

RAPHYME/RIER

(Networks on Inflammation and Rheumatic Diseases)

Rheumatoid Arthritis: from Basic Mechanisms to Therapy

December 3-4, 2015

**Auditorium, Centro de Investigaciones Biológicas
Ramiro de Maeztu, 9. 28040 Madrid**

Organizers

**Antonio Castrillo
Angel L. Corbí
Rosa P. Gomariz
María Eugenia Miranda-Carús
Mario Mellado
José Luis Pablos
Amaya Puig-Kröger
José Luis Rodríguez-Fernández**

Application

**Registration fee is not required.
Please send application letter to
any of the following e-mails:**

acorbi@cib.csic.es

rodrifer@cib.csic.es

mmellado@cnb.csic.es

Speakers

**Yehuda G. Assaraf, Haifa
Francisco Blanco, La Coruña
Lisardo Boscá, Madrid
Antonio Castrillo, Madrid
Angel L. Corbí, Madrid
Francine Côté, Paris
Jörg Distler, Erlangen
Steffen Gay, Zurich
Antonio González, Santiago de Compostela
Yazmina Juarranz, Madrid
Javier Martín, Granada
Mario Mellado, Madrid
Pierre Miossec, Lyon
María Eugenia Miranda Carús, Madrid
Costantino Pitzalis, London
Amaya Puig-Kröger, Madrid
José Luis Rodríguez-Fernández, Madrid
Francisco Sánchez-Madrid, Madrid
Silvano Sozzani, Brescia
Rene Toes, Leiden**

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