



TISSUE ENGINEERING FOR INDUSTRY

3D models and Innovative technologies for Cosmetics, Nutrition, Pharmacology, Toxicology, ADME

Thursday December 9th, 2021 - 9H00-17H30

Biocitech (Romainville-Paris)

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8h45 Welcome coffee

9h15 **Welcome**
Sylvio BENGIO, Adebitech and Christophe DINI, Oroxcell

9h30 **Keynote Lecture**
Saadia Kerdine-Römer, Université Paris Saclay, INSERM UMR 996
How do new cell and tissue technologies contribute to chemical safety assessment?

10h00-11h00 Session 1 - Nutrition / Gastro-intestinal models

10h00 Marisa MELONI, VitroScreen, In Vitro Innovation Center
A pre-clinical path on gastro-intestinal tract: from 3D epithelial models to intestinal spheroids

10h20 Jan MARKUS, MatTek
3D reconstructed small intestine epithelium for modeling of drug kinetics and toxicity

10h40 Eric ANDRES, Oroxcell
Title to be confirmed

11h00-11h15 Coffee break

11h20-12h30 Session 2 - Medical devices / Skin/ Regulatory / Flash posters

- 11h20 **Christian PELLEVOISIN**, **Episkin**
Tissue engineering, a driver for change in medical device biocompatibility studies
- 11h40 **Sébastien CADAU**, **BASF Beauty Care Solutions**
Sophisticated skin models for demonstrated cosmetic efficacies
- 12h00 **Nathalie ALÉPÉE**, **L'Oréal**
Regulatory considerations: A case study on Eye Irritation
- 12h20 **FLASH Presentations**
Karina CUANALO-CONTRERAS, **cellQART® Technology**, **SABEU GmbH**
Pierre-Alexandre LAURENT, **Cellink Bioprinting technology**

12h30-14h15 Buffet lunch / Posters / Networking

14h15-15h35 Session 3 - Preclinical developments, airway models, oncology

- 14h15 **Philippe DETILLEUX**, **Sanofi**
Micro-physiological models and other innovative in vitro systems for toxicity evaluation of new drugs - a Pharma Industry perspective -
- 14h35 **Samuel CONSTANT**, **Epithelix**
Development of in vitro immunocompetent human airway epithelial models for toxicity testing and infectious diseases research
- 14h55 **Christian REGENBRECHT**, **CELLphenomics GmbH**
Precision Oncology Beyond Genomics: The Future Is Here—It Is Just Not Evenly Distributed
- 15h15 **Colin McGUCKIN**, **CTIBiotech**
3D-Bioprinting human tumors to revolutionize personalized- / targeted- medicine and pre-clinical pharmaceutical development against cancer

15h35-16h00 Coffee break / Posters / Networking

16h00-16h40 Session 4- Novel technologies - HCS, organ on chip, Neurofluidics

- 16h00 **Julian BURSZTYKA**, **Perkin Elmer** *Tissue engineering and HCS (high content screening) for preclinical research: is the future at our doorstep?*
- 16h40 **Thibaut HONEGGER**, **Netri**
Organ on chip approaches for Neuroscience: Neurofluidics reconstruction of neural networks and functional markers in drug discovery

16h45-17h30 Round Table - discussion and conclusions - adjourn 17h30

With speakers and audience participation

Moderator: Christophe DINI, **Oroxcell**: *what are the future needs and applications for tissue engineering and related technologies? (Preclinical development, Regulatory trends, toxicology, immune-oncology, novel tools and technologies)*