

ESCCA 2025
Preliminary full programme (subject to change)

WEDNESDAY 17 SEPTEMBER 2025

PRE-CONFERENCE WORKSHOPS

09:00-12:30 WS01 Workshop 1: How to use flow-cytometry to support MDS diagnosis

Organisers: Marisa Westers (Amsterdam, The Netherlands) and Alan Dunlop (London, UK)

Level: Intermediate. **Max. 25 places, pre-registration required**

Flow cytometry is a recommended tool in the integrated diagnostics of myelodysplastic syndromes. Despite the broad application of this technique, immunophenotyping of suspected MDS is considered laborious, costly and complicated. In this workshop, we will shortly introduce possible immunophenotypic aberrations, and discuss currently validated scoring systems. During the workshop cases will be discussed, and you will analyse fcs files of normal and MDS cases. Together, we will discuss results. In addition, we will discuss reporting of results. Challenges encountered by participants may be discussed as well. It is advised to bring a laptop with analysis software to actively participate in the workshop.

09.00-09.30	Introduction to diagnosis of MDS and how flow cytometry fits into an integrated
09.30-10.15	Practical session - observing analysis of normal bone marrow and MDS sample
10.15-10.50	Hands on analysis session for participants. Analysing normal BM sample and suspected MDS sample
10.50-11.00	Discuss practical sessions and feedback on challenges/common pitfalls

11:00-11:30 Coffee break

11:30-12:00	Continue hands-on analysis of suspected cases
12.00-12.15	Discussion around findings identified by participants
12:15-12:30	How to build a report and communicate findings

Lunch on your own

09:00-12:30 WS02 Workshop 2: Flow Cytometry Of Platelets - From Phenotype To Function

Organiser: Enrique O'Connor (Valencia, ES)

Level: Basic. **Max. 20 places, pre-registration required**

Throughout this Workshop, participants will be guided through the fascinating world of platelet cytometry. Platelet phenotype and functional responses are considered traditionally complicated aspects for clinical cytometry. However, most difficulties in platelet cytometry may be overcome by appropriate sample preparation and by carefully designed flow cytometric setup and assay optimization. The state of the art in platelet flow cytometry has made its way far beyond the description of haemostasis disorders. The course will illustrate the relevance and practical application of multiparametric flow cytometry to the clinical analysis of platelet and platelet-derived microvesicles. Special focus will be put on the technical bases of sample preparation, including guidelines for assay optimization and standardization. Listmode files of real cases from diagnostic, prognostic and therapeutic settings will be presented and discussed by the speakers. The supporting materials will be kindly provided by Sysmex and Beckman Coulter. The Scientific and Organising Committees have determined the content of this workshop and warrant its scientific independence.

09:00-09:45	Introduction to Flow Cytometry of Platelets	José-Enrique O'Connor (Valencia, ES)
09:45-10:45	Diagnosis of inherited and acquired platelet function disorders	Andreas R. Rechner (Norderstedt, DE)
	The key role of flow cytometry in diagnosing inherited and acquired platelet	Danielle White (Cambridge, GB)
<i>10:45-11:00</i>	<i>Coffee break</i>	
11:00-12:00	Lecture title to be confirmed*	Romarc Lacroix (Marseille, FR)
	Lecture title to be confirmed*	Stéphane Robert (Marseille, FR) (To be confirmed)
12:00-12:30	Presentation and discussion of examples of flow cytometric analysis of platelets	

