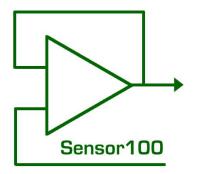
Post Conference Summary



Sensors in Medicine 2016

Organised by:



The international network of people and organisations active in the development and commercialisation of bio- and chemo-sensors

www.Sensor100.com

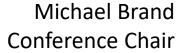
Welcome

The Fourth Annual **Sensors in Medicine** Conference took place in the London Docklands on 9-10 November 2016. If you came to the Conference, we hope you found it an enjoyable and useful event. This short presentation will serve as reminder of the Conference, and its outstanding speakers.

If you were not a delegate at SiM16, this presentation will give you a taste of what happened, and perhaps encourage you to join us at SiM17 next October.

I would like to express my thanks to the speakers, exhibitors, and the many people behind the scene who made the Conference the success it was.

Join us at **Sensors in Medicine 2017** 3-5 October 2017.





Program

	Wednesday 9 th November	Thursday 10 th November
08:30	Registration	Registration
09:00	Introduction and Welcome	Introduction and Welcome
09:10	Keynote address	Keynote address
10:00	Session: Infectious Diseases	Session: Clinical Applications
13:00	Lunch	Lunch
14:00	Session: Advanced Technology	Session: New Technology
17:00	Panel Discussion	Conference Ends
18:00	Networking Reception	
20:30	Reception Ends	

Venue

DoubleTree by Hilton Hotel

London - Docklands Riverside



Situated across the River Thames from London's thriving Canary Wharf development, the Docklands Riverside provided an outstanding venue for Sensors in Medicine 2016.

Located in a restored warehouse, the Docklands Riverside combines ultra-modern facilities with historic ties to the era when the River Thames was main trading route to London. The hotel is conveniently located for London City Airport, with connections to most major European cities.



Keynote Address

High-precision microfluidics for portable

immunodiagnostics: What do we have

and what is

missing?



Yuksel Temiz

IBM Research - Zurich



Technical Session

Infectious Diseases



Chair: **Dr. Michael Brand** Sensor100

Rapid Diagnostic Tests for Antimicrobial Resistance (AMR)

Chronic Wound Care Programme

- Development of a an easy-to-use, portable medical device that can be readily applied to diagnose and treat chronic wounds in a clinical environment and in the community.
- University of Edinburgh, NHS Lothian, Zisys Ltd. research provider
- Aim: Molecular MRSA detection from clinical specimen without PCR

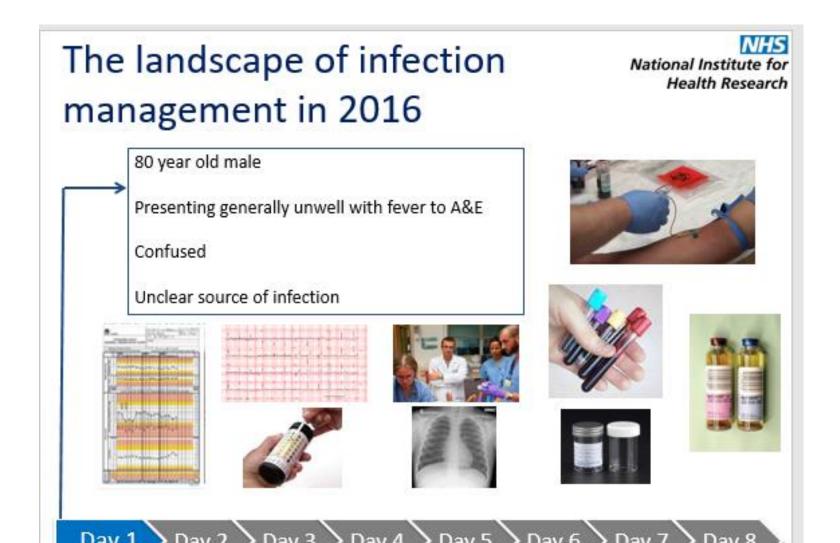






Dr Till BachmannUniversity of Edinburgh

Enhanced, Personalised and Integrated Care for Infection Management at the Point-of-Care





