XX Congress of the IBERIAN SOCIETY OF CYTOMETRY

12th, 13th and 14th of May

2027 • Sevilla



PROVISIONAL PROGRAMME

SOCIEDADE IBÉRICA DE CITOMETRIA

SIC

SOCIEDAD IBÉRICA DE CITOMETRÍA

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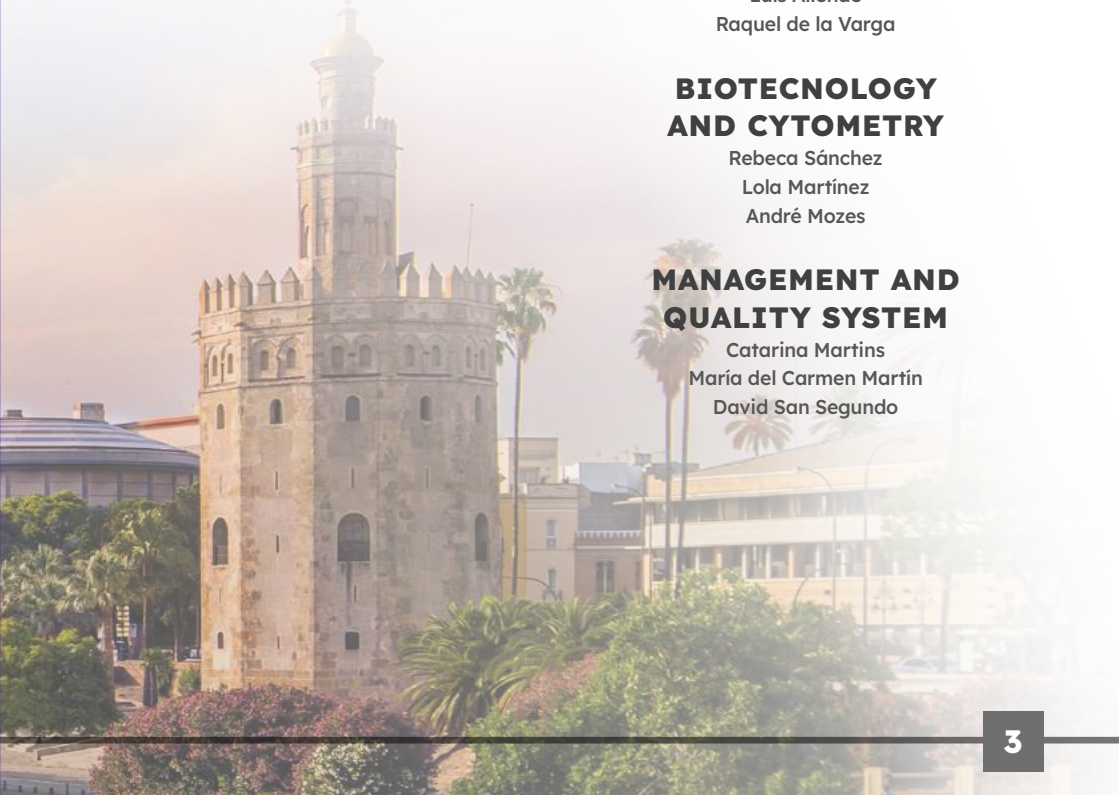
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MANAGEMENT AND QUALITY SYSTEM
Catarina Martins
María del Carmen Martín
David San Segundo



PRE-CONGRESS WORKSHOPS
12TH MAY 2027

9:00 - 12:30

WORKSHOPS:
CHOOSE 1 OF THE 5 OPTIONS

1. **WORKSHOP 1: Biotechnology.** Tips and tricks for reliable flow cytometry & cell sorting.

