

	Monday 11.11.		Tuesday 12.11.	Wednesday 13.11.	Thursday 14.11.	Friday 15.11.	Saturday 16.11.	
8:30-9:00	Registration							
9:00-9:15	Welcome	9:00-10:00	Molecular dynamics simulations of lipid bilayers electroporation (M. Tarek)	Electroporation and electropermeabilisation (L.M. Mir)	Gene electrotransfer <i>in vivo</i> (M. Čemažar)	Electrochemotherapy from bench to bedside: principles, mechanisms and applications (G. Serša)	Development of devices and electrodes (D. Miklavčič)	9:00-10:00
9:15-9:45	Opening lecture (D. Miklavčič)							
9:45-10:45	Resting and induced transmembrane voltage (T. Kotnik)	10:00-11:00	Tissue in electric field (B. Kos)	Nucleic acids electrotransfer <i>in vitro</i> (M.P. Rols)	Prophylactic and therapeutic applications of gene electrotransfer (R. Heller)	Effects of electroporation on vasculature (B. Markelc)	Electrophysiological effects of electroporation on myocardium (Q. Castellvi)	10:00-10:45
10:45-11:15	Coffee break	11:00-11:30	Coffee break	Coffee break	Coffee break	Coffee break & Demo of electroporators	Coffee break	10:45-11:15
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)	Irreversible electroporation as an ablation technique (R. Davalos)	TBD	Electrochemotherapy in clinical practice (J. Gehl)	Pulsed field ablation treatment of cardiac arrhythmias (V. Reddy)	11:15-12:00
12:15-12:45	Short presentations	12:30-13:00	Short presentations	Lunch break (shorter)	Short presentations	Short presentations	Lunch break (shorter)	12:00-13:00
12:45-14:15	Lunch break	13:00-14:15	Lunch break		Lunch break	Lunch break & Demo of electroporators		
14:15-15:00	The role of PEF in enabling future food production systems (L. Buchmann)	14:15-15:00	Electroporation: its many facets by an 'outsider' (M. BA Djamgoz)	Social event (subject to separate fee)	Scaling non-viral gene delivery for cell based therapies (P. Garcia)	Real-time imaging and conductance tracking of individual electropores in live cells (A. Pakhomov)	Exams	13:00-14:00
15:00-17:00	Practical work	15:00-17:00	Practical work/ Faculty members meeting		Practical work/ Round table: Cell and gene based therapies	Practical work		

18:30	Networking dinner
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