



Barcelona BioMed Conference Macrophages and inflammation October 25-27, 2010

INSTITUTE
FOR RESEARCH
IN BIOMEDICINE

Programme

Monday, October 25, 2010

8.30 Registration

9.00 Welcome by Joan J Guinovart, IRB Barcelona Director

Session I:

Chair: Alberto Mantovani, University of Milan. Milan (ITALY)

9.30 - 10.15 **Siamon Gordon** University of Oxford. Oxford (England)
Role of macrophages in innate immunity and inflammation

10.15 - 11.00 **Frederic Geissmann** Université Paris-Descartes. Paris (France)
Differentiation and functions of monocyte/macrophages

11.00 - 11.30 Coffee break and poster session

11.30 - 12.15 **Jorge Moscat** University of Cincinnati. Cincinnati (USA)
PKC ζ control of inflammation in obesity and cancer

12.15 - 13.00 **Jenny Pan-Yun Ting** University of North Carolina at Chapel Hill.
North Carolina (USA)
NLRs and infection, inflammation and cancer

13.00 - 15.00 Lunch (FresCo, C/ Carme, 16)

Session II:

Chair: Christopher K. Glass, University of California at San Diego. La Jolla (USA)

15.00 - 15.45 **Paul L. Fox** Lerner Research Institute. Cleveland (USA)
Post-transcriptional regulation of inflammatory gene expression by the GAIT system

15.45 - 16.30 **Christopher K. Glass** University of California at San Diego. La Jolla (USA)

Nuclear receptor repression pathways that regulate macrophage and microglia activation

16.30 - 17.00 **Coffee break and poster session**

17.00 - 17.45 **Gerald Krystal** Terry Fox Laboratory. Vancouver (Canada)

The role of SHIP in macrophage skewing

17.45 - 18.30 **Marco Colonna** Washington University School of Medicine. St. Louis (USA)

Unraveling the functions of viral sensors and plasmacytoid dendritic cells (pDC) in type I IFN responses to viral infections and autoimmunity

18.30 - 18.45 **Benedicte Chazaud** Institut Cochin. Paris (FRANCE)

Trophic activities of polarized macrophages in myogenesis

18.45 - 19.00 **Cristina Lopez-Rodriguez** Universitat Pompeu Fabra. Barcelona (SPAIN)

Transcriptional regulation of proinflammatory gene expression by NFAT5

Tuesday, October 26, 2010

Session III:

Chair: Derek W. Gilroy, University College London. London (UK)

9.00 - 9.45 **Derek W. Gilroy** University College London. London (UK)

Macrophages in the resolution of acute inflammatory response

9.45 - 10.30 **David M. Mosser** University of Maryland. College Park, MD (USA)

Monocyte and macrophage heterogeneity during infectious diseases

10.30 - 11.15 **Veit Hornung** University of Bonn. Bonn (Germany)

Intracellular DNA recognition by the innate immune system

11.15 - 11.45 **Coffee break and poster session**

11.45 - 12.30 **Argyrios N. Theofilopoulos** The Scripps Research Institute. La Jolla (USA)

Innate Sensors in Systemic Autoimmunity

12.30 - 13.15 **Emil Unanue** Washington University School of Medicine. St. Louis (USA)

The presentation of diverse class II-MHC epitopes to CD4 T cells depends on processing events in the APC but is influenced by extraneous cells

13.15 - 15.30 **Lunch (Restaurant Fresco, C/ Carne, 16)**

Session IV:

Chair: Ira Tabas, Columbia University. New York (USA)

15.30 - 16.15 **Massimo Locati** University of Milan. Milan (ITALY)
c-Myc controls alternative activation of human macrophages and tumor-associated macrophage biology

16.15 - 17.00 **Klaus Ley** La Jolla Institute for Allergy and Immunology. La Jolla (USA)
New macrophage phenotypes

17.00 - 17.30 Coffee break and poster session

17.30 - 18.15 **Ira Tabas** Columbia University. New York (USA)
Mechanisms and consequences of macrophage apoptosis in atherosclerosis

18.15 - 18.30 **Pura Muñoz** Universitat Pompeu Fabra. Barcelona (SPAIN)
MKP-1 is essential for temporally controlled macrophage activation in tissue repair

18.30 - 18.45 **Melanie Jayne Stables** University College London. London (UK)
Resolving-phase macrophages: A distinct subset in mice

18.45 - 19.00 **Aya Westbrook** University of California. Los Angeles (USA)
Mechanisms of intestinal inflammation-associated systemic genotoxicity in mice

20.30 Speakers dinner

Wednesday, October 27, 2010

Session V:

Chair: Thomas A. Wynn, National Institutes of Health. Bethesda (USA)

9.00 - 9.45 **Michael Karin** University of California at San Diego. La Jolla (USA)
NF- κ B and JAK-STAT signaling - convoluted interactions in the control of myelogenesis and inflammation

9.45 - 10.30 **Jeffrey W. Pollard** Albert Einstein College of Medicine. New York (USA)
Macrophage diversity promotes tumor progression and metastasis

10.30 - 11.15 **Dimitry I. Gabrilovich** University of South Florida. Tampa (USA)
Myeloid-derived suppressor cells. The blessing and the curse of morphological and functional heterogeneity

11.15 - 11.45 Coffee break and poster session

11.45 - 12.30 **Thomas A. Wynn** National Institutes of Health. Bethesda (USA)
Role of Arginase-1 in suppressor macrophage activity revealed with cell-specific knockout mice

12.30 General discussion and concluding remarks