

COST Action BM1309: European network for innovative uses of EMFs in biomedical applications (EMF-MED)

Call for abstracts

Due to the functional organization of the vagus nerve and its projections to various body/brain regions, a number of physiological processes are affected by modulating artificially the vagus nerve. The aim of this workshop on Vagus Nerve Stimulation (VNS) is the exploration, development, optimization, and marketing of novel methods for personalized electrical stimulation of the vagus nerve in acute and chronic diseases. Targeted diseases include cardiovascular and systemic affections – congestive heart failure, atrial fibrillation, peripheral arterial dysfunction, diabetes mellitus, diabetes and/or ischemic induced chronic ulcers, or inflammation – and central nervous system disorders – movement disorders, epilepsy, depression, mental disorders, or pain.

The workshop aims to look into physiologic mechanisms of VNS, its therapeutic applications, animal research as a model for VNS in humans, numerical modelling as a tool for VNS optimization, as well as engineering, safety and regulatory issues of VNS. In addition to the invited speakers, contributions are welcome on all modalities of VNS in theory, human, animal, and in-silico. The workshop welcomes results - even the preliminary ones - of basic and clinical studies. At the end of the workshop an open-minded but critical panel discussion on VNS is expected.

Topics List:

- Clinical, animal, and numerical VNS
- Biofeedback in VNS
- Engineering of VNS and regulatory issues

Venue:

Central Institute for Labour Protection
National Research Institute (CIOP-PIB)
Warszawa, POLAND

Confirmed invited speakers:

Current directions in auricular VNS

Eugenijus Kaniusas

Vienna University of Technology, Austria

Innovative clinical medicine based on auricular VNS

Jozsef Constantin Széles

Medical University of Vienna, Austria

Physiological dynamics of auricular VNS in animals

Fivos Panetsos

Complutense University of Madrid, Spain

Workshop organizers: E.Kaniusas, S.Kampusch



Abstract submission and acceptance notification:

Submission of abstracts (max. 2 pages template) is open.

Use the following template ([link](#)) and send the abstract to COST-EMF-MED@fesb.hr with the subject "VNS workshop".

The reviewing starts immediately upon the receipt of the abstract. In case of certain acceptance, the authors will be informed immediately upon the review, along with the official invitation.

Based on continuous reviewing process, **all the abstracts received by January 17th will be processed by January 19th.**

After that date we'll accept more abstracts only according to available time slots and budget.

The travel costs for attending the workshop for accepted authors from participating COST countries will be reimbursed by COST EMF-MED.

Registration for non-reimbursed visitors: Attendance to the workshop is free of charge for all visitors (no registration fee), with mandatory registration by contacting COST EMF-MED e-mail: COST-EMF-MED@fesb.hr.

This 1-day workshop is a part of 3-day COST EMF-MED event. Updated information about the event can be found at: www.COST-EMF-MED.eu

