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DEGLI STUDI  
DI MILANO



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DI PALERMO

# Conference of translational medicine on pathogenesis and therapy of immune-mediated diseases

Innate immunity, inflammation  
and human models of diseases.

Auto-inflammation/Autoimmunity, Cancer and Viral Infections

March 27<sup>th</sup> - 29<sup>th</sup>, 2017  
*Palermo, Italy*



[www.translationalimmunology.it](http://www.translationalimmunology.it)

*preliminary program*

**VENUE**

Aula Magna della Scuola Politecnica University of Palermo,  
Campus Viale delle Scienze - 90128 Palermo

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*This meeting is supported by the joint Ph.D. program between UNIPA (University of Palermo) and HUNIMED (Humanitas University)*



Comune di Palermo





# Monday 27<sup>th</sup>, March 2017

## OPENING DAY

### LUNCH

### SATELLITE SYMPOSIA

*Sponsored by BD Biosciences*

12:00 **APPLICATION OF ADVANCED FLOW CYTOMETRY**

Chair: Enrico Lugli, *Humanitas Research Hospital, Milan, Italy*

Silvia Della Bella, *University of Milan and Humanitas Research Hospital, Italy*

12:10 Mario Roederer, *NIAIMS, NIH, Bethesda, MD, USA*

**Leukocyte Trafficking in Primates: More Regulation Than Green, Yellow, Red**

12:55 Ido Amit, *Immunology Department, Weizmann Institute of Science, Israel*

13:25 **The power of ONE: Immunology in the age of single cell genomics**

Edoardo Fiorillo, *Genetic and Biomedic Research Institute (IRGB), CNR, Monserrato, Italy*

**Immune system dissection and its genetic regulation: impact on complex diseases**

13:55 Robert Balderas, *Vice President, R&D at BD Biosciences, USA*

**Integration of receptor proteome in Panel Design for HP flow**

14:25 **DISCUSSION PANEL**

### MINI SATELLITE SYMPOSIA

*Sponsored by Thermo Fisher Scientific*

### DRIVING EXCELLENCE AND INNOVATION IN TAKING BIOMARKERS FROM BENCH TO BEDSIDE

15:10 *Speaker: Mike Evans, Business Development Manager*

**RNA biomarkers: Choosing the right tool for the job**

15:55 *Speaker: Gauri Ganpule, Associated Director Product Management - Oncology*

**Next Generation Sequencing advances Immuno-Oncology translational research**

16:40 / 17:55

### MEET THE EXPERT

*Sponsored by Charles River*

### CRISPR/CAS9 FOR RODENT MODELS OF HUMAN DISEASES: THE GOOD, THE BAD AND THE UGLY

*Speaker: Guillaume Pavlovic, Genetic Engineering and Model Validation Department, Institut Clinique de la Souris, France*

18:10 **OPENING CEREMONY AND WELCOME**

Domenico Mavilio, *University of Milan and Humanitas Research Hospital, Italy*  
Francesco Dieli, *University of Palermo, Palermo, Italy*

18:30 **Opening Lecture**

**TOPIC: IL-1 FAMILY CYTOKINES IN THERAPY**

*Chair: Antonio Sica, Humanitas Research Hospital, Milan, Italy*

*Speaker: Charles Dinarello, University of Colorado School of Medicine, Colorado, USA*

19:15 **OPENING RECEPTION, POSTER SESSION**



# Tuesday 28<sup>th</sup>, March 2017

## AUTO-INFLAMMATION AND AUTO-IMMUNITY

### 9:00 **Opening Lecture**

#### SOME LESSONS FROM AUTOINFLAMMATORY DISEASES

*Chair:* Alberto Martini, *G. Gaslini Institute, Genoa, Italy*

*Speaker:* Dan Kastner, *NHGRI, NIH, Bethesda, MD, USA*

### FIRST SESSION

#### FROM AUTO-INFLAMMATION TO AUTOIMMUNITY

*Chairs:* Richard Siegel, *NIAIMS, NIH, Bethesda, MD, USA*

Mariana Kaplan, *NIAIMS, NIH, Bethesda, MD, USA*

10:00 Richard Siegel, *NIAIMS, NIH, Bethesda, MD, USA*

10:20 Mariana Kaplan, *NIAIMS, NIH, Bethesda, MD, USA*

10:40 Alberto Martini, *G. Gaslini Institute, Genoa, Italy*

11:00 Yen-an Bryceson, *Karolinska Institutet, Karolinska University Hospital Huddinge Center for Hematology and Regenerative Medicine (HERM), Huddinge, Sweden*

