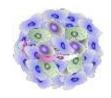


COST ACTION 17104



Annual training school – 2020

3D cell models – a powerful tool to study MDR StrataCell

The *StrataCell* Training School is an excellent opportunity for early career researchers to learn about three-dimensional cell culture models, such as spheroids, organoids and organs-on-a-chip application for testing multi-drug resistance mechanisms and ways to combat them. This school will teach researchers theoretical and practical skills needed to make such models and to evaluate the effects of tested substances during the online lab courses by applying novel imaging techniques. The cooperative and enthusiastic academic environment and synergism between experienced teachers and talented trainees will contribute to a better understanding of 3D model peculiarities and their routine application specifically for MDR studies.

Dates: November 5-6, 2020 (2 days)

Venue: online

Organiser: Preclinical Research Center, Lithuanian University of Health Sciences

More info: stratagem-cost.eu

Who can apply?

PhD students or Early Career Investigators (ECI) from EU or other countries. Master students can also apply but PhD and ECI will be given priority in case of more applications than the capacity.

How to apply?

Applicants must apply for participation in the Training School *StrataCell 2020* by completing and submitting the application form by e-mail vilma.petrikaite@lsmuni.lt

When to apply?

The call is open from 14th of September.

The applicants will be notified about the results by 20th of October.

Organising committee

Vilma Petrikaitė (Lithuania) Chiara Riganti (Italy) Dale Lawson (Italy) Helena Vasconcelos (Portugal) Yordan Yordanov (Bulgaria)

For any queries please contact:

Prof. Vilma Petrikaitė (vilma.petrikaite@lsmuni.lt)

PRELIMINARY PROGRAMME	
Thursday, 5th of November	Friday, 6th of November
LECTURES	
10.00 – 10.10 Opening of training school Prof. Vilma Petrikaite 10.10 – 10.40 Welcome and introduction to STRATAGEM Prof. Chiara Riganti 10.40 – 11.20 3D models – a powerful tools for testing MDR Dr. Anamaria Brozovic 11.20 – 12.00	10.00 – 10.40 A wonderful world of organoids Dr. Inese Čakstina 10.40 – 11.20 Tumor explants for ex vivo drug screening Dr. Jelena Grahovac 11.20 – 12.00
Tumor cell and microenvironment interaction TBA	Organ on a Chip Technology TBA
Break	
12.20 – 13.00 The use of patient-derived organoids to guide the design of novel combination strategies Dr. An Wouters	12.20-13.00 Challenges of Nanoparticle testing in 3D models TBA
13.00 – 13.30 Discussion and close remarks of the 1st day Prof. Vilma Petrikaite	13.00 – 13.30 Discussion and close remarks of the 2 nd day Prof. Vilma Petrikaite
AFTERNOON ONLINE "WET LAB"	
13.30 – 16.00 Individual movie theater Let's make 3D tumor spheroids 1. 3D Bioprinting method 2. Hanging drops technique 3. 3D Microtissue technique	13.30 – 14.00 Discussion (cont.), including issues from "WET LAB" movies
Growing organ-on-a-chip – tips and tricks Fifty shades of toxicity testing	CLOSING REMARKS of the training school