



Dear Colleagues,

We would like to cordially invite you to join our second open workshop **BIOCEV Regeneration II**.

This year the workshop will cover different aspects of *in vitro* 2D/3D modelling and regenerative medicine, including stem cell biology, tissue engineering, organoids, microfluidics technologies, advanced microscopy and bioanalytical methods.

Programme

8:30	Registration		
9:00	Welcome addresses		
	iPS cells, organoids, modelling in a dish. PART I		
9:10	Deciphering signaling codes of morphogenesis using organoids Zuzana Sumbalova Koledova Masaryk University, Brno, Czech Republic		
9:35	Engineered Heart Tissue models and iPS-derived cardiomyocytes Tomasz Kolanowski Institute of Human Genetics PAS, Poznan, Poland		
10:00	Modeling neurodevelopment and neurodegeneration: brain organoids versus assembloids approach Leonora Buzanska Mossakowski Medical Research Institute PAS, Warsaw Poland		
10:25	Human induced pluripotent stem cell-derived in vitro platform for chemical and drug developmental toxicology assays (ONLINE) Andras Dinnyes BIOTALENTUM LTD, Gödöllő, Hungary		
10:50	Coffee break		
	iPS cells, organoids, modelling in a dish. PART II		
11:15	Modelling vision in a dish Tomas Barta Masaryk University, Brno, Czech Republic		
11:40	Spinal cord regeneration in a dish Ingrid Vargova Institute of Experimental Medicine CAS, Prague, Czech Republic		
12:05	hiPSC-derived glial cells Karolina Dulka University of Szeged, Szeged, Hungary		
12:30	Generation of Dravet Syndrome iPSC lines for 3D modeling of neural plasticity in genetically inherited childhood forms of epilepsy Valery Zayat Mossakowski Medical Research Institute PAS, Warsaw Poland		
12:45	Lunch		
	Advances technologies for <i>in vitro</i> modelling		
13:45	Development of High Throughput / High-content technologies for investigations in advanced 3D cellular models (ONLINE) Jacek Kolanowski Institute of Bioorganic Chemistry PAS, Poznan, Poland		
14:10	Bioanalytical quality control in stem cell cultures Petr Vanhara Masaryk University, Brno, Czech Republic		
14:35	<i>In vitro</i> fluidic models to study cardiovascular diseases Jan Vitecek Institute of Biophysics CAS, Brno, Czech Republic		
15:00	Advanced prototyping techniques for in vitro models Tomas Tethal IQS GROUP LTD, Rez, Czech Republic		
15:25	Coffee break		
	Tissue engineered models and Stem cell therapies		
15:45	Stem cells based therapies in veterinary medicine: from experiments to clinic (ONLINE) Dasa Cizkova Institute of Neuroimmunology SAS, Bratislava, Slovakia		
16:10	Vascularized tissue engineered skin model Antonin Broz Institute of Physiology CAS, Prague, Czech Republic		
16:35	3D <i>in vitro</i> model of clubfoot disease Jarmila Knitlova Institute of Physiology CAS, Prague, Czech Republic		
17:00	Closing remarks		



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Please, register [HERE](#). The registration and attendance are free of charge.

