



## EXTERNAL ASSOCIATE

### SLOVENIA



**NAME AND  
SURNAME:**

Damjan Miklavčič

**AFFILIATION:**

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**AREA OF  
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Biomedical Engineering

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### SHORT BIOGRAPHY

Damijan Miklavčič received a Ph.D. in Electrical Engineering from the University of Ljubljana in 1993. He is Full Professor, Deputy Head of the Department of Biomedical Engineering, and Research Programme Leader, Laboratory of Biocibernetics at the Faculty of Electrical Engineering, University of Ljubljana, where he previously served also as vice-dean for research and Head of the Department of Biomedical Engineering.

Throughout his academic career he has been active in rehabilitation engineering, experimental oncology, and cell biology. In the last two decades he specifically focused on

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electroporation-based gene transfer and drug delivery coupled with theoretical modeling of biophysical and biological processes, as well as development of hardware allowing for efficient electroporation both in vitro and in vivo. His current interests lie in further advancing electrochemotherapy as local treatment of internal malignant tumors, transferring the knowledge on tissue electroporation to other fields like food science, and development of innovative environmentally-friendly applications of electroporation.

Professor Miklavčič has led a number of national and international research projects including a global network funded by COST, and organized various international scientific meetings. Together with his colleagues he has applied for numerous patents, of which three have been granted internationally. He has served as editor and guest editor in various scientific journals, and collaborated with more than 60+ SCI journals as reviewer. Prof. Miklavčič has authored or co-authored over 1300 papers, including over 400 original articles in scientific journals. Prof. Miklavčič was the Congress Ambassador of Slovenia in the category of scientific and professional events for 2021.