Dr Timothy RawsonImperial College

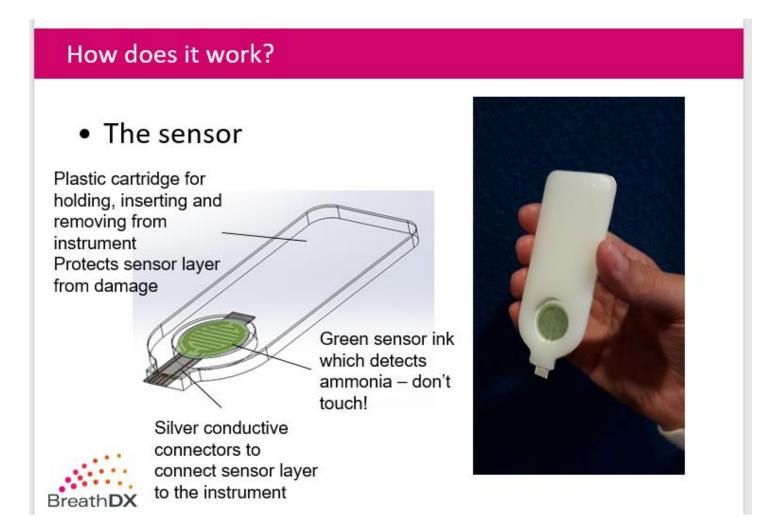
DeskTop Biology-Translation from Lab to Desktop





Dr Giles SandersThe Technology Partnership

Non-Invasive Point-of-Care Breath Diagnostic Technology: From Research to Commercialisation





Prof Anthony Killard
University of the
West of England

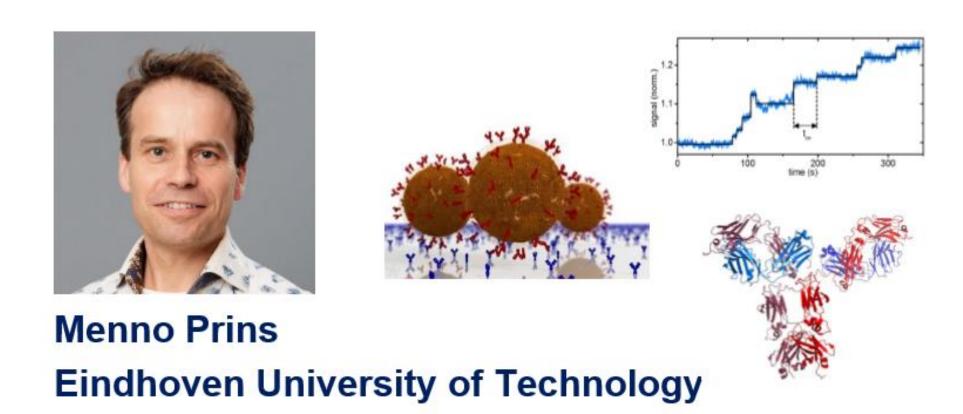
Technical Session

Advanced Technology

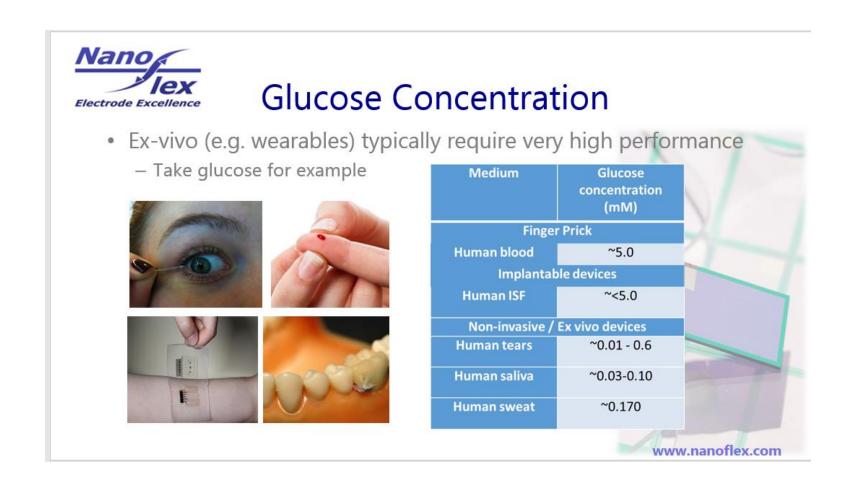


Chair: **Dr. Michael Pringle**Principal, Clinical
Diagnostics Solutions

Biosensing based on particles and single-molecule methods



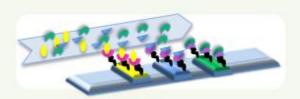
Electrochemical Sensing for Point of Care, Implantable and Wearable Diagnostic Devices





