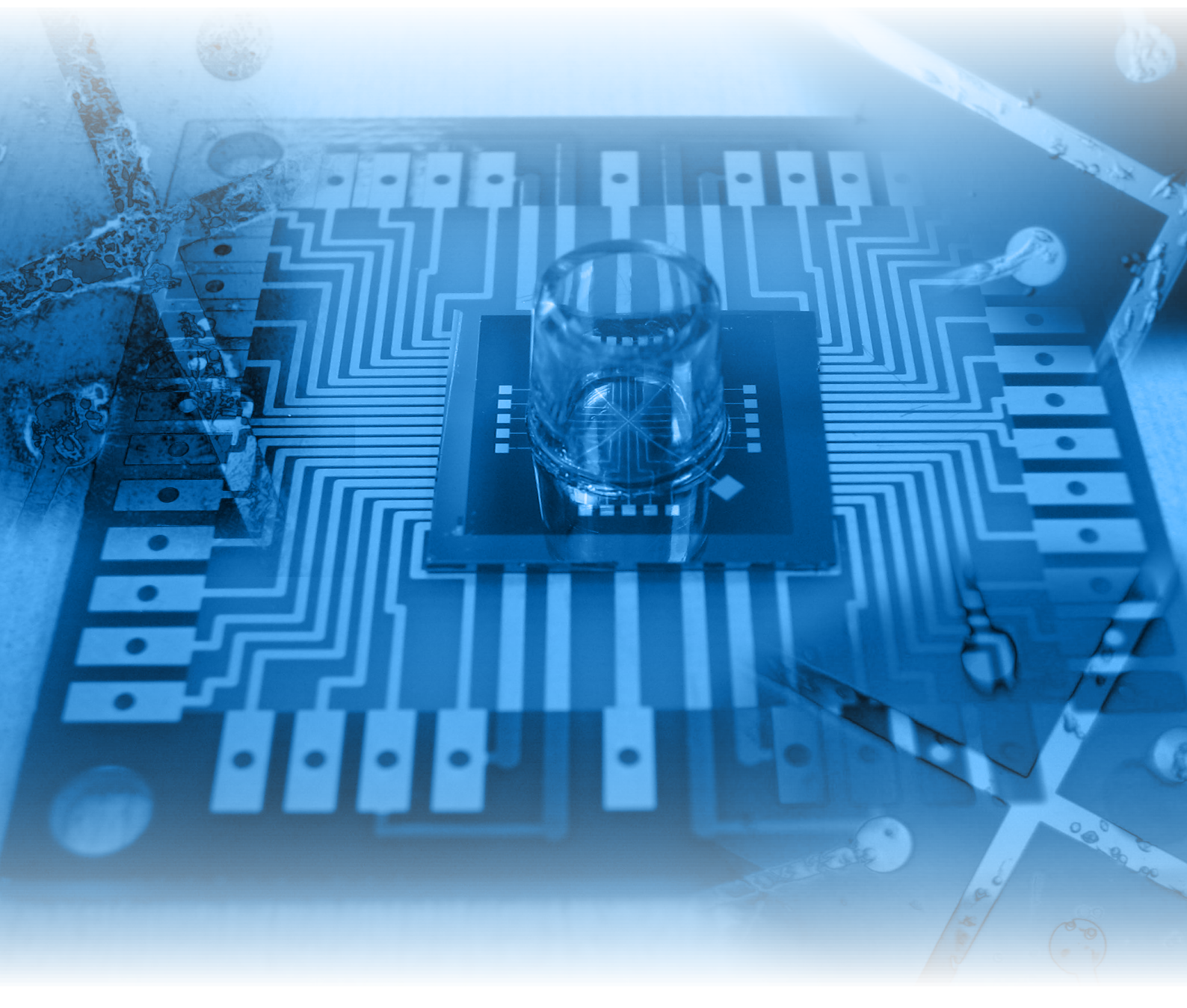


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Scientific Program

5th Euro Biosensors and Bioelectronics Conference

June 30-July 02, 2016 Valencia, Spain



Hosting Organization: Conference Series LLC

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09:00-10:00 Registrations

Valentia C

conferenceseries.com 10:00-10:15

Opening Ceremony

Keynote Forum

10:15-10:30 Introduction

10:30-11:00 Title: **Data analytics, the digital patient and simulation in healthcare**

