



## V Scuola Nazionale Biosensori Ottici e Biofotonica

June 3 - 7, 2024 – Lecce

### Program

#### Monday 3 June 2024

12:30-14:30	<b>Registration</b>
14:30-15:15	<b>Ambra Giannetti</b> <i>Molecular recognition elements for biosensing: principles and applications</i>
15:30-16:15	<b>Francesco Baldini</b> <i>Absorption/fluorescence vs label-free: principles and applications to chemical and biochemical sensors</i>
16:30-17:15	<b>Genni Testa</b> <i>Microfluidics and Optofluidics: Fundamentals and applications</i>
17:30-19:00	<b>Team activity</b>
19:00-20:00	<b>Welcome event</b> with wine tasting provided by Consorzio di Tutela vini d.o.p. Salice Salentino

#### Tuesday 4 June 2024

09:00-09:45	<b>Maria Grazia Manera</b> “Plasmonics and Plasmon-enhanced phenomena for Optical Nanosensors: Fundamentals and Applications”
10:00-10:45	<b>Francesco Ricci</b> “DNA Nanotechnology for bio-sensing applications”
11:00-11:30	<b>Coffee break</b>
11:30-12:15	<b>Raffaele Velotta</b> “Plasmonic nanoparticles for biosensing”
12:30-14:00	<b>Lunch break</b>
14:00-14:45	<b>Ranieri Bizzarri</b> “Optical microscopy as a multiscale sensing platform”
15:00-15:45	<b>Luisa Torsi</b> “Point-Of-Care Ultra-Portable Single-Molecule Bioassays for One-Health”
16:00-20:00	<b>Team activity</b>

#### Wednesday 5 June 2024

09:00-09:45	<b>Fabrizio Giorgis</b> “Raman and SERS spectroscopy: fundamentals and applications to biological assays and agri-food systems”
10:00-10:45	<b>Ilaria Rea</b> “Hybrid nanoplatforms for biomedicine”
11:00-11:30	<b>Coffee break</b>
11:30-12:15	<b>Andrea Cusano</b> “Lab on fiber Technology: towards theranostic tools for Precision Medicine ”
12:30-14:00	<b>Lunch break</b>

14:00-20:00	<b>Social event and school dinner</b>
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#### Thursday 6 June 2024

09:00-09:45	<b>Anna Chiara De Luca</b> <i>“Advances in Raman spectroscopy and imaging for biomedical research”</i>
10:00-10:45	<b>Pietro Gucciardi</b> <i>“Contactless detection and chemical identification of micro and nano plastics trapped with light and sound in portable devices.”</i>
11:00-11:35	<b>Coffee break</b>
11:30-12:15	<b>Giuseppe Barillaro</b> <i>“Nanostructured implantable optical sensors for in vivo tracking of analytes of clinical interest”</i>
12:30-14:00	<b>Lunch break</b>
14:00-14:45	<b>Luca De Stefano</b> <i>“Flexible optical biosensors”</i>
15:00-20:00	<b>Team activity</b>

#### Friday 7 June 2024

09:00-11:00	Team-work presentation
11:00-11:30	<b>Coffee break</b>
11:30-12:30	Award session
12:30-14:00	<b>Lunch break</b>