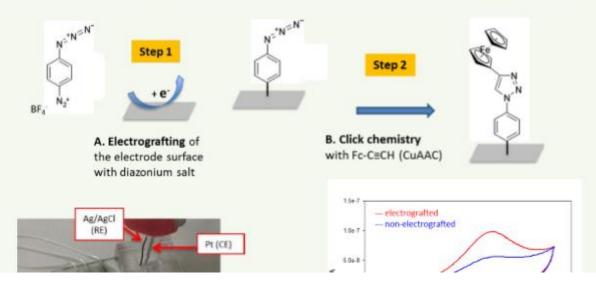
Dr Marcus Swann Nanoflex

Surface Functionalization of Thin Layer Platinum Microbands for Customized Microsystems



Towards a SElective Solid phAse Microextraction (SESAM) device

Modification strategy: Electrografting + CLICK CHEM on surface





Dr. Laura Gonzalez-Macia PSL Research University laura.gonzalez@chimieparistech.fr









Acoustic Holograms

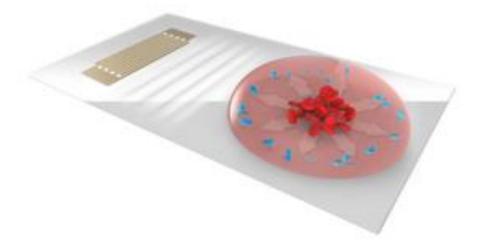
Acoustic Holograms - Creating Unique Flows & Functions in Microfluidics

Professor Jon Cooper, FRSE, FREng The Wolfson Chair of Bioengineering The University of Glasgow









Molecular Diagnostic Platforms for Early Detection of Prostate Cancer from Liquid Biopsies

Imperial College London

Our Target: Circulating micro RNAs

Need for reliable, highly sensitive, specific and quantitative sensing technology Secretion in body fluids (saliva, serum, plasma...)

Ideal for minimally invasive diagnosis

BUT

- Low concentration in these cell-free fluids
- miRNAs have very similar sequences



Dr Sylvain Ladame Imperial College

Panel Discussion: Healthcare in 2036

– Will Sensor Technology Have a Role?



