



## MERCOLEDÌ 15/06/2011

Ore 15:30 Registrazione dei Partecipanti

Ore 16:30 Saluti

17:00-17:50 *Plenary Lecture 1*  
15 YEARS OF PORPHYRINS-BASED GAS SENSORS  
AT ROME TOR-VERGATA

Di Natale C.

### *Sessione I*

17:50-18:10 **O-1** DETERMINAZIONE MEDIANTE  
NASO ELETTRONICO DI CAFFÈ PROVENIENTI DA  
AREE GEOGRAFICHE DIVERSE

Sberveglieri V., Concina I., Falasconi M., Gobbi  
E., Pulvirenti A., Fava P.

18:10-18:30 **O-2** PEPTIDE MODIFIED GOLD  
NANOPARTICLES FOR GAS SENSING OF FOOD  
AROMAS

Fusella G.C., Del Carlo M., Paolesse R., Tortora  
L., Di Natale C., Pittia P., Compagnone D.

18:30-18:50 **O-3** IDENTIFICATION OF VIABLE  
PATHOGENIC BACTERIA BY AN OLFACTORY  
MOS-BASED SENSOR ARRAY COUPLED WITH  
FIELD-FLOW FRACTIONATION

Colliva C., Roda B., Reschiglian P., Mirasoli M.,  
Roda A.<sup>1</sup>

18:50-19:10 **O-4** PORPHYRIN  
ELECTROPOLYMERS FOR HYPHENATED  
ELECTROCHEMICAL AND OPTICAL SENSORS

Paolesse R., Lvova L., Mastroianni M., Di Natale  
C., D'Amico A.

19:10-19:30 **O-5** INNOVATIVE ELECTRONIC OFET  
BIOSENSORS

Magliulo M., Angione M.D., Cotrone S.,  
Sabbatini L., Mallardi A., Palazzo G., Torsi L.

19:45 Fine lavori

## GIOVEDÌ 16/06/2011

### *Sessione II*

9:00-9:50 *Plenary Lecture 2*

ELECTROCHEMICAL MAGNETO-BIOSENSORS FOR THE  
ULTRASENSITIVE DETECTION OF HORMONES AND  
BACTERIA

Pingarrón J.M.

9:50-10:10 **O-6** DNA BASED MOLECULAR SWITCHES  
FOR THE DETECTION OF ANTIBODIES AND  
TRANSCRIPTION FACTORS

Ricci F., Vallee-Belisle A., Bonham A.J., Plaxco K.W.,  
Palleschi G.

10:10-10:30 **O-7** AFFIBODY MOLECULES: A NOVEL  
CLASS OF AFFINITY LIGANDS FOR TUMOUR MARKER  
IMMUNOSENSORS

Ilkhani H., Mascini M., Marrazza G.

10:30-10:50 **O-8** MULTIPLE ELECTROCHEMICAL  
DETECTION OF DNA HYBRIDIZATION BY 2  
ELECTRODES DEVICE

Bonetti S., Gazzola D., Onofri M., Zuccheri G., Riccò  
B., Samorì B.

10:50-11:20 COFFEE BREAK

### *Sessione III*

11:20-11:40 **O-9** APPLICATION OF THE THICKNESS  
SHEAR MODE (TSM) METHOD FOR DNA APTAMERS-  
BASED BIOSENSOR DEVELOPMENT AND  
OCHRATOXIN A DETECTION

Hianik T., Castillo G., Lamberti I., Mosiello L.

11:40-12:00 **O-10** ENZYME-BASED AND ENZYME-  
FREE GLUCOSE SENSORS

La Mantia F.

12:00-12:20 **O-11** NEW IMMUNOSENSORS  
OPERATING IN ORGANIC PHASE (OPIEs) FOR  
ANALYSIS OF TRIAZINIC PESTICIDES IN OLIVE OIL  
Tomassetti M., Martini E., Campanella L.

12:20-12:40 **O-12** DIRECT AND MEDIATED  
ELECTROCHEMICAL APPROACHES FOR THE ANALYSIS  
OF POLYPHENOLS IN EXTRA VIRGIN OLIVE OIL  
Del Carlo M., Fusella G.C., Cichelli A., Amine A.,  
Compagnone D.

