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

GUEST SPEAKERS AND CHAIRS
Sergio Abrignani
Silvio Bicciato
Gabriele Cruciani
Mauro Giacca
Stefano Moro
INGM - Milano
DSV - UNIMORE
DCBB - Università di Perugia
ICGB - Trieste
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 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)
**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

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 A new model for 3D genome folding tested in Mycobacterium bovis
  Enrico Lavezzo

15.30 DNA secondary structures and the tool NeSSie for the identification of sequence elements
  Stefano Toppo

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

16.10- 16.40 Discussion

**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

17.40 Discussion and Conclusion