



TISSUE ENGINEERING FOR INDUSTRY

3D models for Pharmacology, Toxicology, ADME

Applications in Pharmaceuticals, Cosmetics, Health & Nutrition and Chemistry

Thursday December 9, 2021 - 9H00-17H30

Biocitech (Romainville-Paris)

GOLD Sponsors



SILVER Sponsors



BRONZE Sponsors



8h45 Welcome coffee

9h15 **Welcome**
Sylvio BENGIO, Adebiotech 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?

10h00-11h20 Session 1 – 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 **Julian BURSZTYKA**, Perkin Elmer
Tissue engineering and high content screening for preclinical research : is the future at our doorstep ?

11h00-11h15 *Coffee break*

11h20-14h30 Session 2 – Cosmetic models / Neurofluidics

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 – Pre-clinical assessments, Airways models, Regulatory, and support to personalized medicine

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 ALÉPÉE, L'Oréal**
Regulatory considerations: 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 McGUCKIN, 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