

# Sectures of Specialists and Experts

Dr. Silvia Letasiova (MatTek In-Vitro) → Development and validation of the EpiDerm in vitro skin irritation protocol for the evaluation of the medical devices extracts



Jan Markus (MatTek In-Vitro) EpiIntestinal – reconstructed 3D human small intestine model for prediction of gastrointestinal toxicity, drug absorption and more



Lauri Paasonen (UPM-Kymmene Oyj, Finland) GrowDex, the natural choice for 3D cell culture applications





- Massimo Di Donato (*TebuBio*) Human normal primary cells as in vitro models
- Tommaso Sbrana (IvTech s.r.l.) Fluidic modules for advanced in-vitro models



### Dr. Costanza Rovida (CAAT-EU)

The integrated project EU-ToxRisk and the case studies for Read-Across approach

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 The specialists from MatTek, IvTech and UPM offered participants the hands-on possibility to use and perform analysis on proposed models, like *Epiderm* and *Epiintestinal*, the *Growdex scaffolds*, and IvTech *Bioreactors*.

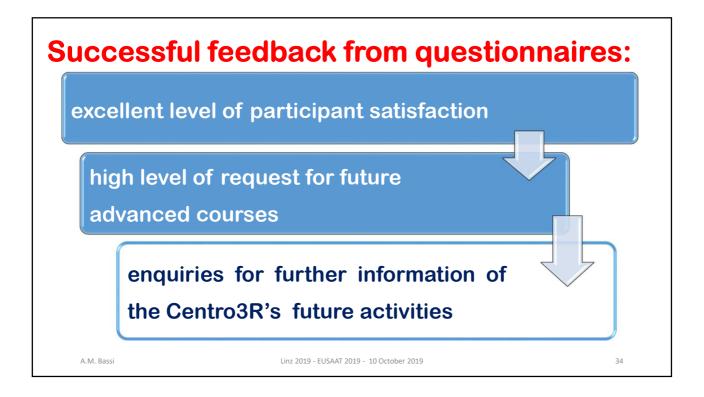
• Discussion sessions  $\rightarrow$  scientific network on advanced models

