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.

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
- Michela Nandi, DMM
  Via A. Gabelli 63, 35121 Padova
  Tel. 049/8272362-8211325 Fax 049/8272355
  Email: michela.nandi@unipd.it
- 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.

Department of Molecular Medicine
Padua, February 27th - 28th, 2019
AULA MAGNA
POLO A. VALLISNERI
Viale G. Colombo 3 - 35131 Padova
### THURSDAY, FEB 28th

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 2 CANCER, STEM CELL BIOLOGY AND MOLECULAR MEDICINE Chair Michelangelo Cordenonsi</th>
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| 09.00  | Plenary Lecture 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-mesenchimal 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 |

### WEDNESDAY, FEB 27th

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1 MICROBIAL PATHOGENESIS AND IMMUNITY Chair Giorgio Palù</th>
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<tr>
<td>13.15</td>
<td>Registrations</td>
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</table>
| 13.45  | OPENING  
Rosario Rizzuto, Magnificent Rector  
Mario Plebani, President, School of Medicine |
| 14.00  | Plenary lecture Gene drives for population suppression of malaria vectors  
Andrea Crisanti |
| 15.05  | Nucleocyttoplasmic shuttling in human disease  
Gualtiero Alvisi |
| 15.25  | Characterization of Nairovirus infection of Hyalomma-derived tick cell lines  
Cristiano Salata |
| 14.45  | 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 3 ADVANCED MOLECULAR THERAPIES Chair M. Cristina Parolin

| Time   | Plenary Lecture Gene therapy for inherited muscle diseases  
Fulvio Mavilio |
|--------|---------------------------------------------------------------|
| 12.00  | Oncolytic HSV-1: can we really fight the cancer with a virus?  
Arianna Calisti |
| 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

| Time   | Plenary Lecture Repositioning in antimicrobial drug discovery, a short cut to fight resistance  
Paolo Visca |
|--------|-------------------------------------------------------------------------------------------------|
| 14.30  | Reawakening the sleeping beauty: PP2A as druggable target for combatting cancer and beyond  
Annamaria Brunati - Elena Tibaldi |
| 15.15  | 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 |

### SESSION 1 MICROBIAL PATHOGENESIS AND IMMUNITY Chair Paolo Bonaldo

| Time   | Plenary lecture Gene drives for population suppression of malaria vectors  
Andrea Crisanti |
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| 14.00  | Nucleocyttoplasmic shuttling in human disease  
Gualtiero Alvisi |
| 15.05  | Characterization of Nairovirus infection of Hyalomma-derived tick cell lines  
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| 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

| Time   | Plenary Lecture Rare cholangiopathies: the Rosetta Stone to translate liver  
Mario Strazzabosco |
|--------|----------------------------------------------------------------------|
| 16.15  | Plenary lecture Rare cholangiopathies: the Rosetta Stone to translate liver  
Mario Strazzabosco |