



UNIVERSITÀ
DEGLI STUDI
DI MILANO



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DEGLI STUDI
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 27th - 29th, 2017
Palermo, Italy



www.translationalimmunology.it

preliminary program

VENUE

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

Under the patronage of



Rendiamo il cancro sempre più curabile.



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



Comune di Palermo





Monday 27th, March 2017

OPENING DAY

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*

Speakers: Mario Roederer, *NIAIMS, NIH, Bethesda, MD, USA*
(*keynote opening*)

Ido Amit, *Immunology Department, Weizmann Institute of Science, Israel*

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

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

16:30 - 17:30

MINI SATELLITE SYMPOSIA

Sponsored by AFFIMETRIX

17:45 **OPENING CEREMONY AND WELCOME**

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

Francesco Dieli, *University of Palermo, Palermo, Italy*

18:00 *Opening Lecture*

TOPIC: IL-1 FAMILY CYTOKINES IN THERAPY

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

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

18:45 **OPENING RECEPTION, POSTER SESSION**



Tuesday 28th, March 2017

AUTO-INFLAMMATION AND AUTO-IMMUNITY

9:00 *Opening Lecture*

TOPIC: AUTO-INFLAMMATORY 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**

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

13:00 **LUNCH & POSTER VIEW**

13:00 **LUNCH ON SEMINAR**

MEET THE EXPERT

CRISPR/CAS9 IN RODENT ANIMALS: THE GOOD, THE BAD AND THE UGLY

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

Sponsored by Charles River

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*

14:10 Manfred Boehm, *Center for Molecular Medicine, NHLBI-NIH, Bethesda, USA*

14:30 Ivona Aksentijevich, *National Human Research Genome Institute, Bethesda, USA*

14:50 Min Ae Lee-Kirsch, *University Carl Gustav Carus Technische Universität Dresden, Germany*

15:10 Connie Weyand, *Stanford University School of Medicine, Stanford, USA*

15:30 **SHORT TALK SELECTED FROM SUBMITTED ABSTRACTS**

15:40 **DISCUSSION PANEL**

15:50 - 16:10 **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*

16:10 Steven Holland, *NIAIMS, NIH, Bethesda, MD, USA*

16:30 Anna Villa, *National Research Council IRGB Institute and Humanitas Research Hospital, Milan, Italy*

16:50 Ridha Barbouche, *Institut Pasteur de Tunis, Tunis*

17:10 Alain Fischer, *Collège de France, Paris, Italy*

17:30 **SHORT TALK SELECTED FROM SUBMITTED ABSTRACTS**

17:40 **DISCUSSION PANEL**

FINAL SESSION

LENTIVIRUS TECHNOLOGY IN GENE THERAPY

17:50 **MEET THE EXPERT**

Sponsored by Miltenyi Biotec

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

18:10-19:00

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 29th, 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 Giocchino 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 **COFFE 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**

VENUE

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

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

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ORGANIZING SECRETARIAT



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