



THE GALTON INSTITUTE
and
THE FISHER MEMORIAL COMMITTEE

A CONFERENCE ON
HUMAN GENETIC DIVERSITY

To be held in the Kohn Centre at
The Royal Society
6-9 Carlton House Terrace, London SW1Y 5AG
on
Wednesday, 14th November, 2012

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

Speakers and Chairmen

Professor Sir Walter Bodmer, FRS	Department of Oncology, Weatherall Institute, Oxford and The Galton Institute
Professor Carlos Bustamante	Stanford School of Medicine, USA
Professor Peter Donnelly, FRS, F.MedSci	Department of Statistics, Oxford and Wellcome Trust Centre for Human Genetics, Oxford
Professor Hugh Montgomery	University College London
Dr Simon Myers	Department of Statistics, Oxford
Professor Luca Cavalli-Sforza	Milan, Italy
Professor Himla Soodyall	National Health Laboratory Service, Johannesburg, South Africa
Professor Mark Stoneking	Max Planck Institute, Leipzig, Germany
Professor Philippa Talmud	University College London and The Galton Institute
Professor Adam Eyre-Walker	Sussex University and Fisher Memorial Committee

Conference organisers:
Professor Sir Walter Bodmer, Professor Adam Eyre-Walker
Professor Philippa Talmud

Human Genetic Diversity

- 9.30am** **Welcome and Introduction: Professor Sir Walter Bodmer, FRS**
- 9.40-10.30am** **CHAIR: Professor Adam Eyre-Walker**
Professor Mark Stoneking
Archaic Admixture in Modern Human Populations
- 10.30-11.20am** **Professor Himla Soodyall**
Population Genetic Studies in Africa
- 11.20-11.40am** **COFFEE**
- 11.40-12.30pm** **Professor Carlos Bustamante**
Population Genetics of Admixture in the Americas
- 12.30-1.20pm** **Professor Sir Walter Bodmer, FRS**
A Genetic Map of the People of the British Isles
- 1.20pm-2.20pm** **LUNCH**
- 2.20pm-3.20pm** **CHAIR: Professor Philippa Talmud/
Professor Sir Walter Bodmer, FRS to present Galton Plate**
THE GALTON LECTURE 2012
Professor Hugh Montgomery
Rock, Blue Genes and Getting High
How we cope when oxygen is scarce
- 3.20-4.10pm** **Dr Simon Myers**
The Interplay of Recombination and Human Genetic Diversity
- 4.10-4.30pm** **TEA**
- 4.30-5.30pm** **CHAIR: Professor Sir Walter Bodmer, FRS**
Professor Peter Donnelly, FRS, F.MedSci
FISHER MEMORIAL LECTURER
Genetic Variation in Human Health and Disease
- 5.30-6pm** **Conclusions: Professor Luca Cavalli-Sforza**

THE GALTON INSTITUTE is a learned society founded in 1907 which aims to promote the public understanding of human genetics, particularly in relation to physical and mental wellbeing of all kinds. Its members are drawn from a wide range of disciplines including genetics, medicine, demography, the law, public administration and biological and social sciences. The Institute aims to facilitate informed debate about the ethical issues raised by advances in reproductive technology. As a registered charity the Institute does not seek to advocate particular applications of scientific understanding or reproductive technology, only to ensure that those taking decisions do so in the light of all relevant facts and after consideration of all relevant issues.

The Institute organises an annual conference around a topical theme within the biosocial or medical sciences and the Galton Lecture is given as part of the programme. The Institute also publishes a Newsletter and booklets on topical themes with the intention of bringing relevant frontline scientific and medical knowledge to the interested public.

The Galton Institute is named after Sir Francis Galton, a cousin of Charles Darwin and a brilliant polymath who made notable contributions to many fields of study including geography, psychology, statistics and several aspects of human biology. Galton coined the word 'eugenics' which he defined as "the scientific study of the biological and social factors which improve or impair the inborn qualities of human beings and of future generations". The origins of the Institute date back to 1907 when under the influence of Galton and like minded contemporaries the 'Eugenics Education Society' was founded, this metamorphosed into the 'Eugenics Society' in 1926 and this changed in turn to the current name in 1989.

Membership of the Institute is open to all who support its aims. Application forms may be obtained from the General Secretary.

THE FISHER MEMORIAL TRUST was set up to promote interest in the life and work of the great statistician, evolutionary biologist and geneticist, Sir Ronald Aylmer Fisher (1890-1962) and to maintain his scientific legacy by encouraging discussion of the scientific fields in which he was active.

The work of the Fisher Memorial Trust is overseen by the Fisher Memorial Committee whose members are nominated by the Biometric Society, the Genetics Society, The Royal Statistical Society and The Royal Society. An annual Fisher lecturer is appointed from amongst leading scientists who are active in one or other of the three fields to which Fisher made such important contributions. This year's lecturer, Professor Peter Donnelly, FRS will be the 31st Fisher lecturer.