

3rd Nanoscopy 2nd Molecular Microscopy and Spectroscopy Retreat



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Department of Physics, University of Genoa
21 - 23 March 2018

Dear,

this is the 3rd Nanoscopy Retreat joint with the 2nd Molecular Microscopy and Spectroscopy Retreat incorporating NIC@IIT activities within the Nanobiophotonics Program.

The purpose is to have intense days of discussions about past and future research with the additional target of optimizing the PhD students activities and defining our asset for the IIT 2018-2021 strategic plan. We have two important perspectives, namely: the Eurobioimaging network and the opening of the new labs at Erzelli. The choice of the Department of Physics will allow to increase interactions among research groups at IIT and DIFI and to contribute to the NanoBioScience activities of the Department of Excellence program. Our Retreat will provide an important picture of our activities also in view of our 28th of May evaluation by the IIT scientific committee.

Have fruitful days.

Alberto Sileu

Giuseppe Verdammari

Fabio Bianchini

No limits, Jonathan? he thought, and he smiled. His race to learn had begun.

(Richard Bach, Jonathan Livingston Seagull, 1970)

Wednesday 21st March 2018

09-00 - 09.15 **Opening Session**

Alberto Diaspro, Alessandro Petrolini,
Sandro Squarcia



09.15 - 11.00 **Biomacromolecule and surface interactions**

Silvia Dante

Artemi Bendandi

Amira El Merhie

Barbara Salis

11.00 - 11.30 **Coffee break**

11.30 - 12:50 **Optofluidics**

Marti Duocastella

Salvatore Surdo

13.00 - 14.30 **Lunch**

14.30 - 15:00 **Marco Castello, Simonluca Piazza**

Genoa Instruments



15.00 - 16.30 **Molecular microscopy and spectroscopy**

Giuseppe Vicidomini

Giorgio Tortarolo

16.30 - 17.00 **Coffee break**

17.00 - 19.00 **Advanced Microscopy, R&D**

Sami Valtteri Koho

Takahiro Deguchi

20.00 - 23.00 **Social dinner:** ristorante Antico Borgo
Via Boccadasse, 19r, 16146 Genova

Thursday 22nd March 2018

- 09.00 - 10.30** **Label Free Microscopy I: Non-Linear Optical Interactions**
Paolo Bianchini
Luca Pesce
Giulia Zanini
Marco Cozzolino
- 10.30 - 11.00** **Coffee break**
- 11.00 - 12.00** **Giulia Rossi**
A computational perspective on the interaction between synthetic nanoparticles and model cell membranes 
- 12.00 - 13.00** **Correlative Nanoscopy**
Claudio Canale
Michela Cosentino
- 13.00 - 14.30** **Lunch**
- 14.30 - 16.30** **Quantitative Single Molecule Imaging**
Francesca Cella Zancacchi
Silva Scalisi
Agnieszka Marta Pierzynska-Mach
- 16.30 - 17.00** **Coffee break**
- 17.00 - 17.30** **Annalisa Relini**
Insights into amyloid aggregation 
- 17.30 - 18.00** **Ornella Cavalleri**
Molecules meet surfaces: surface functionalization towards biomedical applications. 
- 18.00 - 18.30** **Label Free Microscopy II: Ptychography**
Nicholas Antony
- 18.30 - 20.30** **Football match**

Friday 23rd March 2018

09.00 - 11.00	Fluorescence Dynamics And Chromatin Organization Luca Lanzaò Melody di Bona Simone Pelicci Isotta Cainero Michele Oneto
11.00 - 11.30	Coffee break
11.30 - 13.00	Label Free Microscopy III: Mueller Matrix Microscopy and Chromatin Organization Aymeric Le Gratiet Riccardo Marongiu
13.00 - 14.30	Lunch
14.30 - 15.30	Andrea Barberis <i>Spatial determinants of inhibitory synaptic plasticity</i>
15.30 - 16.30	XXXIII Cycle: PhD programs
16.30 - 17.00	Coffee break
17.00 - 17.30	Closing Remarks



LOGISTICS and CONTACT

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