

	<b>Monday 16.11.</b>	<b>Tuesday 17.11.</b>	<b>Wednesday 18.11.</b>	<b>Thursday 19.11.</b>	<b>Friday 20.11.</b>	<b>Saturday 21.11.</b>
8:30	<b>Opening lecture</b> L.M. Mir	<b>Electrochemistry of cell membranes</b> E. Neumann	<b>Gene transfection <i>in vitro</i></b> M. P. Rols	<b>Gene expression regulation by siRNA electrotransfer</b> M. Golzio	<b>Tumor Biology</b> M. Cemazar	<b>Development of devices and electrodes</b> D. Miklavčič
8:45						
<b>9:00</b>						
9:15	<b>Cells in electric fields</b> T. Kotnik	<b>Molecular dynamics simulations of lipid bilayers electroporation</b> M. Tarek	<b>Electropermeabilization <i>in vivo</i></b> L. M. Mir	<b>Electroporation in transdermal drug delivery</b> V. Preat	<b>Electroporation in electrochemotherapy of tumors, G. Serša</b>	
9:30						
9:45						
<b>10:00</b>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
10:15	<b>Tissue in electric fields</b> D. Miklavčič	<b>Electropermeabilization <i>in vitro</i></b> J. Teissié	<b>Gene transfection <i>in vivo</i></b> L. M. Mir	<b>Electroporation in skin gene delivery</b> V. Preat	<b>Preclinical and Clinical electrochemotherapy</b> G. Serša	<b>Electroporation in food sanitization</b> G. Ferrari
10:30						
10:45						
<b>11:00</b>						
11:15						
11:30	Student presentations	Student presentations		Student presentations	Student presentations	Student presentations
11:45						
<b>12:00</b>	<i>Lunch break</i>	<i>Lunch break</i>	Social event		<i>Lunch break</i>	<i>Lunch break</i>
12:15						
12:30						
12:45						
<b>13:00</b>						
13:15	<b>Delivery of ultra-short, high-intensity pulsed electrical energy to membranes, cells, and tissues: biophysics and therapeutics</b> P. T. Vernier	<b>Nanoelectropores of the cell plasma membrane</b> A. Pakhomov		<b>Principles and applications of non-thermal irreversible electroporation</b> B. Rubinsky	<b>Safety issues and toxicity of <i>in vivo</i> electroporation</b> J. Gehl	Exams
13:30						
13:45						
<b>14:00</b>	Practical work	Practical work				
14:15						
14:30						
14:45						
<b>15:00</b>						
15:15						
15:30						
15:45						
<b>16:00</b>						
16:15						
16:30						
16:45						
<b>17:00</b>	Practical work	Practical work				Certificates and goodbye
17:15						

Available as video recordings from previous year(s): **Skin and transdermal drug delivery**, V. Preat; **Application of electroporation in biotechnology**, J. Teissié; **Transduction, transcription, regulation and gene expression**, B. Couderc; **Blood flow measuring methods**, T. Jarm; **Electroporation of lipid vesicles**, Rumiana Dimova; and **Electrochemotherapy in veterinary medicine** N. Tozon and M. Čemažar.