

EBTT Short presentation programme

Monday, November 14th:

Chair: P. Thomas Vernier

The influence of the self – learning mathematically control algorithm on the PEF modulator output characteristics

Mindaugas Visockis

Creation of cell aggregates by dielectrophoresis for the in vitro study of electrochemotherapy

Jonathan Cottet

Pulsed Magnetic Field Assisted Electroporation of Yeast

Vitalij Novickij

Tuesday, November 15th:

Chair: Lluis M. Mir

Effect of time duration between HV and LV pulses on DNA electrotransfection efficiency in vitro

Sonam Chopra

Effect of low-energy pulsed electron beams on bacterial spore DNA

Charlotte Da Silva

High-frequency chips and oxidation induced chemiluminescence

Michal Cifra

The electroporation of guard cells improves the quality of dried Genovese basil (*Ocimum basilicum* L.) leaves

Maria Elena Vicente de Damas

Wednesday, November 16th:

Chair: Marie-Pierre Rols

Hydrogel / Carbon nanotubes Needle-free device for Electrostimulated Transdermal Delivery

Jean-François Guillet

Improvement of flap necrosis in a rat random skin flap model by in vivo electroporation mediated HGF gene transfer

Morteza Jafari

Electroporation-induced blood-brain barrier disruption for the treatment of glioblastoma multiforme

Yael Bresler

Thursday, November 17th:

Chair: Justin Teissié

Permeabilizing Phospholipid Bilayers with Non-Normal Electric Fields

Federica Castellani

The Role of Temperature in the Inactivation of Microorganisms by Pulsed Electric Fields

Felix Schottroff

Extraction of lipids from micro-algae, combining the use of electrical field solicitations and mechanical stress within a microfluidic device

Sakina Bensalem

Friday, November 18th:

Chair: Karen Julie Gehl

Antitumor effectiveness of cisplatin and oxaliplatin based electrochemotherapy on B16F10 melanoma cells in vitro and murine B16F10 tumor in vivo

Katja Uršič

The sensitivity of radio-resistant human squamous cell carcinoma cell line to electrochemotherapy with cisplatin and bleomycin

Martina Niksic Zakelj

Electric Field Distribution Generated by Two Needle Electrodes in an Anatomical Model of a Deep-Seated Breast Carcinoma

Adriana L. Vera Tizat

Electrochemotherapy in a Cutan Recurrence of Postirradiation Angiosarcoma of the Breast after Mastectomy

Krisztina Bottyán