XXI INTERNATIONAL SCHOOL OF PURE AND APPLIED BIOPHYSICS

Time Resolved Methods in Biophysics

January 9 – 13, 2017, Venice, Italy

TOPICS AND SPEAKERS

**Single molecule Biophysics**
Johan Hofkens, KU Leuven, Belgium

**Single-molecule super-resolution microscopy in cells**
Mike Heilemann, Johann Wolfgang Goethe-University, Frankfurt/Main, Germany

**Femtosecond infrared /visible spectroscopy: instrumentation, analysis and theory**
Jasper van Thor, Imperial College London, UK

**Applications of Time-resolved FTIR Spectroscopy**
Tilman Kottke, University Bielefeld, Germany

**Time-resolved absorption and emission techniques for the study of photosensitisation processes**
Santi Nonell, Institut Quimic de Sarria, Barcelona, Spain

**Time-resolved X-ray scattering: a tool to investigate the structural dynamics of proteins in solution**
Matteo Levantino, ESRF, Grenoble, France

**Time-resolved serial femtosecond crystallography**
Martin Weik, Institut de Biologie Structurale, Grenoble, France

**Overview of cryo-EM and examples of snapshots over time**
Matteo Allegretti, European Molecular Biology Laboratory, Heidelberg, Germany

**STED/RESOLFT optical nanoscopy for the life sciences**
Ilaria Testa, KTH Royal Institute of Technology, Stockholm, Sweden

**Spatiotemporal fluctuation analysis: a powerful tool for the future nanoscopy of molecular processes**
Francesco Cardarelli, Istituto Italiano di Tecnologia, Pisa, Italy

**Time and Space in Super Resolved Microscopy**
Alberto Diaspro, Istituto Italiano di Tecnologia, Genova, Italy

**Coherent Raman Microscopy**
Dario Polli, Politecnico di Milano, Italy

**Lifetime-based fluorescence sensing**
Ranieri Bizzarri, CNR-Istituto Nanoscienze, Pisa, Italy

**Genetically encoded fluorescent biosensors**
Thomas Gensch, Forschungszentrum Jülich, Germany

**Determination of [Cl⁻] in acute brain slices using FLIM**
Verena Untiet, Forschungszentrum Jülich, Germany

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Organised by:
SIBPA - Società Italiana di Biofisica Pura e Applicata
IVSLA - Istituto Veneto di Scienze Lettere ed Arti

The School promotes deepening of biophysical topics selected in the area of contemporary research. The School will be held in the magnificent Palazzo Franchetti, in the historical centre of Venice, seat of the Istituto Veneto di Scienze Lettere ed Arti.

**Instructions for application are available on the web site of SIBPA at** http://www.sibpa.it

A maximum of 50 students will be admitted.

**Deadline for application: December 1, 2016**

The participation fee is 350 € (it includes accommodation and attendance at the lessons).
The fee for students who do not need accommodation is 165 €.

**For information contact**
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