Lunch on your own

09:00-12:30	WS03	Workshop 3: Advanced computational data analysis: from theory to practice Organisers: Sarah Bonte, Katrien Quintelier, Serena Di Cecilia Level: Advanced. Max. 30 places, pre-registration required More and more, computational analysis starts to play a crucial role in flow cytometry, especially with the increasing complexity and volume of data. Advanced algorithms enable accurate identification of cell populations, even rare ones, with improved reproducibility. Machine learning techniques help uncover patterns and correlations not visible through conventional methods. Computational pipelines also automate data cleaning, compensation, and batch effect correction steps. This increases throughput and reduces human error. In this workshop we will guide you through these concepts and algorithms, raising your understanding and curiosity to explore this field. Next to the theoretical part, we will show you as well how you can do all of this in FlowJo, a software widely used for cytometry data analysis.	
09:00-10:30		Overview of the data analysis workflow: from data preprocessing to dimensionality reduction and clustering	Katrien Quintelier, Sarah Bonte
10:30-11:00		FlowJo hands-on: compensation, transformation, quality control	Serena Di Cecilia
11:00-11:30		<i>Coffee break</i>	
11:30-12:30		FlowJo hands-on: dimensionality reduction and clustering, data exploration	Serena Di Cecilia
<i>Lunch on your own</i>			
09:00-12:30	WS04	Workshop 4: Spectral Cytometry in Clinical Practice: Applications and Insights Organisers: Mikaël Roussel and Thomas Matthes (on behalf of the French group CytHem) Level: Beginners. Max. 25 places, pre-registration required Spectral cytometry has been implemented in only a few diagnostic laboratories so far. In this course, Prof. Roussel and Matthes will share their experience in designing spectral panels and running spectral cytometry for various clinical applications. They will provide examples of mid-size panels (10–20 colors) for diagnosis and MRD assessment of hematologic malignancies, as well as high-complexity panels (>20 parameters) for the monitoring of immune cell populations.	
09:00-10:00		Spectral cytometry concept & panel design	Mikaël Roussel (Rennes, FR), Thomas Matthes (Geneva, CH)
10:00-11:00		Real life experience from Rennes and Geneva	Mikaël Roussel (Rennes, FR), Thomas Matthes (Geneva, CH)
11:00-11:30		<i>Coffee break</i>	
11:30-12:15		Panel builder tools <i>If you want to try panel builder tool, please bring your own laptop</i>	
12:15-12:30		Take home messages	
<i>Lunch on your own</i>			
09:00-12:30	WS05	Workshop 5: Extracellular vesicles: understand the capabilities and limits of your machine for detecting EVs Organiser: Alfonso Blanco (Dublin, IE) Level: Advanced. Max. 25 places, pre-registration required Extracellular vesicles (EVs) are nanoscale particles released by cells that play a vital role in intercellular communication. They carry proteins, lipids, and nucleic acids, making them powerful biomarkers for disease diagnosis, prognosis, and therapeutic monitoring. With growing interest in their clinical applications, accurate analysis of EVs is more important than ever. In this workshop, discover the critical technological challenges — from sample collection and storage to preparation protocols — that ensure data integrity and reproducibility. Learn how to optimize your workflow with proven best practices for EV analysis, including tips on instrument calibration, sample optimization, and troubleshooting. Gain practical experience during a live demonstration, where you'll learn how to set up an instrument, analyze data effectively, and detect common pitfalls such as the swarming effect. Whether you're new to the field or looking to refine your technique, this workshop offers the insights and tools you need to elevate your research.	
09:00-10:30		What are the Extracellular Vesicles. Considerations for analysing them by flow cytometry	
10:30-11:00		<i>Coffee break</i>	
11:00-12:30		How to set up an experiment for analysing EV. Life demo.	
<i>Lunch on your own</i>			

CONFERENCE PROGRAMME

14:00-15:00	PLE01	Opening & Keynote Lecture 1	Salle Pasteur
Chairs:			
14:00-14:15		Welcome address by the ESCCA President & Announcements	Francesco Buccisano (Rome, IT)
14:15-15:00	PLE01-01	Keynote Lecture: Leukemic Stem Cell as a Biomarker: Flow-Cytometric Insights	Adriana Plesa (Lyon, FR)
15:00-15:30	IPP01	ESCCA Industrial Partner Presentation 1	Salle Pasteur
15:30-16:00		Coffee break	Exhibition area
16:00-16:30	IPP02	ESCCA Industrial Partner Presentation 2	Salle Pasteur
16:30-18:00	PLE02	ESCCA-ICCS joint session	Salle Pasteur
Chairs:			
16:30-17:00	PLE02-01	Role of flow cytometry in the multi-disciplinary diagnostic approach of MDS	Sanam Loghavi (Houston, TX, USA)
17:00-17:30	PLE02-02	What can flow cytometry add today to diagnostics of MDS: iMDS ELN data	Arjan van de Loosdrecht (Amsterdam, NL)
17:30-18:00	PLE02-03	What will flow cytometry add tomorrow to diagnostics of MDS: potential of evaluation of leukemic stem cells	Margot van Spronsen (Amsterdam, NL)
18:00-19:00		Welcome Reception <i>Free of charge but pre-registration required</i>	Exhibition area

