

# GSK Biostatistics



## Statistics and Data Science Innovation Hub (SDSIH)

### What do we do?

Decisions about how and even whether to continue researching new medicines and vaccines must be taken at every stage of their development. These choices are difficult because they are based on incrementally accumulating but never definitive data. By synthesising the existing evidence and balancing it against what is uncertain, SDSIH plays a pivotal part in ensuring decision-makers are well-informed about likely risks and rewards of different development plans. Our expertise in statistical modelling, machine learning and data science engineering drives speed and efficiency across GSK's portfolio.

### How do we do it?

The impact of our work depends on our ability to explain its value to other people. For this reason, we put effective communication at the heart of all we do. We share our skills with others in GSK, consulting to project teams as well as senior leaders. We develop practical tools to ensure that our innovations are embedded where they can be most useful. And we collaborate widely and successfully with our peers in the industry, academia and regulators to influence the new directions in which statistical and data science strategies are being taken.

At a technical level, our team encompasses a very broad spectrum of statistical and data science capabilities. We have expertise in data wrangling; model development and validation; efficient trial design, output processing and app/interface building. As innovators, we are always looking for opportunities to pioneer more agile ways of working and discovering together.

### What can we offer you?

A role in SDSIH combines scientific challenge, intellectual excitement and hands-on learning opportunities to develop your statistics and data science skills in varied and often novel situations on projects whose practical implication will contribute significantly to the creation of life-saving medicines and vaccines. And you will be joining us at an ideal time as all of R&D embraces a strongly quantitative mindset, sharing our belief in the value of data-informed decision-making.



*I am hunting for innovators who want to use the power of statistical thinking and data science technologies to help decision-makers take smart risks. If you are someone who, confronted with a statistical or data science problem, does not always reach for the same tool to solve it, I want to meet you!"*

**Nicky Best**

VP and Head of Statistical and Data Science Innovation Hub