



THE GALTON INSTITUTE

a conference on

Insect and zoonose genomes and human health

To be held in the Kohn Centre at

The Royal Society

6-9 Carlton House Terrace, London SW1Y 5AG

on

Wednesday, 6th November, 2013

Admission is free, but strictly by ticket, available from:
The General Secretary, The Galton Institute
19 Northfields Prospect, London SW18 1PE
betty.nixon@talk21.com
www.galtoninstitute.org.uk

Speakers and Chairmen

Professor Sir Walter Bodmer, FRS	Department of Oncology, Weatherall Institute, Oxford and The Galton Institute
Professor Francois Balloux	University College London
Professor Timothy Cox	University of Cambridge and The Galton Institute
Professor Andrea Crisanti	Imperial College London
Professor Gordon Ferns	University of Brighton and The Galton Institute
Dr Branwen Hennig	MRC International Nutrition Group at London School of Hygiene and Tropical Medicine & MRC Keneba; and The Galton Institute
Professor Jules Hoffmann	CNRS Strasbourg, University of Strasbourg
Professor David Horn	College of Life Sciences, University of Dundee
Dr Frank Jiggins	Department of Genetics University of Cambridge
Professor Dominic Kwiatkowski	Wellcome Trust Sanger Institute Cambridge & Wellcome Trust Centre for Human Genetics Oxford
Dr Allan Spradling	Carnegie Institution of Washington

Conference organisers:
Professor Gordon Ferns, Dr Branwen Hennig
and Professor Timothy Cox

Insect and zoonose genomes and human health

- 10.00am** **Welcome and Introduction:**
- 10.05-10.35am** **CHAIR: Professor Gordon Ferns**
Dr Allan Spradling
Using Drosophila to characterize the physiology and stem cell biology of the insect
- 10.45-11.15am** **Dr Frank Jiggins**
The evolution of disease resistance in insects
- 11.25-11.50am** **COFFEE**
- 11.50-12.20pm** **CHAIR: Professor Timothy Cox**
Professor Dominic Kwiatkowski
Population genomics of malaria: host, parasite and vector
- 12.30-1.00pm** **Professor David Horn**
Decoding anti-trypanosomal drug efficacy and resistance
- 1.15pm-2.15pm** **LUNCH**
- 2.15pm-3.15pm** **CHAIR: Dr Branwen Hennig**
Professor Sir Walter Bodmer, FRS to present Galton Plate
THE GALTON LECTURE 2013
Professor Jules Hoffmann
The Drosophila host defense : a paradigm for innate immunity
- 3.25-3.55pm** **Professor Francois Balloux**
Reconstructing epidemics and outbreaks of human pathogens using genetic sequence data
- 4.05-4.30pm** **TEA**
- 4.30-5.00pm** **Professor Andrea Crisanti**
Controlling vector borne disease through genetic manipulation: its application to malaria

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, or found on our website.

www.galtoninstitute.org.uk