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



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INSTITUTO NACIONAL
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CEGEN



Centro Nacional de Genotipado

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2nd 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 November the 20 th
Attendance is free

Barcelona,
December 4th and 5th 2008

Universitat Pompeu Fabra



Doctor Aiguader 88, 08003 Barcelona

Day 1. December the 4th

09:00-09:15. *Welcome.* Arcadi Navarro

09:15-10:00. *Association studies and their Whole Genome Extensions. Design and Analysis.*

Speaker: Arcadi Navarro. Room: 61.123

10:00-11:00. *"WGAS in Rheumatoid Arthritis: from raw data to the identification of disease risk variants"*

Speaker: Antoni Julià Room: 61.123

11:00-11:30. Coffee break.

11:30-12:30. *Challenges of WGASs (I). Adding biology into the analysis. Testing for interactions.*

Speaker: Joaquin Dopazo. Room: 61.123

12:30-13:30. *Challenges of WGASs (II). Simultaneous Analysis of All SNPs.*

Speaker: Clive J. Hoggart. Room: 61.123

13:30-15:00. Lunch.

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

Speaker: 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.*

Speakers:
Carlos Morcillo/Fernando Muñiz Room: 61.127

Day 2. December the 5th

09:00-10:00. *Challenges of WGASs (III). The multiple testing problem and correction procedures.*

Speaker: Francesc Calafell. Room: 61.123

10:00-11:00. *Challenges of WGASs (IV). Structural Variation in the Genome. Copy Number Variants and WGAS.*

Speaker: Elodie Gazave. Room: 61.123

11:00-11:30. Coffee break.

11:30-12:30. *Overview of recent WGASs.*

Speaker: Carlos Morcillo. Room: 61.123

12:30-13:30. *High-throughput technologies for WGAS. The role of the CeGen.*

Speaker: Anna Pérez. Room: 61.123

13:30-15:00. Lunch.

15:00-16:30. [Hands-on session] *Copy Number Variants, a practical approach.*

Speaker: Elodie Gazave Room: 61.127