

**ESCCA 2024**  
**Preliminary programme** *(subject to change)*

**WEDNESDAY 25 SEPTEMBER 2024**

**PRE-CONFERENCE WORKSHOPS**

<b>09:00-12:30</b>	<b>WS01</b>	<b>Workshop 1: MRD in ALL</b>	<b>Eivissa 1</b>
<p>Organisers: Ester Mejstrikova (Prague, CZ) and Michaela Reiterová (Prague, CZ) Level: Intermediate/Advanced. Max. 20 places, pre-registration required</p> <p>MRD in ALL is essential tool in monitoring treatment efficacy. Despite its frequent use in the majority of modern treatment protocols several issues remains unresolved and questionable. In BCP ALL regeneration of hematogones hampers sensitivity and interpretation might be subjective. Targeted treatment anti-19, anti-CD20 and anti-CD22 influences regeneration of normal B cell precursors. Newly defined subsets of BCP ALL namely characterised by DUX4 rearrangement frequently undergo lineage switch towards monocytic lineage and B cell oriented MRD fails in detection of switched blasts. In T ALL we will discuss the role of immunophenotypic heterogeneity in design of T ALL MRD panels. Category of immature T ALLs ("early T cell precursor leukemia") is frequently characterised by germline configuration of TCR genes resulting in unavailability of MRD assessment by molecular techniques and flow cytometry is crucial in this subset. During the workshop we will analyze FCS files of B and T ALL MRD samples.</p>			
09:00-09:45		MRD in BCP ALL introduction	Ester Mejstrikova
09:45-10:30		MRD in BCP ALL practical part	Ester Mejstrikova, Michaela Reiterova
10:30-11:00		<i>Coffee break</i>	
11:00-11:45		MRD in T ALL introduction	Michaela Reiterová
11:45-12:30		MRD in T ALL practical part	Michaela Reiterová, Ester Mejstrikova
<b>09:00-12:30</b>	<b>WS02</b>	<b>Workshop 2: Extracellular vesicles: welcome to the nano-flow world</b>	<b>Eivissa 2</b>
<p>Organiser: Alfonso Blanco (Dublin, IE) Level: Intermediate/Advanced. Max. 20 places, pre-registration required</p> <p>During this workshop, we will explain the technological difficulties of working with extracellular vesicles (EVs), from sample collection, storage and preparation and how they can influence in the final results. We will also cover the technical considerations for the analysis of the EVs as well as what are the best practices to optimize samples and instruments for this analysis. A practical session will take place showing how to perform the instrument set up, data analysis and how to detect some issues such as swarming effect. The programme will follow soon.</p>			
<b>09:00-12:30</b>	<b>WS03</b>	<b>Workshop 3: A practical approach to Immunodeficiency Analysis</b>	<b>Eivissa 3</b>
<p>Organiser: Fariba Tahami (London, UK) and Martín Pérez-Andrés (Salamanca, ES) Level: Intermediate. Max. 20 places, pre-registration required</p> <p>The participants will be trained in the following topics: i) screening of immunodeficiencies of the lymphoid system by flow cytometry including: severe and non-severe combined immunodeficiencies, predominantly antibody deficiencies, and disease of immune dysregulation, ii) flow cytometry predictors of complication and short-term survival in CVID, and iii) functional test for validation of monogenic immunodeficiencies.</p>			
09:00-9:30		Diagnostic screening and classification of PID using flow cytometry	Martin Perez-Andres
9:30-10:15		Screening of PID by FCM: Live case orientation	Martin Perez-Andres
10:15-10:45		Pathogenic classification of CVID patients using FCM	Martin Perez-Andres
10:45-11:00		<i>Coffee break</i>	
11:00-12:30		Functional tests for validation of monogenic immunodeficiencies	Fariba Tahami

