



Thursday
June 28th 2012



Coffee-break

10.00 am – 1.00 pm

Molecular interactions studied by NMR

Nico van Nuland

Molecular Recognition Unit
Structural Biology Brussels - VUB / VIB
Jean Jeener NMR Centre
e.mail: nvnuland@vub.ac.be

Lunch

2.15 – 4.00 pm

Roundtable: Question from students

4.00 – 6.00 pm

Visit to laboratories



Friday
June 29th 2012



Coffee-break

10.00 am – 1.00 pm

**The other side of the genoma: when
non-coding is functional and coding is not**

Gian Gaetano Tartaglia

Genes Function and Evolution Group
CRG Centre for Genomic Regulation, Barcelona, Spain
e.mail: gian.tartaglia@crg.es

Lunch

2.15 – 4.00 pm

Roundtable: Question from students

4.00 – 6.00 pm

Visit to laboratories

Participants

PhD students of DRSBM;
PhD students from other doctoral courses;
Medical doctors and other academic therapists or researchers with interest in complex biological system functions.

Language: English

Venue: Aula A, Dipartimento di Medicina Molecolare,
Sezione di Biochimica - Viale Taramelli 3/b, University of Pavia (UniPv), Pavia, Italy

Organizing Committee: Ufficio Ricerca UniPv

General information

Cariplo PhD course has a strong interaction with different EU and non EU projects run by the coordinators of the various Units. Among these, we recall: REALNET (STREP ICT), Cerebnet (ITN) coordinated by E. D'Angelo (CNISM) on the cerebellum and training of young researchers.

Contact person

Chiara Malagori (PM):
staff.serviziocerca@unipv.it

PhD in Biomedical Sciences (DRSBM) Secretariat:
drsbm.dottorato@gmail.com

Registration: Deadline is **11th June 2012**

mail to: drsbm.dottorato@gmail.com



Università degli
Studi di Pavia



**fondazione
cariplo**

PhD in Biomedical Sciences
CARIPLO COURSE
on

**Structure-function
relationship in complex
biological systems**

25th - 29th June 2012
Pavia, Italy

Organized by

**University of Pavia
Research Office**

&

**University of Pavia
PhD in Biomedical Sciences**

&

Cariplo Foundation



Monday
June 25th 2012



9.00 - 9.15 am

E. D'Angelo, P. Speziale, V. Bellotti: Opening

9.15 - 11.00 am

Structure-function relationship in large-scale systems: Brain Magnetic Resonance Imaging (MRI)

Claudia Wheeler-Kingshott

Neuroimaging Laboratory
University College London, London, UK
e.mail: c.wheeler-kingshott@ucl.ac.uk

Coffee-break

11.15 am - 1.00 pm

Structure-function relationship in large-scale systems: Magneto-encephalography (MEG)

Christoph Braun

MEG-Center
University of Tübingen, Tübingen, Germany
e.mail: christoph.braun@uni-tuebingen.de

Lunch

2.15 - 4.00 pm

Roundtable:

Neuroimaging and Brain Physiology

Coffee-break

4.15 - 6.00 pm

Structure, function, and modulation of voltage-gated ion channels

Mitchell Goldfarb

Department of Biological Sciences Room HN810
Hunter College of City University, New York, USA
e.mail: goldfarb@genectr.hunter.cuny.edu



Tuesday
June 26th 2012



9.15 - 11.00 am

Molecular Physiology of ion-coupled cotransporters

Antonio Peres

Department of Biotechnology and Life Sciences
University of Insubria, Varese, Italy
e.mail: antonio.peres@uninsubria.it

Coffee-break

11.15 am - 1.00 pm

Ionic channels and their modulation in excitable cells

Mauro Toselli

Department of Biology and Biotechnology
University of Pavia, Pavia, Italy
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Lunch

2.15 - 4.00 pm

The NMDA receptor/channel complex: function, dysfunction and pathologies

Egidio D'Angelo

Department of Public Health and Neuroscience
University of Pavia, Pavia, Italy
e.mail: dangelo@unipv.it

Coffee-break

4.15 - 6.00 pm

Roundtable:

Molecular and Cellular Neurophysiology

Dinner



Wednesday
June 27th 2012



9.15 - 11.00

Structure function relationship of the myosin motor in striated muscle: insights from myosin mutations

Roberto Bottinelli

Department of Molecular Medicine
University of Pavia, Pavia, Italy
e.mail: roberto.bottinelli@unipv.it

Coffee-break

11.15 am - 1.00 pm

Pathologies caused by protein misfolding: from rare to common diseases

Vittorio Bellotti

Department of Molecular Medicine
University of Pavia, Pavia, Italy
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Lunch

2.15 - 4.00 pm

Protein misfolding diseases: diagnostic and therapeutic challenges

Giampaolo Merlini

Department of Molecular Medicine
University of Pavia, Pavia, Italy
e.mail: gmerlini@smatteo.pv.it

Coffee-break

4.15 - 6.00 pm

Roundtable:

Molecular Medicine