

FLOW CYTOMETRY

INTRODUCTION TO FLOW CYTOMETRY : PRINCIPLES & APPLICATIONS

Target audience	Professionals from the biotechnology sector : project leaders, researchers, technicians, students, teachers, ...
Prerequisite	Basic knowledge in cell biology
Objectives	<ul style="list-style-type: none"> To understand the principles of flow cytometry, its potentialities and limits To get a good overview of possible applications of flow cytometry
Program	<p>Introduction to flow cytometry Fluorescence and cell staining Instrument overview :</p> <ul style="list-style-type: none"> Components of the flow cytometer : fluidics, optics ad electronics systems Measurement of parameters : FSC, SSC, fluorescence <p>Data analysis :</p> <ul style="list-style-type: none"> Graphical representation Gating Compensations <p>Applications of flow cytometry Possible fields of use (examples taken from the biomedical sector : fundamental research, pharmacology, medicine, industry, ...)</p> <ul style="list-style-type: none"> Phenotyping (intra- and extracellular staining) Cell death Cell cycle and proliferation Cell signaling <p>Flow cytometry derived techniques :</p> <ul style="list-style-type: none"> Cell storing « Multiplex » Multispectral imaging by flow cytometry
Format	90% theory - 10% demonstrations
Trainer	Erika Baus, PhD (Biopark Formation)
Collaborators	<ul style="list-style-type: none"> Oberdan Leo, Prof. (Institute for Medical Immunology (IMI), ULB) Frédéric Lhommé, PhD (Institute for Medical Immunology (IMI), ULB) Joël Tassignon, PhD (ImmuneHealth—GCP, ISO 17025)

Ref
CYTO-1.1-EN

Location
Biopark Charleroi

Duration
1 day

Schedule
From 9:00 to 17:00

Participants
20 max.

Contact

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REGISTRATIONS

On-line registration via Biophare website at the following address : <http://www.biophare.eu>



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