2. **WORKSHOP 2: Biotechnology.** AI tools in data analysis (Infinicyt, OMIQ and Cytolytics)

3. **WORKSHOP 3: Immunology.**

   a. Newborn Screening for Severe Combined Immunodeficiency (SCID).
   Luis Allende. *Servicio de Inmunología. H. Universitario 12 de Octubre, Madrid, España*

   b. Functional Flow Cytometric Assays To Assist in the Diagnosis of Genetic Variants in Inborn Errors of Immunity.
   Lucía del Pino. *H. Universitario La Paz, Madrid, España*
   Raquel de la Varga. *Servicio de Inmunología. H. Puerta del Mar, Cádiz, España*

   c. Immune Reconstitution Post-HSCT.
   Reyes Jiménez. *H. Universitario Virgen del Rocío, Sevilla, España*
   Marina Segura Guerrero. *H. Universitario Son Espases, Palma de Mallorca, España*

   d. Flow Cytometric Immune Monitoring of Patients Treated with CAR-T Cells.
   Elena Sánchez Zapardiel. *H. Universitario La Paz, Madrid, España*

4. **WORKSHOP 4: Hematology.** The Hodgkin Lymphoma Challenge in Flow Cytometry: From Technical Optimization to Diagnosis.
   Catarina Lau. *H. de Santo António, Porto, Portugal*
   Samuel Romero Dominguez. *H. Universitario y Politécnico La Fe, Valencia, España*

5. **WORKSHOP 5: Quality Assurance.** Everyday AI: supervised generation of SOPs, validation templates and technical reports.
   María del Carmen Martín Alonso. *Centro de Hemoterapia y Hemodonación de Castilla y León, Valladolid, España*

12th MAY 2027

14:15 - 14:30	**WELCOME**	
14:30 - 15:30	**OPENING CONFERENCES** Immune Dysregulation: From Rare Diseases to Precision Immunology Carola García de Vinuesa. *The Francis Crick Institute, London, UK* **Chairs:** Julia Almeida. *U. Salamanca, Salamanca, España* Amparo Sempere. *H. Universitario y Politécnico La Fe, Valencia, España* Luis Allende. *Servicio de Inmunología. H. Universitario 12 de Octubre, Madrid, España*	
15:30 - 16:30	**INDUSTRY SESSIONS**	
	PARALLEL 1.1	**PARALLEL 1.2**
	-	-
16:30 - 17:50	**PARALLEL 1.3 - Hematology** **Advances in Lymphoid Diagnostics: From Incidental Precursor States to Automated MRD Quantification** **Chairs:** Catarina Lau. *H. de Santo António, Porto, Portugal* Neus Villamor. *H. Clinic, Barcelona, España*	**PARALLEL 1.4 – Biotechnology** **Beyond Immunology: Novel Frontiers in Cytometry Applications** **Chairs:** André Mozes. *Flow Cytometry Platform, Champalimaud Foundation, Lisbon, Portugal* Rebeca Sánchez. *CIEMAT, Madrid, España*
30 min	T-CUS and MBL as incidental findings: clinical significance and reporting challenges Julia Almeida. *U. Salamanca, Salamanca, España*	Flow Cytometry as a tool to develop novel proxies for micoralgal PUFAs and pigments Daniel Figueiredo. *GreenCoLab, Portugal*
30 min	Automatic quantification of CLL MRD by next generation flow cytometry Sebastian Böttcher. *Rostock University Medical Center, Rostock , Germany*	Imaging: an integrated solution for classical challenges in Flow Cytometry Mariana Fernandes. *Flow Cytometry Head GIMM, Lisbon, Portugal*
10 min	Discussion	Discussion
8 min	Best communication selected	Best communication selected
2 min	Round table	Round table
17:50 - 18:20	**Coffee Break & Industry Exhibition**	

18:20 - 19:40	**PARALLEL 1.5 - Hematology/ immunology** **Chairs:** Teresa Caballero Velázquez. *H. Universitario Virgen del Rocío, Sevilla, España* Lucía del Pino. *H. Universitario La Paz, Madrid, España*
30 min	Advanced immune monitoring of CAR-T cell therapy by multiparametric flow cytometry Elena Sánchez Zapardiel. *H. Universitario La Paz, Madrid, España*
30 min	Impact of new therapies on the flow cytometry follow up in acute leukemia patients Montserrat Torrebadell. *H. Sant Joan de Déu, Barcelona, España.*
10 min	Discussion
8 min	Best communication selected