12:40-14,30 LUNCH E POSTER SESSION

**Sessione IV**

14:30-15:00 *Keynote*

PROTEIN-LIGAND INTERACTION  
STUDIES BY FLUORIMETRIC AND X-RAY  
SCATTERING APPROACHES

Dainese E., Maccarrone M.

15:00-15:20 **O-13** OPTICAL pH NANOSENSING  
WITH MODIFIED CARBON NANOTUBES

Baldini F., Bianchini C., Ghini G., Giambastiani  
G., Giannetti A., Luconi L., Puleo G.L., Trono C.

15:20-15:40 **O-14** SEPSIS ANALYSIS WITH THE  
CHANNEL ARRAY INTERROGATION  
INSTRUMENT

Giannetti A., Trono C., Bolzoni L., Porro G.,  
Baldini F.

15:40-16:00 **O-15** A PORTABLE MICROFLUIDIC  
DEVICE BASED ON CHEMILUMINESCENCE  
"CONTACT" IMAGING FOR DETECTING AND  
GENOTYPING PARVOVIRUS B19

Dolci L.S., Mirasoli M., Bonvicini F., Buragina A.,  
Di Furio F., Guardigli M., Roda A.

16:00-16:20 **O-16** MICRO ELECTRODES ARRAY  
(MEA) TECHNOLOGY: A MULTI-BIOMEDIATOR  
AND MULTI-DETECTION BIOSENSOR FOR  
AGRI-FOOD AND ENVIRONMENTAL  
MANAGEMENT

Scognamiglio V., Boutopoulos C., Lavecchia T.,  
Rodio G., Pezzotti G., Pezzotti I., Zergioti I.,  
Giardi M.T.

16:40-17:10 COFFEE-BREAK

**Sessione V**

17:10-17:30 **O-17** ALL-SOLID STATE ION  
SELECTIVE ELECTRODE FOR DOPAMINE BASED  
ON MOLECULAR IMPRINTED POLYMER

Pesavento M., D'Agostino G., Merli D.

17:30-17:50 **O-18** BIOCATALYTIC NON WOVEN  
NANOFIBROUS MEMBRANES (NW- NFMs)

Scampicchio M, Benedetti S., Mannino S.

18:00 Riunione Gruppo Sensori

20:30 Cena sociale

**Sessione VI**

9:30-10:00 *Keynote*

ELECTROANALYSIS AND ELECTROCHEMICAL SENSING  
AT THE NANOSCALE.

UGO P.

10:00-10:20 **O-19** ELECTROCHEMICAL SENSORS  
BASED ON ELECTRODES COATED WITH LAYERED  
DOUBLE HYDROXIDES

Guadagnini L., Gualandi I., Mignani A., Monti M.,  
Scavetta E., Tonelli D.

10:20-10:40 **O-20** ENVIRONMENTAL FRIENDLY  
SYNTHESIS OF POLYMER-STABILIZED METAL  
NANOPARTICLES AS HIGHLY SENSITIVE AND  
SELECTIVE SENSING PLATFORM FOR THE  
DETERMINATION OF CAFFEIC ACID

Di Carlo G., Toro R.G., Ingo G.M., Padeletti G., Zane  
D., Bianchini C., Curulli A.

10:20-10:40 **O-21** ELECTROSYNTHESIZED  
POLYPYRROLE ON MICROSTRUCTURED SILICON:  
TECHNOLOGY, CHARACTERIZATION AND  
PRELIMINARY SENSING APPLICATIONS

Mazzotta E., Malitesta C., Surdo S., Strambini L.M.,  
Barillaro G.

11:00 COFFEE BREAK

**Sessione VII**

11:30-11:50 **O-22** DAI FILM DI Hg AI FILM DI Sb :  
VERSO LA SOSTITUZIONE DEL MERCURIO IN  
ELETTROANALISI INORGANICA

Dossi C., Farina S., Fusi F.

11:50-12:10 **O-23** NOVEL ELECTRODE MATERIALS  
FOR AMPEROMETRIC DETECTION OF OXIDANTS

Terzi F., Zanfognini B., Pigani L., Zanardi C., Seeber  
R., Viinikanoja A., Lukkari J.

12:10-12:30 **O-24** CARBON BLACK MODIFIED SCREEN  
PRINTED ELECTRODES

Arduini F., Di Nardo F., Suprun E., Micheli L., Amine  
A., Moscone D., Palleschi G.

12:30 Chiusura dei Lavori