

|       | <b>Monday 14.11.</b>   | <b>Tuesday 15.11.</b>   | <b>Wednesday 16.11.</b>   | <b>Thursday 17.11.</b>   | <b>Friday 18.11.</b>  | <b>Saturday 19.11.</b>   |   |   |                      |                      |  |
|-------|--|---|---|--|---|--|---|---|----------------------|----------------------|--|
| 9:00  | <b>Opening lecture</b><br>D. Miklavčič   | <b>Molecular dynamics simulations of lipid bilayers electroporation</b><br>M. Tarek         | <b>Electroporabilization: physics and biology</b><br>P.T. Vernier | <b>Electroporation in electrochemotherapy of tumors</b><br>M. Čemažar                                  | <b>Gene transfer <i>in vitro</i></b><br>M.P. Rols   | <b>Development of devices and electrodes</b><br>D. Miklavčič                     |   |   |                      |                      |  |
| 9:15  |  |   |   | <b>Cells in electric field</b><br>T. Kotnik  |   |  | <b>Clinical electrochemotherapy</b><br>G. Serša | <b>Gene transfer <i>in vivo</i></b><br>L.M. Mir |                      |                      |  |
| 9:30  |  |   |   |  | <i>Coffee break</i>   |  |   |   | <i>Coffee break</i>  | <i>Coffee break</i>  | <i>Coffee break</i>  |
| 9:45  | <b>Tissue in electric field</b><br>D. Miklavčič  | <b>Electroporabilization <i>in vitro</i></b><br>J. Teissié                                  | <b>Electroporabilization <i>in vivo</i></b><br>L.M. Mir           | <b>Electrofusion</b><br>J. Teissié   | <b>Drug and gene delivery in the skin by electroporation</b><br>V. Preat  | <b>Electrotransfer for DNA vaccines</b><br>V. Preat                              |   |   |                      |                      |  |
| 10:00 |  |   |   |  |   |  | Student presentation                            | Student presentation                            | Student presentation | Student presentation | <b>Closing lecture: summary and perspectives</b><br>L.M. Mir |
| 10:15 |  |   |   |  |   |  |   |   |                      |                      |  |
| 10:30 | <b>Pulsed electric field treatment in bioprocessing - From basic research to applications</b><br>W. Frey | <b>Vesicles in electric fields: electro-deformation, -poration and -fusion</b><br>R. Dimova | Social event  | <b>Treatment of liver metastases by electrochemotherapy; A new technological approach.</b><br>G. Serša | <b>Therapeutic Potential of Electrically Mediated Gene Transfer and Results From Initial Clinical Trials</b><br>R. Heller | Exams  |   |   |                      |                      |  |
| 10:45 |  |   |   |  |   |  | Student presentation                            | Student presentation                            | Student presentation | Student presentation | <i>Lunch break (shorter)</i>                                 |
| 11:00 |  |   |   |  |   |  |   |   |                      |                      |  |
| 11:15 |  |   |   |  |   |  | <i>Lunch break</i>                              | <i>Lunch break</i>                              | <i>Lunch break</i>   | <i>Lunch break</i>   |  |
| 11:30 |  |   |   |  |   |  |   |   |                      |                      | Practical work   |
| 11:45 |  |   |   |  |   |  | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 12:00 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 12:15 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 12:30 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 12:45 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 13:00 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 13:15 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 13:30 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 13:45 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 14:00 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 14:15 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 14:30 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 14:45 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 15:00 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 15:15 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 15:30 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 15:45 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 16:00 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 16:15 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 16:30 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 16:45 |  |   |   |  |   | Practical work   | Practical work                                  | Practical work                                  | Practical work       | Practical work       |  |
| 17:00 | Practical work   | Practical work  | Practical work  | Practical work   | Practical work  |  |   |   |                      |                      |  |
| 18:30 |  |   |   |  |   | <b>Membrane electroporation: evolution of a concept to clinics</b><br>E. Neumann |   |   |                      |                      |  |
| 18:45 |  |   |   |  |   |  |   |   |                      |                      |  |
| 19:00 |  |   |   |  |   |  |   |   |                      |                      |  |
| 19:15 |  |   |   |  |   |  |   |   |                      |                      |  |