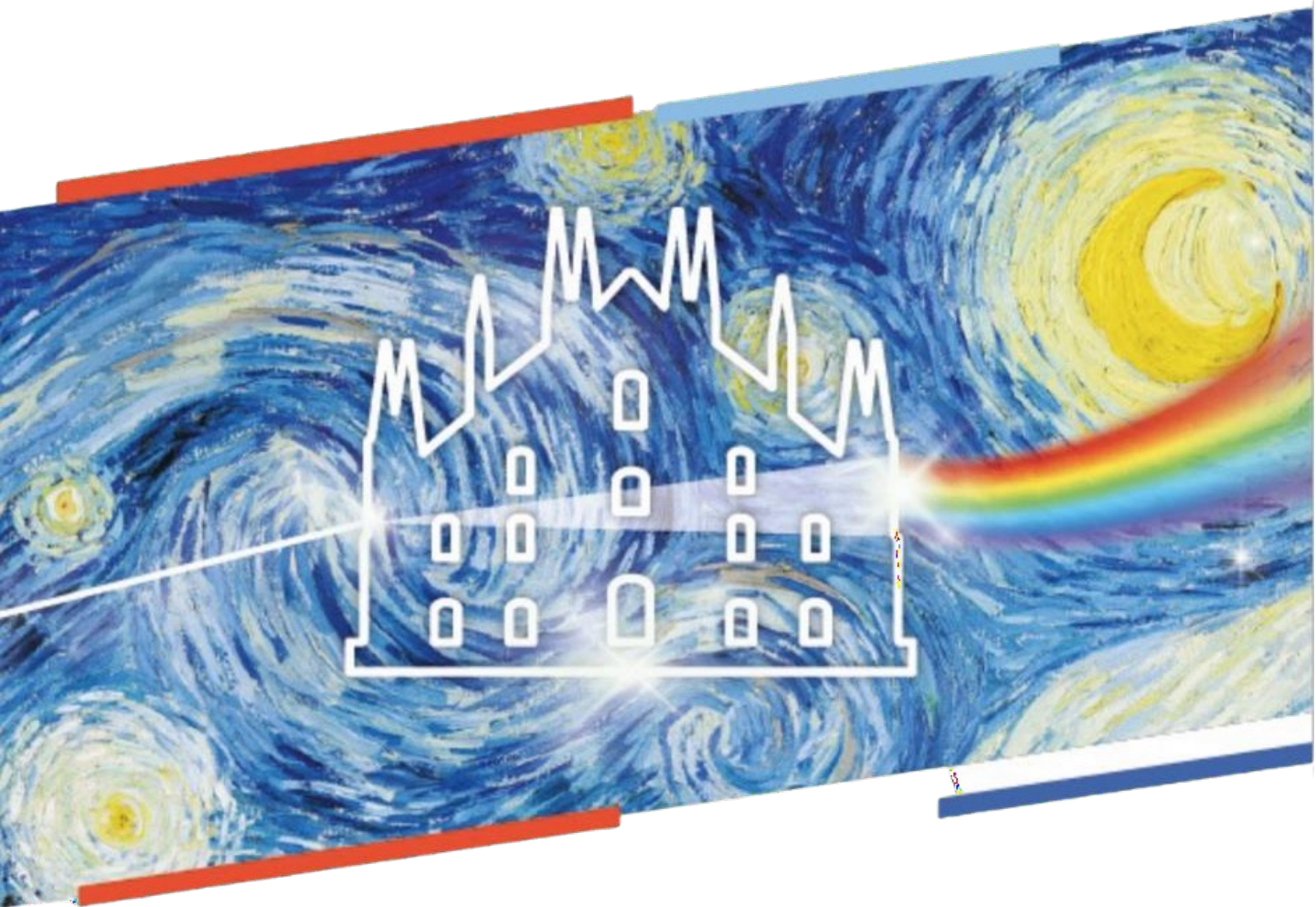


Wet intensive course

## CELL SORTING: FROM THEORY TO PRACTICE



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## MONDAY JUNE 26, 2023

- h. 10.30-11.00 *Domenico Mavilio*  
Introduction to the course
- h 11.00-12.00 *Daniele Manganaro*  
Multicolor flow cytometry and cell sorting
- h 12.00-12.30 *Silvia Della Bella*  
Sample preparation and experiment set-up
- 14.30-18.00 *Clara Di Vito, Donatella Lattuada*  
Explanation of cell sorter functioning, acquisition and sorting of samples already stained  
(individual activity)

## TUESDAY JUNE 27, 2023

- h. 9.00-12.30 *Clara Di Vito, Benedetta Savino*  
Instrument setting: CS&T acquisition, nozzle selection, drop delay assessment  
(individual activity)
- Donatella Lattuada, Simone Balin*  
Sample preparation: cell thawing and staining with viability and lineage markers  
(individual activity)
- h. 14.30-18.00 *Donatella Lattuada, Daniele Manganaro*  
Cell sorting based on physical parameters or based on lineage markers  
(individual activity)
- Clara Di Vito, Benedetta Savino*  
Quality check of samples acquired on Monday  
(individual activity)

WEDNESDAY JUNE 28, 2023

h. 9.00-12.30 *Donatella Lattuada, Michela Calvi*  
Sample preparation: cell thawing and staining for 1- and 2-way sorting  
(individual activity)

*Clara Di Vito, Benedetta Savino*  
Instrument setting for 1- and 2-way sorting  
(individual activity)

h. 14.30-18.00 *Clara Di Vito, Donatella Lattuada*  
1- and 2-way sorting  
(individual activity)

*Benedetta Savino, Michela Calvi*  
Quality check of samples acquired on Tuesday  
(individual activity)

THURSDAY JUNE 29, 2023

h. 9.00-12.30 *Donatella Lattuada, Simone Balin*  
Sample preparation: cell thawing and staining for 4-way sorting  
(individual activity)

*Clara Di Vito, Michela Calvi*  
Instrument setting for 4-way sorting  
(individual activity)

h. 14.30-18.00 *Clara Di Vito, Donatella Lattuada*  
4-way sorting  
(individual activity)

*Benedetta Savino, Michela Calvi*  
Quality check of samples acquired on Wednesday  
(individual activity)



FRIDAY JUNE 30, 2023

h. 9.00-12.30      *Clara Di Vito, Daniele Manganaro*  
Discussion of cases, troubleshooting and peculiar cases

h. 14.00-14.30      QUESTIONNAIRE COMPILATION

h. 14.30-15.30      *Domenico Mavilio, Silvia Della Bella, Clara Di Vito*  
Final remarks and closing of the course



## ***Speakers and Tutors***

*Domenico Mavilio*

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Flow Cytometry Facility, BioMeTra, University of Milan

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