



## Newsletter No. 78

The 4<sup>th</sup> World Congress on Electroporation and Pulsed Electric Fields, Copenhagen, Denmark, 9 – 13 October 2022

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The 4<sup>th</sup> World Congress on Electroporation and Pulsed Electric Fields in Biology, Medicine, & Food and Environmental Technologies held 9 – 13 October 2022 in Copenhagen assembled participants from 31 countries, with more than 400 registered participants.

Exiting plenary lectures across fields were followed by four parallel sessions within food technology, environmental purposes, mechanistic aspects of electroporation including cellular effects and modelling, electric field effects on neural tissues, electroporation/PEF in the treatment of cancer, immunotherapy, immunogenic effects, gene therapy and antibody production, veterinary oncology, cardiac ablation and development of novel equipment and techniques.

This year, an educational session was established on the first day of the congress, with six speakers explaining the basic technology of electroporation as well as common applications. The educational session was very well received with high attendance.

Throughout the Congress there was a lively buzz of conversations during breaks in the Congress Foyer, as scientists enjoyed networking, discussions, and plans for new great science.

Thirty-nine travel awards were given to students and young investigators, as well as 22 awards for outstanding presentations, who went to, by category:

### Basic Science:

Students: Alexia De Caro (1<sup>st</sup>), Alexandra Chittams-Miles (2<sup>nd</sup>), Anne Calvel (3<sup>rd</sup>)

Postdocs and early-stage researchers: Aleksander Kielbik (1<sup>st</sup>), Marie Lefevre (2<sup>nd</sup>), Nina Rembiatowska (3<sup>rd</sup>)

### Applied biology and medicine:

Students: Kenneth Aycock (1<sup>st</sup>), Amanda DeVos (2<sup>nd</sup>), Freya Bastrup (3<sup>rd</sup>)

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Postdocs and early-stage researchers: Leonid Maizels (1<sup>st</sup>), Anna Szewczyk (2<sup>nd</sup>), Felipe Maglietti (3<sup>rd</sup>)

### **Food technology:**

Students: Jessica Genovese (1<sup>st</sup>), Marianna Giancaterino (2<sup>nd</sup>), Kamile Jonynaite (3<sup>rd</sup>)

Postdocs and early-stage researchers: Cinzia Mannozi (1<sup>st</sup>), Katja Zocher (2<sup>nd</sup>), Felix Schottroff (3<sup>rd</sup>)

**Environmental sciences student award:** Atsushi Tanaka

**Best Abstract within Oncology and Cancer Research:** Elvina Radzevičiūtė

**The journal Vaccines award:** Tjaša Potočnik and Tim Božič

*Congratulations to all the awardees!*

### **Submit your work for special issues of journals**

Most scientists have experienced an editor saying they felt their field was not quite the focus of interest for their journal.

Nevertheless, six special issues have been secured in peer-reviewed journals where work presented at the 4<sup>th</sup> World Congress can be submitted for publication in article form. These six journals are:

- Annals of Biomedical Engineering;
- Bioelectrochemistry;
- Cancers;
- Frontiers in Bioengineering and Biotechnology;
- Frontiers in Food Science and Technology; and
- Vaccines

Please visit the Journals webpage ([wc2022.electroporation.net/journals](http://wc2022.electroporation.net/journals)) for links to the special issues and more information.

### **Forthcoming events**

#### **16<sup>th</sup> interdisciplinary postgraduate course and international workshop Electroporation Based Technologies and Treatments (EBTT)**

*hybrid event (online and onsite)*

Ljubljana, November 13 – 19, 2022

<http://www.ebtt.org>

#### **The 3<sup>rd</sup> Latin American Meeting on Electroporation**

Buenos Aires, December 2, 2022

<https://www.electroporation.net/event/3rd-latin-american-meeting-on-electroporation/>

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*Group photo of the many participants who were able to attend the Congress thanks to 39 travel grants procured and awarded to individuals as based on evaluations of their submitted work by the ISEBTT Awards Committee.*

Newsletter is issued in electronic form only by The International Society for Electroporation-Based Technologies and Treatments (ISEBTT).

ISSN: 2463-9850

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