



Recent Advances in Genetics: a Third Teachers' Conference

To be held

**Nowgen Centre
29 Grafton Street
Manchester M13 9WU**

on

Wednesday, 26th June, 2019

Admission is **FREE**, but strictly by ticket, available from:
The General Secretary, The Galton Institute
19 Northfields Prospect, London SW18 1PE
executiveoffice@galtoninstitute.org.uk
www.galtoninstitute.org.uk

Speakers and Organisers

Dr George Burghel	Manchester University NHS Foundation
Professor Dian Donnai, CBE	Manchester Academic Health Science Centre, University of Manchester; Centre for Genomic Medicine, St Mary's Hospital, Manchester and The Galton Institute
Professor Simon Hubbard	University of Manchester
Mr Robert Johnston	The Galton Institute
Professor Andrew Read	Manchester Academic Health Science Centre, University of Manchester, Centre for Genomic Medicine, St Mary's Hospital, Manchester and The Galton Institute
Dr Eleni Tholouli	Manchester University NHS Foundation
Dr David Thybert	Earlham Institute, Norwich Research Park, University of East Anglia
Dr Emma Woodward	Manchester University NHS Foundation
Professor Veronica van Heyningen, CBE, FRS	President of The Galton Institute, Institute of Ophthalmology, UCL, London and MRC Human Genetics Unit, IGMM, University of Edinburgh

Conference organisers:

Professor Dian Donnai, Professor Veronica van Heyningen and Mr Robert Johnston

Recent Advances in Genetics: a Third Teachers' Conference

10.15-10.30	<i>Welcome and Introduction</i> Mr Robert Johnston
10.30-11.10	<i>Epigenetics</i> Professor Andrew Read
11.10-11.40	Coffee
11.40-12.20	<i>Precision genomics for cancer</i> Dr Emma Woodward
12.20-13.00	<i>Big Data Genetics: the 100,000 Genomes Project</i> Dr George Burghel
13.00-14.00	LUNCH
14.00-14.40	<i>Genetic/genomic approaches to studying evolution</i> Dr David Thybert
14.40-15.20	<i>T-cell therapy and cancer</i> Dr Eleni Tholouli
15.20-15.50	<i>Tea and Discussion</i>
15.50-16.30	<i>What is bioinformatics? How do you become a bioinformatician?</i> Professor Simon Hubbard

Mr Robert Johnston will chair the proceedings

The Galton Institute was established in its current form in 1989 in memory of Sir Francis Galton (1822-1911), one of the UK's most distinguished Victorian scientists and a cousin of Charles Darwin.

The scientific study of human heredity was one of Galton's many areas of endeavour, and The Galton Institute was set up to promote research and understanding in all aspects of this field.

There have been huge advances in the scientific understanding of heredity and genetics over the last century. Partly informed by these insights there has been a concurrent revolution in social attitudes towards the role of 'nature' and environment in human development and achievement. Consequently, the Galton Institute of today reflects the multidisciplinary nature of current research, with geneticists, clinicians, demographers, bioinformaticians, sociologists, psychologists, statisticians, teachers and other professionals working together with the aim of improving knowledge of our species and its challenges.

The Galton Institute is committed to stimulating and informing public debate on human heredity and associated questions, and seeks to promote public engagement with, and communication of, these topics.

Aims

The Institute promotes and supports the scientific exploration of all aspects of human heredity through:

1. Education and communication with all interested individuals and groups.
2. Stimulating and informing public debate on the social and ethical implications and relevance to human well-being.
3. The study and understanding of the historical origins and development.

Activities

The Institute has a wide range of interdisciplinary interests relating to the scientific study of human inheritance and promotes communication of these investigations through:

- An annual conference in which a topic of current and international importance relating to human heredity is explored by experts from different disciplines. The symposium is the occasion for the delivery of the annual Galton Lecture by an eminent invited speaker.
- Support for conferences and other activities of kindred organisations relevant to its aims.
- Publication of the *Galton Review*, available on the website and received free of charge by Members, Fellows and most UK university libraries.
- Publication of occasional booklets on subjects relevant to its aims.
- Support work on reproductive health and fertility control in the UK and elsewhere under the aims of the Artemis Trust.

www.galtoninstitute.org.uk