

Job Description

Senior Statistician		
Grade:	5	Grade Responsibilities:
Salary:	Highly competitive salary depending on experience, with extensive benefits	<ul style="list-style-type: none"> ▪ Provide leadership or management to key projects within area of expertise. ▪ Apply knowledge in area of specialism to influence project progression. ▪ Make independent decisions that determine the successful delivery of project outcomes. ▪ Proactively troubleshoot to identify solutions to problems in own area of work. ▪ Contribute ideas to improve working practices.
Location:	Hybrid working coupled with office – London Office	
Reporting to:	Senior VP Drug Discovery	

The Company

C4X Discovery is a pioneering Drug Discovery company combining scientific expertise with cutting-edge technologies to efficiently deliver world leading medicines. We have a highly valuable and differentiated approach to Drug Discovery through our enhanced candidate molecule design and patient stratification capabilities, generating small molecule drug candidates across multiple disease areas focussed on immuno-inflammation.

Our commercially attractive portfolio ranges from early-stage target opportunities to late-stage Drug Discovery programmes and we have three commercially partnered programmes with one candidate in clinical development.

The Role

The Human Genomics team at C4XD is a multidisciplinary group of Data Scientists and Bioinformaticians who work with genetics and multimodal datasets to provide data-driven insight for complex diseases to advance drug discovery and precision medicine within C4XD. PatientSeek is C4XD's precision medicine platform, which applies the unique mathematical approach of Taxonomy3® to stratify patients for novel treatments based on their genetics with multi-modal phenotypic data.

Responsibilities

- Statistical modelling of biological and clinical datasets, including longitudinal measures, using an appropriate statistical programming language (e.g. R/python).
- Provide expert knowledge to support and improve the underlying mathematical principles of the PatientSeek and Taxonomy3 methodology.
- Propose and develop new analytical features for the PatientSeek precision medicine platform.
- Co-ordinate with other researchers in C4XD and external collaborators to ensure the projects progress smoothly and efficiently.
- Communicate results to the wider C4XD organisation.
- Ensure record keeping and archiving of data is up to date and accurate.
- Ensure C4XD and external data privacy policies are adhered to.
- Support business development activities when required.

- Support reputational building with publications and poster and oral presentations at conferences.
- Support appropriate protection of genetic and biological intellectual property.

Education & Experience / Technical Skills

Essential

- Ph.D. (or M.Sc. + relevant experience) in mathematics or statistics
- Experience working with Electronic Health Records or Real World Evidence/Data
- Experience modelling longitudinal biological or clinical data
- Knowledge and understanding of Bayesian statistical methods
- Knowledge and understanding of data privacy issues and requirements.
- Experience with IT tools (e.g. cloud computing, AWS, Linux, HPC), programming languages (e.g. R, Python, SQL, bash), and version control management (e.g. git).
- Highly self-motivated, flexible and organised.
- The ability to work independently but know when additional input is required.
- Excellent communication and presentation skills.
- Creative thinking and enthusiasm for innovation.

Desirable

- Knowledge of immuno-inflammatory diseases (e.g. rheumatoid arthritis, IBD)
- Understanding of biology / human genetics / bioinformatics
- Experience working in a multi-disciplinary team in a biotech or pharma setting