

SEMINAR @ TIGEM
1 August 2021 – 31 July 2022

September 21, 2021

Frans P.M. Cremers PhD (Professor in Ophthalmogenetics, Department of Human Genetics, Radboud University Medical Center, Nijmegen, the Netherlands)
The Ins and Outs of ABCA4-associated Stargardt disease
Host researcher: **Sandro Banfi**

October 12, 2021

Francesca Sacco, PhD (Associate Professor of Genetics, Department of Biology, University Tor Vergata, Rome, Italy)
Applying MassSpectrometry-based phosphoproteomics to address complex biological questions
Host researcher: **Paolo Grumati**

October 19, 2021

Helena Vieira, PhD (Principal Investigator CEDOC, Nova Medical School and Assistant Professor at UCIBIO, NOVA School of Science and Technology, Universidade Nova de Lisboa, Portugal)
Carbon monoxide targets mitochondria and modulates cell metabolism in brain cells
Host researcher: **Alessia Indrieri**

October 26, 2021

Francesco Sannino, PhD (Chair in Theoretical Physics at the Scuola Superiore Meridionale, Italy, Chair and founder of the Danish IAS, Univ. of Southern Denmark)
The Pandemic playbook, A physicist take
Host researcher: **Brunella Franco**

November 8, 2021

Ivan Dikic, PhD (Institute of Biochemistry II and Buchmann Institute for Molecular Life Science, Goethe University, Frankfurt/Main, Germany)
ER remodelling via ER-phagy pathways
Host researcher: **Paolo Grumati and C. Settembre**

November 18, 2021

Jlenia Monfregola, PhD (Senior Post Doc Ballabio Lab, Tigem)
Ivana Trapani, PhD (Assistant Investigator, Tigem)
CRISPr-based technologies: from cell biology application to in vivo therapy
Internal Seminar

November 23, 2021

Stylianos Michalakis, PhD (Department of Ophthalmology, University Hospital LMU Munich, München, Germany [\(online\)](#))
Addressing unmet needs in retinal gene therapy
Host researcher: [Alberto Auricchio](#)

November 30, 2021

Duarte Barral, PhD (Associate Professor Chronic Diseases Research Center (CEDOC), NOVA Medical School, Universidade NOVA de Lisboa)
Deciphering the Molecular Mechanisms of Skin Pigmentation
Host researcher: [Leopoldo Staiano](#)

December 7, 2021

Raffaella Di Micco, PhD (San Raffaele Telethon Institute for Gene Therapy, 20132, Milan, Italy, New York Stem Cell Foundation Robertson Investigator)
Cellular Senescence: an unintended twist for gene and cell therapy applications
Host researcher: [Antonella De Matteis](#)

Stop for increased covid contagions

February 15, 2022

Sandro Banfi, PhD (Associate Investigator, Tigem Professor of Medical Genetics, Department of Precision Medicine, University of Campania Luigi Vanvitelli, Italy [\(online\)](#))
Modulation of microRNA expression: a new therapeutic avenue for inherited retinal disease?
[Internal Seminar](#)

February 22, 2022

Gioele La Manno, PhD (Head of the Neurodevelopmental Systems Biology lab EPFL -Ecole Polytechnique Federale de Lausanne, Lausanne, Switzerland) [\(online\)](#)
Understanding nervous system development one cell at a time
Host researcher: [Diego di Bernardo](#)

March 9, 2022

Cornelius Gross, PhD (Interim Head of EMBL Rome & Senior Scientist)
Europe's Life Science Research Organization
Jamie Hackett, PhD (Group Leader, EMBL, Rome)
Intergenerational Inheritance: Why your Father's Microbes matter
Host researcher: [Graciana Diez Roux](#)

March 15, 2022

Valeria Poli, PhD (Full Professor, Molecular Biology, University of Torino)

STAT3 and beyond at the cross road between inflammation, cancer and cancer stroma

Host researcher: **Davide Cacchiarelli**

April 12, 2022

Virginijus Šikšnys, PhD (Vilnius University Full, Institute of Biotechnology, Vilnius, Lithuania)

Novel CRISPR-Cas and other programmable nucleases as potential genome editing tools

Host researcher: **Ivana Trapani**

April 26, 2022

Alessandro Bertero, PhD (Associate Professor Armenise-Harvard Lab of Heart Engineering and Developmental Genomics Molecular Biotechnology Center, University of Turin, Department of Molecular Biotechnology and Health Sciences, Torino – ITALY)

Functional Dynamics of Chromatin Topology in Human Cardiogenesis and disease

Host researcher: **Davide Cacchiarelli**

May 17, 2022

Gianluigi Condorelli, MD, PhD (Professor of Cardiology and Director, Post-Graduate School of Cardiology, Humanitas University Head, Department of Cardiovascular Medicine, Humanitas Research Hospital Rozzano, Milan, Italy)

Molecular mechanisms of heart failure: role of epigenetics

Host researcher: **Andrea Ballabio**

May 24, 2022

Sasha Martens, PhD (Full Professor Max Perutz Labs University of Vienna, Vienna BioCenter (VBC) Vienna, Austria)

Mechanisms of Cargo Selection and Autophagosome Biogenesis in Selective Autophagy

Host researcher: **Carmine Settembre**

May 31, 2022

Alessia Ruggieri, PhD (Group leader, Department of Infectious Diseases Molecular Virology, Centre for Integrative Infectious Disease Research (CIID), University of Heidelberg, Heidelberg, Germany)

Temporal control of the cellular integrated stress response

Host researcher: **Mirko Cortese**

June 14, 2022

Chiara Francavilla, PhD (PI, Manchester Breast Centre, The University of Manchester, Manchester, UK)

Recycling endosomes are signalling hubs that coordinate the responses of Receptor Tyrosine Kinases (RTKs) in breast cancer cells

Host researcher: **Francesca Sacco**

June 21, 2022

Hudson Freeze, MD, PhD (Director, Sanford Children's Health Research Center, Director and Professor, Human Genetics Program Sanford Burnham Prebys Medical Discovery Institute (SBP) La Jolla, CA USA)

Novel Perspectives on Congenital Disorders of Glycosylation

Host researcher: **Nicola Brunetti**

June 28, 2022

Vincenzo Summa, PhD (Full Professor of Medicinal Chemistry, Department of Pharmacy, School of Medicine, University of Naples Federico II)

A Journey from HCV Protease to SARS-CoV2- 3CI Protease Drugs: Challenges and Opportunities

Host researcher: **Graciana Diez Roux**

July 5, 2022

Pasquale Piccolo, PhD (Assistant Investigator Telethon Institute of Genetics and Medicine (TIGEM), Naples, Italy)

Overcoming the challenge of gene therapy in inborn errors of metabolism with liver damage

Internal Seminar

July 12, 2022

Domencio Grieco, MD, PhD (Professor of Clinical Biochemistry, Dept. of Pharmacy, Università di Napoli "Federico II")

Mitotic spindle assembly: a tale of Cdk1 activity control in space and time

Host researcher: **Brunella Franco**

July 19, 2022

Beatrice Bodega, PhD (INGM, Istituto Nazionale di Genetica Molecolare, Milan, Italy, Department of Biosciences, University of Milan, Milan, Italy)

Transcription and dynamics of Transposable Elements keeps on fire the genome of human T lymphocytes

Host researcher: **Andrea Ballabio**