



TISSUE ENGINEERING FOR INDUSTRY

3D models for Pharmacology, Toxicology, ADME

Applications in Pharmaceuticals, Cosmetics, Health & Nutrition and Chemistry

Jeudi 7 octobre 2021 - 9H00-17H30

**Genopole Campus 1, Salle Elyseum, 20 rue Henri Auguste Desbrùères,
91030 Évry-Courcouronnes Cedex**

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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?

10h00-11h20 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