13TH MAY 2027

09:00 - 10:00	**PLENARY Session** Flow cytometry in the diagnosis of histiocytosis-C Cristina Teodosio. *U. Salamanca, Salamanca, España.* **Chairs:** Amparo Sempere. *H. Universitario y Politécnico La Fe, Valencia, España* Juan Flores. *H. Universitario de Salamanca, Salamanca, España*	
10:00 - 11:00	**INDUSTRY SESSIONS**	
	PARALLEL 2.1	**PARALLEL 2.2**
	-	-
11:00 - 11:30	**Coffee Break & Industry Exhibition**	
11:30 - 13:30	**PARALLEL 2.3 - Hematology** **Myeloid Pathology: New Flow Cytometry Frontiers and Challenges** **Chairs:** Concha Prats Martín. *H. Universitario Virgen del Rocío, Sevilla, España* M Belén Vidriales. *H. Universitario de Salamanca, Salamanca, España*	**PARALLEL 2.4 - Immunology** **Inborn Errors of Immunity: From Newborn Screening to Functional Diagnostics** **Chairs:** Luis Allende. *Servicio de Inmunología. H. Universitario 12 de Octubre, Madrid.* Raquel de la Varga. *Servicio de Inmunología. H. Puerta del Mar, Cádiz, España*
30 min	Beyond Immunophenotyping: SuperRCA Unlocks Molecular Flow Cytometry in Hematology Alberto Orfao. *U. Salamanca, Salamanca, España*	A Decade of experience in Newborn Screening for Severe Combined Immunodeficiency (SCID) in Cataluña Andrea Martín Nalda. *H. Universitario Vall d'Hebron, España*
30 min	Evaluation of monocytic compartment for MRD analysis in AML Sergio Matarraz. *U. Salamanca, Salamanca, España*	Deciphering Human Immunodeficiency Using Spectral Flow Cytometry Ana Espada de Sousa. *Gulbenkian Institute for Molecular Medicine, Portugal*
30 min	What should we know about flow cytometry ELN 2025 recommendations Joana Rodrigues. *Centro Hospitalar e Universitário de Coimbra, Coímbra, Portugal*	Functional Flow Cytometry in Common Variable Immunodeficiency: Insights into Mitochondrial Dysfunction, Reactive Oxygen Species and Autophagy in B Cells Vanesa Cunill. *H. Universitario son Espases, España*
20 min	Discussion	Discussion
8 min	Best communication selected	Best communication selected
2 min	Round table	Round table

13:30 - 14:30	**LUNCH & POSTER VIEWING**	
14:30 - 16:30	**PARALLEL 2.5 - Calidad IVRD & ISO15189** **Navigating the waves of compliance and accreditation: Flow Labs in the era of IVRD** **Chairs:** Caterina Martins. *U. NOVA de Lisboa, Lisboa, Portugal* David San Segundo. *H. Marqués de Valdecilla, Santander, España*	**PARALLEL 2.6 - Biotechnology** **Real biological Problems, Advanced Cytometry Solutions** **Chairs:** André Mozes. *Flow Cytometry Platform, Champalimaud Foundation, Lisbon, Portugal* Lola Martínez. *CNIO, Madrid, España*
30 min	Revisiting Article 5.5 and other implications of IVDR in Clinical Labs Loredana Simulescu. *Biomedical Alliance in Europe*	Large particle sorting as a tool for precision medicine in triple-negative breast cancer, description of a feasibility study Jordane Divoux. *Centre Francoise Baclesse, Caen, France (Sponsored by Unión Biométrica)*
30 min	Flow Cytometry Crossmatching: Current Methodological Standards, Validation Strategies and Regulatory Requirements Francisco Boix Giner. *Laboratorio de Histocompatibilidad del Centro de Transfusión de la Comunidad Valenciana, Valencia, España*	Ferroptosis is a physiologic vulnerability of iron recycling macrophages Miguel Mesquita. *GIMM, Lisbon, Portugal*
30 min	Tips and tricks for keeping afloat in the CAR-T flow Mercedes Rey. *H. Universitario Donostia, Donostia, España.*	Scenith Rafael J. Argüello. *Centre National de la Recherche Scientifique (CNRS), Marseille, France*
20 min	Discussion	Discussion
8 min	Best communication selected	Best communication selected
2 min	Round table	Round table
16:30 - 17:00	**Coffee Break & Industry Exhibition**	
17:00 - 18:30	**SIC WORKING GROUPS & GECLID Update of Activities** **Chairs:** Ana Yeguas. *H. Clínico Universitario de Valladolid, España* Carmen Martín Alonso. *Centro de Hemoterapia y Hemodonación de Castilla y León, Valladolid, España*	
18:30 - 19:00	**Latest SIC Updates**	

