

# SEMINAR @ TIGEM

## 1 August 2024 – 31 July 2025

Speaker	Host Researcher	When	Title
<b>Roberto Weigert, PhD</b> Intravital Microscopy Core, Laboratory of Cellular and Molecular Biology Center for Cancer Research, National Cancer Institute, NIH, Bethesda, Maryland, USA	Maria Antonietta De Matteis	3-Sep-24	Mechanisms of membrane remodeling in vivo: from physiology to disease
<b>Marco Angelozzi, PhD</b> Research Staff Scientist I Lefebvre lab Department of Surgery Division of Orthopaedics Children's Hospital of Philadelphia, USA	Alberto Auricchio	10-Sep-24	Targeting an Fgfr3 enhancer: a potential therapeutic tool for achondroplasia
<b>Andrea Pasquadibisceglie, PhD</b> Science for Life Laboratory Department of Applied Physics KTH Royal Institute of Technology Solna, Sweden	Diego di Bernardo	17-Sep-24	Modelling the Dynamics of Membrane Transporters
<b>Joshua Pan, PhD</b> Research Scientist, Google DeepMind London, UK	Diego di Bernardo	24-Sep-24	Accurate proteome-wide missense variant effect prediction with AlphaMissense
<b>Antonio Iavarone, M.D.</b> Professor of Neurological Surgery, Deputy Director of the Sylvester, Comprehensive Cancer Center Director, Sylvester Brain Tumor Institute (SBTI) University of Miami , Miller School of Medicine, USA	Andrea Ballabio	27-Sep-24	Next-generation multi-omics classification and therapeutic stratification of brain tumors
<b>Claudia Bagni, PhD</b> Full Professor Department Fundamental Neurosciences University of Lausanne (CH) Department of Biomedicine and Prevention, University of Rome Tor Vergata (IT)	Graciana Diez Roux	15-Oct-24	Striatal alterations in structural and functional plasticity in neurodevelopmental disorders

<b>Samuel H. Sternberg, PhD</b> Associate Professor Department of Biochemistry and Molecular Biophysics, Investigator, Howard Hughes Medical Institute, Columbia University, New York, NY, USA	Alberto Auricchio	28-Oct-24	Discovery and development of CRISPR-associated transposases for RNA-guided gene insertion
<b>Andrew McElroy, PhD</b> CEO, The Research Network (TNR)	Carmine Settembre	12-Nov-24	"TRN - Enabling Drug Discovery"
<b>Franck Perez, PhD</b> Cell Biology and Cancer Unit Institut Curie, PSL Research University, Paris, France	Roman Polishchuk	26-Nov-24	Exploring and Exploiting the Secretory Pathway in Mammalian Cell
<b>Carlo Viscomi, PhD</b> Associate Professor of Genetics University of Padova, IT	Alessia Indrieri	27-Nov-24	Mitochondrial diseases: from molecular mechanisms to therapies
<b>Alberto Ciccia, PhD</b> Associate Professor Department of Genetics and Development, CUIMC Columbia University Irving Medical Center CUIMC New York, NY, USA	Alberto Auricchio	10-Dec-24	CRISPR-based approaches to dissect the DNA damage response network
<b>Carlos M Farinha, PhD</b> Associate Professor Faculty of Sciences, University of Lisboa Principal Investigator BioISI - Biosystems and Integrative Sciences Institute Lisboa, Portugal	Luis Galletta	13-Dec-24	LMTK2 in Cystic Fibrosis: a link between trafficking and signalling
<b>Giulio Chiesa, PhD</b> Research Associate Garton Lab Institute of Biomedical Engineering University of Toronto Canada	Diego di Bernardo	17-Dec-24	From protein tinkering to protein design: two synthetic biology approaches for gene therapy
<b>Artur Gittos, M.Sc.</b> Strategic Account Manager Cell and Gene Therapy Europe	Maria Antonietta De Matteis	15-Jan-25	Advancing CRISPR Based Therapies: a seminar on sgRNA Synthesis by Synthego

<b>Monica Dentice, PhD</b> Professore Associato Dipartimento di Medicina Clinica e Chirurgia Università degli Studi di Napoli "Federico II"	Carmine Settembre	4-Feb-25	The Thyroid Hormone signalling in Skeletal Muscle and its central role in energy homeostasis
<b>Anna Kajaste-Rudnitski, PhD</b> Full Professor, Department of Biology and Biotechnology, University of Pavia ,Pavia, Italy	Pasquale Piccolo	11-Feb-25	Dissecting Cell Intrinsic Innate Immunity against Viral Vectors
<b>Daniela Cesana, PhD</b> Group Leader SR-Tiget, San Raffaele Telethon Institute for Gene Therapy, Milan	Pasquale Piccolo	25-Feb-25	Tracking Gene Therapy's Impact: A Dual Approach Based on Vector Integration Site Analyses and Cell-Free DNA Signatures
<b>Andrés Fernando Muro, PhD</b> Group Leader of the Mouse Molecule Genetics Group at the International Centre of Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy.	Nicola Brunetti Pierri	25-Mar-25	Liver-Directed Gene Therapy for Inborn Errors of Metabolism
<b>Elisa Giorgio, PhD</b> Associate Professor of Medical Genetics at the University of Pavia, Dept. of Molecular Medicine (Medical Genetics Unit), Pavia, Italy	Diego di Bernardo & Sandro Banfi	1-Apr-25	Beyond the coding DNA: Uncovering Regulatory Mutations
<b>Elena Ziviani, PhD</b> Associate Professor of Biochemistry Department of Biology University of Padua Italy	Alessia Indrieri	17-Apr-25	Mitochondrial quality control in neurodegenerative diseases and molecular mechanisms of protection
<b>Caleb Bashor</b> , Associate Director, GDEC, Assistant Professor of Bioengineering, Rice University, Houston, United States	Diego di Bernardo	20-May-25	TBD
<b>Alfred Akateh</b> , Senior Sales and Business Development Manager, Europe, Cyagen US, Inc.  Cyagen Biomodels LLC	Nicola Brunetti Pierri	24-June-25	TBD
<b>Leszek Lisowski</b> , Vector and Genome Engineering Facility, Children's Medical Research Institute, Westmead, NSW, Australia. 11Laboratory of Molecular Oncology and Innovative Therapies, Military Institute of	Pasquale Piccolo	27-Jun-25	TBD

Medicine - National Research Institute, Warsaw, Poland. 12Translational Vectorology Research Unit, Children's Medical Research Institute, Faculty of Medicine and Health, The University of Sydney, Westmead, NSW, Australia.			
<b>Orazio Vittorio</b> , Head of the Metal Targeted Therapy & Immunology lab at Lowy Cancer Research Centre, University of New South Wales (Australia)	Roman Polishchuk	1-Jul-25	TBD

*This list of seminars is updated monthly*