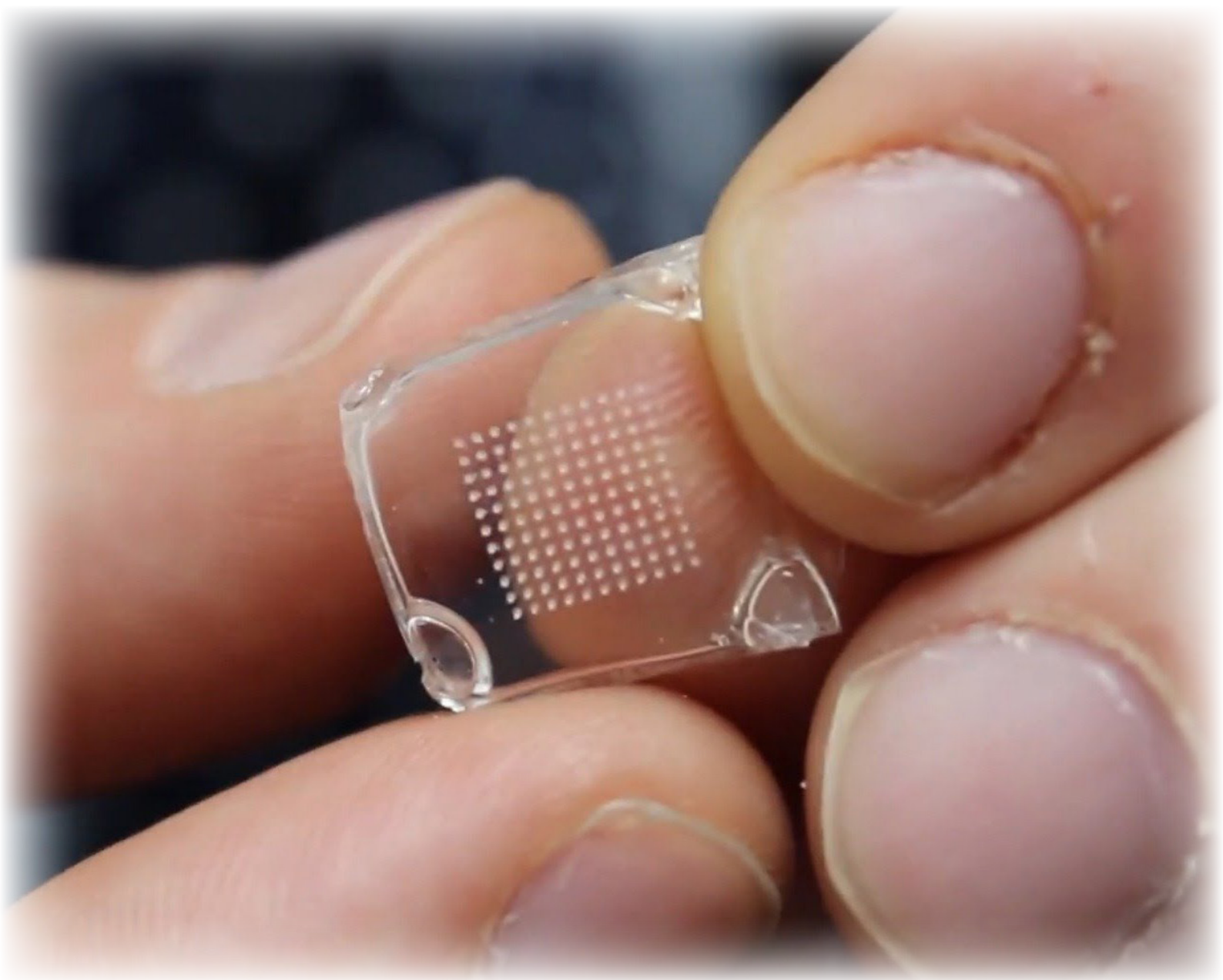


Scientific Program

6th International Conference and Exhibition on

BIOSENSORS & BIOELECTRONICS

September 22-23, 2016 Phoenix, USA



Hosting Organizations: **Conference Series LLC**

2360 Corporate Circle., Suite 400 Henderson, NV 89074-7722, USA

Ph: +1-702-508-5200 Ext: 8042, Fax: +1-650-618-1417, Toll free: +1-800-216-6499

Conference Series Ltd

Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, UK, Tel: +1-800-216-6499

Email: biosensors@conferenceseries.net, biosensors@conferenceseries.com

Scientific Program

Day 1 September 22, 2016

08:30-09:30 Registrations

Hall Name

conferenceseries.com

09:30-09:55

Opening Ceremony

Keynote Forum

09:55-10:00 Introduction

10:00-10:40 Title: **Advances in terahertz spectroscopy nano-scanner and sub-surface 3D imaging for biomaterial**
Anis Rahman, Applied Research & Photonics Inc., USA

Networking & Refreshment Break 10:40-11:00

11:00-11:40 Title: **Biosensors for genes, pathogens, parasites, biomarkers and toxins**
Raj Mutharasan, Drexel University, USA

Session:

