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I DE LA SALUT DE CATALUNYA I DE BALEARNS



SOCIETAT CATALANA D'IMMUNOLOGIA

XVII CONGRESS of the Catalan Society of Immunology (SCI)

Preliminary Programme

Barcelona, November 2 and 3rd, 2023

Hybrid meeting

***The overreacting immune
system against non-self***

Congress Office: Sr. Xavier Nieves

xaviernieves@academia.cat

Organization Committee (SCI Board)

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Scientific committee

Pablo Engel Rocamora

Nuria Izquierdo-Useros

Iñaki Alvarez Pérez

Ester Lozano García

José Yélamos López

Concepción Mora Giral

Welcome to the congress,

On behalf of the organizing committee, we would like to warmly welcome you to the XVII Societat Catalana d'Immunologia Congress (SCI Congress). We believe that our meeting will present high level scientific knowledge with the contribution of immunologists and different specialists in areas related to **The overreacting immune system against non-self**

Dr. Francisco Lozano

SCI President

Thursday, November 2nd

16:00	Welcome to the XVII CONGRESS of the SCI
16:15	Francisco Lozano (President of the SCI)
16:15	Joint symposium SCI-SCAIC Chairs: Moises Labrador (Hospital Universitari Vall d'Hebron) and Mariona Pascal (Hospital Clínic Barcelona) Speakers: Menno van Zelm (Department of Immunology, Erasmus MC, Rotterdam, The Netherlands) Title: <i>Antigen-specific insights into memory B cells in allergic disease</i>
18:00	Cristobalina Mayorga (Instituto de Investigación Biomédica de Málaga-IBIMA; Andalusian Centre for Nanomedicine and Biotechnology-BIONAND, and Hospital Regional Universitario de Málaga, Málaga, Spain) Title: <i>Nanotechnology in drug and food allergy</i> Oscar Palomares (Department of Biochemistry and Molecular Biology, School of Chemistry, Complutense University of Madrid, Madrid, Spain) Title: <i>Novel strategies targeting dendritic cells for allergic diseases</i>
18:00	Coffee break @ posters
18:30	Oral Communications, Session 1: Allergy and Inflammation Chairs: Inaki Salvador (VHIO, Barcelona) and Joan Bartra (Hospital Clinic de Barcelona, Universitat de Barcelona) Heterogeneous IL-9 production by circulating skin-tropic and non-tropic memory T cells in atopic dermatitis patients. Irene García-Jiménez et al. Tolerance through Macrophages: Alterations in Type 1 Diabetes and Response to Antigen-Specific Immunotherapy. Ivan Garcia-Loza et al. Multiple sclerosis: new approach for the generation of tolerogenic dendritic cells induced with vitamin D3. Roger Domenech Garcia et al. Platelets as possible biomarker candidates to differentiate between neurodegenerative disorders. Noelia Arias et al. Detection of anti-PL7 autoantibodies by a commercial line immunoassay versus gold standard immunoprecipitation. Janire Perurena-Prieto et al.
20:00	

	Papel de la incompatibilidad KIR-HLA I en el desarrollo de inflamación microvascular con y sin anticuerpos donante-específicos postrasplante renal. Judith Federico-Vega et al.
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Friday, November 3rd

	Plenary Session 1
09:30	Chair: José Yélamos (Hospital del Mar Research Institute, Barcelona)
10:10	Speaker: Andrew McKenzie (MRC Laboratory of Molecular Biology, Cambridge, UK)
	Title: <i>Identifying new regulators of type-2 inflammation</i>
	The Binding Site Sponsored Talk
10:10	Speaker: Rafael Ríos-Tamayo (Hematology Department, Hospital Universitario Puerta de Hierro, Majadahonda).
10:40	Title: <i>Hevylite®: a unique biomarker for Monoclonality and Immunoparesis in Multiple Myeloma</i>
10:40	Coffee break @ posters
11:00	
	Oral Communications, Session 2: <i>Basic Immunology and Immunodeficiencies</i>
	Chairs: Jorge Lloberas (Facultat de Biologia, Universitat de Barcelona) and Concepción Mora (Facultat de Medicina, Universitat de Lleida)
	Deciphering the crosstalk between cDC1 and cytotoxic T-cells and NK-cells. Georgina Flórez-Grau et al.
	Type I interferonopathies, a macrophage disease. Carlos Batlle i Recoder et al.
11:00	End-Binding protein 1 regulates the metabolic fate of CD4+ T lymphocytes through the organization of the mitochondrial network. Álvaro Gómez-Morón et al.
12:30	Selective effects of C/EBP β in the transcriptional crosstalk between inflammatory signals and pharmacological LXR activation in macrophages. Estibaliz Glaría et al.
	Role of Skewed X-Chromosome Inactivation in Common Variable Immunodeficiency. Marina Garcia-Prat et al.
	Expanding the clinical phenotype of TRAF3 haploinsufficiency síndrome. Blanca A. Urban Vargas et al.
12:30	Ordinary General Meeting - Societat Catalana d'Immunologia
13:30	
13:30	Lunch @ posters
14:30	

