

11TH WORKSHOP ON 3D advanced IN-VITRO MODELS

In-vitro cell cultures are often proposed as “Alternatives” to animal tests, but they are still inadequate to reproduce human pathophysiology. This is mainly due to the technological limitations of the standard equipment used in cell culture laboratories, such as the lack of a 3D micro-architecture, the static environment and the absence of cross talk between different tissues.



The IVT^{ech} mission is to provide technology and services to allow the implementation of relevant advanced in-vitro models

It's a pleasure to announce the 11th workshop on 3D advanced in-vitro models, focused on the design of multi-organ and dynamic in-vitro tests using IVT^{ech} technology.

Overview OF THE WORKSHOP

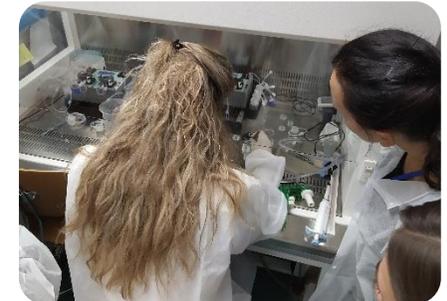


Theoretical training

- Introduction on the use of **bioreactors**
- Introduction on the **tissue model design** for drug and nano-toxicity studies in dynamic conditions.

Hands-on experience

- Practical demonstration of IVT^{ech} products as platforms to implement advanced in-vitro models
- Hands-on experience to develop a 3D & dynamic in-vitro model, using IVT^{ech} products



Aim OF THE WORKSHOP

Workshop key points

- Introduce the practice and use of **innovative cell culture systems** to design meaningful in-vitro experiments
- Show how to implement **3D in-vitro models** under **dynamic conditions**, using IVTech LiveBox1
- Show how to implement **dynamic in-vitro models of physiological barriers**, using IVTech LiveBox2
- Show how to **apply dynamic conditions** to the cells environment using IVTech LiveFlow
- Provide the participants with a **practical experience** on multi-organ and connected in-vitro model design and implementation, to obtain **physiologically relevant results**
- Show how to perform in-situ **real-time monitoring** of the experiment by **imaging** and **media sampling**, and routine end-point analyses

The IVTech team will support the participants in all phases required to run a **3D dynamic multi-organ in-vitro model**, from theory to practice.



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Dates: 05th - 06th December 2019

Where: Institute of Clinical Physiology, CNR – Pisa,
Via Moruzzi 1, Pisa (PI), Italy

Registration fee: € 300+VAT (full), € 250+VAT (Students/Young Researchers*) including consumables, coffee breaks & lunches

Contact us for group discount

*under 30 years

Participants: A maximum of 15 participants with lab experience



Registration deadline:

20th November 2019

Register at: info@ivtech.it

More Info: www.ivtech.it

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(Tommaso Sbrana, PhD)