



TENTATIVE ONLINE PROGRAM (as of 04/05/2020)



P: Plenary / K: Keynote lecture / I: Invited Lecture / FP: FlashPoster contribution



Wednesday (06/04/2020)

09:00 – 09:20: *Opening - Welcome and Introduction*

Antonio Correia – President (Phantoms foundation, Spain)

Rosa Menéndez – President (Spanish National Research Council / CSIC, Spain)

Arben Merkoçi – (ICREA / ICN2, Spain)

09:20 – 09:50: **Christophe Junot** (CEA, France) K

Rapid diagnostic tests to fight against COVID-19 pandemics: challenges and opportunities

09:50 – 10:30: **Dean Ho** (NUS, Singapore) P

Harnessing Digital Medicine and AI to Optimize Combination Therapy for Infectious Diseases

10:30– 10:50: *Break*

10:50 – 11:30: **Aydogan Ozcan** (UCLA, USA) P

Computational Microscopy and Sensing

11:30 – 12:00: **Jing Wang** (ETH Zürich, Switzerland) K

Plasmonic Biosensors for Ambient Viruses and Bacteria

12:00 – 12:20: **FlashPoster Session**

12:00 – 12:05: **Vincent Bouchiat** (Grapheal, France)

Graphene-on-Polymer for disposable biosensors FP

12:05 – 12:10: **Estela Climent Terol** (Bundesanstalt für Materialforschung und -prüfung (BAM), Germany) FP

Antibody-gated indicator releasing mesoporous materials: a potential biosensor platform for rapid diagnostic tests

12:10 – 12:15: **Sophie Mavrikou** (Agricultural University of Athens-ELKE, Greece) FP

A rapid and sensitive bioelectrical biosensor for the detection of the SARS-CoV-2 S1 spike protein based on membrane-engineered cells.

12:15 – 12:20: **Christiano de Matos** (MackGrappe/Mackenzie University, Brazil) FP

Optofluidic fiber platform for molecule sensing

12:20 – 12:35: **Lars Montelius** (INL, Portugal) I

INL Covid-detection projects and strategies

12:35 – 14:00: *Lunch Break*

14:00 – 14:30: **Arben Merkoçi** (ICREA / ICN2, Spain) K

Paper-based nanobiosensors as point of care for pathogens detection

14:30 – 15:00: **Laura M. Lechuga** (ICN2 / CSIC, Spain) K

CoNVat Project: Advanced Nanobiosensing Platforms for Point-of-care diagnostics and surveillance of coronavirus

15:00 – 15:20: **Jahir Orozco Holguin** (Universidad de Antioquia, Colombia) I

Electrochemical biosensors for pathogen detection

15:20 – 15:50: *Break*

15:50 – 16:20: **Firat Guder** (Imperial College London, UK) K

Disposable Silicon-based Micro-qPCR for Rapid Detection of Pathogens

16:20 – 17:00: **Chenzhong Li** (Florida International University, USA) P

Perspectives of Biosensors Integrated Point of Care Testings for Personalized Screening of Coronavirus Disease

17:00 – 17:40: Round Table

17:40– 17:45: Closing