

	Monday 11.11.	Tuesday 12.11.	Wednesday 13.11.	Thursday 14.11.	Friday 15.11.	Saturday 16.11.	
08:30 08:45	Registration						08:30 08:45
09:00	Welcome	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)	09:00
09:15 09:30	Opening lecture (D. Miklavčič)						09:15 09:30
09:45 10:00 10:15 10:30	Resting and induced transmembrane voltage (T. Kotnik)	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)	Irreversible electroporation as an ablation technique (R. Davalos)		09:45 10:00 10:15
10:45 11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break & Demo of electroporators	Coffee break	10:30 10:45
11:15 11:30 11:45 12:00	The biophysics of cell membrane electroporation (L. Rems)	Collateral effects of electroporation (heating, pain&contraction, electrochemistry) (A. Ivorra)	Effect of electroporation on vascular permeability (B. Markelc)	TBD	Electrochemotherapy in clinical practice (J. Gehl)	Pulsed field ablation treatment of cardiac arrhythmias (V. Reddy)	11:00 11:15 11:30
12:15 12:30	Short presentations	Short presentations	Lunch break (shorter)	Short presentations	Short presentations	Closing lecture (L.M. Mir)	11:45 12:00
12:45 13:00 13:15 13:30 13:45 14:00	Lunch break	Lunch break		Lunch break	Lunch break & Demo of electroporators	Lunch break (shorter)	Exams
14:15 14:30 14:45	The role of PEF in enabling future food production systems (L. Buchmann)	Electroporation: its many facets by an 'outsider' (M. BA Djamgoz)	13:30	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)	Certificates and goodbye	14:00 14:15
15:00 15:15 15:30 15:45 16:00 16:15 16:30 16:45	Practical work	Practical work/Faculty members meeting		Social event (subject to separate fee)	Practical work/Round table: Cell and gene based therapies	Practical work	

18:30	Networking dinner
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