

ESCCA 2024
Final programme

WEDNESDAY 25 SEPTEMBER 2024

PRE-CONFERENCE WORKSHOPS

09:00-12:30	WS01	Workshop 1: MRD in ALL	Eivissa 1
Organisers: Ester Mejstrikova (Prague, CZ) and Michaela Reiterová (Prague, CZ)			
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
<i>Lunch on your own</i>			
09:00-12:30	WS02	Workshop 2: Extracellular vesicles: welcome to the nano-flow world	Eivissa 2
Organiser: Alfonso Blanco (Dublin, IE)			
09:00-10:30		What are the Extracellular Vesicles. Considerations for analysing them by flow cytometry	Alfonso Blanco (Dublin, IE)
10:30-11:00		<i>Coffee break</i>	
11:00-12:30		How to set up an experiment for analysing EV. Life demo.	Alfonso Blanco (Dublin, IE)
<i>Lunch on your own</i>			
09:00-12:30	WS03	Workshop 3: A practical approach to Immunodeficiency Analysis	Eivissa 3
Organiser: Fariba Tahami (London, UK) and Martín Pérez-Andrés (Salamanca, ES)			
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
<i>Lunch on your own</i>			
09:00-12:30	WS04	Workshop 4: Panel design and optimisation in standard and spectral flow-cytometry	Eivissa 4
Organiser: Cristina Teodosio (Salamanca, ES) and Julio del Pozo Gangoso (Salamanca, ES)			
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 del Pozo Gangoso
11:30 – 12:30		Practical panel design exercise for conventional and spectral instruments	Cristina Teodosio, Julio del Pozo Gangoso
<i>Lunch on your own</i>			

CONFERENCE PROGRAMME

14:30-15:30	PLE01	Opening & Keynote Lecture 1	Auditorium Mallorca
Chairs:		Francesco Buccisano (Rome, IT), Juan Flores-Montero (Salamanca, ES)	
14:30-14:45		Welcome address by the ESCCA President & Announcements	Francesco Buccisano (Rome, IT)
14:45-15:30	PLE01-01	Keynote Lecture: Phenotype of Innate Myeloid Cells	Cristina Teodosio (Salamanca, ES)
15:30-16:00	IPP01	ESCCA Industrial Partner Presentation - Sysmex	Auditorium Mallorca
15:30-16:00		Beyond Aggregation: Exploring Platelet Function with Flow Cytometry Analysis	Danielle White (Cambridge, UK)
16:00-16:30		<i>Coffee break</i>	Exhibition area
16:30-17:30	PLE02	ESCCA-ICCS joint session Challenging lineage definition in Acute Leukemia	Auditorium Mallorca
Chairs:		Francesco Buccisano (Rome, IT), Wolfgang Kern (Munich, DE)	
16:30-17:00	PLE02-01	Mixed phenotype/mixed lineage acute leukemia	Sindhu Cherian (Washington, USA)
17:00-17:30	PLE02-02	Undifferentiated Acute Leukemia	Daniel Boyer (Michigan, USA)
17:30-17:45		Clinical Cytometry Best Original Paper Award 2023-2024	Auditorium Mallorca
Chairs:		János Kappelmayer (Debrecen, HU), Francesco Buccisano (Rome, IT)	
17:45-19:15		Welcome Reception	Palma Room

THURSDAY 26 SEPTEMBER 2024

09:30-10:45	PAR01	The role of immunophenotype in Myelodysplastic Syndromes	Auditorium Mallorca
Chairs:		Iuri Marinov (Prague, CZ), Julia Almeida (Salamanca, ES)	
09:30-10:00	PAR01-01	Multicenter prospective evaluation of diagnostic potential of flow cytometric aberrancies in myelodysplastic syndromes by the ELN iMDS flow working group	Wolfgang Kern (Munich, DE)
10:00-10:30	PAR01-02	CHIP and CCUS: Diagnosis, clinical relevance and distinction from MDS	Katharina Götze (Munich, DE)
10:30-10:45		Q&A	
09:30-10:45	PAR02	Cancer - Monitoring of cancer-specific immunity	Sala Menorca
Chairs:		José Enrique O'Connor (Valencia, ES), Evi Gounari (Thessaloniki, GR)	
09:30-10:00	PAR02-01	T-cell monitoring for minor histocompatibility antigens after allogeneic stem cell transplantation	Marieke Griffioen (Leiden, NL)
10:00-10:30	PAR02-02	Extensive phenotypic and functional evaluation of graft-versus-tumor T cell responses and exploration of dendritic cell vaccination to boost anti-tumor immunity	Willemijn Hobo (Nijmegen, NL)
10:30-10:45		Q&A	
10:45-11:15		<i>Coffee break, Exhibition, Posters</i>	Exhibition area
11:15-11:45	IPP02	ESCCA Industrial Partner Presentation 2 - Beckman Coulter	Auditorium Mallorca
11:15-11:45		Ebb and Flow: Balancing Workload and staff happiness in the Lab	Alan Dunlop (London, UK)
11:45-12:45	PLE03	ESCCA-SIC Joint Session Role of FCM in evaluating novel immunotherapy strategies for hematological malignancies	Auditorium Mallorca
Chairs:		Francesco Buccisano (Rome, IT), Julia Almeida (Salamanca, ES)	
11:45-12:15	PLE03-01	Identifying the optimal target for CAR-T cell treatment in AML treatment: role of flow cytometry	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-Vallina (Madrid, ES)

