





MAY 16, 2024

9.00 Welcome

Simone Baglioni Vice Rector for Education and Massimiliano Tognolini

University of Parma, Italy

	Opening lectures	
9.10	Quantifying Eph receptor multimerization with time resolved	Adam Smith
9.10	fluorescence spectroscopy	Texas Tech University, USA
	EphA2 Multimerization Underscores Canonical and Noncanonical	Bingcheng Wang
9.40	Signaling in Oncogenesis	Case Western Reserve University,
		USA

Session: CNS Adam Smith and Massimiliano Tognolini		
10:10	Untangling astrocyte-mediated PV inhibitory synapse	Iryna M. Ethell
10.10	development through ephrin-B1/EphB2 signaling	University of California Riverside, USA
10.35	The roles of ephrin-B2 and EphB2 in memory formation	Raphael Lamprecht University of Haifa, Israel
11.00	EphA1 missense mutations associated with Alzheimer's disease dysregulate receptor signaling function	Elena B. Pasquale Sanford Burnham Prebys Med Discovery Institute, USA

11.25

Coffee break

Session: Cancer I Bryan Day and Jiangping Wu			
11.50	Roles of EphA2-ephrin-A signaling in prostate cancer development and progression	Ryan Lingerak Case Western Reserve University, USA	
12.15	EphA4 in head and neck squamous cell carcinoma: dissecting its role in the tumor microenvironment and tumor progression	Sophia Corbo University of Colorado, USA	
12.40	Advancing understanding of uveal melanoma progression: integrating Eph/ephrin epigenetics, gene expression, and regulatory networks through comprehensive big data analysis and web resources	Georgios Mandrakis University of Athens, Greece	

13.05

Lunch

Session: Molecular Biology Bingcheng Wang and Maurizio Pellecchia		
14.30	Proximity labeling of ephrin-B ligands reveals that EGFR	Ana Isabel Osornio-Hernandez
14.50	is an EFNB1 interactor	Université Laval, Canada
14 55	EphA2 transmembrane helix interactions regulate	Kalina Hristova
14.55	EphA2 oligomerization	Johns Hopkins University, USA
15.20	Could the pro-oncogenic role of EphA2 Ser-897 be	Francesca Romana Ferrari
	affected by Eph-ephrin antagonists?	University of Parma
15.35	EphA2 controls EphA1 function via a heterotypic	Xiaojun Shi (online)
15.35	interaction that regulates tumor susceptibility	Case Western Reserve University, USA

Coffee break

Session: miscellaneous Mario Cioce and Massimiliano Tognolini

The relationship between ephrin and NOTCH system in 16.30 the regulation of tube formation of HUVECs in coculture with MSCs

Irina Beloglazova (online) National Medical Research Centre of Cardiology Named after Academician E.I., Russia

Ephrin micropatterns exogenously modulate cell 16.55 organization in organoid-derived intestinal epithelial monolayers

Elena Martinez (online) Institute for Bioengineering of Catalonia, Spain

19:30

Social dinner

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9.00 - 10.00 Poster session / Coffee

	Session: drug discover	у
	Raphael Lamprecht and Alessi	io Lodola
10.00	Fifteen years of ephrins in Parma: a PPI-inhibitors	Carmine Giorgio
10.00	story	University of Parma, Italy
10.25	Hunting for original anticancer agents: peptide	Marilisa Leone
	modulators of EphA2 mediated SAM-SAM interaction	CNR Naples, Italy
10.50	Anti-ephrin-B2 neutralizing antibody suppresses	Benjamin T. Wilks
10.50	fibrosis in preclinical in vitro and in vivo models	Mediar Therapeutics, USA
11.15	Unveiling potential? targeting Eph-ephrin in	Alfonso Zappia
11.15	glioblastoma stem cells with novel PPI-inhibitors	University of Parma, Italy
11 20	Targeting the Eph-ephrin system in cancer and	Maurizio Pellecchia
11.30	neurodegeneration	University of California Riverside, USA
11 55	EphB2 a viable therapeutic target for the treatment of	Bryan W. Day
11.55	pediatric medulloblastoma	The University of Queensland, Australia

12.20-13.50 Lunch / Poster

Session: Cancer II Elena B. Pasquale and Andrew Freywald		
13.50	Ephrin's and Eph's are implicated in EGFR-TKI resistance of non-small cell lung cancer and are loaded in extracellular vesicles	Albano Cáceres-Verschae Karolinska Institute, Sweden
14.15	EphA2 phosphorylation sustains the adaptive response of colorectal organoids to oxaliplatin	Mario Cioce University of Campus-BioMedico, Italy
14.40	Harnessing the EphA2 blockade in glioblastoma	Andrea Knight Masaryk University, Czech Republic

15.05 Farewell Massimiliano Tognolini







SCIENTIFIC COMMITTEE

Tognolini Massimiliano University of Parma, Italy Bush Jeffrey

UCSF, San Francisco, USA **Day Bryan** The University of Queensland, Brisbane, Australia

Giorgio Carmine

University of Parma, Italy

Lamprecht Raphael

The University of Haifa, Haifa Israel

Lodola Alessio

University of Parma, Italy

Pasquale Elena Sanford Burnham Prebys Medical Discovery Institute, La Jolla, USA

> Wang Bingcheng Case Western Reserve University, Cleveland, USA

Wu Jianping Université de Montréal, Montréal, Canada

ORGANIZING COMMITTEE

Tognolini Massimiliano University of Parma, Italy Ferrari Francesca Romana University of Parma, Italy Giorgio Carmine University of Parma, Italy Lodola Alessio University of Parma, Italy Zanotti Ilaria University of Parma, Italy