Dr. Michael BrandSensor100 *Chair*



Dr. Giles Sanders TTP



Dr. Till BachmannUniversity of Edinburgh

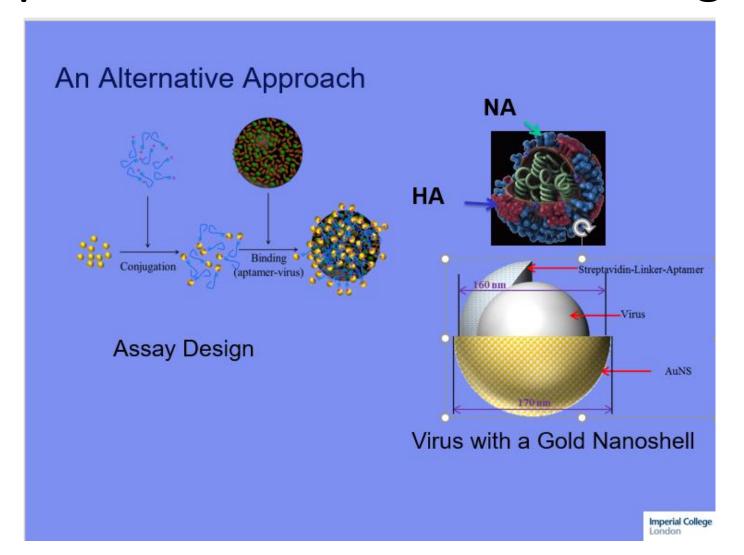


Dr. Yuksel TemizIBM Research, Zurich



Prof. Tony CassImperial College,
London

Keynote Address: Engineering Nucleic Acid Aptamers for Molecular Sensing





Prof Tony CassImperial College

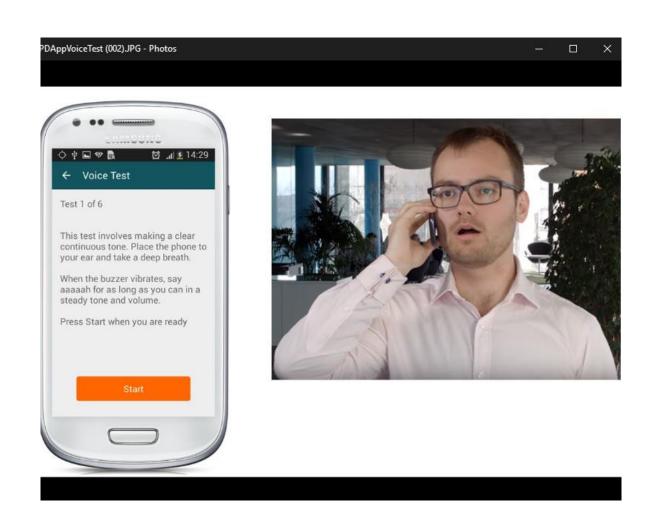
Technical Session

Clinical Applications



Chair: **Prof. Jon Cooper** University of Glasgow

Use of a Smartphone Voice Test as Digital Biomarker in a Parkinson's Disease Clinical Trial

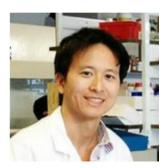




Dr. Detlef WolfF. Hoffmann-La Roche AG

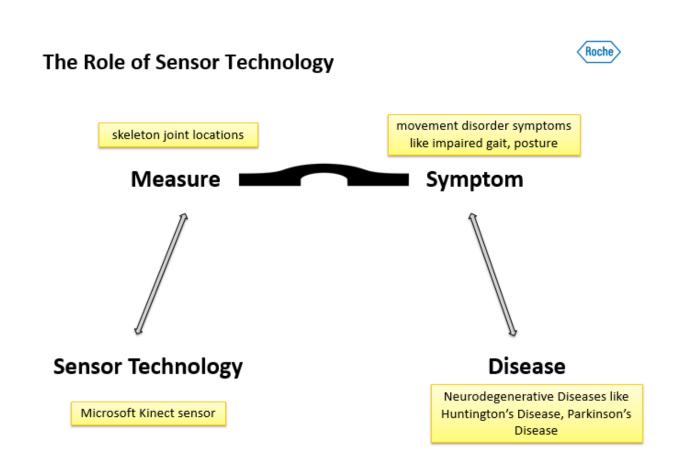
Optical Detection for Point of Care Testing in Medicine





Dr MengHan KuokCamTech

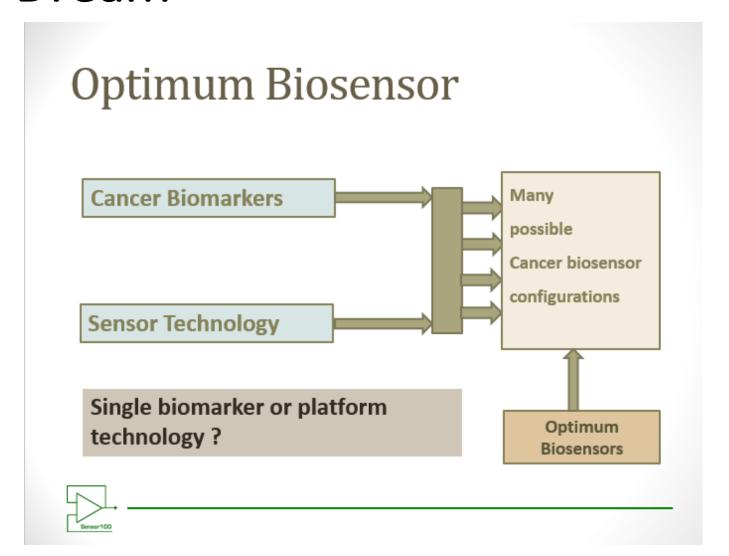
Assessment of Gait and Balance Characteristics Using Kinect Sensor to Understand Movement Disorder