Biosensors | Biosensors Applications | Transducers in Biosensors | Bioelectronics | Biosensors for Imaging |
Environmental Biosensors | Gas Sensors

Session Introduction

Session Chair: Mahmoud Almasri, University of Missouri, USA

Session Co-chair: Jeroen De Buck, University of Calgary, Canada

11:40-12:10 Title: **Turning the glucose sensor into a versatile point-of-care platform for the detection of a wide range of biological analytes**

Jeroen De Buck, University of Calgary, Canada

12:10-12:40 Title: **An impedance biosensor for rapid detection of low concentration of escherichiacoli O157:H7**
Mahmoud Almasri, University of Missouri, USA

Group Photo

Lunch Break 12:40-13:30

13:30-14:00 Title: **Translating biosensors to market at the university**
Jeffrey T La Belle, Arizona State University, USA

14:00-14:30 Title: **Shear horizontal surface acoustic wave sensors for rapid detection of enterohemorrhagic escherichia coli**
Justin T Baca, University of New Mexico, USA

14:30-15:00 Title: **Interferometric biosensors for advanced Point-of-Care diagnostics**
Ana Belen Gonzalez-Guerrero, Catalan Institute of Nanoscience and Nanotechnology, Spain

15:00-15:30 Title: **Optical and electrical properties of bacteria were based bio-detector for heavy metals (CdCl₂ and NiCl₂) pollutants**
Al-Shanawa Maytham Abdala Ali, University of Basra, Iraq

15:30-16:00 Title: **Pedot: Pss and gold nanocomposite activated electrochemical sensor for the recognition of fungal DNA**
Sabo Wada Dutse, Hussaini Adamu Federal Polytechnic, Nigeria

Networking & Refreshment Break 16:00-16:20

Young Researchers Forum

16:20-16:40 Title: **Wearable device for pH monitoring in wounds**
Paola Fanzio, Delft University of Technology, Netherlands

16:40-17:00 Title: **Tuning the selectivity of nitrogen doped carbon nanotubes using ionic liquid towards electrochemical sensing of dopamine**
Anju Joshi, Indian Institute of Technology, India

Panel Discussion

Day 2 September 23, 2016

Hall Name

Keynote Forum

10:00-10:40 Title: **Biomedical and environmental sensing applications of lateral wave vector response to refractive index**
Kevin L Lear, Colorado State University, USA

Networking & Refreshment Break 10:40-11:00

11:00-11:40 Title: **Biomaterials as biosensors for microbial biomarkers in human tears and saliva: Proof of concept**
Mouad Lamrani, Menicon Co., Ltd R&D, Geneva, Switzerland

11:40-12:20 Title: **Backscattering interferometry marries aptamer-based assays to enable quantitation of nerve agent metabolites and human cytomegalovirus in urine at clinically relevant levels**
Darryl J Bornhop, Vanderbilt University, USA

12:20-13:10 Workshop on **A to Z of a terahertz spectroscopy and imaging experiment**
by
Anis Rahman, Applied Research & Photonics, Inc., USA

Lunch Break 13:10-14:00

Session:
DNA Chips and Nucleic acid Sensors | Photonic Sensor Technologies | Biosensing Technologies | Bioinstrumentation |
Advancement in Nanotechnology | BioMEMS/NEMS

Session Introduction

Session Chair: Kevin L Lear, Colorado State University, USA

14:00-14:30 Title: **Split deoxyribozyme sensors for highly selective analysis of nucleic acids**
Yulia V Gerasimova, University of Central Florida, USA

14:30-15:00 Title: **Capacitive sensor for respiratory monitoring**
Victoria Wang Yue, Hill-Rom Services Private Limited, Singapore

Young Researchers Forum

15:00-15:20 Title: **The BIOFOS-LoC: Microring resonator based biophotonic system for food analysis**
George Tsekenis, Biomedical Research Foundation of the Academy of Athens, Greece

Networking & Refreshment Break 15:20-15:40

15:40-16:00 Title: **Development toward a multi-marker and label-free platform sensor technology using electrochemical impedance spectroscopy and nanomaterials**
Chi Lin, Arizona State University, USA

16:00-16:20 Title: **Automated single cell arrays based on magnetophoretic circuits**
Roozbeh Abedini-Nassab, Duke University, USA

Poster Session 16:30-17:15

Award Ceremony

Bookmark Your Dates

8th International Conference and Exhibition on

Biosensors & Bioelectronics

September 27-29, 2017 Chicago, USA

Website: www.biosensors.conferenceseries.com

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Conference Series LLC
2360 Corporate Circle, Suite 400
Henderson, NV 89074-7722, USA
Ph: +1-888-843-8169
Fax: +1-650-618-1417
america@conferenceseries.com

Conference Series Ltd
Heathrow Stockley Park Lakeside
House, 1 Furzeground Way
Heathrow, UB11 1BD
United Kingdom
europe@conferenceseries.com

OMICS International
6th Floor, North Block
Divyasree Building, Raidurg Hyderabad
Telangana, INDIA-500032
Tel: +91-40-33432300
asiapacific@conferenceseries.com

Toll free
USA & Canada: +1-800-216-6499
Australia: +1-800-651-097
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