

Inserm Workshop 291

Analyse des Données Multiparamétriques de Cytométrie : en chemin vers le haut-contenu **Multiparametric Cytometry Data Analysis: Stairway to High-Content**

5-7 octobre 2026 / October 5-7, 2026 ■ Montpellier, France

Lundi 5 octobre 2026 ■ **Monday October, 5th 2026**

14:30 - 15:00	Reception of participants
15:00 - 15:15	Welcome and presentation by the organizers
SESSION I	Cytometry data pre-processing
15:15 - 16:00	Selection of high-quality cytometry data Annelies Emmaneel (VIB, Ghent, Belgium)
16:00 - 16:30	Coffee Break & Posters Session
16:30 - 17:15	Normalization, transformation and scaling of cytometry data Raphael Gottardo (University of Lausanne, Switzerland)
17:15 - 18:00	Experimental design, quality controls and batch correction Sofie van Gassen (VIB, Ghent, Belgium)
18:00 - 19:00	Panel discussion
19:00 - 19:15	Posters Presentation
19:15	Cocktail Dinner & Posters Session

Mardi 6 octobre 2026 ■ **Tuesday October, 6th 2026**

06:30 - 08:30	Breakfast
SESSION II	Cytometry data unsupervised analysis
08:30 - 09:15	Dimension Reduction: how to use it properly. Anna Belkina (Boston University, USA)
09:15 - 10:00	Clustering: use, limits and control. Yvan Saeys (VIB, Ghent, Belgium)
10:00 - 10:30	Coffee Break & Posters Session
10:30 - 11:15	Clustering & Dimension Reduction: making most of them. Jonathan Irish (Vanderbilt University, Nashville, USA)
11:15 - 12:00	Panel discussion
12:00 - 13:00	Lunch

SESSION III	Automated gating and machine learning
13:00 - 13:45	StarGate, rigorous repetitive analyses with standardized gating strategies Martin Mestdagh (Institut Curie, Paris, France)
13:45 - 14:30	Cytolytic: One stream automatic solution for your analysis Can Pinar (Cytolytics, Berlin Germany) Benjamin Tast (LMU-BMC, Munich, Germany)
14:30 - 15:15	METAFlow: Augmented intelligence-driven analysis solution Vincent Petit (METAFlow, Paris, France) Mar Naranjo-Gomez (IRMB INSERM, Montpellier, France)
15:15 - 16:00	TerraFlow: Supervised analysis from the FCS to the scientific report Arielle Ginsberg (TerraFlow, New York, USA) Sonia Gavasso (University of Bergen, Norway)
16:00 - 16:45	Round Table
16:45 - 17:15	Coffee Break & Posters Session
SESSION IV	Cell annotation
17:15 - 17:30	Introduction to cell annotation Alexia Alfaro (Institut Gustave Roussy, Paris, France)
17:30 - 18:15	Global Standardization of Immune Cell Population Identification and Semantic Annotation Ryan Brinkman (BC Cancer Agency, Vancouver, Canada)
18:15 - 19:00	Global Standardization by arithmetization Antonio Cosma (Luxembourg Institute of Health, Esch-sur-Alzette, Luxembourg)
19:00 - 19:30	Panel discussion
20:15	Dinner

Mercredi 7 octobre 2026 ■ **Wednesday October, 7th 2026**

06:30 - 08:30	Breakfast
SESSION V	Biological and clinical cytometry data integration
08:30 - 09:15	Cytometry / Omics / Clinics: how to perform integration? Sarah Bonte (VIB, Ghent, Belgium)
09:15 - 10:00	Application of cytometry data integration in multiomics analysis Thomas Ashhurst (University of Sydney, Australia)
10:00 - 10:30	Coffee Break & Posters Session
10:30 - 11:15	Machine learning for integrating clinical and biological data Samuel Granjeaud (CRCM, Marseille, France)
11:15 - 12:00	Panel discussion
12:00 - 14:00	Lunch
14:00	Departure