

Thursday 3 May 2018	
8.30-13.00	<i>Registration</i>
8.50-9.00	<i>Welcome and introductory remarks (M.Tognolini)</i>
9.00-9.30	E. Pasquale - <i>Sanford-Burnham Prebys Medical Discovery Institute, La Jolla, USA</i> Opening lecture: Eph Receptors and Ephrins in 2018
Structural biology	
9.30-9.55	B. Wang - <i>Case Western Reserve University, Cleveland, USA</i> Spatiotemporal Regulation of EphA2 Receptor Oligomerization: Insights from PIE-FCCS Single Molecule Live Cell Analyses
9.55-10.20	J. P. Himanen - <i>Memorial Sloan-Kettering Cancer Center, New York, USA</i> Functional Relevance of the Head-to-Head vs Head-to-Tail Eph-Eph Interactions for Receptor Activation
10.20-10.40	S. Ojosnegros - <i>California Institute of Technology, Pasadena, CA, USA</i> A new dynamic model for the activation of the Eph receptor based on live-cell brightness analysis
10.40 – 11.10	<i>Coffee break</i>
Biology and Physiology	
11.10-11.35	M. Henkemeyer - <i>UT Southwestern Medical Center, Dallas, USA</i> EphB-EphrinB Bidirectional Signaling in the Nervous System and Beyond
11.35-12.00	R. Lamprecht - <i>University of Haifa, Israel</i> The role of EphB2 in memory formation
12.00-12.25	J.Wu - <i>University of Montreal, Montreal, Canada</i> Unraveling the functions of EPH-B/EFN-B in the immune system and in the control of blood pressure and heart rhythm
12.25-12.50	A. Davy - <i>CNRS, Université de Toulouse, Toulouse, France</i> Eph signaling in progenitors of the neocortex : sticky with added vitamins
12.50-14.00	<i>Lunch</i>
Eph and cancer	
14.00-14.25	Y. Maru - <i>Tokyo Women's Medical University, Tokyo, Japan</i> Analysis of soluble forms of ephrin-A1
14.25-14.50	J. Chen - <i>Vanderbilt University, Nashville, USA</i> EphA2 RTK in cancer and metabolism
14.50-15.10	P. W. Janes – <i>Monash University, Clayton, Australia</i> Inducible knock-down of endogenous EphA3 in mice reveals novel roles for EphA3 in the inflammatory tumour microenvironment
15.10-15.30	S. Karam - <i>University of Colorado, Aurora, CO, USA</i> Inhibition of EphB4-ephrin-B2 interaction remodels the tumor immune microenvironment in head and neck cancers.
15.30 – 16.00	<i>Coffee break</i>
Eph and other pathologies	
16.00-16.20	C.Cheng - <i>The Scripps Research Institute, La Jolla, CA, USA</i> EphA2 and ephrin-A5 maintain distinct eye lens epithelial cell populations
16.20-16.40	L. Poppe – <i>KU Leuven-University of Leuven, Leuven, Belgium</i> Impact of EphA4 ablation on cognitive function and disease pathology in a mouse model of Alzheimer's disease
16.40-17.00	D. Poitz - <i>TU Dresden, Germany</i> Stop-and-go: ephrinA1 in endothelial migration and proliferation
Evening	SOCIAL EVENT
Friday 4 May 2018	
9.00-11.00	Breakfast at the poster session
Targeting the Eph/ephrin system	
11.00-11.25	A. Lodola - <i>University of Parma, Parma, Italy</i> Overview on the pharmacological tools to target Eph/ephrins
11.25-11.50	B. Day - <i>Queensland Institute of Medical Research, Brisbane, Australia</i> EphA3 a functional targetable receptor for adult and pediatric brain cancer
11.50-12.10	M. Leone- <i>Institute of Biostructures and Bioimaging (CNR), Napoli, Italy</i> Peptides targeting the Sam domain of EphA2 and its interactome
12.10-12.35	M. Pellecchia - <i>University of California Riverside, Riverside, CA, USA</i> Chemical biology strategies for targeting the EphA2 and EphA4 ligand binding domains: applications in neurodegeneration and oncology
12.35-12.55	A. Bedini- <i>University of Bologna, Bologna, Italy</i> Mu opioid receptor (MOR) activation by morphine in neuronal cell models is dampened by ephrinB1-induced signaling and may be rescued by novel EphB1 receptor peptide antagonists
12.55-13.00	<i>Farewell (E.Pasquale – M. Tognolini)</i>