SIBPA
Società Italiana di Biofisica Pura e Applicata
fondata nel 1973

IstitutoVeneto diScienzeLettere edArti

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 $[Cl^-]_{int}$ in acute brain slices using FLIM
Verena Untiet, :Forschungszentrum Jülich, Germany

Director of the School
Giorgio M. Giacometti
(IVSLA and University of Padova)

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

Scientific Coordinators
Giorgio M. Giacometti (IVSLA and University of Padova)
Cristiano Viappiani (Università degli Studi di Parma)
Thomas Gensch (Forschungzentrum Jülich, Germany)

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 €.

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