

European School of Genetic Medicine
2nd COURSE IN COMPARATIVE AND FUNCTIONAL GENOMICS
March 19-22, 2003
Bertinoro, Forlì, Italy

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Directors:

J.-L. Guénet (Paris, F)

G. Superti-Furga (Heidelberg, D)

Faculty:

Johannes Beckers (Munich, D), Charles Babinet (Paris, F), Xavier Montagutelli (Paris, F), Jean-François Bureau (Paris, F), Frank Holstege (Utrecht, NL), Stefano Volinia (Ferrara, I), Eileen Furlong (Heidelberg, D), Rob Russell (Heidelberg, D), Rita Casadio (Bologna, I), Georg Casari (Heidelberg, D), Shoshana Wodak (Brussels, B), Walter Blackstock (London, UK), Alfonso Valencia (Madrid, E), Gianni Cesareni (Rome, I)

Wednesday, March 19, 2003

Chair: **J.-L. Guénet (Paris, F)**

Morning Session

COMPARATIVE HUMAN-MOUSE GENOMICS

08.00

J.-L. Guénet (Paris, F)

The mouse genome

09.00

J. Beckers (Munich, D)

Production and characterization of mouse mutants for inherited diseases in man

10.00

Coffee break

10.30

C. Babinet (Paris, F)

Stem cells in mammalian development

11.30

Workshop and questions on the morning talks

13.00

Lunch - interactive

Afternoon Session

14.30	X. Montagutelli (Paris, F) Quantitative traits and genetic modifiers of inherited traits in the mouse
15.30	J.F. Bureau (Paris, F) Characterization of QTL in functional genomics
16.30	Refreshments
17.00	Workshop and questions on the afternoon talks
18.00	End of the session

Thursday, March 20, 2003

Chair: **G. Superti-Furga** (Heidelberg, D)

Morning Session

GENE EXPRESSION / COORDINATION OF PROTEIN EXPRESSION AND INTERACTION

8.30	G. Superti-Furga (Heidelberg, D) Introduction
9.20	F. Holstege (Utrecht, NL) Studying transcription regulation using genome wide approaches
10.10	Coffee break
10.40	S. Volinia (Ferrara, I) Phospho-Ser/Thr-dependent protein-protein interactions
11.30	E. Furlong (Heidelberg, D) Applying microarrays to developmental biology: combining genetics and genomics
12.30	Lunch

Afternoon Session

14.00	Questions from students on morning lectures
15.30	Coffee break
16.00	Workshops "Integrated Approaches: From Genome to Phenotype" F. Holstege, S. Volinia, E. Furlong and G. Superti-Furga

Friday, March 21, 2003

Chair: **G. Superti-Furga** (Heidelberg, D)

Morning Session

MOLECULAR NETWORKS

- 8.30 **A. Valencia** (Madrid, E)
Prediction of protein interactions and networks
- 9.20 **R. Casadio** (Bologna, I)
Machine learning approaches, protein structure prediction and fishing of selected protein classes from bacterial genomes
- 10.10 Coffee break
- 10.40 **G. Casari** (Heidelberg, D)
Analysis of systems and networks
- 11.30 **S. Wodak** (Brussels, B)
Transcriptional Regulation of Protein Complexes in Yeast
- 12.30 Lunch

Afternoon Session

- 14.00 Questions from students on morning lectures
- 15.30 Coffee break
- 16.00 Workshop: "Networks and interfaces: The genome in action"
R. Russell, R. Casadio, G. Casari and S. Wodak

Saturday, March 22, 2003

FONDAZIONE MENARINI SYMPOSIUM ON PROTEOMICS AND BIOLOGICAL NETWORKS

Bologna, Aula "Giorgio Prodi" - San Giovanni in Monte

Morning Session

- 8.30 **W. Blackstock** (London, UK)
Proteomics: Past, present and future
- 9.20 **G. Superti-Furga** (Heidelberg, D)
Protein complexes and molecular networks
- 10.10 Coffee break
- 10.30 **R. Russel** (Heidelberg, D)
Protein-protein interactions in three-dimensions
- 11.20 **G. Cesareni** (Rome, I)
Protein interaction networks mediated by small protein modules
- 12.30 Lunch

End of the meeting

Registration fee for the entire course (4 days, 4 nights): € 720,00

Course fee include tuition, course material, room and board for the whole duration of the course. Arrival in Bertinoro is scheduled on the day before the course. Departure is

scheduled on March 22.

Registrants who are admitted to the course will be required to stay for the whole duration. A limited number of fellowships is available from the Euroconferences program of the European Commission; for details and conditions, visit www.eurogene.org. Register online at www.eurogene.org. Offline registration is not available. All course is held in English, unless otherwise stated. For further information about the University Residential Centre, visit www.centrocongressibertinoro.it.

For further information visit the EGF website: //www.eurogene.org
