



## Newsletter No. 37

3<sup>rd</sup> World Congress on Electroporation and Pulsed Electric Fields; Toulouse, France, September 3 – 6, 2019

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The 3<sup>rd</sup> World Congress on Electroporation and Pulsed Electric Fields in Biology, Medicine, and Food & Environmental Technologies, will be held in Toulouse, France, September 3 – 6.

*The scientific program includes 11 plenary lectures of leading specialists, 11 oral and 3 poster sessions on Food & Biomass applications, 33 oral and 3 poster sessions on PEF Basics and Medical applications, and 3 additional oral sessions, which include diverse talks that span both the Food & Biomass and Basics/Medical applications.*

The Symposium on Bio and Food Electrotechnologies (BFE) will be an incorporated event comprising multiple regular sessions on *Food & Biomass applications*. Some of these regular sessions:

- Food Structure Properties & Processing,
- Biomass Processing & Biocompounds,
- Microalgae Biorefinery,
- Cell damage and Microbial inactivation.

Special sessions on *Food and Biomass applications* will also be organised:

- ERA-NET Susfood 2: The MEFPROC Project,
- New insights on the extraction of value compounds from microbial cells assisted by electrotechnologies.

As already announced before, several special and regular sessions on *PEF Basics and Medical applications* will be organised, such as:

- Cardiac electroporation: The past, the present and the future;
- Electrical characterization of cells/tissues exposed to microsecond and nanosecond pulsed electric fields for a reliable dosimetry of electroporation;
- The Use of Electroporation in Veterinary Oncology;
- Techniques and Application of Irreversible Electroporation for Soft Tissue Ablation;
- New Mechanisms and Strategies for Improving Electrotransfection;
- MURI/AFSOR Workshop on Bipolar Cancellation of Nanosecond Pulse Stimulation and Electropermeabilization: From Mechanisms to Applications;
- Calcium Electroporation;

*See verso for continuation...*



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3<sup>rd</sup> World Congress on Electroporation  
& Pulsed Electric Fields in Biology, Medicine  
& Food and Environmental Technologies  
Toulouse, France September 3–6, 2019





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- Contactless and Targeted Cell Membrane Permeabilization: PEMF and Near Field Radiation & Nanoparticles for Local Enhancement of Electric Field;
- Electroporation in Immuno-Oncology.

In addition, common sessions will be organized, which will be interesting for people of different disciplines involved in basic and applicative research on pulsed electric fields.

These common sessions are:

- Basic Phenomena and Cells/Tissue Characterisation;
- Pulsed Power Engineering Session;
- Education and Training on Electroporation.

We have received and reviewed more than 350 abstracts. The decision letters were mailed earlier this week to the authors informing them on type and time of presentation – check your mailbox, if received. **Now, late breaking abstracts are accepted until June 15<sup>th</sup>.** We have reserved a time slot and a place for those deserving special attention.

In case you have not yet made arrangements for your travel and stay, you are advised to do so as soon as possible. Information concerning accommodation is available on the website, so please visit [wc2019.electroporation.net](http://wc2019.electroporation.net). In addition to hotel accommodation, there are some inexpensive options for apartment hotels, which have to be booked by **June 10<sup>th</sup>**.

In addition to the rich, important, and interesting scientific part of the programme, its social counterpart is likewise diverse, exuberant, and well worth mentioning. Starting with a reception in the Capitole, Toulouse city hall, which will take place on Tuesday, and ending with the Gala Dinner on Thursday in the Château de Preissac, close to Toulouse.

The ISEBTT 3<sup>rd</sup> World Congress is one of the most important activities of the International Society for Electroporation-Based Technologies and Treatments, which will hold its General Assembly on Wednesday, September 4, 2019, during the lunch break. The 3<sup>rd</sup> World Congress attracts participants from around the World. Based on its main featured themes, the Congress offers technical programmes, special sessions, oral and poster presentations, plenary sessions, and social events. This Congress is The Place to gather together and meet, exchange experiences, seek advice, and to inspire and get inspired by people from different disciplines who are involved in basic research or are developing novel and emerging applications based on the use of pulsed electric fields.

**We will all be there... Join us!**

## Forthcoming events

### 6<sup>th</sup> School on Pulsed Electric Field Applications in Food and Biotechnology

Cesena, June 3 – 7, 2019

<http://pefschool2019.electroporation.net>

### Electroporation-Based Technologies and Treatments

Ljubljana, November 10 – 16, 2019

<http://2019.ebtt.org>

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