

Incucyte Presentation			9:00
Quality Control and cell health	Proliferation	Growth curves and cell counting (NucLight & CytoLight reagents)	9:30
	Cell health - Apoptosis	Cell viability assays (Caspase 3/7 & Annexin-V reagents)	9:40
	Morphology - neurite outgrowth	Tracking neurite dynamics in mono- & co-cultures (NeuroLight reagent)	9:50
	3D structures: Proliferation & health Example	Spheroid and organoid growth assays	10:00
	Q&A Session	Immune cell killing assay (2D and 3D)	10:10
			10:20
BREAK			
Subpopulation analysis	Cell cycle	Cellular population in cell cycle phase (S/G2/M, G1) (Cell cycle reagent)	10:40
	Live-cell immunocytochemistry	Surface marker expression (FabFluor-488 reagent)	10:50
	Example	Monitoring surface marker expression and cell cycle during differentiation of THP-1 monocytes	11:00
	Q&A Session	Brain storming 2	11:10
LUNCH BREAK			
Cell motility assays	Migration and invasion	Scratch wound assay (2D) (Wound maker). Spheroid invasion (3D)	12:30
	Chemotaxis	Visualisation and quantification of chemotaxis (Clearview Plate)	12:40
	Example	Profiling compound mechanism of action	12:50
	Q&A Session	Brain storming 3	13:00
BREAK			
Function assays	Angiogenesis	Measurement of vascular tube formation from endothelial cells (Angiogenesis Stem & PrimeKit)	13:20
	NETosis	Visualisation and quantification of neutrophil extracellular traps (Cytotox reagent)	13:25
	Neuronal activity	Functional assesment of spontaneous signalling (NeuroBurst)	13:30
	Phagocytosis	Phagocytic uptake of bioparticles and apoptotic cells (pHrodo labelling kit & bioparticles)	13:35
	Example	Microglia in neuroinflammation	13:40
	Q&A Session	Brain storming 4	13:50
BREAK			
Image Processing		Advanced image processing for live cell imaging	14:10
Closing of the workshop			14:40