



TISSUE ENGINEERING FOR INDUSTRY

3D models for Pharmacology, Toxicology, ADME

Applications in Pharmaceuticals, Cosmetics, Health & Nutrition and Chemistry

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Thursday, October 7, 2021

8h45 Welcome coffee

9h15 **Welcome**

Sylvio BENGIO, Adebiotech and **Christophe DINI**, Oroxcell

9h30 **Keynote Lecture**

Francelyne MARANO, Francopa

How do new cell and tissue technologies contribute to chemical safety assessment ?

10h00-11h20

Session 1 –

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

10h35 **Speaker to be confirmed**, Perkin Elmer

Title to be confirmed

11h00-11h15

Coffee break

11h20-14h30

Session 2 –

11h20 **Christian PELLEVOISIN, EPISKIN**

Tissue engineering, a driver for change in medical device biocompatibility studies

11h35 **Sébastien CADAU, BASF Beauty Care Solutions**

Sophisticated skin models for demonstrated cosmetic efficacies

11h55 **Eric ANDRES, Oroxcell**

Improved topical genotoxicity assessment using micronucleus assays on 3D reconstructed Human epidermises

12h20 **Thibaut HONEGGER, NETRI**

Organ on chip approaches for Neuroscience : Neurofluidics reconstruction of neural networks and functional markers in drug discovery

12h45-14h30

Buffet lunch / Posters / Networking

14h30-17h15

Session 3 – Hepatotoxicity, Pre-clinical assessments, Airways models, Regulatory and other approaches

14h30 **Speaker to be confirmed, Servier**

A novel 3D bioprinted human liver tissue

14h50 **Philippe DETILLEUX, Sanofi**

Pros and cons of different tissue models during pre-clinical safety (title to be confirmed)

15h30 **Samuel CONSTANT, Epithelix**

Development of in vitro immunocompetent human airway epithelial models for toxicity testing and infectious diseases research

15h50 **Nathalie ALEPEE, L'Oréal**

OCDE and Regulatory considerations, (title to be confirmed)

16h10 **Christian REGENBRECHT, CELLphenomics GmbH**

Precision Oncology Beyond Genomics: The Future Is Here—It Is Just Not Evenly Distributed

16h30 **Colin McGUCKIN, CTIBiotech**

3D-Bioprinting human tumors to revolutionize personalized- / targeted- medicine and pre-clinical pharmaceutical development against cancer

16h50-17h15

Coffee break/Posters/Networking

17h15-18h15

Round Table discussion and conclusions – adjourn 18H30