

GenomEUtwin Scientific Meeting
Rome, 13-14 December 2004

Monday 13 December 2004

- 9:00 Welcome
Stefania Salmaso
Director of the National Centre for Epidemiology, Surveillance and Health Promotion,
Istituto Superiore di Sanità
Paolo Parisi
University of Movement Sciences (IUSM), Rome, Italy

KEYNOTE LECTURE

- 9:30 *The competitive advantage of ERA: present and future of large European projects in population genetics*
Leena Peltonen
- 10:30 Coffee break

First session: CARDIOVASCULAR RISK FACTORS

Chairperson: Gonneke Willemsen

- 11:00 *A genome-wide scan for blood pressure suggests linkage to chromosome 11, and replication of loci on chromosomes 16, 17 and 22*
Marlies de Lange
- 11:15 *Mapping QTLs for HDL-C, LDL-C and associated proteins and identification of underlying genetic variation: a meta-analysis of four genome scans*
Bas T. Heijmans
- 11:30 *Allelic variants of upstream stimulatory factor 1 (USF1)-gene as risk factors for cardiovascular events; a prospective, population-based study on a morgam cohort*
Kati Komulainen
- 11:45 *Analysis of interleukin 6 and fibrinogen alpha, beta and gamma genes reveals a protective haplotype for cardiovascular disease in fibrinogen gamma gene*
Mervi Alanne
- 12:00 *Can the comorbidity of physical inactivity and cardiovascular risk factors help us find genes?*
Eco J.C. de Geus
- 12:15 General discussion
- 12:30 **Poster session** – Buffet Lunch

Second session: MIGRAINE, STROKE

Chairperson: Aarno Palotie

- 14:00 *Current status of migraine research in GenomEUtwin*
Elles J.C.M. Mulder
- 14:15 *Initial results from linkage analyses of LCA-derived migrainous headache in Australian twin families*
Dale R. Nyholt
- 14:30 *Replication of linkage to the PDE4D region on 5q and suggested alternative genotypes associated with ischemic stroke in a Swedish population*
P.G. Wiklund
- 14:45 *Variations in the thrombomodulin gene predispose for cardiovascular events such as stroke and coronary heart disease in a Finnish case-cohort study FINRISK*
Kirsi Ahonen
- 15:00 *The association between gene polymorphisms, novel cardiovascular risk factors and obesity*
Cheryl McFarlane
- 15:15 General discussion
- 15:30 Coffee break

Third session: BMI/STATURE

Chairperson: Corrado Fagnani

- 16:00 *Quantitative genetic analysis of height, weight, and BMI in 20-year-old Italian twins: univariate models and a bivariate Cholesky approach*
Corrado Fagnani
- 16:15 *Genetic influence on change in BMI: a longitudinal study of Finnish and Danish twins*
Jacob Hjelmborg
- 16:30 *Preliminary linkage results for adult height and body mass index (BMI)*
Sarah E. Medland
- 16:45 *Combined analysis of genome scans from six twin cohorts to locate quantitative trait loci for body mass index and stature in the GenomEUtwin Project*
Sampo Sammalisto
- 17:00 *SHOX, a candidate gene for body height*
Andreas Dahlgren
- 17:15 General discussion

Tuesday 14 December 2004

Fourth session: STATISTICS, METHODS & ETHICS

Chairperson: Hans van Houwelingen

- 9:30 *Multivariate linkage methodology: an application to endophenotypes of cardiovascular disease*
Danielle Posthuma
- 9:45 *Strategy for pooling evidence for linkage from different populations*
Jeremie Lebrech
- 10:00 *How to quantify information loss due to phase ambiguity in haplotype studies*
Hae-Won Uh
- 10:15 *Gene-environment interaction between weight and lifestyle factors in the Norwegian twin panel*
Jennifer R. Harris
- 10:30 *Acquired obesity changes adipose tissue mRNA expression, increases abdominal and liver fat, and causes insulin resistance in monozygotic twins*
Kirsi H. Pietiläinen
- 10:45 *If participant consent is the answer, what was the question?*
Homa Syeda Hasan
- 11:00 Coffee break

Round table: WHAT'S HOT IN MY LAB

Chairperson: Leena Peltonen

- 11:20 Dorret Boomsma
11:30 Kaare Christensen
11:40 Jennifer Harris
11:50 Jaakko Kaprio
12:00 Nick Martin
12:10 Nancy Pedersen
12:20 Leena Peltonen
12:30 Tim Spector
12:40 Antonia Stazi
12:50 Anne-Christine Syvanen

13:00 Buffet lunch

13:30-15:00 **STEERING COMMITTEE MEETING**

GENOME TWIN

Scientific Meeting

Aula "Bovet"

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