



Photonic Devices for Bio-Components

International Workshop

5 – 6 June 2017

Dipartimento di ingegneria dell'informazione,
Università di Pisa, Pisa, Italy

Monday 5

9:15-9:30 Opening Remarks

9:30-13:00 General techniques and approaches

9:30-10:15 Lorena Tedeschi (CNR-IFC, Pisa): "Bio-connection: functionalisation techniques and biorecognition elements"

10:15-11:00 Stefano Mariani (UNIPi, Pisa): "Label-free biosensing using photonics and plasmonics"

11:00-11:30 Coffee Break

11:30-12:15 Ambra Giannetti (CNR-IFAC Firenze): "Fluorescence-based biosensors"

12:15-13:00 Elisabetta Mazzotta (UNISalento, Lecce): "Molecularly imprinted polymers (MIP) as synthetic receptor for biosensing"

13:00-14:00 Lunch

14:00- 16:45 Biosensing Devices

14:00-14:45 Alberto Sinibaldi (UNISapienza, Roma): "Label-free and fluorescence cancer biomarker detection with 1D photonic crystals"

14:45-15:30 Mara Mirasoli (UNIBO, Bologna): "Chemical luminescence-based biosensors"

15:30-16:15 Salvatore Surdo (IIT, Genova): "Cell and molecular biosensing with IR 1D silicon photonic crystals"

16:15-16:45 Romeo Bernini (CNR-IREA, Napoli): "Optofluidic microring resonators for molecular biosensing"

Tuesday 6

9:30-13:00 Biocomponents

9:30-10:15 Lucanos M. Strambini (CNR-IEIT, Pisa): "Microneedles for transdermal biosensing"

10:15-11:00 Maria Rosa Antognazza (IIT-CNST, Milano): "Artificial Retina"

11:00-11:30 Coffee Break

11:30-12:15 Giovanni Vozzi (Centro Piaggio-UNIPi, Pisa): "3D in-vitro cell models"

12:15-13:00 Virgilio Mattoli (IIT-CMBR, Pontedera): "Freestanding nanofilms for biomedical applications"

13:00-13:15 Closing Remarks

Organising Committee: Giuseppe Barillaro, Valentina Robbiano, Stefano Mariani – University of Pisa

The workshop is organised in the framework of EU-funded project **SYNCHRONICS**: Supramolecularly engineered architectures for optoelectronics and photonics: a multi-site initial training action



SYNCHRONICS
Supramolecularly engineered architectures
for optoelectronics and photonics

