

Il prossimo 23 settembre si terrà l' [Open Workshop "Advances in Optical Biosensing Technologies"](#) presso la sede di San Pietro in Vincoli delle Facoltà di Ingegneria.

La partecipazione al workshop è gratuita. E' comunque necessaria una [pre-registrazione](#) per ricevere all'arrivo il badge.

Il workshop è una delle attività di disseminazione del progetto europeo [BILOBA](#), coordinato dal Prof. F. Michelotti del Dipartimento di Scienze di Base ed Applicate per l'Ingegneria, dedicato allo sviluppo di nuove tecniche di biosensing per la rivelazione precoce di marcatori tumorali.

Il [programma](#) del Workshop prevede interventi orali di esperti stranieri ed italiani del settore e due tavole rotonde al termine delle sessioni della mattina e del pomeriggio. Vi sarà inoltre una sessione poster a cui si può partecipare sottomettendo un abstract direttamente a francesco.michelotti@uniroma1.it.

Il workshop è un evento satellite del Forum [Nanoltaly 2015](#) che si terrà dal 21 al 24 settembre 2015. Anche in questo caso la partecipazione è gratuita.

PROGRAMMA in poche righe

*F. Michelotti, SAPIENZA Università di Roma, **Welcome and Introduction***

*T. Nikolova, European Commission, **The EU policy in Photonics and Biophotonics***

*R. Quidant, ICFO - The Institute of Photonic Sciences, Barcelona, Spain, **Nanophotonics for Biosensing***

*E. Maillart, HORIBA Jobin Yvon Europe Research Center, Palaiseau, France **Surface plasmon resonance based biosensing***

*N. Danz, Jena, Germany, **EU funded BILOBA Project - Bloch electromagnetic surface wave bio-sensors for early cancer diagnosis***

*F. Bussolino, Università degli Studi di Torino and Candiolo Institute for Cancer Research and Treatment, Italy, **Biomarkers and precision medicine***

*F. Vollmer, Max Planck Institute for the Science of Light, Erlangen, Germany, **Detecting Single Molecules with Optical Microcavities***

*P. Giacomini, National Cancer Institute, Roma, Italy, **Precision Medicine and Onco-Nano-Therapy***

*A. Pigozzo, Alfatest, Italy, **Next-generation surface plasmon resonance for optical biosensing-based biomolecular interaction analysis and fragment based drug discovery: measurement principle and applications***

*R. Negri, SAPIENZA Università di Roma, Biology and Biotechnology Department "Charles Darwin", **In vivo selection of JARID histone demethylases inhibitors and their use to enlighten the biological role of these enzymes in yeast and mammalian cells with focus on transcriptional regulation***

*P. Bollella, SAPIENZA Università di Roma, Department of Chemistry and Drug Technologies, **Surface plasmon resonance: some applications in pharmaceutical sciences***

*A. Frangolho, Plasmore, Varese, Italy, **Multiplexing high-throughput and label-free optical platform for biomolecular interaction monitoring***

In the frame of its dissemination and communication activities the EU funded STREP project BILOBA is organizing a one-day open workshop (http://www.biloba-project.eu/open_workshop.html) that will be focused on the latest advances and applications of optical biosensing technologies in life sciences. It aims at bringing together the technology inventors and providers and the end-users.

The title of the Workshop is “Advances in Optical Biosensing Technologies” and will be held in the historical seat of the Civil and Industrial Engineering Faculty of the SAPIENZA University of Rome, Italy (<http://www.ing.uniroma1.it/drupal/international>). The Workshop will last one day and will be held on September 23rd 2015. It is one of the satellite activities of a larger event [Nanoltaly2015](#) taking place from September 21st to 24th 2015. The program is available at http://www.biloba-project.eu/BILOBA%20Open%20Workshop_Program.pdf .

We invite you to attend the workshop. The registration is free of charge. There is also the possibility to submit abstracts for poster presentations with deadline Sept 4th 2015. Communication of the acceptance of poster contributions will be given by Sept 12th 2015. Selected papers related to the invited and poster contributions will be published on a special issue of the AIP Conference Proceedings dedicated to Nanoltaly 2015. AIP Conference Proceedings is a widely indexed open access publication. The publication costs will be 250-300 euro/paper, depending on number of pages. The deadline for submission of manuscripts is December 2015.