
Bioinformatic/Machine learning Team Leader – Target Identification

Job Description

Key responsibilities

- Perform text mining to link identified targets to disease biology and/or pathways
- Design transcriptomic and proteomic experiments and perform analysis to support Target Discovery and Validation
- Develop predictive modeling, machine learning and build analytics pipelines
- Explore new data sets to understand feasibility of new use cases
- Collaborate and manage projects with internal teams and external partners
- Implement departmental machine learning-based strategy to support drug discovery activities across fibrosis and oncology
- Establish and nurture academic collaborations to drive AI/machine learning-based research

Required qualifications and skills

- You have a Master's degree or PhD in bioinformatics or Life Sciences with proven experience in bioinformatics. At least two years of working experience, preferably in a biotech or pharma environment
- You have broadly applicable general bioinformatics skills (expression data analysis, pathway analysis, databases and repositories in the public domain)
- Significant experience solving regression problems using machine learning
- Proficient with either R or Python
- Proficient with relational databases and SQL
- Knowledge of disease related pathways and systems biology approaches, expression-data analysis, experience with developing analysis strategies in transcriptomics and/or genetics is a plus
- Experience with text mining in a drug/target discovery environment is a plus
- You are a team player with excellent communication and interpersonal skills, able to present data analysis results and explain bioinformatics methodologies clearly and convincingly to multidisciplinary teams
- You are fluent in English and you are familiar with project-based working

We expect the successful candidate to be enthusiastic, motivated and with a "can do" attitude. While independent, (s)he will also be a proactive and strong team player able to contribute to decision-making. This position reports to the Chief Scientific Officer.

Job Type: Full-time

Location: Royal Free Hospital

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