

Metabolic Regulation of The Immune Response

8th June 2018 | Rome

Aula Convegni CNR

Piazzale Aldo Moro, Ingresso via dei Marruccini

Organising Committee

John Hiscott

Istituto Pasteur Italia, Rome (Italy)

Angela Santoni

Sapienza University, Rome (Italy)

Francesca Di Rosa

Institute of Molecular Biology and Pathology, CNR, Rome (Italy)

Participation to the meeting is free, but participants are required to register online at: <http://www.eemservices.com/Istituto-Pasteur-8-June-2018/>

Invited Speakers

Andrew Bowie *School of Biochemistry & Immunology Trinity College Dublin, Ireland*

Peter Murray *Max Planck Institute Martinsried, Germany*

Olaf Gross *Freiburg University, Germany*

Giuseppe Matarese *IEOS - CNR University of Naples, "Federico II", Italy*

Ursula Grohmann *University of Perugia Dept. of Pathology, Italy*

Antonio Sica *University Piemonte Orientale "A. Avogadro" - Novara, Italy*

Program

MORNING SESSION

Chair: John Hiscott *(Istituto Pasteur Italia, Rome, Italy)*

10:00 – 10:15 John Hiscott

Introduction

10:15 – 11:00 Dr. Antonio Sica *(Piemonte Orientale University, Novara, Italy)*

Metabolic control of the mobilization of myeloid suppressor cells in cancer

11:00 – 11:45 Dr. Andrew Bowie *(Trinity College Dublin, Ireland)*

SARM regulates cell fate after inflammasome activation: new roles for an ancient protein

11:45 – 12:10 Dr. David Olgarnier *(Aarhus University, Denmark)*

Nrf2 is a negative regulator of STING during metabolic reprogramming

12:10 – 12:30 Dr. Alessio Paone *(Sapienza University, Rome, Italy)*

Linking inflammation to prostate cancer: innate immune receptor stimulation triggers metabolic re-programming in non-immune cells

12:30- 13:45 Lunch & Coffee

AFTERNOON SESSION

Chair: Francesca Di Rosa *(Institute of Molecular Biology and Pathology, CNR, Rome, Italy)*

13:45 – 14:30 Dr. Olaf Gross *(Freiburg University, Germany)*

Simultaneous targeting of cancer and immune cell metabolism: a topical approach

14:30 – 15:15 Dr. Ursula Grohmann *(University of Perugia, Italy)*

Targeting IDO1 dynamics in autoimmunity

15:15 – 15:40 Dr. Francesca Fallarino *(University of Perugia, Italy)*

A novel tryptophan metabolite-dependent circuit in DC1 promotes regulatory DC2 leading to suppression of autoimmune responses

15:40 – 16:00 Break

16:00 – 16:45 Dr. Giuseppe Matarese *(University of Naples Federico II & IEOS-CNR, Italy)*

A role for overnutrition and obesity in the autoimmunity epidemic

16:45 – 17:10 Dr. Silvia Piconese *(Sapienza University & Ist Pasteur, Rome, Italy)*

Fatty acid metabolism complements glycolysis in the selective regulatory T cell expansion during tumor growth

17:10 – 18:00 Dr. Peter Murray *(Max Planck Inst., Martinsried, Germany)*

Immunoregulation by amino acid metabolism