

Dr Jyoti Nangalia

Research Scientist and Haematologist

Wellcome Sanger Institute and Cambridge University

Dr Jyoti Nangalia received her medical degree and first class BA from Cambridge University. She subsequently trained clinically in haematology and haemato-oncology. She received her PhD at the University of Cambridge and the Wellcome Sanger Institute with a focus on the genetic changes that occur in cancers, during which time she discovered *JAK2* mutations as a causative genetic driver of a particular type of chronic blood cancer called myeloproliferative neoplasms. *JAK2* mutation testing in hospitals is now routine clinical practice internationally, with new therapies targeting mutant CALR in clinical trials.

Her research group is based at the Wellcome Sanger Institute and the Cambridge Stem Cell Institute at Cambridge University. Her team's research focuses on understanding the changes in our DNA over life (both somatic mutations and methylation changes) and how these relate to health, ageing and age-related diseases. Clinically, she is a practising Consultant haematolo-oncologist in Cambridge, United Kingdom and a national expert in the treatment of chronic blood cancers and cancer genomics.