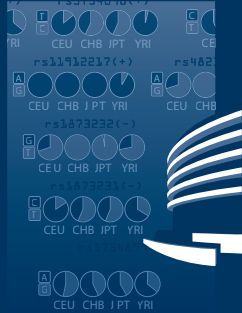


Human Variation: Cause and Consequence



20–23 June 2010
Sunday – Wednesday

Advanced Training Centre
Heidelberg | Germany

REGISTRATION
DEADLINE
15 April 2010

Gonçalo Abecasis
University of Michigan,
USA

Ewan Birney
European
Bioinformatics Institute,
United Kingdom

Leena Peltonen
Wellcome Trust
Sanger Institute,
United Kingdom

Andrew Wilkie
Weatherall Institute of
Molecular Medicine,
John Radcliffe Hospital,
United Kingdom

Exploring human genetic and phenotypic variability in the light of recent developments in genomics, genetics and molecular medicine. Topics covered will include the mechanisms of mutation, normal sequence variation from the DNA to the chromosomal level, functional polymorphism and disease genetics.

Structure and Function of Neural Circuits



5–8 September 2010
Sunday – Wednesday

Advanced Training Centre
Heidelberg | Germany

REGISTRATION
DEADLINE
13 June 2010

Cori Bargmann
The Rockefeller University,
USA

Barry Dickson
Institute of
Molecular Pathology,
Austria

Understanding the complexity and functional composition of cellular and synaptic networks in the nervous system is a major challenge in neurobiology. Genes and molecules impact directly the assembly, function, and plasticity of specific neural circuits, and studies are beginning to elucidate the functionality of neuronal connectomes as a higher organisational entity required for the generation of complex behaviours.

The Non-Coding Genome



13–16 October 2010
Wednesday – Saturday

Advanced Training Centre
Heidelberg | Germany

REGISTRATION
DEADLINE
18 July 2010

David Bartel
Whitehead Institute,
USA

Thomas Gingeras
Cold Spring Harbor
Laboratory, USA

Elisa Izaurralde
Max Planck Institute for
Developmental Biology,
Germany

Gerhart Wagner
Uppsala University,
Sweden

Providing a platform for an interdisciplinary discussion about the roles of non-coding RNAs, this symposium aims to enhance our understanding of gene regulation and function. Topics will include recent discoveries in the fields of prokaryotic and eukaryotic long and short non-coding RNAs. The functional roles of non-coding RNAs in a wide variety of cell processes will be presented.