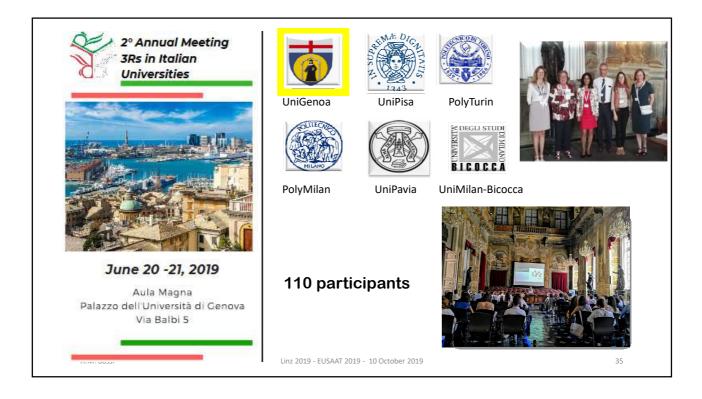












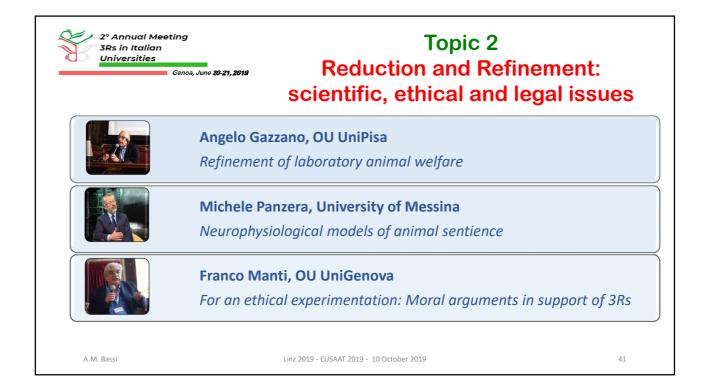


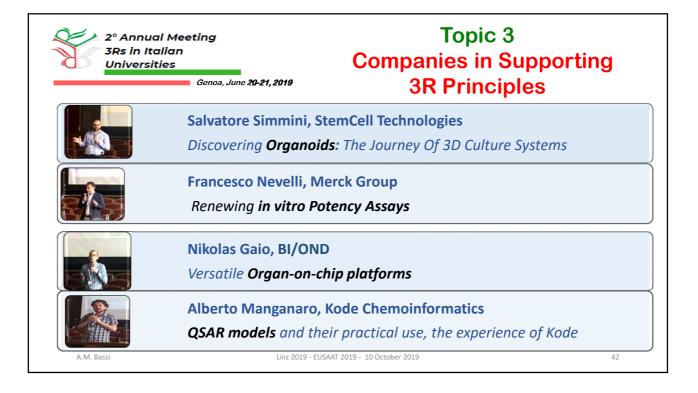


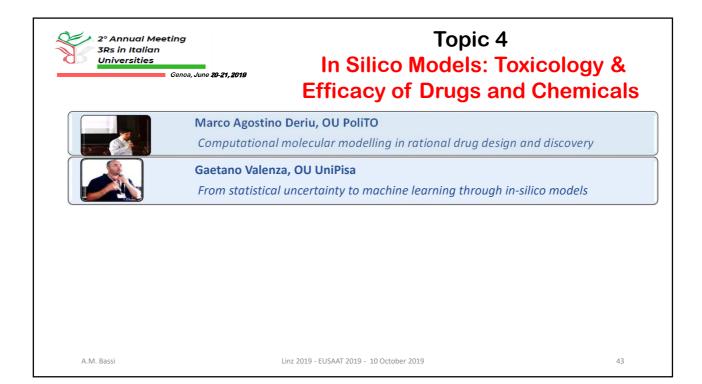




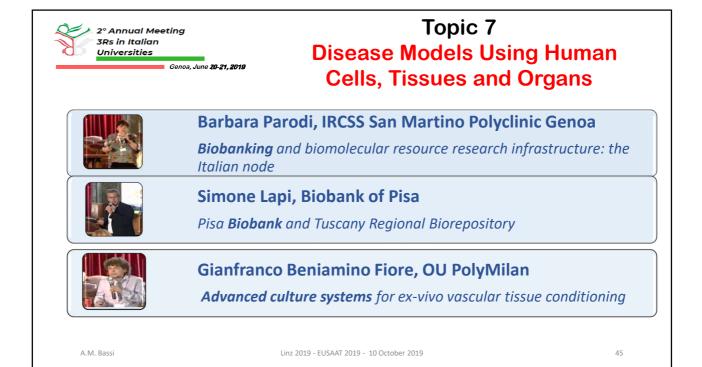


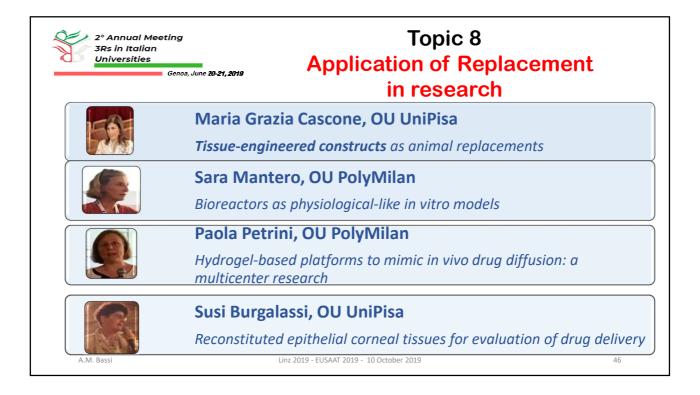


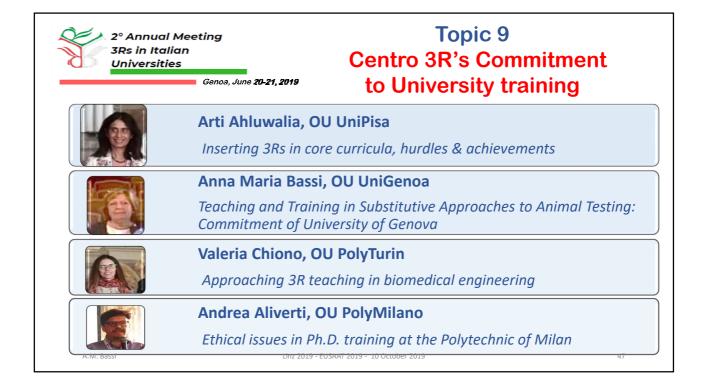


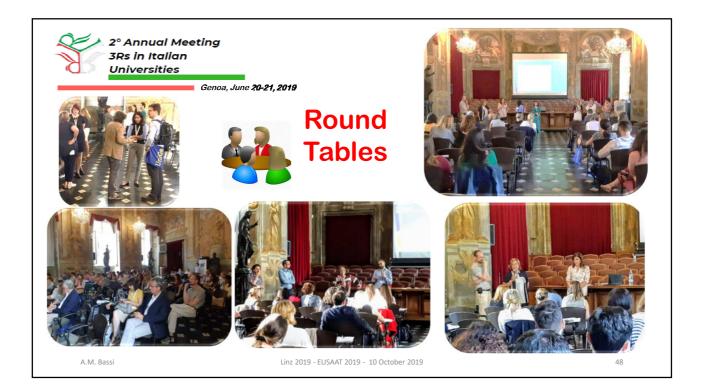


2° Annual Meeting 3Rs in Italian Universities Ger	Topic 5 Application of Reduction and Refinement Principles in Animal Testing
	<b>Raffaella Colombo, OU UniPavia</b> A <b>new in vitro gastrointestinal system</b> to evaluate the effect of exogenous molecules
	Luigi Preziosi , OU PoliTo How can Mathematical Modelling Support Cancer Research
	Manuela Marcoli, OU UniGe Centro 3R Organ and Tissue Sharing Project
	Michele Conti, OU UniPavia Biomechanical simulations and 3D printing for endovascular device testing
