

PROGRAMME

Mon 17th June 2024

8:30 - 9:00 REGISTRATION

9:00 - 9:15 Greetings and Welcome to UniMiB - Room U3-10
prof. Francesca Granucci, Head of Department of Biotechnology and Biosciences

9:15 - 10:15 Lecture: Optic Microscopy and Image Acquisition
prof. Laura Sironi, Department of Physics "Giuseppe Occhialini",
Room U3-10

10:15 - 10:45 Sponsor Talks - Room U3-10
Thermo Fisher Scientific, Cyanagen

10:45 - 11:00 Coffee Break

11:00 - 12:20 Lecture: Choice of Cyclic Immunofluorescence
Technique - Room U3-10

12:20 - 13:00 Sponsor Talks - Room U3-10
Biolegend, Navinci

13:00 - 14:00 Lunch Break

14:00 - 16:00 Lecture: Sample Preparation and Processing
- Room U3-10

16:00 - 18:00 Start of Practical session - lab. U3 1011-1013-1015
Group I: MILAN - Deparaffinization of sample and antigen retrieval
Group II: IBEX - Tissue sectioning with cryostat

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Tue 18th June 2024

- 9:00 - 10:30** Practical session - lab. U3 1011-1013-1015
Group I: MILAN - Secondary Antibodies and Slide Acquisition
Group II: IBEX - Slide Acquisition and Bleaching
- 10:30 - 10:45** Coffee Break
- 10:45 - 13:00** Practical session - lab. U3 1011-1013-1015
Group I: MILAN - Secondary Antibodies and Slide Acquisition
Group II: IBEX - Slide Acquisition and Bleaching
- 13:00 - 14:00** Lunch Break
- 14:00 - 18:00** Practical session - lab. U3 1011-1013-1015
Group I: MILAN - Slide Stripping and Antibody Neodeposition
Group II: IBEX - Slide Acquisition & MILAN - Deparaffinization of sample and antigen retrieval

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Wed 19th June 2024

- 9:00 - 10:30** Practical session - lab. U3 1011-1013-1015
Group I: MILAN - Secondary Antibodies and Slide Acquisition
Group II: MILAN - Secondary Antibodies and Slide Acquisition
- 10:30 - 10:45** Coffee Break
- 10:45 - 13:00** Practical session - lab. U3 1011-1013-1015
Group I: MILAN - Secondary Antibodies and Slide Acquisition
Group II: MILAN - Secondary Antibodies and Slide Acquisition
- 13:00 - 14:00** Lunch Break
- 14:00 - 16:00** **Scientific Seminar - Room U3-10**
Dr. Colin Chu, Institute of Ophthalmology, University College London, UK
Co-Author of IBEX technique
- 14:00 - 18:00** Practical session - lab. U3 1011-1013-1015
Group I: IBEX - Tissue sectioning with cryostat
Group II: MILAN - Stripping and Antibody Neodeposition

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Thu 20th June 2024

- 9:00 - 10:30** Practical session - lab. U3 1011-1013-1015
Group I: IBEX- Slide Acquisition and Bleaching
Group II: MILAN - Secondary Antibodies and Slide Acquisition
- 10:30 - 10:45** Coffee Break
- 10:30 - 13:00** Practical session - lab. U3 1011-1013-1015
Group I: IBEX- Slide Acquisition and Bleaching
Group II: MILAN - Secondary Antibodies and Slide Acquisition
- 13:00 - 14:00** Lunch Break
- 14:00 - 18:00** Practical session - lab. U3 1011-1013-1015
Group I: IBEX - Slide Acquisition
Group II: MILAN - Slide Acquisition

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Fri 21st June 2024

9:00 - 9:30 Technical Talk - lab. U4 4A1 (P-1)
Leica, AIVIA Software

9:30 - 10:30 Image Analysis - lab. U4 4A1 (P-1)
Registration and Alignment - AIVIA

10:30 - 10:45 Coffee Break

10:45 - 13:00 Image Analysis - lab. U4 4A1 (P-1)
Nuclei Detection and Cell Segmentation - AIVIA

13:00 - 14:00 Lunch Break

14:00 - 15:45 Image Analysis - lab. U4 4A1 (P-1)
Population Identification - AIVIA

15:45 - 16:00 Coffee Break

16:00 - 18:00 Image Analysis - lab. U4 4A1 (P-1)
Spatial Analyses - AIVIA

20:00 - 23:00 Social Dinner