

PSIS workshop – Organ on Chip – Agenda

April 28-29 2021

DAY 1

PLENARY

14:00 - 14:10

Get settled in

MODERATOR: Maurice Whelan (EC JRC)

14:10 - 14:30

Welcome and opening

Stephen Quest (EC JRC Director General); Ruggero Lenzi (CEN Vice President Technical)

14:30 - 15:00

The present and future of Organ on Chip

Janny van den Eijnden-van Raaij (EUROoCS)

15:00 - 15:30

What are standards and what are they good for?

Lena Morgan (SIS and CEN Advisory Board for Healthcare Standards)

15:30 - 15:45

BREAK

15:45 - 16:15

Standardisation in the pharmaceutical industry

Marian Raschke (Bayer)

16:15 - 16:45

Standardisation opportunities for OoC

Monica Piergiovanni (EC JRC)

16:45 - 16:55

Standardisation for regulatory frameworks

Sophie Mueller (EC GROW)

16:55 - 17:00

Setting up our activities for the day two

MODERATOR: Maurice Whelan

DAY 2

PARALLEL SESSIONS

*The parallel sessions will be divided in three themes: **life science**, **engineering**, and **regulatory and data reporting**. Participants have to choose in advance and they cannot go from one room to another.*

09:00 - 10:10

Cells and Tissues

CHAIR/SPEAKER: Christine Mummery (LUMC) RAPPORTEUR: Sofia B. Leite

ROUNDTABLE MEMBERS: Jochen Kuehnl (Beiersdorf); Olivier Frey (inSphero); Paula Alves (iBET)

Sensing and Integration

CHAIR/SPEAKER: Ignacio Ochoa Garrido (University of Zaragoza) RAPPORTEUR: Ozlem Cangar

ROUNDTABLE MEMBERS: Dries Braecken (imec); Jannis Meents (MCS); Marco Rasponi (Polytechnic University of Milan)

Good experimental practices

CHAIR/SPEAKER: Sandra Coecke (EC JRC) RAPPORTEUR: Monica Piergiovanni

ROUNDTABLE MEMBERS: Pelin Candarlioglu (GSK); Rhiannon David (Astrazeneca); Sonja Beken (FAGG)

10:10 - 10:30

BREAK

Agenda

DAY 2

PARALLEL SESSIONS

The parallel sessions will be divided in three themes: *life science, engineering, and regulatory and data reporting*. Participants have to choose in advance and they cannot go from one room to another.

10:30 - 11:30

Biomaterials and 3D printing

CHAIR/SPEAKER: Peter Loskill (University of Tübingen) RAPPORTEUR: Sofia B. Leite

ROUNDTABLE MEMBERS: Bas Trietsch (Mimetas); Lorna Ewart (Emulate); Hector Martinez (CELLINK)

Interoperability and control systems

CHAIR/SPEAKER: Andries Van Der Meer (University of Twente) RAPPORTEUR: Ozlem Cangar

ROUNDTABLE MEMBERS: Holger Becker (microfluidic ChipShop); Sébastien Cargou (Elvesys); Wolfgang Eberle (imec)

Data acquisition and management

CHAIR/SPEAKER: Martin Golebiewski (HITS) RAPPORTEUR: Monica Piergiovanni

ROUNDTABLE MEMBERS: Christian Maass (ESQlabs); Patrick Courtney (SiLA); Andreas Bender (University of Cambridge)

11:30 - 11:50

BREAK

11:50 - 12:50

Assays and biomarkers

CHAIR/SPEAKER: Adrian Roth (Roche) RAPPORTEUR: Sofia B. Leite

ROUNDTABLE MEMBERS: Francesca Pistollato (EC JRC); Katherine Czysz (Fujifilm); Ofra Benny (Hebrew University of Jerusalem)

Microfluidics

CHAIR/SPEAKER: Mathieu Odijk (University of Twente) RAPPORTEUR: Ozlem Cangar

ROUNDTABLE MEMBERS: Nicolas Verplanck (CEA Leti); Alexios Tzannis (IMTAG); Marko Blom (Micronit)

Characterisation and reporting

CHAIR/SPEAKER: Ilka Maschmeyer (TissUse) RAPPORTEUR: Monica Piergiovanni

ROUNDTABLE MEMBERS: Albert van den Berg (University of Twente); Peter Ertl (Vienna University of Technology); Raffaella Corvi (EC JRC)

12:50 - 14:15

LUNCH BREAK

PLENARY

14:15 - 15:00

Flash Summaries of parallel sessions

15:00 - 15:45

Panel discussion on ways forward

MODERATOR: Maurice Whelan (EC JRC)

ROUNDTABLE MEMBERS: Christine Mummery (EUROOoCS); Fergal Donnelly (EC RTD); Ivan Rusyn (Texas A&M); Lena Morgan (CEN Healthcare Advisory Board); Karl Gruen (Austrian Standards); Thomas Steger-Hartmann (Beyer)

15:45 - 16:00

Workshop Closing

Fabio Taucer (EC JRC) and Ruggero Lensi (CEN Vice President Technical)