques and applications - a plus
- Post-doctorate in related fields - a plus

Individual Profile:

- Team player
- Independent, self-motivated and rigorous
- A creative thinker
- Excellent problem-solving, teamwork and communication skills
- 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@dexoligo.com