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Practical and theoretical course for graduate students

25th – 26th June 2019
UNIVERSITA' DEGLI STUDI DI VERONA Strada Le Grazie, 8
Aula C Istituti Biologici – Theoretical session / Meeting room Centro di Biomedicina Computazionale – Hands on session.

Time – 9:30-12:30 14:00-17:00

Agenda
- Overview on light microscopy basic priciples
  - microscope beampath and contrast modes (PH, DIC, FL)
  - resolution vs. numerical aperture.
  - the fluorescence microscopy (bleed-through e crosstalk)
  - filters (filtersets, virtual filters, online database)
  - digital imaging and microscopy cameras.
  - acquisition software handling.
  - scale bar, basic manual measurements.
- Image analysis: segmentation, automeasurement, machine learning.
- Deconvolution: priciples, algorithms, usage.
- Confocal and Airyscan super-resolution vs. SIM super-resolution.
- Zeiss Elyra super-resolution.
- Zeiss Cell Discoverer 7

Info & registrations: ☎ 02/93773249 email: marketing.czi@zeiss.com

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