

SCIENTIFIC COMMITTEE:

Prof. Elisa Michelini

University of Bologna, Italy

Prof. Aldo Roda

University of Bologna, Italy

Prof. Shimshon Belkin

University of Jerusalem, Israel

Prof. Yoshihiro Ohmiya

AIST, Japan

Prof. Eugen Gheorghiu

The International Centre of
Biodynamics, Romania

**Dott.ssa Maria Maddalena
Calabretta**

University of Bologna, Italy

Dott.ssa Antonia Lopreside

University of Bologna, Italy

Supported by



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM



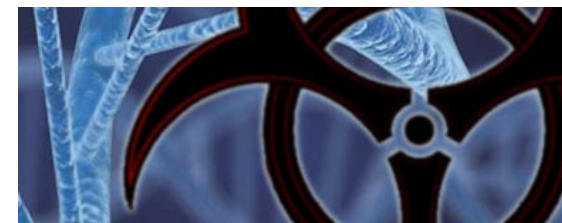
1° Workshop

Biosensors for Security

9 May, 2018

*Accademia delle Scienze,
Palazzo Poggi, sala Ulisse, via
Zamboni 31, Bologna*

<https://eventi.unibo.it/biosensorsforsecurity>



Biosensors for Security

Program

9:30 **Registration**

10:00 Welcome and introduction by
President of Academy of Sciences
of the Bologna Institute
Prof. Ferruccio Trifirò and
Prof. Aldo Roda
(University of Bologna, Italy)

10:15 Microbial biosensors for the remote
detection of buried landmines and
other explosive devices
Prof. Shimshon Belkin
(University of Jerusalem, Israel)

10:45 Nanostructured materials for the
decontamination of chemical
warfare agents - expanding
capabilities for a comprehensive
protection from hazardous agents
Dr. Matteo Guidotti
(ISTM-CNR, Italy)

11:15 Fiber optic based biosensors
Dr. Ambra Giannetti
(CNR, Florence, Italy)

11:45 Evaluation of the chemical toxicity
using bioluminescence systems
Prof. Yoshihiro Ohmiya
(AIST, Japan)

12:15 Label-free, electro-optical cellular
sensing Platform
Prof. Eugen Gheorghiu
(The International Centre of Biodynamics,
Romania)

12:45 **Light Brunch**

14:15 New remote sensing system
Dr. Gaetano Carminati
(Ministry of Foreign Affairs and
International Cooperation, Italy)

14:45 Silica Nanoparticles as Luminescent
Organized Systems for imaging and
sensing applications
Prof. Luca Prodi
(University of Bologna, Italy)

15:15 Electrochemiluminescence meets
nanotechnology, theory and analytical
applications

Prof. Francesco Paolucci
(University of Bologna, Italy)

15:45 Electrochemical biosensors for
chemical warfare
Prof. Fabiana Arduini
(University of Rome Tor Vergata, Italy)

16:15 Ultrasensitive nanophotonics biosensors
for the label-free and real-time detection
of analytes
Prof. Laura M. Lechuga
(Institut Català de Nanociència i
Nanotecnologia, Spain)

16:15 Conclusion
Prof. Elisa Michelini
(University of Bologna, Italy)

FREE REGISTRATION

<https://eventi.unibo.it/biosensorsforsecurity>