SIBPA

Istituto Veneto di Scienze Lettere ed Arti

XVIII School of Pure and Applied Biophysics

Venice, - Campo Santo Stefano, January 27th-31th, 2014

Nanomechanics in biomolecular adhesion

Cell adhesion to matrix, neighboring cells, or pathogens plays a pivotal role in many biological processes. Early macroscopic methods of quantifying adhesion led to the development of quantitative models of cell adhesion and migration. The recent development of sensitive probes to manipulate adhesion at protein level has provided quantitative information about the forces modulating intermolecular adhesion, revealing much greater functional diversity in the mechanobiology of cell adhesion. The school will treat theoretical and experimental methods that proved to be useful in identifying force-dependent molecular properties that are central to the biological activity of adhesion proteins.

Link
http://venice2014.mechanobiology.eu/

Info
venice2014@mechanobiology.eu

Scientific committee

- Dan Cojoc – IOM-CNR, Trieste (Italy)
- Francesco Difato – IIT, Genova (Italy)
- Giorgio M. Giacometti – IVSLA and University of Padua
- Miklos Kellermayer – Semmelweis University, Budapest (Hungary)
- Daniel Navajas – Unit of Biophysics and Bioengineering, University of Barcelona (Spain)
- Vincent Torre – SISSA, Trieste (Italy)
- Massimo Vassalli – IBF-CNR, Genova (Italy)
- Livia Visai – Univ. Pavia e Fondazione Salvatore Maugeri, Pavia (Italy)

Director of the school
Giorgio M. Giacometti – IVSLA and University of Padua

Coordinators

- Dr Massimo Vassalli – Consiglio Nazionale delle Ricerche
- Dr Francesco Difato – Istituto Italiano di Tecnologia

Teachers

- Laurent Blanchoin – iRTSV, CEA, Grenoble (France)
- Fernando Brandi– IIT, Genova (Italy)
- Claudio Canale – IIT, Genova (Italy)
- Marco Capitanio – LENS, Firenze (Italy)
- Lorenzo Cingolani – IIT, Genova (Italy)
- Dan Cojoc – IOM-CNR, Trieste (Italy)
- Andras Czirok – Eotvos University, Budapest, Hungary
- Paolo Facci – IBF-CNR, Genova (Italy)
- Paola Gavazzo – IBF-CNR, Genova (Italy)
- Emanuela Jacchetti – NEST, Pisa (Italy)
- Miklos Kellermayer – Semmelweis University, Budapest (Hungary)
- Alessandro Laio– SISSA, Trieste (Italy)
- Sabata Martino– Univ. of Perugia (Italy)
- Daniel Navajas – Univ. of Barcelona (Spain)
- Michael Pusch– IBF-CNR, Genova (Italy)
- Pere Roca-Cusachs – Univ. of Barcelona (Spain)
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