12:45-14:15		Lunch break, Exhibition, Posters	Exhibition area
12:45-14:15		Novartis Corporate Satellite Round Table Discussion on PNH (pre-registered participants only)	Formentera
14:15-15:15	PLE04	Selected Best Abstracts 1	Auditorium Mallorca
Chairs:		Julia Almeida (Salamanca, ES), Iuri Marinov (Prague, CZ)	
14:15-14:30	PLE04-01	High prevalence of circulating T-cell clones of uncertain significance (T-CUS) among healthy individuals using highly sensitive flow-cytometry approaches	Julia Almeida (Salamanca, ES)
14:30-14:45	PLE04-02	The role of CAR-T cell-derived extracellular vesicles as new therapeutic tool in hematological malignancies	Pasquale Simeone (Chieti, IT)
14:45-15:00	PLE04-03	BCL2/TCL1 as a proposed new combination for the determination of MRD in patients with blastic plasmacytoid dendritic cell neoplasm	Angeliki Kotsiafti (Athens, GR)
15:00-15:15	PLE04-04	CD34+CD38- Leukemia Stem Cells are Associated with Prognosis in Non-Intensively Treated Acute Myeloid Leukemia	Tom Reuvekamp (Amsterdam, NL)
15:15-15:45	IPP03	ESCCA Industrial Partner Presentation 3 - Cytek Biosciences	Auditorium Mallorca
15:15-15:45		Streamlining AML-MRD Analysis: A 21-Color Antibody Panel Engineered For Use On The Cytek Northern Lights™-CLC Flow Cytometer	Nicholas McCarthy (Birmingham, UK)
15:45-16:15		Coffee break, Exhibition, Posters	Exhibition area
16:15-17:30	PAR03	New FCM-based approach of T-cell chronic neoplasms	Auditorium Mallorca
Chairs:		Iuri Marinov (Prague, CZ), Juan Flores-Montero (Salamanca, ES)	
16:15-16:45	PAR03-01	Combined TRBC1 and TRBC2 to assess T-cell clonality by cytometry	Min Shi (Rochester, USA)
16:45-17:15	PAR03-02	Classification of T-CLPD based on expert-independent FCM tools	Julia Almeida (Salamanca, ES)
17:15-17:30		Q&A	
16:15-17:30	PAR04	Reproductive Immunology	Sala Menorca
Chairs:		Evi Gounari (Thessaloniki, GR), Willemijn Hobo (Nijmegen, NL)	
16:15-16:45	PAR04-01	Menstrual blood; from waste to non-invasive immunomonitoring of reproductive health	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	
17:40-19:00		ESCCA General Assembly	Sala Menorca

FRIDAY 27 SEPTEMBER 2024

09:30-10:45	PAR05	MRD in the modern treatment of leukemia	Auditorium Mallorca
Chairs:		Francesco Buccisano (Rome, IT), Iuri Marinov (Prague, CZ)	
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	Christian Vonk (Rotterdam, NL)
10:30-10:45		Q&A	
09:30-10:45	PAR06	Basic and practical immunology	Sala Menorca
Chairs:		Alfonso Blanco (Dublin, IE), Florian Kern (Brighton, UK)	
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 subsets: HCDM CDMaps initiative	Tomas Kalina (Prague, CZ)
10:30-10:45		Q&A	
10:45-11:15		Coffee break, Exhibition, Posters	Exhibition area

