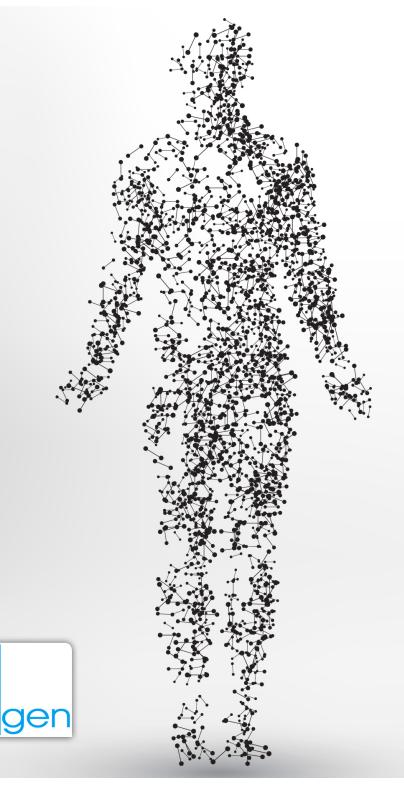
10th International Conference and Exhibition on

# BIOSENSORS & BIOELECTRONICS

September 21-22, 2018 | Dallas, USA



# Day 1 September 21, 2018

## **Conference Hall: Franklin**

08:30-9:30 Registrations

## 09:30-09:50 Opening Ceremony

Kev	no	te	Fo	ľU	m

09:50-10:00 Introduction

10:00-10:45 Title: RF/Bio MEMS Transducers for microsystems-on-a-chip

Jing Wang, University of South Florida, USA

Panel Discussion

Networking & Refreshment Break 10:45-11:00

11:00-11:45 Title: Screening a cancerous cell with terahertz multispectral imaging

Anis Rahman, Applied Research & Photonics, Inc., USA

## Group Photo 11:45-12:00

#### Workshop

Title: Aptamers for quantitative sensing of small molecules using graphene biosensors and Surface enhanced Raman spectroscopy

Bill Jackson, Base Pair Biotechnologies, USA

Lunch Break 13:00-13:45

#### **Exhibitor Presentation**

13:45-14:20 G Thomas Caltagirone, Aptagen LLC, USA

Sessions: Biosensors | Biosensors Applications | Transducers in Biosensors | DNA Chips and Nucleic Acid Sensors | Bioelectronics | Photonic Sensor Technologies | Biosensing Technologies

Session Chair: Jing Wang, University of South Florida, USA

Session Co-chair: Tom Zimmermann, Michigan State University, USA

Session Introduction

Title: Automation of biotechnological bioreactor production processes

Tom Zimmermann, Michigan State University, USA

Title: Wireless power transmission to medically implantable device using magnetic wire 14:55-15:30

Yasushi Takemura, Yokohama National University, Japan

Networking & Refreshment Break 15:30-15:45

Title: Sensory neurons cultured on microelectrode arrays as label-free, non-invasive biosensors for novel analgesic discovery

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Bryan J Black, University of Texas, USA

#### **Panel Discussion**



# **Day 2 September 22, 2018**

## **Conference Hall: Franklin**

## **Keynote Forum**

10:00-10:45 Title: Applications of metallic nanoparticles in biosensors and bioelectronics

Mahi R Singh, University of Western Ontario, Canada

Networking & Refreshment Break 10:45-11:00

Sessions: Biosensors for Imaging | Environmental Biosensors | Bioinstrumentation | Advancement in Nanotechnology | BioMEMS/NEMS | Gas Sensors | Bioengineering Applications

Session Chair: Tom Zimmermann, Michigan State University, USA

Session Introduction

11:00-11:35

Title: Inkjet printed 2D biocompatible photodetector for biosensing applications
Ridwan Fayaz Hossain, University of North Texas, USA

## **Video Presentation**

11:35-12:10

Title: Fabrication of porous scaffold in tissue engineering
Peng-Sheng Wei, National Sun Yat-Sen University, Taiwan

Title: Exo-III assisted amplification strategy through target recycling of Hg<sup>2+</sup> detection in water: A GNP based label-free colorimetry employing T-rich hairpin-loop metallobase

Abdul Ghaffar Memon, Tsinghua University, China

## **Poster Presentation**

## Poster Judge: Jing Wang, University of South Florida, USA

12:10-12:40

**BBPP 01** 

Title: Application of MEMS cantilevers in the label-free single analyte detection to improve quality-factor

Anupama Aili, University of Texas, USA

Title: Beyond Mechanics - Directing an integrated gameplay experience

Maryam Imani, Alzahra University, Iran

Title: Ultrasensitive Immunosensor platform for TNF-æ cytokine detection using

BBPP 03 magnetic nanoparticles film electrodes in artificial

Barhoumi Lassaad, University of Sousse, Tunisia

Title: Greenhouse effect: Greenhouse gases and their impact on global warming

Williams Kweku Darkwah, Hohai University, China

Title: Inkjet printed 2D biocompatible photodetector for biosensing applications

BBPP 05

Ridwan Fayaz Hossain, University of North Texas, USA

## Lunch Break 13:00-13:45

## Awards & Certificates Felicitation 13:35-14:00

## **Networking 1-1 Meeting 14:00-16:00**

NOI	Jing Wang, University of South Florida, USA
N 02	George W Jackson, Base Pair Biotechnologies, USA
N 03	Mahi R Singh, University of Western Ontario, Canada
N 04	Tom Zimmermann, Michigan State University, USA
N 05	<b>Yasushi Takemura</b> , Yokohama National University, Japan
N 06	Peiwei Han, Beijing Shiji Sci.&Tech Company, China
N 07	Mehran Mojarrad, Amgen Inc., USA

#### The internal internal

N 08 Marie-Jose Belanger, National Institutes of Health/CSR, USA

## Together To Build A Network

## **Panel Discussion**