



# 5D in-vitro models: A STEP CLOSER TO HUMANS

Istituto Dermopatico dell'Immacolata – IRCCS (Roma)

## Thursday 02

<b>09.00 – 09.15</b>	<b>Registration and welcoming</b>
09:15 – 10:15	Commercial fluidic platforms to develop advanced in-vitro models <i>T. Sbrana, IVTech</i>
<b>10:15 – 10:30</b>	<b>Coffee break</b>
10:30 – 11:15	Tools for 3D in-vitro models <i>M. Benella, IVTech</i>
11:15 – 11:45	IVTech: one step closer to Humans <i>T. Sbrana, IVTech</i>
11:45 – 12:45	Hands-on experience: MultiDyn <i>IVTech team</i>
<b>12:45 – 14:00</b>	<b>Lunch</b>
14:00 – 15:30	Hands-on experience: LiveBox1 and LiveBox2 <i>IVTech team</i>
15:30 – 17:45	Hands-on experience: set-up of a dynamic experiment <i>IVTech team</i>
<b>17:45- 18:00</b>	<b>Discussion and closing remarks</b>



## Friday 03

- 09:00 – 10:00 **TEER reader set-up & prototypes**  
*IVTech team*
- 10:00 – 10:15** **Coffee break**
- 10:15 – 11:00 **Case studies: overview of the applications**  
*S. Quaglio, IVTech*
- 11:00 – 12:15 **5D in-vitro models: experts' vision**
- 3D bioprinted human skin and squamous cell carcinoma as advanced models for precision medicine  
*V. Bartolucci, Istituto Dermopatico dell'Immacolata*
- Adipose mesenchymal stem cells, expanded in a clinical grade medium, are characterized by better migration potential toward cancer cells  
*F. Agostini, CRO Aviano*
- Different applications of an innovative microfluidic system to preserve human skin explants  
*A. Galvan, Università di Verona*
- Microfluidic devices to study drug delivery across physiological barriers  
*F. Erdő, Pázmány Péter Catholic University*
- 12:15 – 12:25** **Discussion and closing remarks**