14TH MAY 2027

	PARALLEL 3.1 - Hematology **Rare Diseases: From Integrated Diagnosis to Advanced Follow-up**	PARALLEL 3.2 - Immunology **Advanced T-Cell Profiling: Immunomonitoring and Cellular Therapies**
9:00 - 11:00	**Chairs:** Laura Pérez Ortega. *H. Universitario Virgen del Rocío, Sevilla, España* Marta Reinoso Segura. *H. Universitario Virgen del Rocío, Sevilla, España*	**Chairs:** Reyes Jiménez León. *H. Universitario Virgen del Rocío, Sevilla, España* Guillermo Oliva Ariza. *Instituto de Biomedicina de Sevilla (IBiS), Sevilla, España*
30 min	Leukemia or Lymphoma? Integrated Diagnosis of High-Grade B-Cell Neoplasms in the Real World Teresa Caballero. *H. Virgen del Rocío, Sevilla, España*	Immune activation and exhaustion in chronic infections: clinical applications of flow cytometry Enrique Martín Gayo. *H. Universitario La Princesa, Madrid, España*
30 min	Flow Cytometry and Beyond: Advances in Amyloidosis Diagnosis and Follow-up Elena Alejo. *H. Universitario de Salamanca, Salamanca, España*	Adoptive γδ T-Cell Therapy for Cancer Immunotherapy Sofía Mensurado. *Gulbenkian Institute for Molecular Medicine, Portugal*
30 min	PNH Diagnostics in the Era of New Anti-Complement Therapies: How and When to Assess Red Cell and Reticulocyte Clones? Amparo Sempere. *H. Universitario y Politécnico La Fe, Valencia, España*	T Cell Polyfunctionality and Vaccine-Induced Immunity: Insights from Flow Cytometry Joanna Vitallé Andrade. *Instituto de Biomedicina de Sevilla (IBiS), Sevilla, España*
20 min	Discussion	Discussion
8 min	Best communication selected	Best communication selected
2 min	Round table	Round table

11:00 - 11:30	**Coffee Break & Industry Exhibition**
11:30 - 12:00	**SIC GENERAL ASSEMBLY**
12:00 - 12:30	**SIC AWARDS CEREMONY**
12:30 - 13:30	**CLOSING LECTURE** **AI in Cytometry: The Last Generation to Draw Boxes.** SOULCAP: The Name. The Field. The Cell. Then The Machine. Ryan Brinkman. *Department of Medical Genetics, University of British Columbia, Vancouver, British Columbia, Canada* **Chairs:** Julia Almeida. *U. Salamanca, Salamanca, España* Amparo Sempere. *H. Universitario y Politécnico La Fe, Valencia, España* Lola Martínez. *CNIO, Madrid, España*
13:30 - 13:45	**CLOSING CEREMONY**

INFORMATION

DATE AND LOCATION

May 12th to 14th,



Hotel Nh Collection Sevilla

Avenida de Diego Martínez Barrio 8,
41013, Sevilla (Andalucía)

Telephone 954 54 85 00

BED AND BREAKFAST

NH Collection Sevilla	DUI Room	Double Room
Superior Double	206,80 €	220 €

Price per night, breakfast and 10% VAT included.

Until 9/02/2027:
A 50% reduction of the total number of reserved rooms is allowed.

Until 9/03/2027:
A 20% reduction of the total number of reserved rooms is allowed.

From May 9 onwards:
100% cancellation fees apply.



TECHNICAL SECRETARIAT

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