



Emerging and Disruptive next-GEneration Technologies for POC:

Sensors, Chemistry and
Microfluidics for Diagnostics

Online workshop
26th - 31st October 2020



EDGE-Tech Programme

26th October 2020

On the web platform

Dr. Francesco Ferrara

STMicroelectronics

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Welcome remarks

Dr. Maria Serena Chiriaco

CNR NANOTEC—Institute of Nanotechnology of
Consiglio Nazionale delle Ricerche, Lecce, Italy

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SMILE project: SAW-MIP Integrated device for oral
cancer Early detection

Chairman: Dr. Maria Serena Chiriaco

h. 11.00 (CET)

Professor Ibrahim Abdulhalim

Ben Gurion University of the Negev, Beer Sheva,
Israel

abdulhlm@bgu.ac.il

Portable surface plasmon resonance sensor with
self-referencing, tunable penetration depth and
ultrahigh enhancement of fields suitable for point
of care applications.

h. 11.45 (CET)

Professor Zulfiquar Ali

Healthcare Innovation Centre, Teesside University,
Middlesbrough, TS13BX, UK

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Microfluidics for novel diagnostics and
therapeutics

h. 12.30 (CET)

Dr. Romain Muller

CERN, Switzerland

r.muller@cern.ch

What we learned from the ATTRACT Phase 1
project?

27th October 2020

Chairman: Dr. Francesco Ferrara

h. 10.15 (CET)

Professor Luisa Torsi

Chemistry Department Università degli Studi
di Bari "Aldo Moro" Bari, Italy

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Ultimately sensitive potentiometric organic
bioelectronic sensors

h. 11.45 (CET)

Dr. Francesco Canfarotta

MIP - Diagnostics, UK

francesco.Canfarotta@mip-dx.com

Introduction to MIP Diagnostics

Chairman: Dr. Elisabetta Primiceri

h. 12.30 (CET)

Professor Andrea Zattoni

Department of Chemistry G. Ciamician
University of Bologna, Italy

andrea.zattoni@unibo.it

Selector: the cell chromatography

h. 14.30 (CET)

Dr. Michael Bassler

Fraunhofer Institute for Microengineering and
Microsystems IMM, Mainz, Germany

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Microfluidic System for the Isolation of
Single Circulating Tumor Cells from 7.5 mL
of Human Blood

POSTER SESSION and TALKS
AVAILABLE DURING
THE ENTIRE WORKSHOP