<b>09:00-12:30</b>	<b>WS04</b>	<b>Workshop 4: Panel design and optimisation in standard and spectral flow-cytometry</b>	<b>Eivissa 4</b>
<p>Organiser: Cristina Teodosio (Salamanca, ES) and Julio Pozo (Salamanca, ES)  Level: Intermediate. Max. 20 places, pre-registration required</p> <p>Flow cytometry has grown exponentially in the last decade, with the introduction of instruments able to evaluate more (&gt;20) fluorescent parameters simultaneously, the development of spectral flow cytometry, and the increasing number of (new) fluorochromes. While these developments have allowed for new applications and more flexibility, the process of effective panel design has become increasingly more complex.  During this workshop, we will discuss the technical advances and differences in conventional and spectral flow cytometry, and how to address the panel design for the different platforms. We will also cover strategies for assay optimisation and data troubleshooting and have a guided panel design practical session.</p>			
09:00 - 09:45		Conventional vs. spectral flow cytometry: principles and technical advances	Cristina Teodosio
09:45 - 10:30		Principles and good practices for panel design in flow cytometry	Cristina Teodosio
10:30-11:00		<i>Coffee break</i>	
11:00 – 11:30		Assay optimisation and data troubleshooting	Julio Pozo
11:30 – 12:30		Practical panel design exercise for conventional and spectral instruments	Cristina Teodosio/Julio Pozo

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## CONFERENCE PROGRAMME

<b>14:00-15:00</b>	<b>PLE01</b>	<b>Opening &amp; Keynote Lecture 1</b>	<b>Auditorium Mallorca</b>
14:00-14:15		Welcome address by the ESCCA President & Announcements	Francesco Buccisano (Rome, IT)
14:15-15:00	PLE01-01	Keynote Lecture: Phenotype of Innate Myeloid Cells	Christina Teodosio (Salamanca, ES)
<b>15:00-15:30</b>	<b>IPP01</b>	<b>ESCCA Industrial Partner Presentation 1</b>	
15:30-16:00		<i>Coffee break</i>	Exhibition area
<b>16:00-17:00</b>	<b>PLE02</b>	<b>ESCCA-ICCS joint session Challenging lineage definition in Acute Leukemia</b>	<b>Auditorium Mallorca</b>
16:00-16:30	PLE02-01	Mixed phenotype/mixed lineage acute leukemia	Sindhu Cherian (Washington, USA)
16:30-17:00	PLE02-02	Undifferentiated Acute Leukemia	Daniel Boyer (Michigan, USA)
<b>17:00-17:30</b>		<b>Clinical Cytometry Best Original Paper Award 2023-2024</b>	<b>Auditorium Mallorca</b>
<b>17:30-18:30</b>		<b>Welcome Reception</b>	<b>Palma Room</b>

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## THURSDAY 26 SEPTEMBER 2024

