



Symposium on Genetics of Complex Diseases

Barcelona, Spain. 1-2 October 2008

Casa de Convalescència, Hospital de la Santa Creu i Sant Pau

www.santpau.cat

PRELIMINARY PROGRAM

October 1, Wednesday

- 08:30 Registration and Opening
09:00-09:15 Welcome and Introduction
- 09:15-09:45 **Special Lecture**
Introduction to Genetics of Complex Diseases: A Historical Account
William H. Stone. Emeritus Professor of Genetics, Trinity University
San Antonio, Texas, USA
- Session 1: General concepts: Methodology and Experimental Design**
Chairpersons: Francesc Calafell, Juan Carlos Souto
- 09:45-10:15 **Genetic Epidemiology: A General View**
Laura Almasy. Department of Genetics, Southwest Foundation for Biomedical
Research San Antonio, Texas, USA
- 10:15-10:45 **Design of Studies of Complex Diseases**
Joe Terwilliger. Department of Genetics and Development, Columbia
University New York, USA
- 10:45-11:15 **Family Studies of the Genome in the Whole Association Era**
François Clerget-Darpoux. Inserm U535, Génétique Epidémiologique et
Structure des Populations Humaines, Hôpital Paul-Brousse, France
- 11:15-11:45 Coffee Break
- Session 2: Methodology and Analysis. Analytical Tools**
Chairperson: M. Luz Calle
- 11:45-12:15 **Multivariate Methods for the Genetic Analysis of Complex Traits**
Alfonso Buil. Unitat de Genòmica de Malalties Complexes, Institut de Recerca
de l'Hospital de la Santa Creu i Sant Pau Barcelona, Spain
- 12:15-12:45 **The Transcriptional Complexity of the Human Genome**
Roderic Guigó. Bioinformatics and Genomics Program, Centre de Regulació
Genòmica, Institut Municipal d'Investigacions Mèdiques (IMIM), Universitat
Pompeu Fabra Barcelona, Spain
- 12:45-13:15 **Discovery of Expression QTL Using Large-scale Transcriptional Profiling**
John Blangero. Department of Genetics, Southwest Foundation for Biomedical
Research San Antonio, Texas, USA
- 13:30-15:00 Lunch



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Session 3: Clinical Translations I

Chairperson: Antoni Bayés

- 15:00-15:30 **Genome-wide Scan in Dutch-affected Sibling Pairs with Venous Thromboembolism**
Marieke de Visser. Eindhoven Laboratory for Experimental Vascular Medicine, Department of Thrombosis and Hemostasis Leiden University Medical Center Leiden, The Netherlands
- 15:30-16:00 **Genetic Susceptibility to Coronary Artery Disease**
Martin Farrall. Department of Cardiovascular Medicine and Wellcome Trust Centre for Human Genetics, University of Oxford, Oxford, UK
- 16:00-16:30 **Genetic Analysis of Type II Diabetes**
Tim Frayling. Genetics of Complex Traits, Peninsula Medical School, University of Exeter, Exeter, UK

October 2, Thursday

- 09:30-10:00 **Special Lecture**
Animal Models in Complex Disease Studies
John Vandeberg. Chief Scientific Officer, Southwest Foundation For Biomedical Research San Antonio, Texas, USA

Session 4: Clinical Translations II

Chairperson: María Teresa Gómez

- 10:00-10:30 **Genome-wide Association Study in Colorectal Cancer**
Victor Moreno. Unitat de Bioestadística i Bioinformàtica, Institut Català d'Oncologia, Universitat de Barcelona Barcelona, Spain
- 10:30-11:00 **Genetic Susceptibility to Bladder Cancer: from Tumor Development to Tumor Progression**
Núria Malats. Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain
- 11:00-11:30 Coffee Break
- 11:30-12:00 **Endophenotypes in Psychotic Disorders: Experiences from Research on Schizophrenia and Bipolar Disorder in Finnish population**
Tiina Paunio. Department of Molecular Medicine, National Public Health Institute and Department of Psychiatry Helsinki University Central Hospital Helsinki, Finland
- 12:00-12:30 **Genetics of Alzheimer Disease: The Rotterdam Study**
Cornelia van Duijn. Department of Epidemiology and Biostatistics, Erasmus Medical Center Rotterdam, The Netherlands
- 12:30-13:00 **Closing Lecture**
Future of the Genetics of Complex Diseases: Big is Always Powerful?
Jaume Bertranpetit. Unitat de Biologia Evolutiva, Departament de Ciències Experimentals i de la Salut, Universitat Pompeu Fabra Barcelona, Spain
- 13:00-13:15 **Final Summary. End of the Symposium**