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 **Sofie van Gassen (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 **Katrien Quintelier (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 (Dotmatics, Boston, USA)**
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**