

17<sup>th</sup> World Summit on  
**Biosensors and Bioelectronics**

**Day 1 December 05, 2022**

09:00-09:30 Registrations Open

Meeting Room 1

conference**series**.com

09:30 - 09:45

**Opening Ceremony**

09:30-09:45 Introduction

**Keynote**

09:45-10:30 **Title: Ultrasensitive Biodetection of Worldwide Pathogens: From Classical Methods to Advanced Biosensing Technologies**

Rodica E. Ionescu, University of Technology of Troyes, France

10:30-11:15 **Title: Investigating Surface Modification of Silicon Nanowire Field-Effect Transistor Biosensors to Quantify Cardiac Troponin I at High Resolution for Early-Stage Diagnosis of Acute Myocardial Infarction**

Wen-Yih Chen & Cao-An Vu, National Central University, Taiwan

Networking and Refreshments Break & Group Photo 11:15 - 11:30@Foyer

Sessions : Biosensors & Bio-sensing Technologies | Biosensor Applications | Bioelectronics | Biosensors for Imaging | Nanotechnology | Biosensors for Environmental Monitoring | Nanotechnology in Advance Batteries

**Session Introduction**

11:30-12:00 **Title: For Battery Technology to be Truly Sustainable, Battery Materials Need to be Sustainably Sourced**

Karan K Rathi

12:00-12:30 **Title: Plasmonic-fluor Enhanced Minimally Invasive Microneedle Patches to Sample Interstitial Fluid for Biomarkers of Health and Disease**

Jeremiah J. Morrissey & Patricia J. Morrissey, Siteman Cancer Center, USA

12:30-13:00 **Title: Advanced Manufacturing of Hybrid Nanocomposite Materials for Nano Biosensor Applications**

Ramona (Haniyeh) Fayazfar, Ontario Tech University, Canada

Lunch Break 13:00 - 14:00@Foyer

14:00-14:30 **Title: Plasmonically-enhanced Ultrasensitive Epitope-Specific Serologic Assay for Antibodies to SARS-CoV-2 spike Protein in Patient Plasma**

Jeremiah J. Morrissey & Patricia J. Morrissey, Siteman Cancer Center, USA

14:30-15:00 **Title: Metal-Oxide Heterojunction Field-Effect Transistor Biosensor for Glucose Sensing in Biological Fluid**

Abhinav Sharma, King Abdullah University of Science and Technology, Saudi Arabia

15:00-15:30 **Title: Development of an Inexpensive and Rapid Diagnostic Method for the Detection of Anti-Sars Cov 2 Antibodies, Towards a Point-Of-Care Biosensor**

Fiordelisio Coll T, Universidad Nacional de Autónoma de México, Mexico

15:30-16:00 **Title: Diagnostic in Vivo Assay of Covid-19 Virus by using Synthesized Carbonnanotube Mimic Skin Tattoo Sensor**

Jeannette Sahnghee Kim, Korea University Anam Hospital, Republic of Korea

16:00-16:30 **Title: COMMUNITY CME**

Nicholas Abson

16:30-17:00 **Title: Designing Solid Polymer Electrolytes and Electrodes for Structural Batteries**

Eunice Cunha & Natália Magalhães, INEGI, Portugal

**Coffee Break Followed by Award Cermony@17:00**

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