

# 2<sup>nd</sup> Workshop in Advanced Microscopy and Biophotonics

November 23 to 27, 2020

Zoom webinar

Institut Pasteur of Montevideo

## International speakers:

Dr. Enrico Gratton (UCI-USA)  
Dr. David Jameson (U. Hawaii-USA)  
Dr. Susana Sanchez (U. Concepción-Chile)  
Dr. Per Niklas Hedde (UCI-USA)  
Dr. Luca Lanzaó (U. Catania-Italy)  
Dr. Suman Ranjit (Georgetown U-USA)  
Dr. Lorenzo Scipioni (UCI)  
Dr. Alexander Vallmitjana (UCI-USA)  
Dr. Michelle Digman (UCI-USA)  
Dr. Luis Bagatolli (I. Ferreyra-Argentina)  
Dr. Francesco Cardarelli (U. Pisa-Italy)  
Dr. Valeria Levi (UBA-Argentina)  
Dr. German Gunther (U. Chile)  
Dr. Laura Estrada (UBA-Argentina)  
Dr. Belen Torrado (UCI-USA)  
Dr. Francesco Palomba (UCI-USA)  
Dr. Florencia Irigoín (UdelaR-IP Montevideo)  
Dr. Federico Lecumberry (UdelaR)  
Dr. Ariel Fernández (UdelaR)

## Organizer:

Dr. Leonel Malacrida (UdelaR-IP Montevideo)

## Topics:

- Fluorescence Correlation Spectroscopy (FCS)
- Raster Image Correlation Spectroscopy (RICS)
- Photon counting Histogram (PCH)
- Number and Brightness (N&B)
- Pair Correlation Function (pCF)
- Image Mean Square Displacement (iMSD)
- Fluorescence Lifetime Imaging (FLIM)
- Förster Resonance Energy Transfer (FRET)
- Phasor plots
- Hyperspectral Imaging and Spectral Phasors
- 3D Particle Tracking (PT)
- Deep tissue imaging, DIVER
- Single plane illumination microscopy (SPIM)
- Super-resolution microscopy
- Advanced imaging processing and AI

Inscriptions deadline: **November 8, 2020**

Registration: <https://forms.gle/2f4Qqw8u5fQvbaMQ9>

For further info: [cursos@pasteur.edu.uy](mailto:cursos@pasteur.edu.uy)

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