11:20 **SHORT TALK SELECTED FROM SUBMITTED ABSTRACTS**

11:30 **DISCUSSION PANEL**

11:40 - 12:10 **COFFEE BREAK & POSTER VIEW**

#### MEET THE EXPERT

12:10 **FROM PATHOGENESIS TO THERAPY OF AUTO-INFLAMMATORY DISEASES:  
CANAKINUMAB AND ITS CLINICAL IMPLICATION**

*Speaker:* Marco Gattorno, *G. Gaslini Institute, Genoa, Italy*

13:00 **LUNCH & POSTER VIEW**

#### MEET THE EXPERT

*Sponsored by Merck*

13:50 **AMNIS IMAGING FLOW CYTOMETRY: AN INNOVATIVE AND POWERFUL  
TOOL FOR UNCONVENTIONAL FLOW CYTOMETRY ASSAYS**

*Speaker:* Carlo Raviolo, *Merck, spA*

## SECOND SESSION

### FROM AUTO-INFLAMMATION TO CARDIOVASCULAR DISEASES

*Chairs:* Manfred Boehm, *Center for Molecular Medicine, NHLBI-NIH, Bethesda, USA*  
Ivona Aksentijevich, *National Human Research Genome Institute, Bethesda, USA*

14:30 Manfred Boehm, *Center for Molecular Medicine, NHLBI-NIH, Bethesda, USA*

14:50 Ivona Aksentijevich, *National Human Research Genome Institute, Bethesda, USA*

15:10 Min Ae Lee-Kirsch, *University Carl Gustav Carus Technische Universität Dresden, Germany*

15:30 Connie Weyand, *Stanford University School of Medicine, Stanford, USA*

15:50 **SHORT TALK SELECTED FROM SUBMITTED ABSTRACTS**

16:00 **DISCUSSION PANEL**

16:10 - 16:40 **COFFEE BREAK & POSTER VIEW**

## THIRD SESSION

### AUTOINFLAMMATION TO PRIMARY IMMUNO DEFICIENCIES AT THE BORDERS WITH INFECTIONS

*Chairs:* Anna Villa, *National Research Council IRGB Institute and Humanitas Research Hospital, Milan, Italy*  
Steven Holland, *NIAIMS, NIH, Bethesda, MD, USA*

16:40 Steven Holland, *NIAIMS, NIH, Bethesda, MD, USA*

17:00 Anna Villa, *National Research Council IRGB Institute and Humanitas Research Hospital, Milan, Italy*

17:20 Ridha Barbouche, *Institut Pasteur de Tunis, Tunis*

17:40 **SHORT TALK SELECTED FROM SUBMITTED ABSTRACTS**

17:50 **DISCUSSION PANEL**

## FINAL SESSION

### LENTIVIRUS TECHNOLOGY IN GENE THERAPY

18:00 **MEET THE EXPERT**

*Sponsored by Miltenyi Biotec*

*Speaker:* Boro Dropulic, *Lentigen Technology, Inc. a Miltenyi Biotec Company, Gaithersburg, USA*

18:20-19:20

## Closing Lecture

*Chair:* Anna Villa, *National Research Council IRGB Institute and Humanitas Research Hospital, Milan, Italy*

*Speaker:* Luigi Naldini, *San Raffaele Institute and Telethon Institute, Milan, Italy*

20:00 **SOCIAL DINNER IN DOWNTOWN PALERMO**



# Wednesday 29<sup>th</sup>, March 2017

## CANCER AND VIRAL IMMUNITY

### 9:00 **Opening Lecture**

**TOPIC: CANCER IMMUNOLOGY**

*Chair: Massimo Locati, University of Milan and Humanitas Research Hospital, Italy*

*Speaker: Alberto Mantovani, HUNIMED University and Humanitas Research Hospital, Milan, Italy*

