

TENTATIVE PROGRAM

International Conference on Biosensors & Bioelectronics

May 13-14, 2024

**Venue : Ibis Paris 17 Clichy-Batignolles,
Address : 10 Rue Bernard Buffet - 75017 Paris - France**



SCIENTIFIC PROGRAM May 13

Day 1

Registration Opens 09:00–09:45

Opening Ceremony 09:45–10:00

Keynote presentation

- 10:00–10:45** **Advanced bacteria detection technologies and biosensors for potential applications in point-of-care testing**
Shunbo Li, Chongqing University, China
- 10:45–11:30** **Automated Environmental Sampler and Laboratory-on-a-Chip to Enhance Monitoring for Toxic Algae**
Linda K. Medlin, Marine Biological Association of the UK, UK

Networking & refreshments break 11:30–11:45

Oral session 1

Biosensors & bio-sensing technologies | Nano biosensors & nano sensors | Bioelectronics & nano-bioelectronics | Microfluidics- technology & healthcare

Session chair: Shunbo Li, Chongqing University, China

- 11:45 – 12:15** **How to make implants smarter**
Dieter Ulrich, Helbling Technik, Switzerland
- 12:15 – 12:45** **Multi-Spatial Intra-Operative Monitoring of Neurochemicals and Metabolics in Rodents and Nonhuman Primates using Microelectrode Arrays**
G A Gerhardt, University of Kentucky, USA
- 12:45–13:15** **Roadmapping for microfluidics**
Henne van Heeren, Microfluidics Association, Netherlands

Lunch Break (13:15–14:00)

Oral session 2

Bioelectronics & wearable sensors | Electrochemical biosensors | Advanced bioelectronic

Session chair: Dieter Ulrich, Helbling Technik, Switzerland

- 14:00–14:30** **Development of an Electrochemical-Based Gold Decorated Reduced Graphene Oxide Sensor for Interstitial fluid Dissolved Oxygen Monitoring**
Elisa Rasouli, Nanyang Technological University, Singapore
- 14:30–15:00** **Assessing Physiological Synchrony in Virtual Workspaces: A Biosensor-Based Approach**
Miguel Alejandro Reyes-Consuelo, Université Laval, Canada
- 15:00–15:30** **A centrifugal-based nucleic acid test with the immiscible filtration technique**
Chih-Hsin Shih, Feng Chia University, Taiwan
- 15:30–16:00** **Passive microfluidic production of multiple emulsions**
Adam S. Opalski, Institute of Physical Chemistry, Poland

Tea & coffee break (16:00–16:30)

Poster presentation

- 16:30–17:00** **Microfluidic chip for efficient bacteria capture and**
Li Chen, Chongqing University, China

Poster slots available

Group photo & panel discussion

Day 1 closing

SCIENTIFIC PROGRAM May 14

Day 2

Keynote forum

- 10:00-10:45** **Biosensing membrane and device for online monitoring of blood indices**
Zhenyu Chu, Nanjing Tech University, China
- 10:45-11:30** **Quantum dot-labeling for single virus tracking in live cells**
Zongqiang Cui, Wuhan Institute of Virology, China

Refreshment break (11:30-11:45)

- 11:45-12:15** **Generation of in vitro 3D hepatic tumor model for discovery of novel therapeutics**
Ting-Yuan Tu, National Cheng Kung University, Taiwan
- 12:15-12:45** **Microfluidic and sensing tools for immunotherapy**
Francesco Ferrara, Institute of Nanotechnology, Italy
- 12:45-13:15** **Simultaneous Detection of AFP, CEA and CA19-9 in Whole Blood on an Integrated SESR Microfluidic Chip**
Y. Xu, Chongqing University, China

Lunch break (13:15- 14:00)

Few speaker slots available

Panel discussion & award distribution

Closing ceremony