

# Swiss Cytometry Meeting 2025 - Full Program

## Day 1 - Wednesday, Feb 5th

Time	Session name	Time	Location: Entrance Hall, ETH main building				
9.30-11.00	Registration	9.30-11.00	SCM Team	Registration at the Front Desk, ETH main building, entrance floor			
Time	Session name	Time	Location: Lecture room HG F30 (Audimax)				
11.00-11.10	Opening notes	11.00-11.10	Speaker	Title			
11.10-13.10	Cytometry applications: immunology, microbiota, and more Session chair: Florian Mair	11.10-11.40	Florian Mair	Opening notes			
		11.40-12.10	Burkhard Becher	Developing glandular tissues harbour a distinct macrophage population that is maintained by ILC2 derived GM-CSF			
			Lisa Dratva	Deciphering human T cell states and receptors with a single cell pan-infection atlas			
			Hyun-Dong Chang	A single-cell look at microbiota and their host interaction			
		12.40-13.10	Manfred Kopf	The heterogeneity and functions of lung myeloid cells during respiratory viral infection			
13.10-14.15	Lunch and Commercial exhibition	13.10-14.15	Location: Main Hall, Foyer South (HG E Süd) and Foyer North (HG E Nord)				
Time	Session name	Time	Location: Lecture room HG F30 (Audimax)			Location: Lecture room HG D1.1	
14.15-15.30	Parallel Tutorials	14.15-15.30	Speaker	Title		Speaker	Title
			Florian Mair	Best practices in high-dimensional spectral panel design: a step-by-step guide to success		Sofie van Gassen	Best practices in computational analysis of flow cytometry data
15.30-16.00	Coffee Break and Commercial exhibition	15.30-16.00	Location: Main Hall, Foyer South (HG E Süd) and Foyer North (HG E Nord)				
Time	Session name	Time	Location: Lecture room HG F30 (Audimax)			Location: Lecture room HG D1.1	
16.00-16.30	Young scientist and poster flash talks Session chair: Claudia Dumrese	16.00-16.10	Speaker	Title			
		16.10-16.20	Christele Gonneau	A robust adoptive cell therapy panel for assessing cerebrospinal fluid during neurotoxicity by flow cytometry			
		16.20-16.30	Alessandro Frigo	A 40 colors spectral panel to decipher human NK cell involvement in the establishment of NeuroCOVID-19			
		16.30-16.35	Selected from abstracts	5 Poster flash talks - 1 minute each			
		16.35-17.05	Break to change rooms				
16.30-18.00	Parallel sessions: Imaging cytometry / Bacteria and small particle cytometry Session chair: Claudia Dumrese / Philipp Schätzle	16.35-17.05	César Nombela-Arrieta	Quantitative 3D structural analysis of bone marrow tissues in health and disease		Jakob Zimmermann	Combining gnotobioic, immunological and cytometric tools to understand T cell responses to
		17.05-17.35	Karina Silina	Spatial analysis of lung cancer microenvironment		André Görgens	Comparing Apples to Apples: Analysis of Extracellular Vesicles by Flow Cytometry
		17.35-18.05	Tess Brodie	Space: the final frontier		Thomas Gassler	Inducing Novel Endosymbioses by Bacterial Implantation into Fungi
18.05-19.30	Poster session and Commercial exhibition with finger food and drinks	18.05-19.30	Location: Main Hall, Foyer South (HG E Süd) and Foyer North (HG E Nord)				

