

BioSB-MGC course Single Cell analysis

Erasmus MC,

Day 1 - Monday, 23 October in Erasmus MC - OWR-23, third floor			
9:00-10:00	lecture	Overview of different single-cell platforms and assays	Susan Kloet
10:00-10:15	Coffee tea break	FOYER C	
10:15-11:15	lecture	scRNA-seq platforms	Miao-Ping Chien
11:15-12:00	lecture	Preprocessing	Susan Kloet
12:00-13:30	Lunch + introductions	FOYER C	
13:30-14:30	lecture	[Dimensionality reduction]	Marcel Reinders
14:30-14:45	Coffee tea break	FOYER C	
14:45-16:15	practical	Dimensionality reduction	TAs
Day 2 - Tuesday, 24 October in Erasmus MC - OWR-23, third floor			
9:00-10:00	lecture	Single-cell-multi-omics	Miao-Ping Chien
10:00-10:15	Coffee tea break	FOYER C	
10:15-11:00	lecture	Experimental design & sample preparation	Susan Kloet
11:00-12:00	lecture	Quality control and normalization	Ahmed Mahfouz
12:00-13:00	lunch	FOYER C	
13:00-14:30	practical	Quality control and normalization	TAs
14:30-14:45	Coffee tea break	FOYER C	
14:45-15:45	practical	Clustering and cell annotation	Lieke Michielsen
15:45-16:00	break	No catering	
16:00-17:00	Online lecture	scNL symposium	Stefania Giacomello
Day 3 - Wednesday, 25 October in Erasmus MC - OWR-23, third floor			

9:00-10:00	lecture	Data integration	Tamim Abdelaal
10:00-10:15	Coffee tea break	FOYER C	
10:15-11:15	practical	Data integration	TAs
11:15-12:00	Practical	Clustering and cell annotation	TAs
12:00-13:00	lunch	FOYER C	
13:00-14:00	lecture	Differential expression analysis	Ahmed Mahfouz
14:00-14:15	Coffee tea break	FOYER C	
14:15-15:45	practical	Differential expression analysis	TAs
15:45-16:00	break	No catering	
16:00-17:00	lecture	Trajectory inference	Mohammed Charrout
Day 4 - Thursday, 26 October in Erasmus MC - OWR-23, third floor			
9:00-10:00	lecture	Spatial transcriptomics	Ahmed Mahfouz
10:00-10:15	Coffee tea break	FOYER Q	
10:15-11:15	practical	Trajectory inference practical	Tas (Mohammed Gregory)
11:15-12:00	practical	Spatial transcriptomics	Tas
12:00-13:00	lunch	FOYER Q	
13:00-14:00	mini Symposium		Anna Alemany
14:00-15:00	mini Symposium		Vincent van Unen

OWR = Onderwijsruimte