11:15-12:30	PLE05	Interactive case presentations in Hemato-Oncology	Auditorium Mallorca
Chairs:	Julia Almeida (Salamanca, ES), Juan Flores-Montero (Salamanca, ES)		
11:15-12:30		Case series	Sindhu Cherian (Washington, USA) and Min Shi (Rochester, USA)
12:30-14:00		Lunch break, Exhibition, Posters	Exhibition area
14:00-14:30	PLE06	ESCCA-ESID joint session	Auditorium Mallorca
Chairs:	Willemijn Hobo (Nijmegen, NL), Catarina Martins (Lisbon, PT)		
14:00-14:30	PLE06-01	Flow Cytometry assays for the diagnosis of primary defects in lymphocyte cytotoxicity	Yenan Bryceson (Stockholm, SE)
14:30-15:30	PLE07	Selected Best Abstracts 2	Auditorium Mallorca
Chairs:	José Enrique O'Connor (Valencia, ES), Florian Kern (Brighton, UK)		
14:30-14:45	PLE07-01	From data to diagnosis: biomarker discovery in amyotrophic lateral sclerosis	Davide Raineri (Vercelli, IT)
14:45-15:00	PLE07-02	Functional defects in patients with immune dysregulation due to CTLA-4 mutations	Rik Broomans (Rotterdam, NL)
15:00-15:15	PLE07-03	The modulation of ICAM1 and ICAM3 in Th2 cell subsets of Severe eosinophilic asthmatic patients is mediated by IL-33	Laura Bergantini (Siena, IT)
15:15-15:30	PLE07-04	Artificial Intelligence to empower the potential of flow cytometry for the identification of nanoplastics in water and body fluid samples	Francesca D'Ascanio (Chieti, IT)
15:30-16:00		Coffee break, Exhibition, Posters	Exhibition area
16:00-17:15	PAR07	Artificial Intelligence and quality control in flow-cytometric data	Auditorium Mallorca
Chairs:	Juan Flores-Montero (Salamanca, ES), Yvan Saeys (Ghent, BE)		
16:00-16:30	PAR07-01	Possibilities of AI for clinical cytometry data analysis	Yvan Saeys (Ghent, BE)
16:30-17:00	PAR07-02	Computational clinical cytometry: a journey from preprocessing and quality control to clinical applications	Sarah Bonte (Ghent, BE)
17:00-17:15		Q&A	
16:00-17:15	PAR08	Extracellular Vesicles	Sala Menorca
Chairs:	José Enrique O'Connor (Valencia, ES), Florian Kern (Brighton, UK)		
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	
18:45-23:00		Conference Dinner at Son Termes <i>Pre-registration required; a fee applies</i>	

SATURDAY 28 SEPTEMBER 2024

09:30-10:45	PAR09	Focus on IVDR	Auditorium Mallorca
Chairs:	Francesco Buccisano (Rome, IT), Iuri Marinov (Prague, CZ)		
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	
09:30-10:45	PAR10	Fingerprinting by flowcytometry	Sala Menorca
Chairs:	Catarina Martins (Lisbon, PT), Alejandra Pera (Córdoba, ES)		
09:30-10:00	PAR10-01	NF- κ B fingerprinting reveals heterogeneous NF- κ B composition in diffuse large B-cell lymphoma	Simon Mitchell (Brighton, UK)
10:00-10:30	PAR10-02	Integration of Polychromatic Immunophenotype in a Multi-Omic Study of Patients with Idic-15,a Rare Neurodevelopmental Disease	José Enrique O'Connor (Valencia, ES)
10:30-10:45		Q&A	

10:45-11:15		Coffee break, Exhibition, Posters	Exhibition area
11:15-11:45	PLE08	Keynote Lecture 2: CAR-NK cells	Auditorium Mallorca
Chairs:		Florian Kern (Brighton, UK), Julia Almeida (Salamanca, ES)	
11:15-11:45	PLE08-01	Off-the-shelf CD70-targeting CAR NK cells: Preclinical and early phase clinical updates	Sunil Acharya (Houston, USA)
11:45-13:00	PLE09	Immunology: Interactive case presentation	Auditorium Mallorca
Chairs:		Evi Gounari (Thessaloniki, GR), Catarina Martins (Lisbon, PT)	
11:45-13:00		Case series	Willemijn Hobo (Nijmegen, NL) and Renate van der Molen (Nijmegen, NL)
13:00-13:15	PLE10	ESCCA Awards session & Closure	Auditorium Mallorca
		Best Oral Presentation & Best Poster Awards ESCCA 2025	Francesco Buccisano (Rome, IT) José Enrique O'Connor (Valencia, ES)
		Closing Address	Francesco Buccisano (Rome, IT)