



MRC FOUR-YEAR PHD PROGRAMME IN HUMAN GENETICS, GENOMICS AND DISEASE

Chromosome Segregation in the Mouse Germline

Ian Adams

Decoding the precise spatial and temporal dynamics of PAX6 cis-regulatory landscape

Wendy Bickmore

A dedicated Nonsense-mediated (NMD) pathway in the endoplasmic reticulum (ER-NMD)

Javier F. Caceres

Functional genomic interrogation of trans-eQTL regulatory hubs and the role of functional epistasis in the development of large bowel cancer

Malcolm Dunlop

Functional Analysis of Eye Field Transcription Factors Using In Vitro Differentiation of Embryonic Stem Cells

David FitzPatrick

Understanding mitotic chromosome unpackaging

Nick Gilbert

Chromatin Architecture, Enhancer Structure and Congenital Abnormalities

Bob Hill

DNA outside the nucleus in autoinflammation and carcinogenesis

Andrew Jackson

Next generation RNA genotype-phenotype mapping

Grzegorz Kudla

Protein assembly in human genetic disease and cancer

Joe Marsh

The Role of DNA methylation in cellular transitions

Richard R Meehan

Decoding mammalian cilial diversity in the brain

Pleasantine Mill

Dynamics of transcription factor concentration, chromatin-binding kinetics and cell-to-cell variability during zebrafish Zygotic Genome Activation

Dimitrios Papadopoulos

ALDH enzymes in melanoma stem cell lineages

Liz Patton

Predicting disease risk from the genetic determinants of RNA velocity

Chris Ponting

Using synthetic biology to understand how the epigenome is programmed in cancer

Duncan Sproul

Identifying rare large-effect variants in isolate populations

Quantitative Trait Loci (QTL)

Chromatin manipulation to enhance genome editing outcomes

Andrew Wood

Applications are invited from outstanding candidates to join an innovative and exciting MRC funded 4-year multidisciplinary PhD programme in Human Genetics, Genomics and Disease at the MRC Human Genetics Unit (HGU), the University of Edinburgh. 8 studentships are available to start in September 2018 with a stipend of £17,500 p/a. Application closing date Friday 12th January 2018.

For further information and details of how to apply please visit:

www.ed.ac.uk/mrc-human-genetics-unit/study-with-us



THE UNIVERSITY
of EDINBURGH