THURSDAY 18 SEPTEMBER 2025

09:30-10:45	PAR01	The role of immunophenotype in Myelodysplastic Syndromes	Salle Pasteur
Chairs:			
09:30-10:00	PAR01-01	T-cell acute lymphoblastic leukemia: a flow perspective from diagnosis to	Ludovic Lhermitte (Paris, FR)
10:00-10:30	PAR01-02	Cytometric issues in the diagnosis of T-lymphoproliferative disorders: T-CUS or LGLL?	Valentina Trimarco (Padua, IT)
10:30-10:45		Q&A	
09:30-10:45	PAR02	Immune Checkpoints	Salle Einstein
Chairs:			
09:30-10:00	PAR02-01	Checkpoint expression on T cells from healthy donors and CAR T cell patients	Sabine Seiffert (Leipzig, DE)
10:00-10:30	PAR02-02	Blood biomarkers associated with response to anti-PD1 treatment in metastatic	Christine Caux (Lyon, FR)
10:30-10:45		Q&A	
10:45-11:15		Coffee break, Exhibition, Posters	Exhibition area
11:15-11:45	IPP03	ESCCA Industrial Partner Presentation by Beckman Coulter	Salle Pasteur
11:45-12:45	PLE03	ESCCA-CytHEM Joint Session	Salle Pasteur
Chairs:			
11.45-12.15	PLE03-01	The Studies of the CytHem-LOC French Group: Progress in the Diagnosis and Follow-Up of Oculocerebral Lymphoma	Agathe Debliquis (Mulhouse, FR)
12.15-12.45	PLE03-02	Flow Cytometry in CNS Disease of Hematologic Malignancies: Comparing ESCCA/ISCCA Recommendations and Survey Results	Maria Ilaria Del Principe (Rome, IT)
12:45-14:15		Lunch break, Exhibition, Posters	Exhibition area

14:15-15:15	PLE04	Selected Best Abstracts 1 - Hematology	Salle Pasteur
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Chairs:

14:15-14:30	PLE04-01	Selected Best Abstract presentation
14:30-14:45	PLE04-02	Selected Best Abstract presentation
14:45-15:00	PLE04-03	Selected Best Abstract presentation
15:00-15:15	PLE04-04	Selected Best Abstract presentation

15:15-15:45		<i>Coffee break, Exhibition, Posters</i>	Exhibition area
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15:45-17:00	PAR03	NK Cells: Friends, Foes, or Both?	Salle Pasteur
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Chairs:

15:45-16:15	PAR03-01	Integrative Biology and Cytometry for NK-Large Granular Lymphocyte Leukemia (LGLL): Diagnosis and Characterisation	Mikaël Roussel (Rennes, FR)
16:15-16:45	PAR03-02	Fitness of Immunotherapeutic NK Cells for acute myeloid leukemia: Challenges	Jan Frič (Prague, CZ)
16:45-17:00		Q&A	

15:45-17:00	PAR04	Immunometabolism	Salle Einstein
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Chairs:

15:45-16:15	PAR04-01	Role of the hexosamine biosynthesis pathway as an immune checkpoint in NK cells	Antoine Marçais (Lyon, FR)
16:15-16:45	PAR04-02	Flow cytometry-based immunometabolic profiling of complex samples using click chemistry (CENCAT)	Frank Vrieling
16:45-17:00		Q&A	

18:45-23:00		Conference Dinner at Effet Mer <i>Pre-registration required; a fee applies</i>	
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FRIDAY 19 SEPTEMBER 2025

09:30-10:45	PAR05	Rare myeloid malignancies	Salle Pasteur
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Chairs:

09:30-10:00	PAR05-01	Immunophenotyping of systemic mastocytosis. Clinical and biological significance	Ludovic Lhermitte (Paris, FR)
10:00-10:30	PAR05-02	BPDCN: diagnostic challenge	Arianna Gatti (Legnano, IT)
10:30-10:45		Q&A	

09:30-10:45	PAR06	Understanding associations between HLA-type and disease	Salle Einstein
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Chairs:

09:30-10:00	PAR06-01	KIRs, T cell dynamics and human health	Becca Asquith (London, UK)
10:00-10:30	PAR06-02	Decoding the immune repertoire	Thierry Mora (Paris, FR)
10:30-10:45		Q&A	

