

IV European Conference

“Genomics of Complex Diseases: New Challenges”

Venue: Auditorium of the Center for Genomics and Oncological Research (GENYO)
Granada, Spain on October 4th - 5th, 2018



Day 1 - 4 th of October	
08:30	Registration
09:00 - 09:05	Introduction and welcome to the meeting José Antonio Lorente, Director of GENyO, Granada, Spain Marta E. Alarcón-Riquelme, GENyO, Granada, Spain & Chairman of the Sessions
09:05 - 12:45	Session 1: The microbiome in health and disease
09:05 - 09:45	Health, non-health, and the microbiota: A focus on SLE and autoimmunity Abelardo Margolles , Consejo Superior de Investigaciones Científicas, Villaviciosa, Spain
09:45 - 10:30	<u>Keynote Speaker</u> : The microbiome in multiple sclerosis Hartmut Wekerle , Max Plank Institute of Neurobiology, Germany
10:30 - 10:50	Coffee break
10:50 - 11:30	Lung insults and development of autoimmunity, with a focus on rheumatoid arthritis Anca Catrina , Center for Molecular Medicine, Karolinska Institutet, Sweden
11:30 - 12:10	The microbiota in systemic autoimmune diseases: the PRECISESADs experience Lorenzo Beretta , IRCCCS, Milan, Italy
12:10 - 12:45	Environment and B-cell specialization in autoimmune diseases Jacques-Olivier Pers , INSERM, Brest, France
12:45 - 14:15	Lunch
14:15 - 15:30	Oral presentations (4) of selected abstracts <i>Students and postdocs of PRECISESADS</i>
15:30 - 16:30	Coffee break and poster viewing
16:30 - 17:15	Session 2: The Environment and the Immune System
16:30 - 17:15	Mucosal-associated invariant T cells: a link between the microbiome and the immune system Agnes Lehuen , Institut Cochin, Paris

Day 2 - 5 th of October	
09:00 - 10:20	Session 3: Epigenomics, the immune system and metabolism
09:00 - 09:40	Using metabolomics to understand juvenile-onset SLE pathogenesis Elizabeth Jury , University College London, UK
09:40 - 10:20	Metabolic reprogramming of myeloid immune cells during chronic inflammation Jeroen DenDunnen , VU Medical Center, Amsterdam, The Netherlands
10:20 - 10:50	Coffee break
10:50 - 12:15	Session 4: Systems Immunology and big data
10:50 - 11:35	Decoding Intercellular Immune Signaling Networks by Quantitative Proteomics Felix Meissner , Max Planck Institute of Biochemistry, Martinsried/Munich, Germany
11:35 - 12:15	Imbalanced Big Data Classification: Models and applications Francisco Herrera , University of Granada, Spain
12:15 - 13:00	Oral presentations (2) of selected abstracts <i>Students and postdocs</i>
13:00 - 14:00	Lunch
14:00 - 14:40	Oral presentations (2) of selected abstracts <i>Students and postdocs</i>
14:40 - 16:30	Session 5: Down to the single cell
14:40 - 15:30	<u>Keynote Speaker</u> : Functional genetics and genomics to define rheumatoid arthritis Soumya Rachaudhuri , Broad Institute, MIT, Harvard, Boston and University of Manchester, UK
15:30 - 16:15	Re-classification of the Systemic Autoimmune Diseases. Marta E. Alarcón-Riquelme , GENyO, Spain
16:15 - 16:30	Closing Panel: Marta E. Alarcón-Riquelme (GENyO) and John Ioannou (UCB)

Conference attendants will receive CME from the Royal College of Pathologists, UK