EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY

Workshop on Non-Thermal EMF Cancer Treatment

COST EMF-MED

Warsaw, 15 February 2017

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

Call for abstracts

In recent years, cancer treatment using non-thermal levels of electromagnetic fields (EMFs) started progressing from anecdotal to clinical evidences. The emerging modalities are based on local or whole-body treatment with EMFs having specific characteristics. Electroporation is an example of a well explained interaction between a cell and EMF, which is considered non-thermal and is translated into clinical practice in the form of electrochemotherapy. There are also other modalities stirring the interest of scientific and medical community, such as alternating sinusoidal electric field in the intermediate frequency range, amplitude-modulated sinusoidal radiofrequency EMF, nanosecond pulsed electric fields, and others. The hypotheses for the biological mechanisms of action of these modalities are in various stages of development, and for some of them the valid explanation is still to be pursued.

This workshop aims to present such modalities systematically, for the first time in the same place, discussing their state-of-the-art, scientific background, and other aspects such as dosimetry, safety and efficacy. In addition to the invited speakers, contributions are invited on all modalities of EMF cancer treatment and all EMF cancer interactions that are considered non-thermal in nature. The workshop welcomes the results - even the preliminary ones - of both basic and clinical studies. At the end of the workshop an open-minded but critical panel discussion on biological mechanisms and scientific approach is scheduled with the help of independent experts.

Topics List:

- Non-thermal EMF cancer treatment modalities
- Non-thermal interactions between EMF and cancer cells
- Hypotheses for exploitable resonance effects in cancer cells
- Cancer diagnostics using EMF interactions with cancer cells

Venue:

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

Confirmed invited speakers:

Electroporation-based anticancer therapies: electrochemotherapy, electrogenetransfer and irreversible electroporation

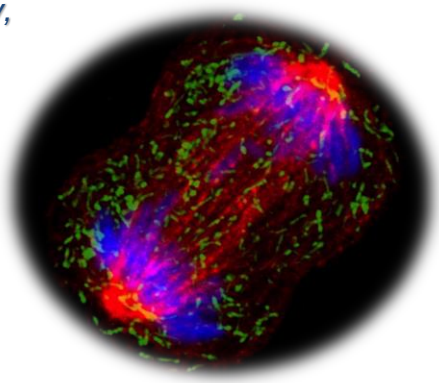
Lluis Mir
CNRS, Univ. Paris-Sud, Gustave Roussy, Université Paris-Saclay, France

Mechanisms and clinical results of NovoCure's alternating electric fields cancer treatment

Yoram Palti
Novocure Inc., Israel

Treatment of cancer with amplitude-modulated EMFs

Boris Pasche
Director, Comprehensive Cancer Center and Chairman, Department of Cancer Biology, Wake Forest University, USA; TheraBionic GmbH, Germany



Source: National Cancer Institute \ Univ. of Pittsburgh Cancer Institute

Abstract submission and acceptance notification:

Submission of abstracts (max. 2 pages template) is now open.
Use the following template (link) and send the abstract to COST-EMF-MED@fesb.hr with the subject "EMF-cancer 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

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