



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

10h40 **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

11h40 **Sébastien CADAU, BASF Beauty Care Solutions**

Sophisticated skin models for demonstrated cosmetic efficacies

12h00 **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

12h40-14h30

Buffet lunch / Posters / Networking

14h30-16h30

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

14h30 **Philippe DETILLEUX, Sanofi**

Micro-physiological models and other innovative in vitro systems for toxicity evaluation of new drugs - a Pharma Industry perspective -

14h50 **Samuel CONSTANT, Epithelix**

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

15h10 **Nathalie ALEPEE, L'Oréal**

Regulatory consideration : A case study on Eye Irritation

15h30 **Christian REGENBRECHT, CELLphenomics GmbH**

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

15h50 **Colin McGUICKIN, CTIBiotech**

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

16h10-16h30

Coffee break/Posters/Networking

16h30-17h30

Round Table discussion and conclusions – adjourn 17h30