

**HOTEL ARTEMIDE  
VIA NAZIONALE 22 – ROMA  
SALA EUROPA**

**PROGRAMME**

**Thursday 14 December 2006**

09.00 Welcome

**Maria Antonietta Stazi**

09.10 Keynote lecture: *The fruits of GenomEUtwin harvested in global and European research*

**Leena Peltonen**

First Session - CARDIOVASCULAR RISK FACTORS

Chairperson: Mervi Alanne

10.00 *Common Variation in Four Thrombosis Genes and the Risk of Cardiovascular Events*

**Kirsi Auro**

10.15 *Lipid Metabolism Related Genetic Variation and Cardiovascular Events: Prospective, Population-based Study on MORGAM Cohort*

**Kati Kristiansson**

10.30 *Genome-Wide Search in Swedish DZ Twins for Linkage to Apolipoprotein A1 Level: Evidence of Female-Specific Linkage at 15q11-15q13*

**Patrik Magnusson**

10.45 *Evaluation of Apolipoprotein E Gene Variants as Risk Factors for Cardiovascular Disease Utilizing Finnish Prospective Population Cohorts*

**Kaisa Silander**

11.00 Coffee break

Second Session - BODY MASS INDEX/STATURE

Chairperson: Usha Chinappen-Horsley

11.30 *Fine Mapping of A QTL for Body Height on the Human X Chromosome*

**Andreas Dahlgren**

11.45 *Genetic Influences on Change in Body Mass Index. A longitudinal Study of Finnish Twins*

**Corrado Fagnani**

12.00 *Consequences of Acquired Obesity: Gene Expression in Adipose Tissue and Serum Lipidomic Profiles in Monozygotic Twins Discordant for Obesity*

**Jussi Naukkarinen**

12.15 *BMI and Waist Circumference: Expressions of the Same Genes*

**Gonneke Willemssen**

12.30 Poster session- Lunch

Third Session - METHODS

Chairperson: Mats Jonsson

14.30 *A Mixture Model Clustering Study of Cardiovascular Disease Risk Factors*

**Jaana Wessman**

- 14.45 *Meta Analysis of Four Genome Scans for Serum Insulin Concentrations*  
**Mario Falchi**
- 15.00 *A New Method for Analyzing Incomplete Longitudinal Twin Data*  
**Maria Iachina**
- 15.15 *Efficient Calculation of Empirical p-Values for Genome-wide Linkage and Association through Weighted Mixtures*  
**Sarah E. Medland**
- 15.30 Coffee Break
- 16.00 *TwinNet: a User's Perspective*  
**Markus Perola**
- Fourth Session - ETHICS  
Chairperson: Lorenza Nisticò
- 16.30 *Informed Consent for Future Research Use of Biological Samples: The GenomEUtwin Italian Studies Experience*  
**Virgilia Toccaceli**
- 16.45 *Recasting Consent in Population Genomics Biobanks*  
**Homa Hasan**

#### **Friday 15 December 2006**

- 09.30 *The History of a Very Young Species: Ours*  
**Luigi Luca Cavalli-Sforza**
- Fifth Session - LONGEVITY & MIGRAINE  
Chairperson: Qihua Tan
- 10.30 *Genetic Influence on Human Lifespan and Longevity*  
**Jacob v.B. Hjelmborg**
- 10.45 *Physical Activity is Associated with Longer White Cell Telomeres and Potentially Slower Biological Ageing*  
**Janice Hunkin**
- 11.00 *Trait Component Analysis of Finnish and Australian Migraine Families Reveals a Clearer Picture of Migraine Linked Loci*  
**Verner Anttila**
- 11.15 *A Genome-wide Linkage Study of Migraine in a Dutch Population Sample*  
**Lannie Ligthart**
- 11.30 *Hunting Migraine Genes: AU & EU Working towards a Breakthrough*  
**Dale R. Nyholt**
- 11.45 Coffee Break
- Round table – WHAT'S HOT IN MY LAB  
Chairperson: Leena Peltonen
- 12.00 Dorret Boomsma  
12.05 Kaare Christensen  
12.10 Alun Evans

