

GSK Biostatistics



Non-Clinical and Translational Statistics (NCTS)

What do we do?

Finding safe and effective new medicines is a long and expensive process, so it helps to start in the right place! In Non-Clinical and Translational Statistics, we play a vital part at the birth of many prospective medicines and therapies through our work in helping top laboratory and product development teams, from the earliest stages of drug discovery through to the successful launch of new medicines.

Our advanced modelling enables scientists to unravel the mechanisms of human disease, evaluate competing theories and explore potential new treatments using high-dimensional genomic and bioimaging data. The robust quantitative evidence we deliver guides the selection of drug targets and the decision frameworks for their earliest tests in humans. Our impact continues throughout the development journey and extends to working with product teams to develop high quality, cost-efficient manufacturing processes.

How do we do it?

We can only make our valuable contribution to the discovery and development of new treatments if we are ceaselessly innovative. We use advanced statistical methodologies (including machine learning), classic ideas from Design of Experiments, and modern data science techniques to bring statistical thinking to life.

Our mission is to make statistical-thinking, risk-based approaches and decision-making the core of R&D life. Consequently, we ensure - by strong communication, generous collaboration, effective training and software provision - that our scientist develop a sound understanding of statistical design and analysis for themselves as well as partnering with us.

What can we offer you?

We can give you a seat in a close and tightknit team of dedicated statistical scientists who prize our independence and relish a working environment of constantly evolving technologies and methodologies. You will be trained to learn, use and even develop cutting-edge statistical methodologies on a wide variety of projects. You will have the chance to influence every part of a drug's development, from the earliest stages of discovery, through pre-clinical development, translation into humans to its manufacture.



We want smart, inventive people, with the appetite and ability to learn continuously, who actively crave cross-functional scientific environments as a spur to their statistical creativity."

Graeme Archer
VP, Non-Clinical and Translational Statistics