## Day 2 - Thursday, Feb 6th

Time	Session name	Time	Location: Lecture room HG F30 (Audimax)		Location: Lecture room HG D1.1 - Clinical Diagnostics Session (SCS)	
9.00-9.45	Keynote lecture SCM 2025	9.00-9.45	Speaker	Title	Speaker	Title
			Barbara Treutlein	Understanding human organoid development with single-cell technologies		
9.45-10.45	Team work makes the dream work: Innovation through shared resource labs Session chair: Miguel Garcia	9.45-10.15	Geert Minnebruggen	Cultivating a Techno-Scientific Ecosystem for the future of Life Sciences	Paula Fernandez	Bridging Expertise: Collaborative Flow Cytometry for Enhanced Patient Diagnostics
		10.15-10.45	Gert van Isterdael	Cutting Edge experiments enabled through a Flow Cytometry Core Facility	Paula Fernandez	Double Trouble: Tackling a Complex Non-Hodgkin-Lymphoma Case.
10.45-11.15	Coffee Break and Commercial exhibition	10.45-11.15	Location: Main Hall, Foyer South (HG E Süd) and Foyer North (HG E Nord)			
Time	Session name	Time	Location: Lecture room HG F30 (Audimax)		Location: Lecture room HG D1.1 - Clinical Diagnostics Session (SCS)	
11.15-13.05	Technology, Innovation and Vendor talk session 1  Session chair: Malgorzata Kisielow	11.15-11.45	Mark Dessing (BD Biosciences)	A next generation spectral analyzer: From one color to fifty colors to image based high-throughput screening		
		11.45-12.15	Oliver Burton	FlowCodes: a flow cytometry-based platform for massive parallel in vivo screening	Clinical society (SCS)	Closed session - General assembly SCS
		12.15-12.35	Cyril Allard (Cytek Biosciences)	Development of a 51-marker / 44 colors full spectrum flow cytometry assay for longitudinal immune monitoring in patients with srSLE/LN treated with CD19 CAR T cells		
		12.35-13.05	Thomas Liechti	Regulation of Immune Homeostasis and its Implications for Human Health and Diseases	Clinical society (SCS)	Closed session - General assembly SCS
13.05-14.05	Lunch and Commercial exhibition	13.05-14.15	Location: Main Hall, Foyer South (HG E Süd) and Foyer North (HG E Nord)			
Time	Session name	Time	Location: Lecture room HG F30 (Audimax)		Location: Lecture room HG D1.1	
14.05-15.50	Technology, Innovation and Vendor talk session 2 Session chair: Telma Lopes / Jean-Francois Mayol	14.05-14.25	Jean-François Mayol (Beckman Coulter)	Spectral Flow Cytometry meets modularity. First experiences with the CytoFLEX mosaic detection module		
		14.25-14.55	Sandrine Schmutz	From small particles to high dimensional analysis: various applications on the Bigfoot spectral sorter		
		14.55-15.00		Break to change rooms		
		15.00-15.20	Thomas Veitinger (Thermo Fisher)	Spectral Flow Cytometry with the new Attune Xenith	MichalBonar (NanoCollect)	The Future of Image-Guided Cell Sorting
		15.20-15.30	Vendula Sinkorova (Sony Biotechnology)	From Analysis to Sorting: Bridging the Gap with Spectral Standardization	Samuel Körner (BioLegend)	New Dyes and Optimized Multicolor Flow Cytometry Panels
		15.30-15.40	Melissa Klug (Standard Biotools)	Expanding Immune Coverage with Modular Panels to Identify Cell Type and Function in a Single Run	Mike Blundell (BioRad)	Multiplexing made easy with StarBright Dyes
		15.40-15.50	Maxence Vieux-Rochas (Seed Biosciences)	Innovations in Single-Cell and Spheroid Analysis: DispenCell-S4 and Dispen3D Technologies	Deruy Emeric (Agilent)	A newborn in the NovoCyte family, Discover the NovoCyte Opteon Spectral Flow Cytometer
15.50-16.15	Coffee Break and Commercial exhibition	15.50-16.15	Location: Main Hall, Foyer South (HG E Süd) and Foyer North (HG E Nord)			
Time	Session name	Time	Location: Lecture room HG F30 (Audimax)		Location: Lecture room HG D1.1 - Clinical Diagnostics Session (SCS)	
16.15-17.30	Insights into Clinical cytometry: Clinical Cytometry Society guest session Session chair: Jan Dirks	16.15-16.45	Mike Recher	The role of flow cytometry in the diagnosis of immune deficiencies		
		16.45-17.30	Michael Daskalakis	State of the Art in Cellular Therapy		
17.30-18.30	Single-cell omics: Combining cytometry, genomics and more Session chair: Thomas Horn	17.30-18.00	Natalia Pikor	Defining fibroblast - immune cell interactions in lymphoid organs and beyond	Thomas Matthes	Activities of the SCS CAR-T Working Group
		18.00-18.30	Roger Geiger	Decoding T Cell Cytotoxicity via Single-Cell CRISPR Screens in Droplets	Thomas Matthes	Activities of the SCS CAR-T Working Group
19.00-midnight Conference Networking Dinner Riithalle			Location: Riithalle, Gessnerallee 8, 8001 Zürich			

## Day 3 - Friday, Feb 7th

Time	Session name	Time	Location: Lecture room HG F30 (Audimax)	
9.00-10.30	Cutting-edge data analysis techniques in cytometry and beyond	9.00-9.30	Speaker Raphael Gottardo	Title Scaling Up Cancer Research: Cells, Patients, and Unprecedented Resolution
	Session chair: Tatiane Gorski	9.30-10.00	Sophie van Gassen	Applications of computational cytometry
		10.00-10.30	Judith Zaugg	Integrate genetic and non-genetic factors for understanding disease mechanisms
10.30-11.00	Coffee Break and Commercial exhibition	10.30-11.00	Location: Main Hall, Foyer South (HG E Süd) and Foyer North (HG E Nord)	
Time	Session name	Time	Location: Lecture room HG F30 (Audimax)	
11.00-12.30	Late breaking session: Data integration, Cell therapy, and Neurobiology	11.00-11.30	Speaker Florian Ingelfinger	Title CytoVI: Deep Generative Modeling of Antibody-Based Single Cell Technologies
	Session chair: Sarah Cattin	11.30-12.00	Miro Raeber	Interleukin-2 Immunotherapy Reveals Human Regulatory T Cell Subsets with Distinct Functional and Tissue-Homing Characteristics
		12.00-12.30	Eline Balavoine	Birth-date specific plasticity of cortical neurons
12.30-12.45	Wrap up of SCM 2025	12.30-12.45	Claudia Dumrese	Closing notes