

	Monday 11.11.	Tuesday 12.11.	Wednesday 13.11.	Thursday 14.11.	Friday 15.11.	Saturday 16.11.
	8:30-9:00 Registration					
09:00	9:00-9:45 Electroporation – a platform technology (D. Miklavčič)	9:00-10:00 Molecular dynamics simulations of lipid bilayers electroporation (M. Tarek)	9:00-10:00 Electroporation and electropermeabilisation (L.M. Mir)	9:00-10:00 Gene electrotransfer <i>in vivo</i> (M. Čemažar)	9:00-10:00 Electrochemotherapy from bench to bedside: principles, mechanisms and applications (G. Serša)	9:00-10:00 Development of devices and electrodes (D. Miklavčič)
10:00	9:45-10:45 Resting and induced transmembrane voltage (T. Kotnik)	10:00-11:00 Tissue in electric field (B. Kos)	10:00-11:00 Nucleic acids electrotransfer <i>in vitro</i> (M.P. Rols)	10:00-11:00 Prophylactic and therapeutic applications of gene electrotransfer (R. Heller)	10:00-11:00 Effects of electroporation on vasculature (B. Markelc)	10:00-10:45 Electrophysiological effects of electroporation on myocardium (Q. Castellvi)
11:00	10:45-11:15 <i>Poster session/Poster award competition</i>	11:00-11:30 <i>Poster session/Poster award competition</i>	11:00-11:30 <i>Poster session/Poster award competition</i>	11:00-11:30 <i>Poster session/Poster award competition</i>	11:00-11:30 <i>Poster session & Demo of electroporators</i>	10:45-11:15 <i>Poster session/Poster award competition</i>
	11:15-12:15 The biophysics of cell membrane electroporation (L. Rems)	11:30-12:30 Collateral effects of electroporation (heating, pain&contraction, electrochemistry) (A. Ivorra)	11:30-12:30 Irreversible electroporation as an ablation technique (R. Davalos)	11:30-12:00 Immunogenicity/DNA sensors (L. Heller)	11:30-12:30 Electrochemotherapy in clinical practice (J. Gehl)	11:15-12:00 Pulsed field ablation treatment of cardiac arrhythmias (V. Reddy)
12:00	12:15-12:45 Short student presentations	12:30-13:00 Short student presentations	12:30-13:00 Short student presentations	12:00-12:30 Gene editing for cell-based therapies (D. Sourdive)	12:30-13:00 Short student presentations	12:00-13:00 <i>Lunch</i>
13:00	12:45-14:15 <i>Lunch</i>	13:00-14:15 <i>Lunch</i>	13:00-14:00 <i>Lunch</i>	13:00-14:15 <i>Lunch</i>	13:00-14:15 <i>Lunch & Demo of electroporators</i>	13:00-13:45 Exams for ECTS credits
14:00	14:15-15:00 The role of PEF in enabling future food production systems (L. Buchmann)	14:15-15:00 Pulse generators/hardware – principles and current status (V. Novickii)	14:00-16:00 Scientific discussions on: - electroporation in basic science (M. Tarek and L. Rems) - electroporation in clinical applications (J. Gehl and G. Serša) - electroporation in drug and gene delivery (M.P. Rols and L.M. Mir)	14:15-15:00 Scaling non-viral gene delivery for cell based therapies (P. Garcia)	14:15-15:00 Real-time imaging and conductance tracking of individual electropores in live cells (A. Pakhomov)	13:45-14:15 Certificates and goodbye
15:00	15:00-18:00 Laboratory and practical work	15:00-18:00 Laboratory and practical work		15:00-18:00 Laboratory and practical work/ <i>Round table: Cell and gene based therapies</i>	15:00-18:00 Laboratory and practical work	
16:00						
17:00						

18:30	<i>Welcome reception</i>
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