

Summer School

In vivo and ex vivo models to study P2X receptors

Studying cancer is challenging due to tumor heterogeneity both between patients and within the tumor itself. This summer course, consisting of theoretical and practical lessons, will provide an overview of the current models (in vivo, in vitro, and ex vivo) used to study cancer, with a special focus on the purinergic checkpoint.



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Košice Slovakia



VENUE

Louis Pasteur University Hospital Faculty of Medicine P. J. Safarik University in Kosice Rastislavova 43 Košice Slovakia



HOW TO TRAVEL TO KOSICE



Kosice airport: https://www.airportkosice.sk/en

Budapest airport: https://www.bud.hu/en

Vienna airport: https://www.viennaairport.com/en/passengers



BUD/VIE - Kosice

Flixbus: https://www.flixbus.co.uk/

Train: https://www.zssk.sk/en/

HOTELS

Double Tree by Hilton

https://www.hilton.com/en/hotels/kscdtdi-doubletree-kosice/

Password: LETOUPJS25

Students dormitory

https://www.upjs.sk/pracoviska/studentske-domovy-jedalne/en/

Password: LETOUPJS25

another possibilities:

Blue Bell Penzión

Penzion Beryl

Boutique Hotel Bristol

Hotel Zlaté Košice

Boutique Slovakia Residence

and many others (see booking or airbnb)



PROGRAM

July 21, 2025	
10:00-14:00	Registration
14:00-14:15	Welcoming by the organizing committee
14:15-14:30	Rules for reimbursement (Elena Adinolfi, visio or video)
14:30-16:30	Lesson 1: Valérie VOURET-CRAVIARI:
	Introduction on in vitro, in vivo, and ex vivo models in oncology
16:45-18:45	Lesson 2: Olfa KHALFALLAH:
	Brain organoids

FREE EVENING

July 22, 2025	
9:00-9:30	Invited lesson: Dr. Carmen LUDWIG-PAPST:
	Metabolomics meets gut-brain axis
9:30-10:30	Lesson 3: Dr Lucia SLOVINSKA:
	Neurospheres derived from neural progenitor cells
10:30-11:30	Practical course 1 Group 1: Tips for successful 3D culture
	Practical course 2 Group 2: Culture of iPSC Stem Cells
11:30-12:30	Practical course 1 Group 2: Tips for successful 3D culture
	Practical course 2 Group 1: Culture of iPSC Stem Cells
	LUNCH BREAK 12:30-13:30
13:30-15:00	Practical course 3: Differentiation of iPSCs into Brain Organoids
15:00-15:45	Lesson 4: Terézia KISKOVA:
	In vivo models in experimental oncology and neurooncology
15:45-16:45	Practical course 4 Group 1: Slicing and preparation of FFPE slices for
	immunohistochemical staining
	Proctical course 5 Crown 2. Homotorrelin coain staining
	Practical course 5 Group 2: Hematoxylin-eosin staining
16:45-17:45	Practical course 3 Group 2: Hematoxynn-eosin staining Practical course 4 Group 2: Slicing and preparation of FFPE slices for
16:45-17:45	•

AROUND THE CITY -DINER

July 23, 2025	
9:00-11:00	Round table to discuss with the trainers and address specific problems
	posed ty the trainees.
11:00-11:30	Concluding remarks