

EBTT Short presentation programme

Monday, November 13th:

Chair: P. Thomas Vernier

Numerical Modelling of the Electroporation in Stomatocyte Red Blood Cells

Michele Alessandro Chiapperino

Influence of electropermeabilization on the membrane stiffness

Aswin Muralidharan

Real-time nonlinear optical spectroscopy analysis corroborated by fluorescence microscopy

Amina Ghorbel

Endogenous biological chemiluminescence as an indicator of oxidation

Petra Vahalová

Numerical study of electroporation of cells by helium atmospheric pressure plasma jet

Charalambos Anastassiou

Tuesday, November 14th:

Chair: Lluís M. Mir

Influence of Pulsed Electric Fields (PEF) pre-treatment

Robin Ostermeier

Effect of pulsed electric fields (PEF) application on bioaccumulation of magnesium in *Lactobacillus rhamnosus* B 442 cells

Monika Sujka

The Epstein Barr Virus promotes nuclear reorganization in B lymphocytes

Shirmone Botha

Electrotransfection of plasmid DNA in human adherent cells

Géraldine Gasc

The influence of microsecond electroporation on human glioblastoma cells– in vitro study

Natalia Niedzielska

The potential role of catechin in the electrochemotherapy of sensitive and resistant pancreatic cancer – in vitro study

Olga Michel

Thursday, November 16th:

Chair: Justin Teissié

Endoscopic assisted electrochemotherapy for sigmoid colon cancer: a phase I clinical trial

Malene Broholm Andersen

Our experience with electrochemotherapy of cutaneous and subcutaneous tumors in the head and neck region

Péter Lázár

Confirmatory Trial in the Evaluation of Ca electroporation for the Treatment of Cutaneous Metastases,
Preliminary results
Dora Agoston

In vitro Studies of the Antiviral Effects of Marine Active Ingredients
Thai-Hoa Chung

Electro-Thermal Modeling and Characterization of Irreversible Electroporation
Borja López

Numerical reconstruction of electrochemotherapy treatment in the spine
Helena Cindrič

Friday, November 17th:

Chair: Karen Julie Gehl

Effects of calcium electroporation on normal and tumour vasculature
Barbara Starešinič

Anthropogenic carbon nanotubes: from tailpipes to human lungs
Jelena Kolosnjaj-Tabi

Effect of electrochemotherapy in combination with BRAF inhibitors on melanoma cell lines in vitro
Tjaša Potočnik

Electrochemotherapy Induced Tissue Changes in Porcine Liver: Study Protocol
Jan Žmuc

Electroporation Enhanced by Gold Nanoparticles
Tamara Pezić

Electrical Effects of Electroporation on the Cardiac Electrogram
Alan Sugrue