

# Nano-Bio Technologies for Lab-on-Chip



EPFL, Lausanne, Switzerland  
25 April 2013



**9:00** Welcome!

**Sandro Carrara**

*EPFL, Lausanne, Switzerland*

**Han Zuilhof**

*Wageningen University, Wageningen, The Netherlands*

**9:30** H-terminated Si(111) modification with trans-enynes: densely packed and highly stable monolayers

**Sidharam P. Pujari**

*Wageningen University, Wageningen, The Netherlands*

**9:50** Direct growth of nanotubes or graphene nanoflowers on microelectrodes for biosensing applications

**Irene Taurino**

*EPFL, Lausanne, Switzerland*

**10:10** Oriented immobilization of antibodies on biosensor surface

**Florine Duval**

*Wageningen University, Wageningen, The Netherlands*

**10:30** *Coffee Break*

**10:45** A new biosensing approach: memristive silicon nanowires for biomolecule detection

**Francesca Puppo**

*EPFL, Lausanne, Switzerland*

**11:05** Nanoelectronic biosensors for agro-food, environmental, medical monitoring and diagnostics applications

**Saurabh K. Srivastava**

*Wageningen University, Wageningen, The Netherlands*

**11:25** Electrochemical platform based on cytochrome P450 for diagnostic applications in personalized medicine

**Camilla Baj-Rossi**

*EPFL, Lausanne, Switzerland*

**11:45** General discussion for future collaboration perspectives

**12:30** *Lunch*