



11<sup>TH</sup> COURSE ON

# Optical Microscopy Imaging for Biosciences

**1-5 APRIL 2019 | PORTO, PORTUGAL**

i3S - INSTITUTO DE INVESTIGAÇÃO E INOVAÇÃO  
EM SAÚDE, UNIVERSIDADE DO PORTO

## **COURSE TOPICS**

Specimen preparation;

Light properties and image formation;

Optical contrast techniques in  
transmission light microscopy;

Fluorescence microscopy techniques:  
wide-field, laser scanning confocal,  
two-photon, TIRF and light-sheet;

Live cell imaging;

Analyzing biomolecular interactions  
and dynamics: FRET, FLIM, FRAP,  
PA, FC;

Super-resolution microscopy;

Quantitative image analysis.

## **COURSE COORDINATION**

Paula Sampaio

## **ADVANCED TRAINING UNIT**

REGISTRATIONS & MORE INFORMATION AT:

**[bit.ly/2GsFeWG](https://bit.ly/2GsFeWG)**

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