14:30 15:10	Plenary Session 2 Chair: M^a José Rodríguez (Facultat de Farmàcia, Universitat de Barcelona) Speaker: Elodie Segura (INSERM U932, Institut Curie, Centre d'Immunothérapie) Title: <i>Impact of nutrition on immune responses in allergy and cancer</i>
15:10 15:40	QIAGEN Sponsored Talk Speaker: Anna Vila (Nephrology Department, Hospital Germans Trias i Pujol, Badalona) and María Iglesias Escudero (Immunology Department, Hospital Germans Trias i Pujol, Badalona) Title: <i>Monitoring the immunological response in the patient receiving a solid organ transplant. Usefulness of QuantiFERON CMV.</i>
15:40 17:10	Oral Communications, Session 3: <i>Viral Immunity</i> Chairs: Ana Angulo (Facultat de Medicina, University of Barcelona) and Nuria Izquierdo-Useros (IrsiCaixa AIDS Research Institute) Long-term immunodominant T-cell responses to S, Nsp3, NC, Env and M proteins of SARS-CoV-2 during hybrid immunity. Laia Bernad et al. Unvaccinated individuals with severe COVID-19 show a distinctive humoral response characterized by high levels of anti-S2 IgG and IgA antibodies and low avidity anti-RBD IgG responses. Núria Pedreño-Lopez et al. Identification of a Memory-Like NK Cell Population with Enhanced ADCC Activity in HIV Elite Controllers. Nerea Sánchez-Gaona et al. Functional MDSCs are Maintained during Antiretroviral Treatment (ART) and Preclude HIV-1 Reservoir Reactivation. Ana Gallego Cortés et al. HIV Infection Induces Neutralization-Interfering Antibodies that Hamper the Function of Neutralizing Antibodies. M^a Luisa Rodríguez de la Concepción et al. Lack of HIV-associated pathogenicity in Viremic Non-Progressors is related with preserved TLR4 responsiveness. Ángel Bayón-Gil et al.
17:10 17:30	Coffee Break @ posters
17:30 19:30	Oral Communications, Session 4: <i>Tumor Immunology and Immunotherapy</i> Chairs: Ester Lozano (Facultat de Biologia, Universitat de Barcelona) and Aura Muntasell (Hospital del Mar Medical Research Institute, Universitat Autònoma de Barcelona) Dual blockade of PD-L1 and TIGIT pathways activated DCs and partially restores proinflammatory function in chronic viral infection. Maria Lázaro-Díez et al. Therapeutic impact and immune modulation by MYC inhibition in KRAS driven NSCLC with diverse mutational landscapes. Íñigo González-Larreategui et al.

	Immunotherapy validation of Epstein Barr Virus Specific-T cells expressing the anti-CD19 Chimeric Antigen Receptor (CAR.CD19 ARI-0001) to treat B-cell neoplasms. Ana Gabriela Lara-de-León et al. Targeting of cancer cells by human CD6-based CAR-T/NK cells. Lucía Aragón Serrano et al. Single-cell RNA sequencing temporal analysis reveals a detrimental effect of JAK inhibition on myeloid cells in tofacitinib refractory ulcerative colitis patients. Elisa Melón-Ardanaz et al. Immunomonitoring of intravenous and subcutaneous anti-CD49d treatment in patients with Multiple Sclerosis. Alex Agundez Moreno et al.
19:30 20:10	Plenary Session 3 Chair: Pablo Engel (Facultat de Medicina, Universitat de Barcelona) Speaker: Nicolas Gaudenzio (Research Director at Infinity (Toulouse, FRA) and CSO at Genoskin (Toulouse FRA, Salem MA USA) Title: <i>In depth analysis of the skin ecosystem: from basic science to drug development</i>
20:10 20:20	Prize to the best communication and poster. Closing of the Congress Eva Martinez-Cáceres (Vice-President of the SCI).