

F-STAR JOB DESCRIPTION

POSITION:	Bioinformatician/Data Scientist – Senior Scientist
DEPARTMENT:	Translational Development
LOCATION:	Cambridge, UK
ABOUT F-STAR:	<p>At F-star, we are dedicated to developing next generation immunotherapies to transform the lives of patients with cancer. We develop mAb², a novel class of disruptive bispecific antibody-based therapies that have the potential to overcome tumor resistance and restore anti-cancer immunity and responsiveness.</p> <p>We are committed to delivering life-changing treatments for the estimated 80% of patients with cancer who currently fail to have a durable response to immunotherapies.</p> <p>Our wholly owned pipeline shows focused and potent immune activation, with a promising safety profile to date.</p> <p>F-stars research team is based in Cambridge UK with an expanding footprint in the US from our Hub in Cambridge, Massachusetts to support our clinical stage requirements.</p>
JOB PURPOSE:	<p>The Translational Development team is growing to meet the exciting challenges of pre-clinical and clinical big data initiatives at F-star, including DNA and RNA expression, digital spatial profiling and proteomics.</p> <p>We are seeking a creative, proactive and highly motivated Bioinformatician/Data Scientist with strong expertise in cancer genomics and/or immuno-oncology to join the team as a Senior Scientist.</p> <p>The role, which is fully integrated in the Translation Development group, will involve working across multiple teams and projects to deliver actionable insights from clinical and pre-clinical data and developing F-star’s bioinformatics capabilities to discover new biomarkers. You will generate novel hypothesis and develop our biomarker plans through the design of experiments and the analysis of in-house generated and publicly available multi-omics clinical pharmacology datasets.</p>
KEY RESPONSIBILITIES:	<ul style="list-style-type: none"> • Work within and across teams to understand various scientific and technical challenges and proactively impact these using bioinformatics. • Apply appropriate analytical approaches to deliver actionable insights driving patient selection, biomarker discovery and development of the next generation of cancer therapeutics. • Integrate publicly and in-house generated dataset to produce multiparametric analysis from different biomarker platforms. • Provide innovative ways to identify and visualise meaningful patterns in complex data. • Develop methods for omics-based characterization of drug response. • Work within and across multidisciplinary teams/projects to translate findings into clinically applicable biomarkers for patient response and stratification. • Work collaboratively to influence generation of data assets. • Share code and train peers in the tools critical to understanding complex data. • Collaborate with industry partners and academia. • Publish your work in high impact journals.
PERSON SPECIFICATION:	<p>Essential:</p> <ul style="list-style-type: none"> • You will have a PhD/DPhil in bioinformatics, computational biology, natural sciences/molecular biology/genetics/biochemistry, bioengineering, computer science, statistics, pure/applied maths, physics, or a related field. • You will have a minimum of 3+ years of data science/bioinformatic research expertise in a cancer research/immunology related fields (e.g., cancer genomics and/or immuno-oncology projects)

- You'll be experienced in analysing and integrating data from one or more of the following: genetics, transcriptomics (single cell or bulk), proteomics and flow.
- You'll be proficient with at least one common programming language and statistical programming (e.g., R, Python).
- You will be familiar with linear and mixed models, Bayesian Inference and machine learning.
- You'll have the capability of successfully managing multiple simultaneous projects.
- Your communication and presentation skills will be excellent, both face-to face and in remote environments.

Desirable:

- Experience in industry/ biotech and/or core facility environments.
- A deep understanding of the tumour microenvironment and the molecular mechanisms driving cancer.
- Background in working with clinical data.
- Familiarity with cancer databases: TCGA, ICGC, Cosmic etc.
- Knowledge in immunology/immuno-oncology

What F-star can offer you

We get things done, we keep things simple, and we're driven by the science. We're ambitious so we work hard to create an environment where we can take smart risks. We want to be innovative so encourage debate and collaboration to challenge the usual way of doing things. We love our celebrations, teamwork and perks, which make F-star a fun and diverse place to work. And most of all, everyone has the opportunity to make a difference.

Benefits:

- Pension (8% Employer contribution)
- Equity Incentives
- Private Medical Insurance
- Health cash plan
- Life assurance
- 25 days holiday, plus the option to buy 5 days.
- Travel insurance
- Enhanced Maternity, Paternity, Adoption pay
- Flexible working opportunities