

The 22nd International Statistical Genetics Methods Workshop August 11 - 15, 2008 Leuven, Belgium



This ISGMW workshop will celebrate the 21st anniversary of the **International Workshops on Methodology for Genetic Studies of Twins and Families**, first held in Leuven, Belgium in August 1987. Introductory and Advanced Workshops have been held annually since then in Leuven, Boulder, Helsinki and Egmond-aan-zee, with over 1000 individuals who participated once or more often.

Program: The workshop will focus on *novel research* methods and the *latest developments* in the following areas of research:

- **August 11: Phenomics:** Assessment, Psychometrics, Measurement Invariance, Endophenotypes; Study Design, Power & Simulation, Error Checking & Imputation
 - **August 12: Advanced Genetic Epidemiology:** Structural Equation Modeling (SEM), Bayesian Methods (MCMC), Genotype x Environment Interaction (GxE) & Correlation (rGE), Extended Twin-Family Designs
 - **August 13: Linkage & Association:** Variance Component, Regression; Association (Single Marker, Family-based Association; Haplotype Mapping); Replication & Multiple Testing; Data Mining & Public Data Sources
 - **August 14: Genome-wide Association:** Design & Analysis of GWAS; Population Genetics; Animal Models
- All sessions involve theoretical outlines and hands-on practical application using freely available software.

- **August 15: Symposium: "The Past, Present and Future of Statistical Genetics"**

Target Audience: This **advanced course** is intended for those who have attended earlier workshops and/or who are familiar with and/or interested in statistical genetic methods and applications. The detailed program can be found at www.leuven08.org/pages/5/Scientific_Program.html

Faculty: An outstanding roster of international faculty include: Lindon Eaves, Michael Neale [academic director], Hermine Maes [local host], Sarah Medland, Danielle Dick, Tim York (VIPBG, Richmond VA), Nick Martin [symposium director], Peter Visscher (QIMR, Brisbane, AU), Dorret Boomsma, Meike Bartels, Danielle Posthuma [local host] (VU, Amsterdam, NL), John Hewitt, Jeff Lessem (IBG, Boulder CO), Andrew Heath, John Rice (WUSoM, St. Louis MI), Pak Sham, Stacey Cherny (UHK, Hong Kong), Lon Cardon (GSK), Shaun Purcell, Manuel Ferreira, (Harvard & MIT, Boston MA), Goncalo Abecasis, William Stewart (CSG, Ann Arbor MI), Fruhling Rijdsdijk, Ben Neale (IOP, London, UK), Conor Dolan (UA, Amsterdam, NL), David Evans (Bristol, UK), Jonathan Flint (WTC, Oxford, UK), Jaakko Kaprio (University of Helsinki, Finland), Kate Morley (Melbourne, AU), Robert Vlietinck, Martine Thomis [local host] (KU Leuven, Leuven, Belgium)

Registration: The registration fee (including lunches, dinners & banquet) is 450 EUR, payable by May 15, 2008. Thereafter, it will be 500 EUR (900/1000 EUR respectively for non-academics). Please register online at www.leuven08.org/pages/4/Registration.html. The number of participants is limited to about 70.

Workshop Venue: Faculty of Kinesiology & Rehabilitation Sciences, Katholieke Universiteit Leuven, Belgium.

Accommodation: Rooms have been blocked in two hotels in the city of Leuven, within walking (or bus) distance from the workshop site. Budget-friendly student housing on campus is also available.

We hope to welcome you to this inspiring workshop in the historic city of Leuven.

Info at www.leuven08.org