Dr. Xing Chen F. Hoffmann-La Roche AG

Biosensors for Cancer Diagnosis – Reality or Dream





Dr Michael BrandSensor100

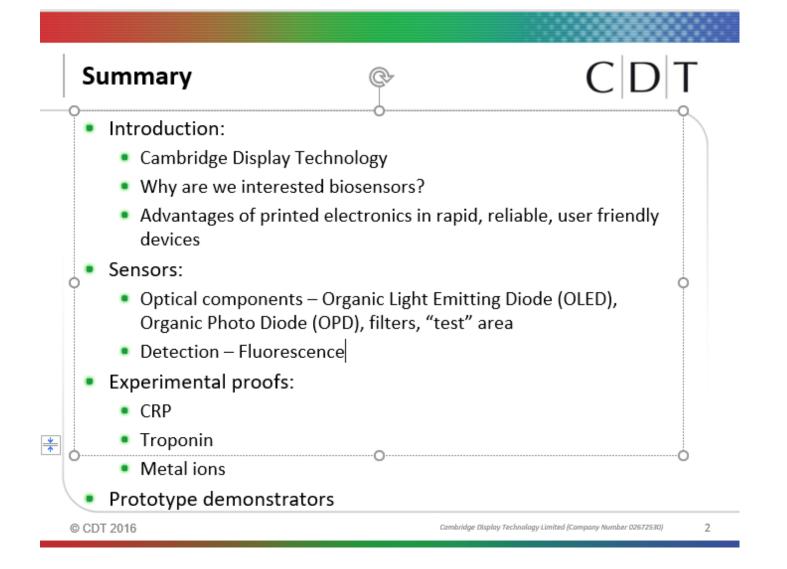
Technical Session

Advanced Technology



Chair: **Dr. Michael Brand** Sensor100

Printed Electronic Biosensors





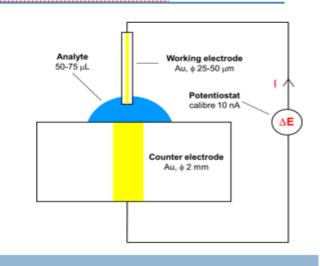
Simon CassCambridge Display Technology

Amperometric Detection in the Femtomolar Range Using Two-Electrodes and Ultramicroelectrode



BIOSENSORS: AN ERGONOMIC

MINIATURIZED TWO-ELECTRODE SETUP









Wearable and Smartphone Technologies: What can they tell about your health?





Dr Michael PringleClinical Diagnostics Solutions

Sensors in Medicine 2016 Sponsors







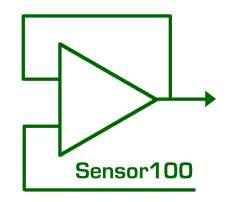












Sensors in Medicine 2016 Media Partners





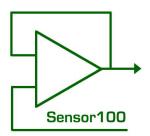








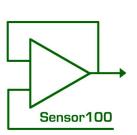












Sensors in Medicine 2017

Linking Academic, Clinical and Commercial Worlds

Tuesday 3 rd October	Sensors for glucose monitoring & diabetic care		
Wednesday 4 th October	Sensors for infectious disease diagnosis & PoC technology		
Thursday 5 th October	Sensors for cancer diagnosis		

Exhibits | Poster Competition | Panel Discussions | Networking Receptions

Register for any one, any two or all three days

Call for Papers open

Register Now!

Venue

Holiday Inn London

– Kensington Forum

97 Cromwell Road

London SW7 4DN



About Sensor100

- The international network of people and organisations active in development and commercialisation of bio- and chemo- sensors
- Formed in 2011, now has over 3000 members in over 70 countries
- Publishes a monthly eNewsletter, distributed free of charge
- Conference series:
 - Sensors in Medicine
 - Sensors in Food and Agriculture
 - Sensors for Cancer Diagnosis
 - Sensors in the Environment

Join the Mailing List to receive the free monthly eNewsletter and get updates on the Conference programs

www.sensor100.com

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e: info@sensor100.com

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