



## Newsletter No. 107

The Bioelectrics Consortium and Bioelectrics 2025,  
Eindhoven, The Netherlands, September 14 – 17, 2025

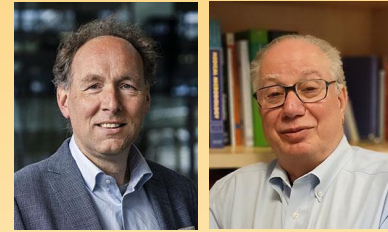
**Newsletter by:** Guus Pemen, Eindhoven University of Technology, The Netherlands, and  
Richard Heller, University of South Florida, FL, USA  
[a.j.m.pemen@tue.nl](mailto:a.j.m.pemen@tue.nl); [rheller@usf.edu](mailto:rheller@usf.edu)

The Research Consortium in Bioelectric Research known as the “Bioelectrics Consortium” was officially formed in i.e., 2005. The goals of the consortium are to: (1) Strengthen the field of bioelectrics by forming a consortium with worldwide visibility and impact; (2) Encourage the establishment of Centers of Excellence focused on bioelectrics; and (3) Provide the basis for successful grant proposals to national and international funding agencies. The three Centers that initially formed the consortium were: Forschungszentrum Karlsruhe GmbH (Institute for Pulsed Power and Microwave Technology, IHM) -Karlsruhe, Germany; Kumamoto University (Graduate School of Science and Technology, 21st Century COE Programs on Pulsed Power Science and on Cell Fate Regulation Research and Education Unit)-Kumamoto, Japan; and Old Dominion University (Frank Reidy Research Center for Bioelectrics) - Norfolk, Virginia, USA.

Consortium members are encouraged to collaborate and interact with other consortium members. As part of the collaboration, opportunities are afforded to students, young researchers/post-doctoral fellows and faculty to visit other centers to learn new skill sets and to exchange ideas. There is also the opportunity to explore and develop joint certificate and joint degree programs. Being a member of the Consortium does not restrict a member from engaging in other agreements or collaborations with Institutions outside of the Consortium. The Consortium has expanded since 2005 and currently there are 17 international members from Germany (2), Japan (1), United States (2), France (4), Slovenia (2), Czech Republic (1), Italy (2), Portugal (1), Netherlands (1) and Denmark (1). To join the Consortium, an interested Center/Department/Laboratory should send a letter to a member Center describing the research and why your Center should be part of the Consortium. The application is presented to the Center Directors and a vote to approve is taken and the applicant notified of the result.

The Consortium meets four times per year. Three meetings are virtual via video conference and once in person. The virtual meetings are for members only and new research findings are shared by centers in a confidential manner. The physical meeting is, however, open to anyone who would like to attend, i.e. also to nonmembers. Since 2015, the physical meeting is held in conjunction with the World Congress on Electroporation and other years it is organized by one of the member centers.

*Continued verso...*



**Newsletter Editor**  
Damijan Miklavčič  
University of Ljubljana, Slovenia  
[damijan.miklavcic@fe.uni-lj.si](mailto:damijan.miklavcic@fe.uni-lj.si)

**Newsletter Technical Editor and  
Website Administrator**  
Samo Mahnič-Kalamiza  
University of Ljubljana, Slovenia  
[samo.mahnic-kalamiza@fe.uni-lj.si](mailto:samo.mahnic-kalamiza@fe.uni-lj.si)

### Society Council Members

Emanuela Signori, IT  
*President*

Indrawati Oey, NZ  
*President-Elect*

Javier Raso, ES  
*Past President*

Caterina Merla, IT &  
Antoni Ivorra, ES  
*Officer: Engineering / Physical  
Sciences*

Julita Kulbacka, PL &  
Anna Bulysheva, US  
*Officer: Biological Sciences*

Clair Poignard, FR  
*Officer: Medical Applications*

Stefan Töpfl, DE  
*Officer: Food Applications*

Felix Schottroff, AT  
*Officer: Environment Applications*

Christian Gusbeth, DE &  
Peter Kramar, SI  
*Officer: At Large*



...continued from previous page

The last independent symposium was held in Lisbon, 2023. In 2025 the **17<sup>th</sup> International Bioelectrics Symposium** will be organized by the Eindhoven University of Technology, **Eindhoven, The Netherlands from September 14 to 17, 2025**. The symposium provides a forum for the exchange of scientific and technical information between scientists and industry professionals to discuss the latest research and ideas related to the interactions of electrical stimulus, in particular pulsed electric fields and non-thermal plasmas, with biological cells. This will be an opportunity to hear the latest research, breakthroughs and discoveries in this rapidly growing field.

Research topics and applications covered at this symposium are:

- Biological responses (molecular, subcellular, cellular and intercellular)
- Biophysics and biochemistry of interaction mechanisms
- Modelling and simulation of exposures and effects
- Diagnostics, analytics, experimental techniques
- Exposure devices and methods
- Cancer treatment and tumor ablation
- Disinfection, decontamination, hygiene
- Cell and tissue stimulation, wound healing
- Biomass processing and biofuel generation
- Food safety and food preservation
- Agricultural crops and farming
- Biomedical applications
- Pulsed power devices and methods

We invite you to submit an abstract to the 17<sup>th</sup> International Bioelectric Symposium (Bioelectrics 2025). The deadline for abstract submissions is **May 15, 2025**. More information on the symposium, registration and abstract submission can be found on [www.bioelectrics2025.nl](http://www.bioelectrics2025.nl).

## Forthcoming events

### 8<sup>th</sup> Veterinary Workshop on Electroporation-Based Treatments

Ljubljana, April 15 – 16, 2025

<https://bit.ly/4hXqr5q>

### 11<sup>th</sup> COURSE: Advances in Electroporation-Based Therapy: From Principles to Clinical Applications

Erice, May 2 – 7, 2025

<http://www.eisbem.eu/index.php/2025-xi-course/>

### 17<sup>th</sup> International Bioelectrics Symposium (Bioelectrics 2025)

Eindhoven, September 14 – 17, 2025

<http://www.bioelectrics2025.nl/>

#### Society Council Members (cont.)

Rafael Davalos, US  
*Treasurer*

Mihaela G. Moisescu, RO  
*Secretary*

#### Social Media Committee

Michal Cifra, CZ  
Stefan Töpfl, DE  
Antoni Ivorra, ES



[www.linkedin.com/company/isebtt/](http://www.linkedin.com/company/isebtt/)



[twitter.com/ElecPorationNET](https://twitter.com/ElecPorationNET)



*Eindhoven University of  
Technology – venue of the  
2025 Bioelectrics Symposium*

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

ISSN: 2463-9850

© 2016-2025 ISEBTT