

SEMINAR @ TIGEM
1 August 2022 – 31 July 2023

Speaker	Host Researcher	When	Title
Alessandro Vannini , Head of Structural Biology Research Centre, Vannini Group, Structural Biology Research Centre, Human Technopole, Milan, Italy	Andrea Ballabio	20-Sep-22	Integrative Structural Biology at Human Technopole: transcriptional and extra-transcriptional roles of the RNA Polymerase III machinery
Jasmin Fisher , Professor of Computational Biology at the Cancer Institute in University College London (UCL), UK	Davide Cacchiarelli	27-Sep-22	Executable Biology: From Mechanisms to Clinical Applications in Cancer
Nicola Alesi , Department of Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA	Andrea Ballabio	30-Sep-22	Non canonical regulation of TFEB by mTORC1 underlies Tuberous Sclerosis Complex
Andrea Cerase , Blizard Institute, Queen Mary University of London, London, UK. a.cerase@qmul.ac.uk.	Diego di Bernardo	04-Oct-22	Reactivating the inactive X chromosome by small molecule screening as a treatment for X-linked disorders
Roman Polishchuk , Tigem	Interno	08-Nov-22	Targeting new molecular pathways in Wilson Disease
Stefano Santaguida , Dept of Experimental Oncology, IEO, Milan Dep of Oncology and Hemato-Oncology, Univeristy of Milan	Carmine Settembre	18-Nov-22	Mechanistic Insights into the Consequences of Chromosome Segregation Errors on Cell Physiology
Graziano Pesole , Professor of Molecular Biology Dipartimento di Bioscienze, Biotecnologie e Biofarmaceutica, Universita' degli Studi di Bari	Davide Cacchiarelli	06-Dec-22	Comparative and evolutionary genomics of SARS-Cov-2: novel tools and methods for pathogen's genomic surveillance

Alessandra Boletta , Head, Molecular Basis of Cystic Disorders Unit, Division of Genetics and Cell Biology, San Raffaele Scientific Institute, Milan, Italy	Andrea Ballabio	13-Dec-22	Metabolic Reprogramming in Polycystic Kidney Disease and other Renal Ciliopathie
Gennaro Gambardella , Tigem	Interno	10-Jan-23	Combining single cell sequencing and lineage tracing to study plasticity and drug response of cancer cells
Paolo Martini , CSO Rare Diseases, Hematology and Rare Alliances di Moderna Inc	Nicola Brunetti	17-Jan-23	Messenger RNA beyond vaccines: treatment of Rare Genetic Disorders
Anand Swaroop , Senior Investigator and Chief, Neurobiology Neurodegeneration & Repair Laboratory (N- NRL), National Eye Institute, National Institutes of Health, Bldg 6/338, 6 Center Drive, MSC 0610, Bethesda, MD 20892-0610	Sandro Banfi	24-Jan-23	Genetic variants, epigenome and age- related macular degeneration: Making sense of genetic studies
Giuseppe Ronzitti , Genethon, INSERM U951 INTEGRARE, University of Evry, University Paris-Saclay, France	Pasquale Piccolo	30-Jan-23	The liver as a model tissue to develop innovative solutions to the existing limitations of (AAV) gene therapy
Ekaterini Lyras , Nature, (Team Francesco Conti Senior Editor), London	Alberto Auricchio	14-Feb-23	How to Publish in Nature Communications
Leopoldo Staiano , Tigem	Interno	28-Feb-23	A novel role of OCRL in Lipid metabolism underlies the progressive decline of kidney function in Lowe Syndrome
Giulio Superti-Furga , Scientific Director CeMM, Professor for Medical Systems Biology, Medical University of Vienna, Vienna, Austria	Antonella De Matteis and Andrea Ballabio	07-Mar-23	Understanding and modulating disease by targeting SLC transporters

Milena Bellin , Department of Biology, University of Padua, Padua, Italy	Andrea Ballabio	21-Mar-23	Cardiac organoids from human pluripotent stem cells for modelling inherited diseases and testing drugs
Andrea Califano , Chair, Department of Systems Biology Columbia University Irving Medical Center New York, USA	Diego di Bernardo	18-Apr-23	Defeating cancer one cell at a time
Annalisa Di Ruscio , Beth Israel Deaconess Medical Center Department of Medicine Harvard Medical School Cancer Research Institute Boston, USA	Alberto Auricchio	10-May-23	RNA: a new avenue for epigenetic therapy in cancer and genetic disorders
Vincenzo Calvanese , Laboratory for Molecular Cell Biology, University College London, London, UK	Andrea Ballabio	22-May-23	Blood stem cells: a manual to build the engine
Christopher Neufeldt , PhD, Assistant Professor, Department of Microbiology and Immunology, Emory University School of Medicine, Atlanta, USA	Mirko Mirko Cortese and Antonella De Matteis	29-May-23	Exploitation and evasion: viral remodelling of cellular membrane systems
Roberto Nitsch , Director Gene Therapy - AstraZeneca	Alberto Auricchio	05-Jun-23	Gene Editing safety: tools, innovations, and applications
Francesca Coscia , Group Leader, Structural Biology Research Centre, Human Technopole, MilanHuman Technopole, Milan	Mirko Cortese	6-Jun-23	Unravelling the thyroid system from atoms to organoids
Bingzhou Han, Scientist, GemPharmatech,	Gennaro Napolitano	13-Jun-23	Genetically Modified Mouse Models and the Applications
Juan Pedro Bolaños , Professor of Biochemistry and Molecular Biology, University of Salamanca (Spain)	Diego Medina	20-Jun-23	Metabolic shapes of brain cells and functional consequences

<p>Velia Siciliano Principal Investigator Synthetic and Systems biology lab for Biomedicine Istituto Italiano di Tecnologia-IIT, Napoli</p>	<p>Diego di Bernardo</p>	<p>7-Jul-23</p>	<p>Synthetic Biology in biomedicine: understanding the cellular complexity towards the design of improved T cell therapies</p>
<p>Paola Romagnani, MD PhD, Full Professor and Chair of Nephrology University of Florence Head of the Nephrology and Dialysis Unit University Children's Hospital Anna Meyer Florence, Italy</p>	<p>Andrea Ballabio and Leopoldo Staiano</p>	<p>11-Jul-23</p>	<p>Kidney repair: mechanisms and trade-offs</p>
<p>Nihal Altan-Bonnet, Ph.D, Senior Investigator, Laboratory of Host- Pathogen Dynamics, NHLBI, NIH, USA, nihal.altan- bonnet@nih.gov</p>	<p>Roman Polishchuk</p>	<p>18-Jul-23</p>	<p>What Viruses Do To Infect You!</p>
<p>Massimiliano Caiazzo, PhD, Department of Molecular Medicine and Medical Biotechnology (DMMBM) University of Naples "Federico II", Department of Pharmaceutical Sciences, Utrecht University, The Netherlands</p>	<p>Antonella DeMatteis</p>	<p>25-Jul-25</p>	<p>Reprogramming approaches for neural modeling</p>