



Newsletter No. 51

4th World Congress on Electroporation and Pulsed Electric Fields
in Biology, Medicine, and Food & Environmental Technologies

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The 4th World Congress on Electroporation will be held in Copenhagen, Denmark in September 19-23, 2021. We encourage participants, exhibitors, and sponsors to think of September 2021 as a time when we again can enjoy our fruitful and inspiring international and transdisciplinary collaboration. The 4th World Congress will build on the tradition of multidisciplinary interaction and inspiration within the field of electroporation-based technologies and treatments established by the previous Congresses. A scientific committee has been established (wc2021.electroporation.net/organisation) to include internationally renowned specialists from biology, medical applications, food processing, and environmental technologies. Special sessions and invited speakers are being set up and invited. The website, wc2021.electroporation.net, is updated regularly. You can already find information about registration, preliminary programme, and other important info.

New at the World Congress on Electroporation, is an **Educational session** that will take place on Sunday, September 19, 2021 just before the welcome reception (wc2021.electroporation.net/educational-session). This 4-hour session will include 6 lectures by leaders in the field who will present the basic knowledge within pulsed electric fields and different applications. We encourage researchers new to the field, who would like to begin the Congress with a broad overview of pulsed electric fields, to participate in this session. Light lunch will be served before the session, and the coffee break during the session will be together with members of the ISEBTT Council and the Bioelectrics Consortium, as an opportunity for new researchers within the field to meet some of the more experienced researchers participating in the Congress.

Registration for the Congress is now open! A special 2020-price is available for those of you who want a less expensive registration rate and maybe have extra funding for conference registration this year. Particular effort will be made to support participation of students, and also to secure broad international participation, in order to facilitate a fruitful exchange of scientific insights and ideas. Visit the website wc2021.electroporation.net for the registration rates, deadlines, and opportunities for supporting the event.

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No congress without social events. The 4th World Congress on Electroporation will begin with a **welcome reception** taking place on a harbour cruise boat where you will see the centre of Copenhagen from the waterside while enjoying a light snack and drinks on board. We will board the boats right outside the Congress venue and you will be given the opportunity to end the trip at Nyhavn – the old picturesque harbour in Copenhagen with restaurants, cafés and bars, or end the trip back at the Congress venue. On Wednesday, we invite you to the **Congress dinner** at Carlsberg Brewery. The famous brewer of Carlsberg, Carl Jacobsen, was highly interested in art and during his life he assembled one of the world's largest private collections of paintings and sculptures in his own house. For this reason, he had to enlarge his house several times, and these magnificent rooms, each with its own special character, will be the location of our congress dinner where you will be served new Nordic food, and (of course) a complementing beer menu. The congress dinner is available for a small surcharge and you can register for this together with your registration for the congress. There is room for 400 participants at the dinner and it will be based on a first-come first-served principle.

The Congress will take place at the Tivoli Congress Centre in the centre of Copenhagen, close to public transportation. **Accommodation** is available at the Congress venue and at two budget hotels located right next to the congress centre on each side. Due to the central location of the congress centre close to public transportation, accommodation at other places in Copenhagen will also be convenient. Please see the Congress website for more information about accommodation, transportation, and the Congress venue.

We are looking forward to seeing you all at the 4th World Congress on Electroporation in Copenhagen in September 2021.

Announcement: A special issue of Bioelectrochemistry titled "Membranes under electrical stress: Nanosecond stimulation and permeabilization" is now open for submissions. We invite original studies and theme-related reviews in biophysics, cell biology, physiology, therapeutics, and biomedical and electrical engineering. Although the special issue will highlight nanosecond research, high-quality relevant studies with other pulse types are also welcome. Guest editors for the special issue are Andrei Pakhomov (apakhomo@odu.edu) and P. Thomas Vernier (pvernier@odu.edu). For more information, please visit

<https://www.journals.elsevier.com/bioelectrochemistry/call-for-papers/special-issue-on-membranes-under-electrical-stress-nanosecon> ... and select article type VSI:

Electropermeabilization. Submission deadline is **November 20, 2020**. Papers will be published online as soon as they are accepted.

Forthcoming events

Electroporation-Based Technologies and Treatments

Ljubljana, November 15 – 21, 2020

<http://2020.ebtt.org>

8th European Medical and Biological Engineering Conference – EMBEC 2020

Portorož, November 29 – December 3, 2020

<https://embec2020.org/>

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The welcome reception harbour cruise and the Congress dinner venue – the Carlsberg Brewery.

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