	<b>Gianluca Ciardelli, OU PoliTo</b> On the transferability of <b>tissue engineering technologies</b> to the design of tissue models
A.M. Bassi	Giovanni Nicoletti, OU UniPavia Platelet rich plasma enhancement of ex-vivo human skin cultures Linz 2019 - EUSAAI 2019 - 10 October 2019 44

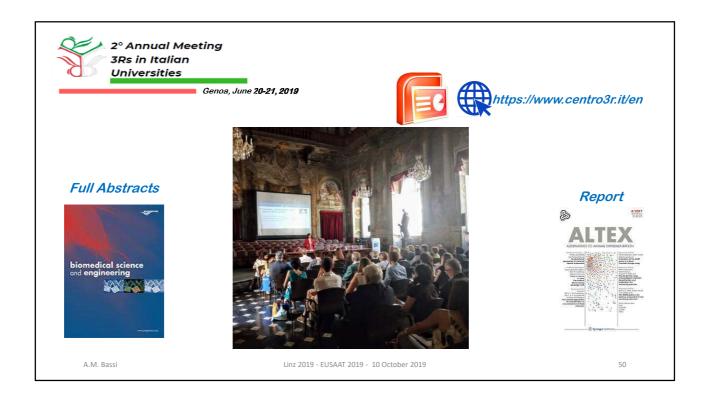
















## **Ongoing activities**







### **3R'S LEARNING SCENARIO**

### Title: SUSTAINABLE SCIENCE: The 3Rs

Author(s) Maela Del Grammastro – Fausto Senia

#### Summary

This learning scenario leads to the knowledge of the 3R principles, of how these principles have been at the basis of the development of a European legislation on the use of animals in experimental laboratories and how important they are for science in order to focus on the development of alternative methods in respect to using animals in clinical trials.

A.M. Bassi

