

# ONLINE WINTER SCHOOL ON ELECTROPORATION

**Date: February 10, 2023**

**Time: 14:00 - 16:30 (CET)**



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**ElectroPros -2023**  
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The ElectroPros team is organising an open and free winter school on electroporation as a part of the Marie Skłodowska-Curie Actions-funded project's dissemination activities

# ElectroPros -2023

## AGENDA

TIME	PRESENTATION TOPIC	PRESENTER
<b>PART I</b>	Electroporation research in cell culture	
14:00	<b>Pulse parameters and thresholds for (ir)reversible electroporation on hepatocellular carcinoma cells in vitro</b>	<b>Kim Lindelauf</b> (PhD student, RWTH Aachen University, Germany)
<b>PART II</b>	Simulation studies of electroporation	
14:15	<b>Thermal effect during IRE ablation</b>	<b>Ali Jouni</b> (PhD student, RWTH Aachen University, Germany)
14:30	<b>Treatment planning under uncertainty for electroporation-based cancer therapies</b>	<b>Prashanth Lakshmi Narasimhan</b> (PhD student, Eindhoven University of Technology, The Netherlands)
<b>PART III</b>	Material and biophysical properties of electroporation	
14:45	<b>Quantitative mapping to determine an efficient MRI sequence for visualising the electroporated area in plant-based models.</b>	<b>Athul Thomas</b> (PhD student, RWTH Aachen University, Germany)
<b>BREAK</b>		
<b>PART IV</b>	Clinical applications of electroporation	
15:05	<b>Microelectrode array-based electroporation for use in multifunctional retinal implants</b>	<b>Andrea Kauth</b> (PhD student, IWE1-RWTH Aachen University, Germany)
15:30	<b>Evaluation in vivo of a new system for single-needle electroporation and interstitial electrochemotherapy</b>	<b>Dr. med. Federico Pedersoli</b> (Postdoctoral Researcher & Interventional Radiologist, City of Hope, California, United States)
<b>PART V</b>	Recent developments in electroporation	
15:45	<b>Biological effects of 10-nanosecond pulsed electric fields (nsPEF) on 3D cancer multicellular spheroids</b>	<b>Dr. Rosa Orlacchio</b> (Associate Professor, EPHE/IMS, France)
16:00	<b>Minimal invasive tumor therapies – An overview of modern oncological treatment modalities.</b>	<b>Prof. Dr. med. Peter Isfort, MHBA</b> (Leitender Oberarzt, DeGIR Stufe II; EBIR, Klinik für Diagnostische und Interventionelle Radiologie, Uniklinik RWTH Aachen, Germany)



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Open and Free  
Science Communication Event

Dear registered participants,

Please be advised that the login information for the upcoming online event will be sent to your email one day prior to the event.

Thank you for your understanding and we look forward to your participation.

Best regards,  
ElectroPros Team

Hello Everyone,  
**Welcome!**



**Interested Participants  
Register Here**

<https://forms.office.com/e/inc6ET29FD>

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Contact information for technical support or assistance during the webinar : [atthomas@ukaachen.de](mailto:atthomas@ukaachen.de)