### FIRST SESSION

#### **INNATE IMMUNITY AND CANCER I**

*Chairs: Raffaella Bonecchi, HUNIMED University and Humanitas Research Hospital, Milan, Italy  
Stefania Vetrano, HUNIMED University and Humanitas Research Hospital, Milan, Italy*

10:00 Marco Cassatella, *University of Verona, Italy*

10:20 Gioacchino Natoli, *HUNIMED University and Humanitas Research Hospital, Milan, Italy*

10:40 Michele de Palma, *École Polytechnique Fédérale de Lausanne (EPFL) Lausanne, Switzerland*

11:00 Carola Ries, *Roche Innovation Center Munich, Germany*

11:20 Massimiliano Mazzone, *University of Leuven, Leuven, Belgium*

11:40 **SHORT TALK SELECTED FROM SUBMITTED ABSTRACTS**

11:50 **DISCUSSION PANEL**

12:00 - 12:30 **COFFEE BREAK**

### **MINI-SYMPOSIA**

12:30 **INNATE LYMPHOID CELLS AND TRANSLATIONAL MEDICINE**

*Sponsored by Stemcell – Voden*

*Chair: Massimo Locati, University of Milan, Humanitas Research Hospital, Milan, Italy*

*Speakers: Francesco Annunziato, University of Florence, Italy*

*Camilla Jandus, University of Lausanne, Switzerland*

*Yanet Valdez, University of British Columbia, Vancouver, Canada*

13:20 **LUNCH & POSTER VIEW**

## SECOND SESSION

### INNATE IMMUNITY AND CANCER II

*Chairs:* Bruno Silva-Santos, *University of Lisbona, Lisbona, Portugal*  
Francesco Dieli, *University of Palermo, Palermo, Italy*

14:20 Franco Locatelli, *University of Pavia, Pavia, Italy*

14:40 Bruno Silva-Santos, *University of Lisbona, Lisbona, Portugal*

15:00 Dmitry Gabrilovich, *Wistar Institute, Philadelphia, PA, USA*

15:20 **SHORT TALK SELECTED FROM SUBMITTED ABSTRACTS**

15:30 **DISCUSSION PANEL**

15:40 - 16:10 **COFFEE BREAK & POSTER VIEW**

## THIRD SESSION

16:10 **IN TRANSITION: FROM CANCER TO INFECTION**

*Speakers:* Elisabeth Murchison, *University of Cambridge, U.K.*

### INNATE IMMUNITY AND VIRAL INFECTIONS

*Chairs:* Luis Montaner, *Wistar Institute, Philadelphia, PA, USA*  
Domenico Mavilio, *University of Milan and Humanitas Research Hospital, Italy*

16:30 Luis Montaner, *Wistar Institute, Philadelphia, PA, USA*

16:50 Frank Kirchhoff, *Ulm University Medical Center, Ulm, Germany*

17:10 David Weiner, *Wistar Institute, Philadelphia, PA, USA*

17:30 Miguel Lopez-Botet, *University Pompeu Fabra, Barcelona, Spain*

17:50 **SHORT TALK SELECTED FROM SUBMITTED ABSTRACTS**

18:00 **DISCUSSION PANEL**

18:10 **Closing Lecture**

**TOPIC: HIV-1 INFECTION**

*Chair:* Domenico Mavilio, *University of Milan and Humanitas Research Hospital, Italy*  
*Speaker:* Robert Gallo, *Institute of Human Virology, University of Maryland School of Medicine, Co-Founder & Scientific Director, Global Virus Network, USA*

**SELECTED ORAL PRESENTATIONS, POSTER DISCUSSIONS AND SOCIAL EVENTS  
WILL BE INCLUDED IN THE FINAL VERSION OF THE PROGRAM**





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## VENUE

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## SCIENTIFIC SECRETARIAT

*Chairman* Domenico Mavilio

University of Milan and Humanitas Research Hospital, Italy

*Local Organizer* Francesco Dieli

University of Palermo, Italy

## Members of the Scientific Committee

Ivona Aksentijevich, Manfred Boehm, Marco Cassatella,  
Marco Gattorno, Steve Holland, Massimo Locati, Enrico Lugli,  
Luis Montaner, Richard Siegel, Anna Villa

[www.translationalimmunology.it](http://www.translationalimmunology.it)

## ORGANIZING SECRETARIAT



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