

Oral communications

OC 1 : JIA GENG

FUNCTIONAL NANOPORE SENSING AND SEQUENCING FOR DIAGNOSTICS

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OC 2 : ISTAMBOULIE GEORGES

DUAL ELECTROCHEMICAL IMMUNOSENSOR FOR FLUOROQUINOLONE DETECTION IN MEAT BASED ON AN ELECTROACTIVE DERIVATIVE OF DIFLOXACIN

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OC 3 : GAËLLE CATANANTE

ELECTROCHEMICAL BIOSENSORS FOR FOOD CONTAMINANTS DETECTION: FROM QUATERNARY AMMONIUM COMPOUNDS TO OCHRATOXINE A

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OC 4 : JEAN FRANÇOIS FELLER

COMBINING PIEZO- AND CHEMO-RESISTIVE NANOCOMPOSITE SENSORS TO MINIMIZE PRESSURE ULCERS DEVELOPMENT

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OC 5 : JOHANA STRMISKOVA

HPV TESTING: A SOLVED PROBLEM?

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OC 6 : ANETA FRIED

ELECTROCHEMICAL DETECTION OF HUMAN CYTOMEGALOVIRUS IN GLIOBLASTOMA: A COMPARATIVE MULTI-METHOD STUDY

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OC 7 : CHRISTOPHER M.A. BRETT

NEW NANOMATERIAL AND POLYMER FILM MODIFIED ELECTRODES FOR SENSORS AND BIOSENSORS PREPARED IN TERNARY DEEP EUTECTIC SOLVENTS

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OC 8 : ANA MARIA OLIVEIRA-BRETT

INHIBITION OF AMYLOID-SS PEPTIDES FIBRILIZATION BY CURCUMIN: AFM AND ELECTROCHEMICAL CHARACTERISATION

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OC 9: STEPHANIE MORAIS

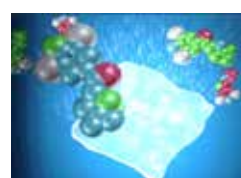
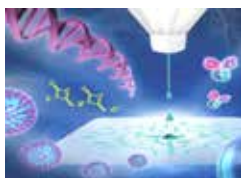
ELECTROCHEMICAL GENOSENSORS FOR HEATHER HONEY DNA AUTHENTICATION USING SWCNT-MODIFIED ELECTRODES

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OC 10: CAMELIA BALA

ADVANCEMENTS IN BIOSENSORS FOR EARLY DETECTION OF TARGET PROTEINS

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OC 11: CRACIUNESCU IZABELL

MULTIFUNCTIONAL POLYPYRROLE COMPOSITE INTERFACES FOR WEARABLE BIOELECTRONICS AND SENSING

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OC 12: JAN LABUDA

PROGRESS IN THE DEVELOPMENT OF ELECTROCHEMICAL (BIO)SENSORS FOR ORGANIC CHEMICAL CARCINOGENS IN FOOD MATRICES AND FOOD QUALITY CONTROL ACCORDING TO THE LEGISLATION

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OC 13: ALEJANDRO VALVERDE

CLAMPING THE LAMP: A PHOTOELECTROCHEMICAL PLATFORM FOR SELECTIVE KRAS MUTATION DETECTION THROUGH WILD-TYPE SUPPRESSION

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OC 14: ELISE DAEMS

SINGLET OXYGEN-BASED PHOTOELECTROCHEMISTRY FOR INFECTIOUS DISEASE DIAGNOSTICS

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OC 15: MUTIAN CHEN

DIRECT SINGLE-MOLECULE DETECTION OF COA-SH AND ATP BY THE MEMBRANE PROTEINS TMEM120A AND TMEM120B

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OC 16: YUE LI

RESEARCH ON TUMOR CELL CFDNA DETECTION BASED ON THE AUTOCATALYTIC EFFECT OF THE CRISPR/CAS12A SYSTEM

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OC 17: WILFRID BOIREAU

SURFACE PLASMON RESONANCE SCREENING STUDY OF MANNOSE-FUNCTIONALISED GOLD NANOPARTICLES ON LECTINE INNOVATING BIOINTERFACE

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OC 18: BIANCA COMEGNA

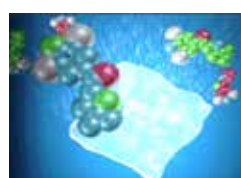
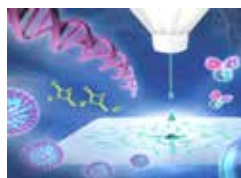
A MULTIPARAMETRIC ELECTROCHEMICAL SENSOR PLATFORM FOR POINT-OF-CARE DIAGNOSIS OF PERIPROSTHETIC JOINT INFECTION

Bianca Comegna¹, **Giorgia Leotta**¹, **Luca Fiore**¹, **Raffaele Vitiello**^{2,3}, **Giulio Maccauro**^{2,3}, **Fabiana Arduini**¹

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OC 19: LAURA BELCASTRO

PAPER-BASED ELECTROCHEMICAL (BIO)SENSOR ARRAY FOR REAL-TIME CONTINUOUS MONITORING INTO ORGAN-ON-CHIP PLATFORMS

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OC 20: PRISCILLA G L BAKER

THIOL-MEDIATED ELECTROCHEMICAL SENSOR FOR THE BREAST CANCER BIOMARKER CA 15-3 AS A FIRST STEP TOWARDS MULTI-ELEMENT BIOMARKER DETECTION

