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Vall d'Hebron
Institut de Recerca
Unitat de Recerca de
Reumatologia



INSTITUTO NACIONAL
DE BIOINFORMÁTICA



CEGEN



Centro Nacional de Genotipado



Schering-Plough

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1st. Course on Whole-Genome Association Studies

A course aiming to provide an update on the increasingly popular Whole Genome Scan approach to perform association studies. A wide perspective of the field will be provided, with lectures covering from technological and design issues to new data analysis and interpretation strategies.

Pre-registration can be made at <http://www.cegen.org> and will be open until July the 15th.

The final course fee (maximum 50€) will be announced during the registration period.

Barcelona,
September the 20th y 21st 2007

Universitat Pompeu Fabra



Doctor Aiguader 88, 08003 Barcelona

Day 1. September the 20th

09:00-09:15. *Welcome.* Sara Marsal.

09:15-10:45. *Association studies and their Whole Genome Extensions. Design and Analysis.* Arcadi Navarro. **Room 61.119**

10:30-11:00. *High-throughput technologies for WGA Studies. The role of CeGen.* Anna Pérez. **Room 61.119**

11:00-11:30. Coffee break.

11:30-12:00 *Role of Banco Nacional de AND for WGA studies.* Andrés García Montero. **Room 61.119**

12:00-13:00. *Rheumatoid Arthritis WGASs in the Spanish population.* Antoni Julià. **Room 61.119**

13:00-14:00. *Overview of recent WGASs.* Carlos Morcillo. **Room 61.119**

14:00-15:00. Lunch.

15:00-16:30. [Hands-on session]. *Association Analysis: SNPator, P-link.* Carlos Morcillo. **Room 61.127**

16:30-17:00. Coffee break.

17:00-18:30. [Hands-on session] *Haplotype estimation. SNPator, PHASE and FastPHASE, Haploview.* Francesc Calafell. **Room 61.127**

Day 2. September the 21st

09:00-10:00. *Statistical Challenges of WGASs (I). The multiple testing problem and correction procedures.* Francesc Calafell. **Room 61.119**

10:00-11:00. *Statistical Challenges of WGASs (II). Interactions: how do parts relate to the whole?.* Tomaz Curk. **Room 61.119**

11:00-11:30. Coffee break.

11:30-12:30. *DNA BioBanks: A source of quality samples for genomic studies.* Raül Tortosa. **Room 61.119**

12:30-13:30. *Structural Variation in the Genome. Copy Number Variants and WGAS.* Xavier Estivill. **Room 61.119**

13:30-15:00. Lunch.

15:00-16:30. [Hands-on session] *Testing interactions, stratification analysis and outlier detection.* Tomaz Curk. **Room 61.127**

16:30-17:00. Coffee break.

17:00-18:30. [Hands-on session] *Copy Number Variants and WGAS, a practical approach.* Lluís Armengol. **Room 61.127**