4th 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

SIICA

Society for Leukocyte Biology

UNIPA (University of Palermo)

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European Journal of Immunology

EFIS

Institut Pasteur de Tunis

FAYS

Comune di Palermo

ACRI Assicurazioni di Fondazioni e di Cossa di Risparmio Spa

This meeting is supported by the joint Ph.D. program between UNIPA (University of Palermo) and HUNIMED (Humanitas University).
Monday 27th, 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
The power of ONE: Immunology in the age of single cell genomics

13:25 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 28th, 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 Yenan 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
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 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 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

MIN-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 Lisbon, Lisbon, Portugal
        Francesco Dieli, University of Palermo, Palermo, Italy

14:20 Franco Locatelli, University of Pavia, Pavia, Italy
14:40 Bruno Silva-Santos, University of Lisbon, Lisbon, 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
VENUE
Aula Magna della Scuola Politecnica University of Palermo,
Campus Viale delle Scienze - 90128 Palermo

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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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