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OC 21: MÒNICA MIR

REAL TIME DIAGNOSIS OF CARDIAC DISEASES WITH IMPLANTABLE SENSORS

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OC 22: JIAJIE DIAO

ULTRA-SENSITIVE SINGLE-MOLECULE FLUORESCENT QUANTIFICATION OF DNA EPIGENETIC MODIFICATIONS

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OC 23: ANDY WIJTEN

NANOBODY-BASED PHOTOELECTROCHEMICAL SENSING FOR POINT-OF-CARE DETECTION OF AFRICAN TRYPANOSOMIASIS

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OC 24: HANNAH OP DE BEECK

DUAL-FUNCTIONALISED AMPLICONS ENABLE EXTRACTION-FREE PHOTOELECTROCHEMICAL DIAGNOSIS OF CHIKUNGUNYA VIRUS

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OC 25: FLAVIO DELLA PELLE

EMERGING STRATEGIES TO PRODUCE PAPER-BASED AND 3D-PRINTED (BIO)SENSORS BASED ON LASER-NANOSTRUCTURED GRAPHENE

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OC 26: ANNALISA SCROCCARELLO

CARBONIC ANHYDRASE-BASED PAPER-BASED COLORIMETRIC DEVICE FOR ACETAZOLAMIDE DETERMINATION IN BIOLOGICAL SAMPLES

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OC 27: IDA VALERIA DI CRISTOFORO

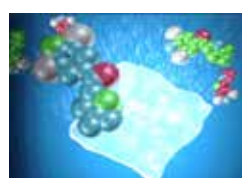
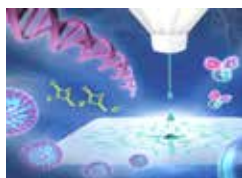
PAPER-BASED LASER-INDUCED GRAPHENE OBTAINED VIA UV LASER FOR APTAMER-BASED INSULIN DETECTION

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OC 28: RICCARDO DESIDERIO

LUCIFERASE-AUNP BIOCONJUGATES FOR PLASMON-ENHANCED BIOLUMINESCENCE: TOWARD MINIMALLY INVASIVE ATP SENSING

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OC 29: CALABRETTA MARIA MADDALENA

BOOSTING BIOSENSING WITH NOVEL BIOLUMINESCENCE CELL-BASED PLATFORMS

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OC 30: CHIARA ZANARDI

MICRONEEDLE ELECTROCHEMICAL PLATFORMS FOR DETECTING BIOMARKERS ASSOCIATED WITH NEURODEGENERATIVE DISEASES

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OC 31: ANDRIJANA DANYTE

DEVELOPMENT OF AN ELECTROCHEMICAL BIOSENSOR FOR PROTEASE DETECTION

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OC 32: ABDELHAFID KARRAT

MAGNETIC CARBON BLACK MODIFIED WITH A MOLECULARLY IMPRINTED POLYMER FOR THE SELECTIVE EXTRACTION AND DETERMINATION OF CARVACROL

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OC 33: CHRISTIN GOSTI

DUAL-SELECTIVE WEARABLE PLATFORM FOR SELF-REFERENCED POTENTIOMETRIC MONITORING OF CORTISOL AND POTASSIUM IN SWEAT

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OC 34: MOHAMED WALID HASSEN

DIGITAL PHOTOCORROSION QUANTUM SEMICONDUCTOR BIOSENSOR FOR BACTERIA AND BACTERIAL SPORES

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OC 35: MARINA JIMÉNEZ-RODRÍGUEZ

A NOVEL SONOGEL-CARBON BASED AMPEROMETRIC BIOSENSOR INTEGRATED INTO A CONTINUOUS-FLOW SYSTEM FOR GLUCOSE DETERMINATION IN UNTREATED BLOOD SERUM AND PLASMA

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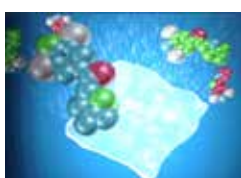
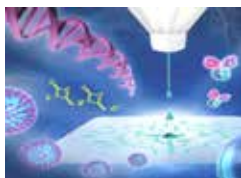
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OC 36: JUAN JOSÉ GARCÍA-GUZMÁN

ADVANTAGES OF THE EMPLOYMENT OF 3-OCTYLTHIOPHENE OVER SONOGEL-CARBON NANOTUBES FOR ION-ELECTRON-TRANSDUCER IN MONITORING OF NA⁺ AND K⁺ FOR PHYSIOLOGICAL SAMPLES

Álvaro Jesús Sainz-Calvo, Marina Jiménez-Rodríguez, Dolores Bellido-Milla, Laura Cubillana-Aguilera, José María Palacios-Santander, Juan José García-Guzmán

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OC 37: CLEMENT PINORINI

A NOVEL IMMUNOSENSING PLATFORM FOR NT-PROBNP QUANTIFICATION IN COMPLEX MATRICES TOWARD EARLY HEART FAILURE DIAGNOSIS

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OC 38: MOHAMED KOURYANI

DEVELOPMENT OF A BIOCHIP ENABLING SURFACE-ENHANCED RAMAN SPECTROSCOPY (SERS) AND SURFACE PLASMON RESONANCE (SPR) FOR THE CHARACTERIZATION OF EXTRACELLULAR VESICLES.

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OC 39: JOSÉ MARÍA PALACIOS-SANTANDER

FROM CLINICAL DIAGNOSTICS TO ENVIRONMENTAL MONITORING: 3D-PRINTED MICROFLUIDIC CELLS FOR SIMULTANEOUS MULTI-ANALYTE DETECTION

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OC 40: CÉLINE ELIE-CAILLE

CHARACTERIZATION OF MESENCHYMAL STEM CELL-DERIVED EXTRACELLULAR VESICLES IN THE CONTEXT OF CELL-FREE BIOTHERAPY.

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OC 41: MARCO FILICE

BIOENGINEERED SCFV BIOINTERFACES ENHANCE SARS-COV-2 DETECTION IN GRAPHENE FET BIOSENSORS BY MODULATING DEBYE SCREENING

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