

**SEMINAR @ TIGEM**  
**1 August 2023 – 31 July 2024**

<b>Speaker</b>	<b>Host Researcher</b>	<b>When</b>	<b>Title</b>
<b>Helen Bateup</b> , Department of Molecular and Cell Biology, University of California and Helen Wills Neuroscience Institute, University of California, Berkeley, CA, USA, Chan Zuckerberg Biohub, San Francisco, CA, USA.	Andrea Ballabio	12-Sep-23	The multi-faceted roles of TSC-mTOR signaling in neural development, function and disease
<b>Carmine Settembre</b> , Full Professor of Histology, University Fed II, Associate Investigator Tigem	Internal	18-Oct-23	From bulk to selective: a journey into the physiological relevance of Autophagy
<b>Valerie Cormier-Daire</b> , Université Paris Descartes Institut Imagine, Hôpital Necker-Enfants Malades, Parigi, France	Vincenzo Nigro and Sandro Banfi	27-Oct-23	From bed to bench side: the example of Acromelic dysplasia
<b>Mario Pende</b> , Institut Necker-Enfants Malades (INEM), Paris, France. INSERM, Paris, France, Université Paris Descartes, Sorbonne Paris Cité, Paris, France.	Andrea Ballabio	8-Nov-23	Cell growth and senescence control by mTOR and downstream kinases
<b>Marcus Mall</b> , Department of Pediatric Respiratory Medicine, Immunology and Critical Care Medicine, Charité - Universitätsmedizin Berlin, Berlin, Germany	Luis J Galiotta	10-Nov-23	Pharmacological modulation of CFTR in patient-derived primary airway epithelial cell cultures in cystic fibrosis
<b>Filippo Menolascina</b> , Professor at the University of Edinburgh and the Director of Research at the Bayes Centre, the University's Innovation Hub for Artificial Intelligence	Diego di Bernardo	14-Nov-23	Alexa: get me a model of my cells! Optimal Experiment Design for biological systems identification
<b>Diego di Bernardo</b> , Full Professor in Biomedical Engineering, University of Naples "Federico II", Coordinator of Genomic Medicine Program - (TIGEM)	Internal	5-Dec-23	Engineering Biomolecular circuits to control gene expression for gene therapy and biosensing

<b>David N. Sheppard, Ph.D.,</b> Professor of Physiology, University of Bristol, Bristol, UK	Luis J Galietta	16-Jan-24	Single-channel studies of CFTR: Rescuing faulty channels in cystic fibrosis with targeted therapeutics
<b>Alessia Indrieri,</b> Assistant Investigator Tigem Institute for Genetic Biomedical Research (IRGB), National Research Council (CNR), Milan, Italy Applied Biology, School of Medicine and Surgery, University of Rome "Tor Vergata", Roma, Italy	Internal	30-Jan-24	Modulation of microRNAs as a gene-independent therapeutic approach for neurodegenerative disorders
<b>Michelino De Laurentiis,</b> Chair, Dept. of Breast and Thoracic Oncology at National Cancer Institute "Fondazione Pascale" , Napoli - ITALY	Brunella Franco	6-Feb-24	Dreaming to cure Breast Cancer. A visionary tale
<b>Carolyn Machamer,</b> Professor Emerita, Department of Cell Biology, Professor of Physiology, University of Bristol, Bristol, UK	Antonella De Matteis	13-Feb-24	Assembly and Egress of Coronaviruses
<b>Chiara Di Malta,</b> Assistant Investigator, Tigem Research Associate, Department of Translational Medicine, University of Naples "Federico II", Italy	Internal	20-Feb-24	"Exploring Novel Mechanisms Governing Lysosomal Activity in Human Diseases"
<b>Alessandro Prigione,</b> Department of General Pediatrics, University Children's Hospital, Heinrich-Heine- University, Düsseldorf, Germany	Brunella Franco	27-Feb-24	Drug discovery of neurological mitochondrial diseases with patient- specific brain organoids
<b>Carlo Toniatti,</b> Chief Scientific Officer & VP Translational & Discovery Research, IRBM - (Integrated Research in Biotechnology and Medicine) Pomezia, (RM), Italy	Alberto Auricchio	09-Apr-24	IRBM: drug discovery at the crossroads between academy and industry
<b>Gennaro Napolitano,</b> Assistant Investigator, TIGEM, Associate Professor, Medical Genetics Unit, Department of Medical and Translational Science, Federico II University of Naples, Italy	Internal	16-Apr-24	Selective modulation of mTORC1 signaling at the lysosome
<b>Sandro Cosconati,</b> Full Professor Head of the Medicinal Chemistry Unit,	Mirko Cortese	23-Apr-24	From Bench to Breakthrough: Democratizing AI-Powered

University of Campania Luigi Vanvitelli, Italy			Drug Discovery with PyRMD and PyRMD2Dock
<b>Saverio Marchi</b> , Associate Professor, Dept. of Clinical and Molecular Sciences, Marche Polytechnic University Universita' di Ancona	Carmine Settembre	30-Apr-24	Exploring new functions for mitochondria-organelle contact sites
<b>Sara Monaco</b> , PhD - Managing Editor, Review Commons, Heidelberg, Germany	Carmine Settembre	17-May-24	Review Commons: Innovating scientific publishing through preprint peer-review
<b>Kapil Bharti</b> , Director, Division of Intramural Research, National Eye Institute, NIH, Bethesda, Maryland	Alberto Auricchio	21-May-24	Developing an Autologous Cell Therapy for AMD
<b>Irma Querques</b> , Max Perutz Labs Vienna, Department of Structural and Computational Biology, University of Vienna, Campus Vienna Biocenter 5, Vienna	Alberto Auricchio	28-May-24	CRISPR jumps ahead: site-specific DNA insertion of CRISPR-associated transposons
<b>Dulce Papy Garcia</b> , Full Professor Glycobiology, Cell Growth and Tissue Repair Research Unit (Gly CRRET), University Paris Est Créteil, Créteil, France	Elvira De Leonibus	04-Jun-24	Specialized heparan sulfates in the vulnerability of cells to autonomously develop tau pathology
<b>Rino Rappuoli</b> , Scientific Director of the Biotechnopolo di Siena Foundation and head of MAD Lab Toscana Life Sciences, Italy	Alberto Auricchio and Mirko Cortese	06-Jun-24	Vaccines 2050
<b>Tiziano Tuccinardi</b> , Full Professor of Medicinal Chemistry, Department of Pharmacy, University of Pisa, Pisa, Italy	Brunella Franco	11-Jun-24	In silico pathogenicity prediction of missense mutations
<b>Joep Beumer</b> , Institute of Human Biology (IHB) Roche Pharma Research and Early Development Basel, Switzerland	Nicola Brunetti	08-Jul-24	Modeling intestinal maturation and function in engineered human organoid
<b>Michael J. Mitchell</b> , Associate Professor - Department of Bioengineering, University of Pennsylvania, Philadelphia, PA, USA	Pasquale Piccolo	16-Jul-24	Lipid Nanoparticles for Overcoming Biological Barriers to mRNA Delivery