C Donald Combs, Eastern Virginia Medical School, USA

11:00-11:30 Title: **Optimal reporters for electrochemical detection of protease activity**

Mark Bradley, University of Edinburgh, UK

Networking & Refreshments Break 11:30-11:45 @ Foyer

11:45-12:15 Title: **Magnetic nanoparticles meet microfluidics**

Andreas Hütten, Bielefeld University, Germany

Group Photo

Session Tracks

Biosensors | Types of Biosensors | Biochips & Nucleic Acid Sensors | Bioinstrumentation & Equipments | Photonic Sensor Technologies | Nanotechnology in Biosensors | Biosensing Technologies | Biosensor Applications

Session Chair: Zuzana Bilkova, University of Pardubice, Czech Republic

Session Co-Chair: Valery Pavlov, CIC, Spain

Session Introduction

12:20-12:40 Title: **Alkaline phosphatase or Q dots labeled antibody-based electrochemical biosensors for ultrasensitive tumor markers detection**

Zuzana Bilkova, University of Pardubice, Czech Republic

12:40-13:00 Title: **An electrochemical biochip based on human hepatic drug metabolising enzymes in the presence of graphene and/or AuNps**

Sheila Sadeghi, University of Torino, Italy

13:00-13:20 Title: **A review on surface plasmon resonance and its application as biosensing element**

Ritu Sharma, Malaviya National Institute of Technology, India

Lunch Break 13:20-14:05 @ Aqua Restaurant

Session Chair: Subrayal M Reddy, University of Central Lancashire, UK

Session Co-Chair: Valery Pavlov, CIC, Spain

14:05-14:25 Title: **eDisc – Getting 21st century technology into lab on disc applications**

Dario Mager, Karlsruhe Institute of Technology, Germany

14:25-14:45 Title: **Smart materials: Advances in protein-based molecularly imprinted polymer biosensing**

Subrayal M Reddy, University of Central Lancashire, UK

14:45-15:05 Title: **Enzymatic synthesis and etching in situ of gold and semiconductor nanoparticles in biosensing**

Valery Pavlov, Centro de Investigación Cooperativa en Biomateriales CIC biomaGUNE, Spain

15:05-15:25 Title: **Acoustic and plasmonic biosensors for the detection of different classes of (bio) molecules**

Rodica Elena Ionescu, University of Technology of Troyes, France

15:25-15:45 Title: **New ultra-sensitive measurement method in ampere and voltammetry**

Vladimir Moshkin, "Sib-STRIM" LLC, Tomsk, Russia

Networking & Refreshments Break 15:45-16:00 @ Foyer

16:00-16:20 Title: **Nucleic acid biosensors for the detection of heavy metal ions**

Lingwen Zeng, Wuhan Academy of Agricultural Science and Technology, China

16:20-16:40 Title: **LumiSense - A portable water pollutant monitoring system using whole cell array**

Ji-Yen Cheng, Research Center for Applied Sciences, Taiwan

16:40-17:00 Title: **Conducting polymer composite based on nano-cellulose for biosensing application**

Mahnaz M Abdi, University Putra Malaysia, Malaysia

Panel Discussion

Valentia C

Keynote Forum

- 10:00-10:30 **Title: CYBERTONGUE®, a multiplexed biosensing platform where BRET meets flow - for food diagnostic and other applications**
Stephen Trowell, CSIRO, Australia
- 10:30-11:00 **Title: Amperometric biosensors for cancer marker detection using novel dumbbell-like gold-magnetite nanocomposites**
Ruey-an Doong, National Chiao Tung University, Taiwan
- 11:00-11:30 **Title: Photothermal effect of conjugated polymer surfaces for harvesting of live cell sheets**
Eunyoung Kim, Yonsei University, South Korea

Networking & Refreshments Break 11:30-11:45 @ Foyer

Session Tracks

Bioelectronics | Biosensor Applications | Biochips & Nucleic Acid Sensors | Nanotechnology in Biosensors | Biosensing Technologies | Photonic Sensor Technologies | Biosensors for Medical Applications

