

SCIENTIFIC COMMITTEE:

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Prof. Aldo Roda

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Prof. Shimshon Belkin

The Hebrew University of Jerusalem,
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Prof. Yoshihiro Ohmiya

AIST, Japan

Prof. Eugen Gheorghiu

The International Centre of
Biodynamics, Romania

Dr. Maria Maddalena Calabretta

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האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



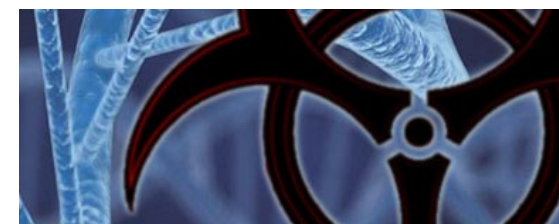
ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

2° Workshop

Biosensors for Security

Tuesday 18 June, 2019

*Aula Magna, Dipartimento di
Chimica "Giacomo Ciamician",
via Selmi 2, Bologna*



Biosensors for Security

Program

10:00 Registration

11:00 Welcome and introduction

Prof. Aldo Roda

(University of Bologna, Italy)

11:15 Finding a needle in a haystack:
combining whole cell biosensors with
high-performance thin layer
chromatography for identifying toxic
sample components

Prof. Shimshon Belkin

(University of Jerusalem, Israel)

11:40 Point of need analytical systems for:
assessment of target pathogenic
micro-organisms, and detection of
bio-active analytes

Prof. Eugen Gheorghiu

(The International Centre of
Biodynamics, Romania)

12:05 Ingenious nanomaterials for
ultrasensitive
electrochemiluminescence

Prof. Francesco Paolucci

(University of Bologna, Italy)

12:30 The role of the National Authority for the
promotion to Italian academia of OPCW
support for research projects on the
peaceful applications of chemistry under
Article XI of the Convention

Dr. Gaetano Carminati

(Ministry of Foreign Affairs and
International Cooperation, Italy)

12:55 Lunch break

14:15 Bio-sensing of pesticides in food using
electrochemical nanostructured
transducers

Prof. Dario Compagnone

(University of Teramo, Teramo, Italy)

14:35 Silica Nanoparticles for imaging and sensing
applications

Prof. Luca Prodi

(University of Bologna, Italy)

14:55 Application and Evaluation of the
2013/30/EU Offshore Safety Directive in
Italy

Prof. Ezio Mesini

(University of Bologna, Italy)

15:15 Early and on site detection of chemical and
biological warfare agents using miniaturised
electrochemical biosensors

Prof. Fabiana Arduini

(University of Rome Tor Vergata, Italy)

15:35 Toxicological test using multicolor luciferase
systems

Prof. Yoshihiro Ohmiya

(AIST, JAPAN)

15:55 Design and optimization of Prussian Blue
particles for the decontamination of
aqueous media from potentially radioactive
caesium

Dr. Matteo Guidotti

(ISTM-CNR, Italy)

16:15 Smartphone-based cell biosensors to
address rapid detection of environmental
health threats

Dr. Maria Maddalena Calabretta

(University of Bologna, Italy)

16:35 Conclusion

Prof. Elisa Michelini

(University of Bologna, Italy)

REGISTRATION

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