

RHEUMATOID ARTHRITIS: FROM BASIC MECHANISMS TO THERAPY

Rheumatoid Arthritis Physiology and Mechanisms (RAPHYME) Network & Inflammation and Rheumatic Diseases (RIER) Network

December 3-4, 2015
Auditorium, Centro de Investigaciones Biológicas (CIB)
C/ Ramiro de Maeztu, 9. 28040 Madrid

SCIENTIFIC PROGRAM

THURSDAY, December 3rd

- 09:00-9:20 Welcome Address
Angel L. Corbí (CIB, CSIC, Madrid)
- 09:20-10:20 Keynote Address
Francisco Sánchez-Madrid (Hospital La Princesa, Madrid)
- BASIC MECHANISMS OF INFLAMMATION (I)**
Chairman: Antonio Castrillo (IIB, CSIC, Madrid)
- 10:20-10:50 Role of the atypical chemokine receptors in arthritis
Silvano Sozzani (University of Brescia, Brescia, Italy)
- 10:50-11:20 Studying chemokine receptor dynamics to define new ways to modulate immune function
Mario Mellado (CNB, CSIC, Madrid)
- 11:20-11:50 Coffee break
- BASIC MECHANISMS OF INFLAMMATION (II)**
Chairman: Angel L. Corbí (CIB, CSIC, Madrid)
- 11:50-12:20 How do dendritic cells induce T cell activation?
José Luis Rodríguez-Fernández (CIB, CSIC, Madrid)
- 12:20-12:50 Serotonin: an immune-regulator in arthritis through the Th17/Treg balance
Francine Côté (Université Paris Descartes-Sorbonne Paris Cité, Paris)
- 12:50-13:20 Mechanisms of fibroblast activation
Jörg Distler (University of Erlangen-Nuremberg, Erlangen)
- 13.20-15:00 Lunch
- METABOLISM, MACROPHAGES AND INFLAMMATION**
Chairman: José Luis Rodríguez-Fernández (CIB, CSIC, Madrid)
- 15:00-15:30 Macrophage metabolism rewiring: from atherogenesis to tumor growth
Lisardo Boscá (IIB, CSIC, Madrid)
- 15:30-16:00 New insights into the role of LXR nuclear receptors in macrophage functions
Antonio Castrillo (IIB, CSIC, Madrid)
- 16:00-16:30 Identification of MAFB target genes in anti-inflammatory macrophages
Angel L. Corbí (CIB, CSIC, Madrid)
- 16:30-17:00 Methotrexate selectively targets human pro-inflammatory macrophages through a thymidylate synthase/p53 axis
Amaya Puig-Kröger (HGUGM, Madrid)

FRIDAY, December 4th

LYMPHOCYTES IN INFLAMMATION

Chairman: Mario Mellado (CNB, CSIC, Madrid)

- 09:00-9:30 Systemic effects of IL-17
Pierre Miossec (*Edouard Herriot Hospital, University of Lyon 1, Lyon*)
- 09:30-10:00 Role of adaptive immunity in rheumatoid arthritis
M^a Eugenia Miranda Carús (*HULP, Madrid*)
- 10:00-10:30 The pathogenic profile of memory Th cells in early arthritis. Modulation by VIP
Yasmina Juarranz (*UCM, Madrid*)
- 10:30-11:00 *Coffee break*

(EPI)GENETICS AND PROTEOMICS OF INFLAMMATION

Chairman: Amaya Puig-Kröger (HGUGM, Madrid)

- 11:00-11:30 Epigenetic modulations in Rheumatoid Arthritis
Steffen Gay (*University Hospital of Zurich, Zurich*)
- 11:30-12:00 DNA methylation in blood cells of Rheumatoid Arthritis patients
Antonio González (*IDICHUS, Santiago de Compostela*)
- 12:00-12:30 Proteomic approaches for identification of biomarkers for joint diseases
Francisco Blanco (*INIBIC, Coruña*)
- 12:30-13:00 Genomic of rheumatoid arthritis.
Javier Martín (*IPBLN, CSIC, Granada*)
- 13:00-14:30 *Lunch*

BIOMARKERS AND THERAPY

Chairman: M^a Eugenia Miranda Carús (HULP, Madrid)

- 14:30-15:00 Molecular mechanisms of antifolate resistance
Yehuda Assaraff (*Technion-Israel Institute of Technology, Haifa*)
- 15:00-15:30 The evolution of auto-antibody responses in arthritis; is there a role for microbes?
Rene Toes (*Leiden University Medical Center, Leiden*)
- 15:30-16:00 Why do we need a stratified medicine approach for the treatment of Rheumatoid Arthritis?
Costantino Pitzalis (*William Harvey Research Institute, London*)

End of Meeting