

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 four sessions focused on the more significant research areas of the Department, with introductory keynote lectures and oral presentations by the DMM principal investigators.

SCIENTIFIC ORGANIZERS

Giorgio Palù and Riccardo Manganelli,
Department of Molecular Medicine
University of Padua

DMM SPEAKERS AND CHAIRS

Gualtiero Alvisi	Graziano Martello
Anna Aprile	Lorenzo Messa
Monica Basso	Giorgio Palu'
Michele Berselli	Tito Panciera
Paolo Bonaldo	M. Cristina Parolin
Paola Braghetta	Antonella Roveri
Annamaria Brunati	Marianna Russo
Massimiliano Cadamuro	Cristiano Salata
Arianna Calistri	Elena Tibaldi
Michelangelo Cordenonsi	Marta Trevisan
Enrico Furlan	Fulvio Ursini

GUEST SPEAKERS AND CHAIRS

Andrea Crisanti,
Imperial College, London, UK

Antonella Forlino,
University of Pavia

Fulvio Mavilio,
University of Modena and Reggio Emilia, Modena, Audentes Therapeutics, San Francisco, USA

Mario Strazzabosco,
Yale University, New Haven, CT, USA

Paolo Visca,
University of Roma Tre

SECRETARIAT

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- Federica Salandin, DMM
- Paola Zanella, DMM
- Paolo Rigobello, DMM

REGISTRATIONS

The course is free and reserved for 200 participants. Click here to register (<https://goo.gl/CuWm6i>)

or scan the Qr code



OFFICIAL LANGUAGE

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



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Department of Molecular Medicine

DMM scientific
MEETING

Padua, February 27th - 28th, 2019

AULA MAGNA
POLO A. VALLISNERI
Viale G. Colombo 3 - 35131 Padova



WEDNESDAY, FEB 27th

13.15 Registrations

OPENING

13.45 Welcome address

Rosario Rizzuto, *Magnificent Rector*

Mario Plebani, *President, School of Medicine*

**SESSION 1
MICROBIAL PATHOGENESIS
AND IMMUNITY**

Chair Giorgio Palù

Plenary lecture

14.00 Gene drives for population suppression of malaria vectors

Andrea Crisanti

14.45 Nucleocytoplasmic shuttling in human disease

Gualtiero Alvisi

15.05 Characterization of Nairovirus infection of Hyalomma-derived tick cell lines

Cristiano Salata

15.25 Structural rearrangements of human papilloma-virus oncoprotein E6 mediate differential transforming activities

Lorenzo Messa

15.45 Vaccination ethics: is it enough to be right?

Enrico Furlan

**SESSION 2
CANCER, STEM CELL BIOLOGY AND
MOLECULAR MEDICINE**

Chair Paolo Bonaldo

Plenary Lecture

16.15 Rare cholangiopathies: the Rosetta Stone to translate liver

Mario Strazzabosco

THURSDAY, FEB 28th

**SESSION 2
CANCER, STEM CELL BIOLOGY AND
MOLECULAR MEDICINE**

Chair Michelangelo Cordenonsi

Plenary Lecture

09.00 Role of cell stress in skeletal diseases

Antonella Forlino

09.45 Emilins: a family of multitasking extracellular matrix proteins with key roles in signaling and tissue homeostasis

Paola Braghetta

10.05 How to make a pluripotent stem cell

Graziano Martello

10.25 At the roots of cancer: what it takes to transform a human cell

Tito Panciera

10.45 - 11.00 COFFEE BREAK

11.00 Epithelial-mesenchymal interaction drives tumour-associated lymphangiogenesis and lymphatic dissemination in cholangiocarcinoma

Massimiliano Cadamuro

11.20 HCV: an old disease?

Monica Basso

11.40 Selective brain stem necrosis. Forensic implications

Anna Aprile - Marianna Russo

**SESSION 3
ADVANCED MOLECULAR THERAPIES**

Chair M. Cristina Parolin

Plenary Lecture

12.00 Gene therapy for inherited muscle diseases

Fulvio Mavilio

12.45 Oncolytic HSV-1: can we really fight the cancer with a virus?

Arianna Calistri

13.05 Gene editing of patient-specific induced pluripotent stem cells for cell therapy of EEC-syndrome

Marta Trevisan

13.25 - 14.30 LUNCH

**SESSION 4
TARGET IDENTIFICATION
AND DRUGS DESIGN**

Chair Fulvio Ursini

Plenary Lecture

14.30 Repositioning in antimicrobial drug discovery, a short cut to fight resistance

Paolo Visca

15.15 Reawakening the sleeping beauty: PP2A as druggable target for combatting cancer and beyond

Annamaria Brunati - Elena Tibaldi

15.35 Induction of ferroptosis by the anti-cancer drug RSL3: purification and characterization of the indispensable adaptor protein driving GPx4 inactivation

Antonella Roveri

15.55 Searching for long-looped or tandem G-quadruplexes potentially distinctive and druggable

Michele Berselli

16.15 - 16.45 Discussion and Conclusion