

## MB&C2024 UCLL Plenary & Parallel sessions

Program – 8 february 2024		
9.30u-11.00u	Plenary Session	
	Evolutions in molecular techniques	Karl Vandepoele (UZ Gent)
	Evolutions in flow cytometry	Davide Brusa (UCLouvain)
	Evolutions in digital pathology	Glenn Broeckx (ZNA)
11.30u-13.00u	Parallel session Molecular biology	
	Epigenetics and response to immunotherapy/methylation analysis	Igor Fijalkowski (UGent)
	ddPCR	Wim Trypsteen (UGent)
	Parallel session Flow cytometry	
	Spectral flow cytometry for high-parameter analysis	Susan Schlenner (KU Leuven)
	Analysing multidimensional data using computational cytometry	Sarah Bonte (UGent, VIB) Annelies Emmaneel (Ugent, UZ Gent, VIB)
14.00-15.15u	WORKSHOP SESSION-1	
15.45-17.00u	WORKSHOP SESSION-2	
17.00u-17.30	Single cell sequencing in hematological research and future diagnostics	Jan Cools (KU Leuven)
17.30u-...	Networkevent	
Program – 9 february 2024		
9.00u-9.30u	Plenary Session	
	The cell- and gene therapy landscape in Belgium	Nathalie Cools (UA)
9.30u-10.45u	WORKSHOP SESSION-3	
11.15u-12.30u	WORKSHOP SESSION-4	
13.30u-15.15u	Plenary Session	
	University colleges presenting research projects	
	Genetic predisposition in oncohematology	Jolien De Bie (UZ Leuven)
15.15-16.35	Parallel session Myeloid	
	MB&C of AML (casus based)	Barbara Cauwelier (AZ Sint Jan)
	MB&C of MPN (casus based)	Mohammad Amir (Jessa)
	Parallel session Lymphoid	
	MB&C of B-CLL (casus based)	Steven Weekx (GZA)
	MB&C of AITL (casus based)	Karin Van der Heijden (UZA)
16.35u-...	Farewell drink	

## MB&C2024 UCLL Workshop sessions

Topic/Level	WORKSHOP SESSION 1 8 february 2024 14.00u -15.15u	Speaker
Flowcytometry/ Basic	Start validation of a novel flowcytometer	Malicorne Buysse (UZ Gent)
Flowcytometry/ Advanced	How to: cytometry data preprocessing and quality control in R	Sarah Bonte (UGent, VIB) Annelies Emmaneel (Ugent, UZ Gent, VIB)
Morphology/ Basic	Digital microscopy of bone marrow and body fluids	Carin Notte (Westmedica) Kathleen Deiteren (UZA)
Molecular biology/Basic	Massive Parallel Sequencing	Friedel Nollet (AZ Sint-Jan)
Molecular biology/Advanced	Interpretation of clonality analyses (IG & TR)	Elke Boone (AZ Delta)
General/ Advanced	WHO2022 and ICC guidelines: an overview	Nancy Boeckx (UZ Leuven)

Topic/Level	WORKSHOP SESSION 2 9 February 2024 15:45u - 17:00u	Speaker
Flowcytometry/ Basic	Panel design: tips & tricks	Gert Van Isterdael (VIB-Ugent)
Flowcytometry/ Advanced	LSC gating	Willemijn Scholten, Jannemieke Carbaat, Daphne den Hartog (VUMC, Amsterdam)
Molecular biology/Basic	Bio-informatics for dummies	Cedric Hermans (HOWEST)
Molecular biology/Basic	Bionano for dummies	Barbara Dewaele (UZLeuven)
Molecular biology/Advanced	RNA sequencing for the detection of fusion transcripts	Marie Le Mercier (UZA)
General/Basic	Statistical methods in validation reports and QC	Jeremie Gras (IPG)

Topic/Level	WORKSHOP SESSION 3 February 9 2024 9.30u - 10.45u	Speaker
Flowcytometry/ Basic	Blood and bone marrow differentiation by flowcytometry	Barbara Depreter (UZBrussel/AZ Delta)
Flowcytometry/ Basic	Quality assurance in flow cytometry: discussion of guidelines	André Gothot (CHU Liège)
Flowcytometry/ Advanced	Experience meets innovation: how the Cytobank platform can benefit your data analysis	Qianjun Zhang (Beckman Coulter/Analisis)
Molecular biology/Basic	Nanopore sequencing	Jozef Dingemans (Jessa)
Molecular biology/Advanced	IGH hypermutation analysis	Sabine Franke (CHU Liege)
General/ Advanced	ISO15189:2022 what's new?	Johan Guns (UZBrussel)

Topic/Level	WORKSHOP SESSION 4 February 9 2024 11.15u - 12.30u	Speaker
Flowcytometry/ Advanced	Your pathway to new discoveries: from Spectral Flow Cytometry analysis to Single-Cell Multiomics	Vesna Melkebeek/Stefano Bonelli (Becton Dickinson)
Flowcytometry/ Advanced	Application of EuroFlow standardization for flow cytometric MRD applications in hemato-oncology	Mattias Hofmans (UZ Gent)
Molecular biology/Advanced	Molecular MRD applications in hemato-oncology	Marleen Bakkus, Emmanuelle Kabongo (UZBrussel)
Molecular biology/Basic	Bioinformatics workshop on sequencing, introducing data formats, analysis and visualization	Paco Hulpiau/Marieke Mispelaere (HOWEST)
General/ Advanced	People management in lab environment	Jeremie Gras (IPG)