



Società Chimica Italiana
Divisione di Chimica
Farmaceutica



UNIVERSITÀ DEGLI
STUDI DI PARMA



First Congress on the Eph/ephrin System

State of the art, challenges and opportunities

May 5-6, 2016

Parma, Italy

Aula Magna, Via Università 12



Picture courtesy of Comune di Parma, Foto Glamour.

Thursday 5 May 2016

8.30-13.00	Registration
9.00-9.20	Welcome and introductory remarks

Biology and structural biology

9.20-9.50	Y. Maru - Tokyo Women's Medical University, Tokyo, Japan Eph receptors a historical overview
9.50-10.10	D. Wilkinson - The Francis Crick Institute, Mill Hill Laboratory, London, UK Role of homotypic and heterotypic cell responses in Eph-ephrin mediated border formation
10.10-10.40	Y. Jones - University of Oxford, UK A structural perspective on ephrin and Eph cell surface signalling assemblies
10.40-11.00	C. Hogan - Cardiff University, UK Differential EphA2 signalling induces the segregation of Ras-transformed epithelial cells from normal neighbours

11.00-11.30	Coffee break
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Eph and cancer

11.30-11.50	B.W. Stringer - QIMR Berghofer Medical Research Institute, Brisbane, Australia The transforming ability of EphA3 is independent of its tyrosine kinase activity in a Cdkn2a null neural stem cell model of glioma
11.50-12.10	S. Parrinello - Imperial College London, London, UK EphrinB2 drives perivascular invasion and proliferation of glioblastoma stem-like cells
12.10-12.30	A. Freywald - University of Saskatchewan, Canada The EPHB6 receptor both augments growth and suppresses drug resistance in triple negative breast tumours
12.30-13.00	B. Wang - Case Western Reserve University, Cleveland, USA USA It takes two to tango: both EphA2 receptor and ephrin-A ligands are required for tumor suppression

13.00-14.30	Lunch
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Eph system in other pathologies

14.30-15.00	A. Zapata - Universidad Complutense de Madrid, Spain Eph and ephrins affect thymus biology by governing thymocyte-thymic epithelial cell interactions
15.00-15.20	M. Cauquil - INSERM/Université Paul Sabatier Toulouse, France Ephrin-B1 blocks adult cardiomyocyte's proliferation: impact on cardiac regeneration
15.20-15.50	F. Neipel - Universitätsklinikum Erlangen, Germany The role of Eph-receptors in viral infections

15.50-16.20	Coffee break
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16.20-16.50	R. Klein - Max-Planck Institute, Munich, Germany Novel mechanisms of Eph/ephrin repulsion via extracellular and intracellular vesicles
16.50-17.10	B. Di Benedetto - University of Regensburg, Germany The glia-neuron ephrinA/EphA system in major depressive disorder - a novel target for alternative therapeutic approaches?
17.10-17.40	W. Robberecht - University of Leuven, Belgium Ephrins in the pathogenesis of axonal degeneration

Evening	SOCIAL EVENT
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Friday 6 May 2016

9.00-10.20	Breakfast at the poster session
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Targeting the Eph/ephrin system

10.20-10.30	Presentation of ULLA network
10.30-11.00	A. Lodola - University of Parma, Italy Targeting the Eph-ephrin System with Protein-Protein Interaction (PPI) Inhibitors.
11.00-11.20	J.P. Himanen - Memorial Sloan-Kettering Cancer Center, New York, USA Single-chain anti-Eph antibodies as novel anti-tumor agents
11.20-11.40	M. Leone - CNR, Napoli, Italy Structure-based design of peptides against the Sam domain of EphA2 receptor and its heterotypic interactions
11.40-12.00	C. Festuccia - University of L'Aquila, Italy EphA2 receptor and ephrin-A1 ligand targeting in glioblastoma: function and therapeutic effects
12.00-12.30	E. Pasquale - Sanford-Burnham Prebys Medical Discovery Institute, La Jolla, USA Targeting Eph receptors with peptides and peptides conjugates
12.30-12.40	Farewell

 **Chiesi**
People and ideas for innovation in healthcare

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www.ephrens.org
info@ephrens.org

Scientific committee

M. Tognolini, University of Parma, Italy
E. Pasquale, SBP Medical Discovery Institute,
La Jolla, USA
A. Lodola, University of Parma, Italy

Organizing committee

M. Tognolini, University of Parma, Italy
A. Lodola, University of Parma, Italy
E. Vidale, TEFARCO, Parma, Italy
E. Pasquale, SBP Medical Discovery Institute,
La Jolla, USA
M. Incerti, University of Parma, Italy
F. Buttini, University of Parma, Italy
C. Festuccia, University of L'Aquila, Italy
I. Zanotti, University of Parma, Italy
C. Giorgio, University of Parma, Italy
S. Russo, University of Parma, Italy