Session Chairs: Andreas Hütten, Bielefeld University, Germany

Ruey-an Doong, National Chiao Tung University, Taiwan

Session Introduction

- 11:45-12:00 **Title: Development of modified ferrocenes dna probes for electrochemical SNP sensing**
Holly Roberts, University of Birmingham, UK
- 12:00-12:15 **Title: Ordered DNA fragmentation using soft lithography and amplification for next generation sequencing**
NaHyun Cho, Stony Brook University, USA
- 12:15-12:30 **Title: Parametric electrical modelling of human forearm simulation response using multi-frequency electrical bioimpedance**
Gautam Anand, Auckland University of Technology, New Zealand
- 12:30-12:45 **Title: Role of sympathetic nervous system in rat ovarian ageing**
Maritza P Garrido, University of Chile, Chile
- 12:45-13:00 **Title: DMSA-coated iron oxide nanoparticle greatly affect the expression of genes coding cysteine-rich proteins by its DMSA coating**
Ling Zhang, Southeast University, China
- 13:00-13:15 **Title: Quantifying Skin Stretch induced motion artifact from an Electrocardiogram signal**
Anubha Kalra, Auckland University of Technology, New Zealand

Lunch Break 13:15-14:00 @ Aqua Restaurant

- 14:00-14:15 **Title: Triboelectric effect as a novel tool for the development and application of point-of-care testing devices**
Everson Thiago Santos Geroncio da Silva, State University of Campinas, Brazil
- 14:15-14:30 **Title: Sequence-specific recognition of DNA oligomer by DNA/DNA hybridization in silicon nitride nanopores**
Shengwei Tan, Southeast University, China
- 14:30-14:50 **Title: The use of the speckle dynamics for the quantitative analysis of micro and macro processes in cultured cells: Theory and experiment**
A. P. Vladimirov, Ural Federal University, Russian
- 14:50-15:10 **Title: Preparation and electrochemical characterization of ZnO based disposable urea biosensors**
Sayed Ahmad Mozaffari, Iranian Research Organization for Science & Technology, Iran
- 15:10-15:30 **Title: Ultrasensitive and selective impedance biosensing platform based on nanoporous silicon oxide**
Chirasree Roy Chaudhuri, Indian Institute of Engineering Science and Technology, India

Networking & Refreshments Break 15:30-15:45 @ Foyer

Poster Presentations: 15:45-16:25

- P01 **Title: An amperometric PAMAM G4.0-modified cytochrome P450 biosensor with PAMAM for the concentration-based sensing of caffeine**
Michael Müller, Saarland University, Germany

- P02 **Title: SIGNALMAN: Autonomous in-line biosensors for detection of microorganisms**
Sonia Yadav, Institute of Technology Tallaght, Ireland
- P03 **Title: Study on the effect of electrodeposited palladium nanoparticles to the electrochemical properties of carbon fiber paper electrode**
Chun Lung Lien, National Chiao Tung University, Taiwan
- P04 **Title: Effect of protein layer on the photo-thermal harvesting of cell sheets**
Jongbeom Na, Yonsei University, South Korea
- P05 **Title: All organic triboelectric generator for a self-powered glucose sensor based on an organic electrochemical transistor**
Younghoon Kim, Yonsei University, South Korea
- P06 **Title: Nanostructured platform based on polyaniline/cellulose nanocrystal composite for biosensor application**
Mahnaz M Abdi, University Putra Malaysia, Malaysia
- P07 **Title: Magnetite nanoparticles on paper: A platform for the diagnosis of dengue fever by magnetic -ELISA**
Greter Amelia Ortega Rodríguez, Center for Applied Science and Advanced Technology of IPN, Mexico
- P08 **Title: Surface plasmon resonance sensor based direct target DNA detection via gold nanoparticle signal enhancement without DNA amplification**
Wonhwi Na, Korea University, Korea

Panel Discussion

Awards and Closing Ceremony: 16:25-16:30

Day 3

July 02, 2016

Networking Lunch 12:30...@ Aqua Restaurant



Bookmark your dates

7th Euro Biosensors and Bioelectronics Conference

July 10-12, 2017 Berlin, Germany

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