<b>09:30-10:45</b>	<b>PAR01</b>	<b>The role of immunophenotype in Myelodysplastic Syndromes</b>	<b>Auditorium Mallorca</b>
09:30-10:00	PAR01-01	To be confirmed	
10:00-10:30	PAR01-02	Multicenter prospective evaluation of diagnostic potential of flow cytometric aberrancies in myelodysplastic syndromes by the ELN iMDS flow working group	Wolfgang Kern (München, DE)
10:30-10:45		Q&A	
<b>09:30-10:45</b>	<b>PAR02</b>	<b>Cancer - Monitoring of cancer-specific immunity</b>	<b>Sala Menorca</b>
09:30-10:00	PAR02-01	Cancer-specific immunomonitoring	Willemijn Hobo (Nijmegen, NL)
10:00-10:30	PAR02-02	Immune Cell Profiling of Peripheral Blood as Signature for Response During Checkpoint Inhibition Across Cancer Types	Speaker to be confirmed
10:30-10:45		Q&A	
10:45-11:15		<i>Coffee break, Exhibition, Posters</i>	Exhibition area
<b>11:15-11:45</b>	<b>IPP02</b>	<b>ESCCA Industrial Partner Presentation 2</b>	
<b>11:45-12:45</b>	<b>PLE03</b>	<b>ESCCA/SIC Joint Session Role of FCM in evaluating novel immunotherapy strategies for hematological malignancies</b>	<b>Auditorium Mallorca</b>
11.45-12.15	PLE03-01	Generation of allogeneic CD123 CAR-T cells for AML treatment	Ines Zugasti (Barcelona, ES)
12.15-12.45	PLE03-02	Engineered T cells secreting anti-BCMA T cell engagers control multiple myeloma and promote immune memory in vivo	Luis Álvarez (Madrid, ES)
12:45-14:15		<i>Lunch break, Exhibition, Posters</i>	Exhibition area
<b>12:45-14:15</b>		<b>Novartis Corporate Satellite Round Table Discussion on PNH (pre-registration required; max. 20 places)</b>	to be confirmed
<b>14:15-15:15</b>	<b>PLE04</b>	<b>Selected Best Abstracts 1</b>	<b>Auditorium Mallorca</b>
14:15-14:30	PLE04-01	Selected Best Abstract presentation 1	
14:30-14:45	PLE04-02	Selected Best Abstract presentation 2	
14:45-15:00	PLE04-03	Selected Best Abstract presentation 3	
15:00-15:15	PLE04-04	Selected Best Abstract presentation 4	
<b>15:15-15:45</b>	<b>IPP03</b>	<b>ESCCA Industrial Partner Presentation 3</b>	<b>Auditorium Mallorca</b>
15:45-16:15		<i>Coffee break, Exhibition, Posters</i>	Exhibition area
<b>16:15-17:30</b>	<b>PAR03</b>	<b>New FCM-based approach of T-cell chronic neoplasms</b>	<b>Auditorium Mallorca</b>
16:15-16:45	PAR03-01	Classification of T-CLPD based on expert-independent FCM tools	Julia Almeida (Salamanca, ES)
16:45-17:15	PAR03-02	ESCCA T-CLPD case series	Speaker to be confirmed
17:15-17:30		Q&A	
<b>16:00-17:15</b>	<b>PAR04</b>	<b>Reproductive Immunology</b>	<b>Sala Menorca</b>
16:15-16:45	PAR04-01	The Promises of Natural Killer Cell Therapy in Endometriosis	Renate van der Molen (Nijmegen, NL)
16:45-17:15	PAR04-02	Mass Cytometry and the Dynamic Changes at the Maternal-Fetal Interface Throughout Pregnancy	Michael Eikmans (Leiden, NL)
17:15-17:30		Q&A	
<b>17:40-18:45</b>		<b>ESCCA General Assembly</b>	<b>Sala Menorca</b>

