

MNBS Workshop Programme

Day 1 – Tuesday 12th Dec 2017

Projects Innovation Session – Part I 1h 45m incl. Q&A

- 10' **Keynote** – Setting the scene, *EC*
- 10' **ANGELab** - Non-invasive diagnostics based on LabonaChip systems, *Jesus Ruano-Lopez (Success Story)*
- 10' **Hyposens** - Nano-confined photonic system for detection of breast cancer spread to the lymph nodes, *Passarello or Mitjans*
- 10' **inSPECT** - Integrated Spectrometers for Spectral Tissue Sensing, *Jean Schleipen*
- 10' **BIOCDx** - A miniature Bio-photonics Companion Diagnostics platform for reliable cancer diagnosis and treatment monitoring, *Ioanna Zergioti + BIOFOS*
- 10' **SniffPhone** - Non-invasive Disease Diagnosis Using Wearable Technologies, *Haick Hossam*
- 10' **MEDILIGHT** - Developments towards a miniaturized smart system for light stimulation and monitoring of wound healing, *(tbc)*
- 10' **SMARTDIAGNOS** – An EU Horizon 2020 innovation project to develop a new generation of fully integrated PCR-based infection diagnostics, *Anders Wolff*
- 10' **LiqBiopSens** – Detection of KRAS and BRAF mutations in colorectal cancer using blood liquid biopsy, *Juan J. Diaz Mochon*
- 10' **InForMed** – An integrated pilot line for medical devices –SMART CATHETERS, covering the complete innovation chain from technology concept to system qualification, *Ronald Dekker (tbc)*
- R.L **MADIA** - Magnetic Diagnostic Assay for neurodegenerative diseases, *tbc*

Projects Innovation Session – Part II 1h 45m incl. Q&A

- 15' **Keynote: One Health (DMC-MALVEC & DIAGORAS)** - Interfacing human diagnostics with vector control towards a holistic healthcare approach against infectious diseases, *Konstantinos Mitsakakis*
- 5' **AllerScreening** - Point-of-care device based on KETs for diagnosis of food allergies, *Araceli Diaz Perales (tbc)*
- 10' **PhasmaFOOD** - Portable photonic miniaturised smart system for on-the-spot food quality sensing, *Paraskevas Bourgos*
- 10' **PROTEUS** - Carbon nanotubes approach in water quality monitoring, *Nicolas Giunta*
- 10' **LoveFood2Market** – A portable MicroNanoBioSystem and Instrument for ultra-fast analysis of pathogens in food: Innovation from lab prototype to pre-commercial instrument, *Electra Gizeli*
- 10' **SOCKETMASTER** – Development of a Master Socket for optimised design of prosthetic socket for lower limb amputees, *Jianxin Gao*
- 10' **Phocnosis** - Advanced nanophotonic point-of-care analysis device for fast and early diagnosis of cardiovascular diseases
- 10' **SAPHELY** - Self-amplified photonic biosensing platform for microRNA-based early diagnosis of diseases, *Jaime Garcia-Ruperez*
- 15' **SMARTER-SI** - Smarter Access to Manufacturing for Systems Integration, *Eric Moore*
Smart system for cell and tissue culture with integrated electrode for TEER measurements, *Guy Voirin*
- 10' **A framework for multi-stakeholder/ecosystem driven innovation** - Results from InSSIght, *Mark de Colvenaert*

Day 1 Evening Session 17:00 – 18:00

InSSIght Workshop : An ecosystem view on Micro Nano Bio Systems

1h

Parallel Session	Interactive discussion on multi-stakeholder, cross-discipline, interregional innovation
60'	Coffee Table approach: 2 tables, 1 topic per table, participants rotate between tables, creative approach which allow for structured discussion

Day 2 – Wednesday 13th Dec 2017

Ecosystems and key innovation MNBS issues

1h 30m incl. Q&A

The TRL loop of innovation, Technology Assessment (HTA)	Dr. Furio Gramatica (FDG)
Regulation, Standards	Petra Weiler (VDI/VDE-IT) on Standardisation of MNBS Building Blocks for manufacturing
Multi-stakeholder innovation & SMEs	<i>Speaker(s) tbc</i>
User perspective and real-life implementation on MNBS	<i>Speaker(s) tbc</i>
European Developments on Organ-on-a-Chip	Janny van den Eijnden (hDMT)

Future Challenges and Opportunities

1h 30m incl. Q&A

DEI (Digitising European Industry)-DSM (Digital Single Market)	Smart Anything Everywhere and Digital Innovation Hubs - Rainer Günzler (Hahn-Schickard)
Cross KET innovation for Healthcare	<i>Speaker(s) tbc</i>
EPoSS ETP & ECSEL/IMI JUs	ECS Common SRIA, chapters on Health, Smart Systems Integration and MNBS – Renzo dal Molin (Cairdac)
InSSIght Workshop Results	Summary of results – Mark de Colvenaert (DSP Valley)
Ongoing EC initiatives and WP18-20	MNBS Funding opportunities – (EC)
Future strategic collaborations for MNBS	AIOTI WG Wearables and AAL – Helmi Ben Hmida (Fraunhofer IGD) (tbc) and Internet of Food and Farm 2020 – Cor Verdouw (Wageningen UR)

Panel Discussion