- 12.15 Jennifer Harris
- 12.20 Jan-Eric Litton
- 12.25 Jaakko Kaprio
- 12.30 Nick Martin
- 12.35 Nancy Pedersen
- 12.40 Leena Peltonen
- 12.45 Tim Spector
- 12.50 Maria Antonietta Stazi
- 12:55 Anne-Christine Syvanen
  
- 13.00 Steering Committee - Working Lunch

## POSTER LIST

### CARDIOVASCULAR RISK FACTORS

- Inflammatory Candidate Genes and the Risk of Cardiovascular Disease in Finnish Population  
M. Alanne, K. Kristiansson, K. Auro, L. Peltonen, K. Silander, V. Salomaa, M. Perola
- MORGAM: an International Pooling of Cardiovascular Cohorts  
K. Kuulasmaa, K. Asplund, F. Cambien, M. Ferrario, S. Kulathinal, M. Perola, L. Peltonen, V. Salomaa, D. Shields, H. Tunstall-Pedoe and A. Evans for the MORGAM Project.

### BODY MASS INDEX & STATURE

- Genetics of Bone Size and Skeletal Ratios  
U. Chinappen-Horsley, I. Fogelman, G. Blake, T.D. Spector
- COL11A1-gene is Both Linked to and Associated with Human Stature  
J. Kettunen, E. Costiander, S. Sammalisto, L. Peltonen, M. Perola

### LONGEVITY & AGING

- A Longitudinal Study of the Effect of GSTT1 and GSTM1 Gene Copy Number on Survival  
Q. Tan, L. Christiansen, K. Christensen, K.
- An Association Study of An Aging Marker, Leukocyte Telomere Length, and Two Aging Related Candidate Genes  
Z. Feng, K. Ahmadi, B.S. Kato, J.P. Gardner, M. Kimura, A. Aviv, T.D. Spector

### OTHER TRAITS (Psoriasis, Stoke)

- Psoriasis in Norwegian Twins: A Population Based Study  
A.M Grijbovski1i, A.O. Olsen, P. Magnus, J.R. Harris
- Lack of Aggregation of Ischemic Stroke Subtypes Within Affected Sibling Pairs  
P.G. Wiklund, W.M. Brown, T.G. Brott, B. Stegmayr, R.D.Jr Brown, S. Nilsson-Ardnor, J.H. Hardy, B.M. Kissela, A. Singleton, D. Holmberg, S.S. Rich, J.F. Meschia

### METHODS

- Powerful, Conservative and Robust Family-Based Association Test: PSEUDOMARKER  
T. Hiekkalinna and J.D. Terwilliger
- Genotype Information Handling at the SNP Technology Platform in Uppsala  
Mats Jonsson
- Quality Control of the DNA Samples in the GenomeUtwinn Project  
M. Jussila, O. Törnwall, J. Kaprio, K. Silander, P. Laiho, M. Laukkanen, L. Peltonen, M. Perola on behalf of GenomeUtwinn
- MORGAM Case-Cohort Study: Subcohort Selection Procedure and Approaches to Statistical Analysis  
S. Kulathinal, J. Karvanen, O. Saarela, K. Kuulasmaa
- Bayesian Model Selection and Estimation of Haplotype Effects Based on Partial Ordering of Haplotypes  
E. Arjas, S. Kulathinal, O. Saarela
- The NTR Biobank: Collecting More Than Just DNA in More Than Just Twins  
G. Willemsen, E.J.C. de Geus, A. van Bruggen, D. Boomsma

## **SOCIAL EVENTS**

- GenomEUtwin Welcome Cocktail: 17.30PM, Wednesday, December 13<sup>th</sup>, Enoteca Al vino Al vino (via dei Serpenti 19, Rome)
- GenomEUtwin Dinner: 20.30PM, Thursday, December 14<sup>th</sup>, Forum Hotel (via Tor De' Conti 25, Rome)