



Università di Firenze



Università di Torino

Associazione di Biologia Cellulare e del Differenziamento

MECHANISMS OF SIGNAL TRANSDUCTION

Certosa di Pontignano, 20 e 21 Marzo 2009



Associazione di Biologia Cellulare e del Differenziamento
MECHANISMS OF SIGNAL TRANSDUCTION

Certosa di Pontignano, 20 e 21 Marzo 2009
Spring 2009 ABCD Meeting:

Organized by:

Emilio Hirsch - University of Turin

Annarosa Arcangeli - University of Florence

Friday 20.3

Registration up to 12:30

12:30-13.45 **Lunch**

13:45–14:00 – Introduction: Emilio Hirsch and Annarosa Arcangeli

14:00-15:40 Signaling in Cell Migration and Invasion

Chairperson: Antonella Viola

14.00-14.40 **Antonella Viola**

"T cell costimulation by chemokine receptors"

Istituto Clinico Humanitas; Milano

14.40-14.55 **Astro Veronica**

Liprin- α 1 is an important player in integrin-mediated cell motility and invasion
*Cell Adhesion Unit, Division of neuroscience, San Raffaele University and
San Raffaele Scientific Institute, Milano*

14.55-15.10 **Castelli Maddalena,**

Polycystin-1 induces cell migration through PI3K and actin, while cell
polarization through PKC ζ and microtubules

Genetics and cell biology department, San Raffaele, Milano

15.10-15.25 **Chianale Federica**

HGF induces cell migration, ruffling and Rac activation through a novel signalling pathway linking DGK α to aPKCs and RhoGDI.
Dip. Medicina Clinica e Sperimentale, Università del Piemonte Orientale, Novara

15.25-15.40 **Antonella Giammarresi**

Bimodal pattern of chemokine induced Rap1 activation: dissecting the molecular mechanisms

Unit of Leukocyte Biology Vita-Salute University, DIBIT-HSR, Milano

15:40-16:00 **Coffe Break**

16:00-18:10 From the Membrane into the Cell

Chairperson: **Daniela Corda**

16.00-16.40

Daniela Corda

"Cellular targets and activities of the glycerophosphoinositols"

Consorzio Mario Negri Sud

16.40-16.55

Chiara Francavilla

The binding of NCAM to FGFR1 leads to a specific cellular response mediated by receptor trafficking

IFOM - FIRC Institute of Molecular Oncology, Milano

16.55-17.10

Alessia Perino

Mediating cAMP and PIP3 signaling by reciprocal regulation of PI3K γ and PKA

Molecular Biotechnology Center, Università di Torino

17.10-17.25

Mauro Sbroglio

Melusin is a mechanical stretch responsive protein interacting with Hsp90 and IQGAP1

Molecular Biotechnology Center, Università di Torino

17.25-17.40

Gaetana Serio

A novel rab5-based signaling pathway participates in centrosome cohesion

Dip. Scienze Oncologiche, Università di Torino

17.40-17.55

Gabriele Togliatto

Unacylated ghrelin recovers neovascularization in diabetes by targeting enos and redox signalling

Dip. Medicina Interna, Università di Torino

17.55-18.10

Francesca Zanieri

A macromolecular signaling complex formed by the beta1 integrin and hERG1 channels is assembled in colorectal cancer cells: molecular definition and functional role.

Dip. Patologia e Oncologia Sperimentali, Università di Firenze

18.10-18.25

Sandrine Evellin

Fos-Like 1 (FOSL1) regulates endothelial cell adhesion and migration.

Università di Siena

20:00

Social dinner

Saturday 21.3

7:30-8.30 **Breakfast**

8:30-10:10 From DNA to Proteins

Chairperson: **Stefano Biffo**

- 8.30-9.10 **Stefano Biffo**
"Translational control of growth and tumorigenesis: the eIF6 case"
San Raffaele Science Institute, Milano
- 9.10-9.25 **Giovanna Grimaldi**
Identification and roles of cell substrates of intracellular mono-ADP-
ribosylation
Consorzio Mario Negri Sud, Chieti
- 9.25-9.40 **Sara Paina**
A Dlx5-Wnt5a regulation involved in the control of GABAergic
differentiation
Molecular Biotechnology Center, Università di Torino
- 9.40-9.55 **Venturina Stagni**
ATM Kinase activity modulates sensitivity to death receptor induced
apoptosis through the regulation of FLIP protein stability
EBRI, Fondazione S.Lucia, Roma
- 9.55-10.10 **Romana Tomasoni**
Defining the role of mTOR at the interface between cancer cell growth
and immune surveillance
*Lymphocyte Activation Unit, Division of Immunology, Transplantation
and Infectious Diseases, San Raffaele Scientific Institute, Milano*

10:10-10:30 **Coffee break**

10:30-12:25 Integrating Signals to Cell Proliferation and Carcinogenesis

Chairperson: **Alberto Bardelli**

- 10.30-11.10 **Alberto Bardelli**
"Cancer mutations and targeted therapies"
Institute for Cancer Research and Treatment, University of Torino
- 11.10-11.25 **Isaia Barbieri**
Constitutively active STAT3 synergizes with the ErbB-2/Neu oncogene
resulting in increased invasiveness and motility of mammary
tumors/tumor cells.
Molecular Biotechnology Center, Università di Torino
- 11.25-11.40 **Francesca Cianfarani**

- Impaired keratinocyte proliferative and clonogenic potential in transgenic mice overexpressing 14-3-3 sigma in the epidermis
Laboratorio biologia molecolare e cellulare, Istituto Dermopatico dell'Immacolata IDI IRCCS, Roma
- 11.40-11.55 **Valentina Folgiero**
 Blocking ErbB-3/p85 interaction: a new strategy to escape Herceptin resistance
Istituto Regina Elena, Roma
- 11.55-12.10 **Stefania Gastaldi**
 Met as a potential therapeutic target in basal-like breast cancer: An in vivo approach in a stem-cell perspective
Dip. Oncologia molecolare, Università di Torino
- 12.10-12.25 **Virginia Morello**
 Beta1 integrin controls EGFR signalling and tumorigenic properties of A549 lung cancer cells
Molecular Biotechnology Center, Università di Torino

Concluding remarks: Emilio Hirsch and Annarosa Arcangeli

13:00-14:00 **Lunch**