10:45-11:15		<i>Coffee break, Exhibition, Posters</i>	Exhibition area
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11:15-12:15	PLE05	Interactive case presentations in Hemato-Oncology	Salle Pasteur
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Chairs: Dalia Abdel-Raouf Salem (Cairo, EG)

11:15-12:15		Case presentations	<i>speaker to be announced</i>
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12:15-12:45	IPP03	ESCCA Industrial Partner Presentation 4	Salle Pasteur
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12:45-14:00		<i>Lunch break, Exhibition, Posters</i>	Exhibition area
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14:00-15:00	PLE06	ESCCA-ESID joint session Immunology	Salle Pasteur
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Chairs:

14:00-14:30	PLE06-01	Multimodal monitoring of B-cell lymphoma to identiy biomarkers - the SITI	Karin Tarte (Rennes, FR)
14:30-15:00	PLE06-02	Flowcytometry of COVID: lessons learned	Sara de Biasi (Modena, IT)

15:00-16:00	PLE07	Selected Best Abstracts 2	Salle Pasteur
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Chairs:

15:00-15:15	PLE07-01	Selected Best Abstract presentation
15:15-15:30	PLE07-02	Selected Best Abstract presentation
15:30-15:45	PLE07-03	Selected Best Abstract presentation
15:45-16:00	PLE07-04	Selected Best Abstract presentation

16:00-16:30	Coffee break, Exhibition, Posters	Exhibition area
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16:30-17:45	PAR07	ISO norm and IVDR update	Salle Pasteur
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Chair: Ulrika Johansson

16:30-17:00	PAR07-01	Discussion of overarching theory of measurement of uncertainty and RVM could talk about the underlying maths	Richard Veyrat-Masson (Clermont Ferrand, FR), Ulrika Johansson (Bristol, UK)
17:00-17:30	PAR07-02	Title to be announced	Loredana Simulescu (Brussels, BE)
17:30-17:45		Q&A	

16:30-17:45	PAR08	The immune cell repertoire revisited	Salle Einstein
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Chairs:

16:30-17:00	PAR08-01	MAIT cells in host - microbiota interactions	François Legoux (Rennes, FR)
17:00-17:30	PAR08-02	Why monitoring gamma-delta T cells in clinical practice?	Julie Déchanet-Merveille (Bordeaux, FR)
17:30-17:45		Q&A	

17:50-19:15		ESCCA General Assembly	
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SATURDAY 20 SEPTEMBER 2025

09:30-10:45	PAR09	Update in Multiple Myeloma	Salle Pasteur
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Chairs:

09:30-10:00	PAR09-01	Multiple Myeloma preplasmablastic progenitors are a proliferating cellular origin of MM disease relapse	Jérôme Moreaux (Montpellier, FR)
10:00-10:30	PAR09-02	Current value and future perspectives on flow cytometry detection of circulating tumor plasma cells in plasma cell neoplasms	Carmen González Díaz-Cano (Pamplona, ES)
10:30-10:45		Q&A	

09:30-10:45	PAR10	At the crossroads of haematology and immunology	Salle Einstein
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Chairs:

09:30-10:00	PAR10-01	At the crossroads of haematology and immunology	Peter Kelleher (London, UK)
10:00-10:30	PAR10-02	Autoimmune Cytopenias and Dysregulated Immunophenotype/Inborn Errors of Immunity	Enrico Attardi (Rome, IT)
10:30-10:45		Q&A	

10:45-11:15	Coffee break, Exhibition, Posters	Exhibition area
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11:15-12:00	PLE08	Keynote Lecture 2 - Immunology	Salle Pasteur
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Chairs:

11:15-11:45	PLE08-01	High-dimensional single-cell analysis of human natural killer heterogeneity	Eric Vivier (Lyon, FR)
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12:00-13:00	PLE09	Interactive case presentations - Immunology	Salle Pasteur
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Chairs:

12:00-13:00	Case series	Catarina Martins (Lisbon, PT)
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13:00-13:15	PLE10	ESCCA Awards session & Closure	Salle Pasteur
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Best Oral Presentation & Best Poster Awards	Francesco Buccisano (Rome, IT)
ESCCA 2026	
Closing Address	