



UNIVERSITÀ DEGLI STUDI DI PARMA

*First congress  
on the Eph/ephrin system*

*Parma, Italy*

*May 5-6, 2016*

*State of the art, challenges and opportunities*



## Thursday 5 May 2016

8.30-13.00

Registration

9.00-9.20

Welcome and introductory remarks (M.Tognolini)

### **Biology and structural biology**

Chairs: R.Klein (Germany) - M.Tognolini (Italy)

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

### **Eph and cancer**

Chairs: D. Wilkinson (UK) – B. Wang (USA)

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**

<b>12.30-13.00</b>	<p>B. Wang  <i>Case Western Reserve University, Cleveland, USA</i>  <b>USA It takes two to tango: both EphA2 receptor and ephrin-A ligands are required for tumor suppression</b></p>
<b>13.00-14.30</b>	<i>Lunch</i>
<p><b><i>Eph system in other pathologies</i></b>  <i>Chairs: E.Pasquale (USA) – E. Barocelli (Italy)</i></p>	
<b>14.30-15.00</b>	<p>A. Zapata  <i>Universidad Complutense de Madrid, Spain</i>  <b>Eph and Ephrins affect thymus biology by governing thymocyte-thymic epithelial cell interactions</b></p>
<b>15.00-15.20</b>	<p>M. Cauquil  <i>INSERM/Université Paul Sabatier Toulouse, France</i>  <b>Ephrin-B1 blocks adult cardiomyocyte's proliferation: impact on cardiac regeneration</b></p>
<b>15.20-15.50</b>	<p>F. Neipel  <i>Universitätsklinikum Erlangen, Germany</i>  <b>The role of Eph-receptors in viral infections</b></p>
<b>15.50-16.20</b>	<i>Coffee break</i>
<b>16.20-16.50</b>	<p>R. Klein  <i>Max-Planck Institute, Munich, Germany</i>  <b>Novel mechanisms of Eph/ephrin repulsion via extracellular and intracellular vesicles</b></p>
<b>16.50-17.10</b>	<p>B. Di Benedetto  <i>University of Regensburg, Germany</i>  <b>The glia-neuron ephrinA/EphA system in major depressive disorder - a novel target for alternative therapeutic approaches?</b></p>
<b>17.10-17.40</b>	<p>W. Robberecht  <i>University of Leuven, Belgium</i>  <b>Ephrins in the pathogenesis of axonal degeneration</b></p>
<b>Evening</b>	<b>SOCIAL EVENT</b>

Friday 6 May 2016

9.00-10.20

Breakfast at the poster session

**Targeting the Eph/ephrin system**

Chairs: Y. Jones (UK) - M. Mor (Italy)

10.20-10.30

Presentation of ULLA network

10.30-11.00

A. Lodola et al

University of Parma, Italy

**Targeting the Eph-ephrin System with Protein-Protein Interaction (PPI) Inhibitors.**

11.00-11.20

J.P. Himanen et al.

Memorial Sloan-Kettering Cancer Center, New York, USA

**Single-chain anti-Eph antibodies as novel anti-tumor agents**

11.20-11.40

M. Leone et al.

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

**Targeting glioblastoma with Eph receptor antagonists**

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 (E.Pasquale – M. Tognolini)

Cover picture courtesy of Comune di Parma, Foto Glamour.



People and ideas for innovation in healthcare



Società Chimica Italiana  
Divisione di Chimica  
Farmaceutica



BRITISH  
PHARMACOLOGICAL  
SOCIETY



European University Consortium  
for Pharmaceutical Sciences