

AIMS

To present and discuss the DMM areas of investigation in the context of biomedical and translational research programmes that are currently among the most attractive subjects of international research calls.

To debate scientific results and achievements with renowned scientists invited to be part of an external peer-review panel of DMM research activities.

To disseminate and implement knowledge in relevant areas of the Molecular Medicine and Applied Medical Sciences creating a forum for discussion involving young and senior scientists, professionals and officers active in the fields of Molecular and Cell Biology, Biochemistry, Developmental Biology and Morphological Sciences, Microbiology and Infectious Diseases, Clinical Medicine and Public Health.

PROGRAMME

The framework of the Meeting consists of five sessions focused on the more significant research areas of the Department, with introductory keynote lectures and oral presentations by the DMM principal investigators.

SCIENTIFIC ORGANIZER

Giorgio Palù
Department of Molecular Medicine, University of Padua

DMM SPEAKERS AND CHAIRS

Alfredo Alberti	Alfredo Garzino Demo
Luca Azzolin	Enrico Lavezzo
Giovannella Baggio	Arianna Loregian
Paolo Bonaldo	Beatrice Mercorelli
Stefania Bortoluzzi	Giorgio Palu'
Ignazio Castagliuolo	Tito Panciera
Matilde Cescon	M.Cristina Parolin
Michelangelo Cordenonsi	Emanuela Ruggiero
Giorgio Cozza	Antonella Russo
Vincenzo Di Iorio	Stefano Toppo
Sirio Dupont	Fulvio Ursini
	Francesca Zanconato

GUEST SPEAKERS AND CHAIRS

Sergio Abrignani	INGM - Milano
Silvio Bicciato	DSV - UNIMORE
Gabriele Cruciani	DCBB - Università di Perugia
Mauro Giacca	ICGEB - Trieste
Stefano Moro	DSF - Università di Padova

SECRETARIAT

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Vincenzo Falconetti, Paolo Rigobello,
Federica Salandin, Paola Zanella

REGISTRATIONS

The course is free and reserved for 200 participants.
[Click here](https://goo.gl/M1zz1N) to register (https://goo.gl/M1zz1N) or scan the Qr code



OFFICIAL LANGUAGE

The official language is English. There will be no simultaneous translation

SPONSORS

With the contribution of (to be included)



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Department of Molecular Medicine

DMM scientific
MEETING

Padua, November 9th–10th, 2017

AULA MAGNA
POLO A. VALLISNERI
Viale G. Colombo 3–35131 Padua



THURSDAY, NOV 9th

13.30 Registrations

OPENING

14.15 Welcome to participants
Giorgio Palù

PLENARY LECTURE I

Chair M.Cristina Parolin

14.30 New genes for old hearts
Mauro Giacca

SESSION 1

MICROBIAL PATHOGENESIS AND IMMUNITY

Chair M.Cristina Parolin

15.30 HIV pathogenesis at the interface between innate and adaptive immunity: some ideas on novel therapeutics
Alfredo Garzino Demo

15.50 Herpes simplex virus type 1 manoeuvres the local immune environment during the infection of the enteric nervous system
Ignazio Castagliuolo

16.10 i-motif DNA secondary structures in HIV-1 LTR proviral genome
Emanuela Ruggiero

16.30 - 16.40 Discussion

SESSION 2

TARGET IDENTIFICATION AND DRUG DESIGN

Chair Arianna Loregian

16.40 Lipidomics fingerprints in toxic endpoint prediction
Gabriele Cruciani

17.05 New computational trends in exploring ligand-protein recognition pathways
Stefano Moro

17.30 Alternative strategies for F508delCFTR repair: novel targets for drug discovery approach in Cystic Fibrosis
Giorgio Cozza

17.50 The IE2 protein of human cytomegalovirus: an "old" target with a new appeal for antiviral strategies
Beatrice Mercorelli

18.10 - 18.30 Discussion

FRIDAY, NOV 10th

PLENARY LECTURE II

Chair Giorgio Palù

9.00 Interrogation of tissue derived lymphocytes to recapitulate tissue immunoediting
Sergio Abrignani

SESSION 3

STEM CELL BIOLOGY AND REGENERATIVE MEDICINE

Chair Michelangelo Cordenonsi

10.00 De novo generation of somatic stem cells by YAP/TAZ
Tito Panciera

10.20 Cellular reprogramming links environmental signalling to YAP/TAZ and tissue regeneration
Luca Azzolin

10.40 Stem Cell Therapy for Eye Diseases
Vincenzo Di Iorio

11.00 - 11.15 Discussion

11:15 - 11:30 BREAK

SESSION 4

ANIMAL MODELS AND TRANSLATIONAL MEDICINE

Chair Giovannella Baggio

11.30 A new mouse model to study the effects of mechanical signals on tissue physiology
Sirio Dupont

11.50 Novel implications for Collagen VI in psychiatric disorders
Matilde Cescon

12.10 Mechanisms of Bet-i inhibitors as anti-cancer drugs
Francesca Zanconato

12.30 Hepatitis C: from cure to eradication
Alfredo Alberti

12.50 -13.00 Discussion

13.00 LUNCH

SESSION 5

GENETICS, OMICS AND BIOINFORMATICS

Chair Paolo Bonaldo

14.30 Characterizing circular RNA in blood cells
Stefania Bortoluzzi

14.50 The interplay between DNA replication and genome stability in human cells
Antonella Russo

15.10 Analysis of NGS data to characterize viral variability: a case study applied to Human papillomavirus infections
Enrico Lavezzo

15.30 Protein function prediction and beyond: an update and new advances
Stefano Toppo

15.50 Computational methods for studying the 3D genome architecture
Silvio Bicciato

16.10- 16.40 Discussion

PLENARY LECTURE III - ore 16.40

Chair Paolo Bonaldo

16.40 Oxygen, selenium and lipid rancidity: how GPx4 controls cell life and death.
Fulvio Ursini