## FRIDAY 27 SEPTEMBER 2024

<b>09:30-10:45</b>	<b>PAR05</b>	<b>MRD in the modern treatment of leukemia</b>	<b>Auditorium Mallorca</b>
09:30-10:00	PAR05-01	Advancing innovation and standardization in FLOW-MRD detection for pediatric AML	Margarita Maurer-Granofzsky (Vienna, AT)
10:00-10:30	PAR05-02	Advanced MRD analysis with NGS/MFC	Christiaan Vonk (Rotterdam, NL)
10:30-10:45		Q&A	
<b>09:30-10:45</b>	<b>PAR06</b>	<b>Basic and practical immunology</b>	<b>Sala Menorca</b>
09:30-10:00	PAR06-01	The effect of CMV infection and HLA-type on peripheral blood lymphocyte reference values	Alejandra Pera (Córdoba, ES)
10:00-10:30	PAR06-02	Standardization of Workflow and Flow Cytometry Panels for Quantitative Expression Profiling of Surface Antigens on Blood Leukocyte Subsets: An HCDM CDMaps Initiative	Tomas Kalina (Prague, CZ)
10:30-10:45		Q&A	
10:45-11:15		Coffee break, Exhibition, Posters	Exhibition area
<b>11:15-12:00</b>	<b>PLE05</b>	<b>Interactive case presentations in Hemato-Oncology</b>	<b>Auditorium Mallorca</b>
11:15-12:00	PLE05-01	Lymphoproliferative diseases	Sindhu Cherian (Washington, USA)
<b>12:00-12:30</b>	<b>IPP04</b>	<b>ESCCA Industrial Partner Presentation 4</b>	<b>Mallorca Auditorium</b>
12:30-13:45		Lunch break, Exhibition, Posters	Exhibition area
<b>13:45-14:15</b>	<b>PLE06</b>	<b>ESCCA/ESID joint session</b>	<b>Auditorium Mallorca</b>
13:45-14:15	PLE06-01	FC applications in HLH	Yenan Bryceson (Stockholm, SE)
<b>14:15-15:15</b>	<b>PLE07</b>	<b>Selected Best Abstracts 2</b>	<b>Auditorium Mallorca</b>
14:15-14:30	PLE07-01	Selected Best Abstract presentaton 5	
14:30-14:45	PLE07-02	Selected Best Abstract presentaton 6	
14:45-15:00	PLE07-03	Selected Best Abstract presentaton 7	
15:00-15:15	PLE07-04	Selected Best Abstract presentaton 8	
<b>15:15-15:30</b>	<b>CL01</b>	<b>Corporate Lecture</b>	<b>Mallorca Auditorium</b>
15:30-16:00		Coffee break, Exhibition, Posters	Exhibition area
<b>16:00-17:15</b>	<b>PAR07</b>	<b>Artificial Intelligence and quality control in flow-cytometric data</b>	<b>Auditorium Mallorca</b>
16:00-16:30	PAR07-01	Possibilities of AI for clinical cytometry data analysis	Yvan Saeys (Ghent, BE)
16:30-17:00	PAR07-02	Pre-processing, potential of automated methods for MRD detection	Sarha Bonte (Ghent, BE)
17:00-17:15		Q&A	
<b>16:00-17:15</b>	<b>PAR08</b>	<b>Extracellular Vesicles</b>	<b>Sala Menorca</b>
16:00-16:30	PAR08-01	Extracellular vesicles as potential biomarkers. Considerations for sample processing, analysis and sorting	Alfonso Blanco (Dublin, IE)
16:30-17:00	PAR08-02	Labeling extracellular vesicles for flow cytometry analyses	Paola Lanuti (Chieti, IT)
17:00-17:15		Q&A	
<b>19:00-23:00</b>		<b>Conference Dinner at Son Termes</b> <i>Pre-registration required; a fee applies</i>	

## SATURDAY 28 SEPTEMBER 2024

<b>09:30-10:45</b>	<b>PAR09</b>	<b>Focus on IVDR</b>	<b>Auditorium Mallorca</b>
09:30-10:00	PAR09-01	LDT and IVDR: what's new?	Marie-Christine Béné (Nantes, FR)
10:00-10:30	PAR09-02	IVDR-compliant validation of the monocyte assay for chronic myelomonocytic leukemia diagnosis by flow cytometry	Orianne Wagner-Ballon (Créteil, FR)
10:30-10:45		Q&A	
<b>09:30-10:45</b>	<b>PAR10</b>	<b>Clinical cytometry in transplantation</b>	<b>Sala Menorca</b>
09:30-10:00	PAR10-01	NF-κB fingerprinting reveals heterogeneous NF-κB composition in diffuse large B-cell lymphoma	Simon Mitchell (Brighton, UK)
10:00-10:30	PAR10-02	To be confirmed	
10:30-10:45		Q&A	
10:45-11:15		<i>Coffee break, Exhibition, Posters</i>	Exhibition area
<b>11:15-11:45</b>	<b>PLE08</b>	<b>Keynote Lecture 2: CAR-NK cells</b>	<b>Auditorium Mallorca</b>
11:15-11:45	PLE08-01	Off-the-shelf CD70-targeting CAR NK cells: Preclinical and early phase clinical updates	Sunil Acharya (Houston, USA)
<b>11:45-12:45</b>	<b>PLE09</b>	<b>Hemato-Oncology: Interactive Case Presentation</b>	<b>Auditorium Mallorca</b>
<b>12:45-13:00</b>	<b>PLE10</b>	<b>ESCCA Awards session &amp; Closure</b>	<b>Auditorium Mallorca</b>
		Best Oral Presentation & Best Poster Awards ESCCA 2025 Closing Address	