



Biomedicine and Molecular Biosciences

COST Action BM1309 EMF-MED

## **COST EMF-MED**

European network for innovative uses of EMFs  
in biomedical applications

### **2nd Management Committee Meeting (MCM) and 1st Working Group Meetings (WGMs)**

Split, 2-3 October 2014

## **Program and Schedule, MCM Agenda**

### **Meeting Venue:**

FESB Split  
Ruđera Boškovića 32  
HR-21000 Split  
CROATIA

### **Local organiser:**

FESB Split, represented by Prof. Antonio Šarolić (Action Chair)

## **Thursday 02/10/2014, room A100**

### **08:30 – 09:00**

MCM - Management Committee Meeting (1st part - opening) , Chairs: Prof. Antonio Šarolić (Action Chair) and Dr. Mirjana Moser (Action Vice-Chair)

*Note: Non-MC Members are also welcome as observers at MC Meeting (both parts).*

### **Joint WG1, WG2, and WG3 meeting**

Chairs: Prof. Antonio Šarolić (Action Chair) and Dr. Mirjana Moser (Action Vice-Chair), Prof. Gerard van Rhoon (WG1 Leader), Dr. Paolo Ravazzani (WG2 Leader), Prof. Niels Kuster (WG3 Leader)

### **09:00 – 09:20**

Welcome

Introduction and important information about COST EMF-MED and Split meeting

### **09:20 – 11:00**

- 09:20 – 09:40 Marta Parazzini: *Non-Invasive Brain Stimulation (NIBS): an application of electromagnetic fields in neuroscience*
- 09:40 – 10:00 Marta Parazzini: *Cerebellar and spinal neuromodulation by transcutaneous current stimulation: from basic science to technical progress and clinical applications*
- 10:00 – 10:20 Fivos Panetsos: *EMF modulation of acetylcholine-mediated plasticity in the mammalian cortex. Comparative biophysical study and modeling of tMS and tDCS.*
- 10:20 – 10:40 Sandra Medrano Garcia: *EMF-based neural repair and regeneration*
- 10:40 – 11:00 Dragan Poljak: *Electromagnetic-thermal dosimetry of the human brain - Application to TMS*

### **11:00 – 11:20 Coffee break**

### **11:20 – 13:00**

- 11:20 – 11:40 Zlatko Živković: *Effect of stimulus waveform to nerve excitability*
- 11:40 – 12:00 Eugenijus Kaniusas, Stefan Kampusch: *Vagus nerve stimulation*
- 12:00 – 12:20 Eugenijus Kaniusas: *Sensors*
- 12:20 – 12:40 Francesca Apollonio: *Electromagnetic fields and molecular structures: Modelization of complex biomolecules by means of molecular dynamics and integration of nanoparticle models with microscopic and mesoscopic ones*
- 12:40 – 13:00 Micaela Liberti: *EMF Microdosimetry: Quantitative study of the spatial, temporal, and spectral distributions of EM fields imparted to cellular and subcellular biological structures*

### **13:00 – 14:00 Lunch at FESB (provided by Local Organizer)**

**Thursday 02/10/2014, room A100**

**14:00 – 15:40**

- 14:00 – 14:20 Carmela Marino: *Microwave thermal ablation for cancer therapy*
- 14:20 – 14:40 Gerard van Rhooen: *Focused EMF hyperthermia with online guidance and improved dose models*
- 14:40 – 15:00 Boris Pasche: *Diagnosis and treatment of cancer with very low levels EMFs modulated at tumor-specific frequencies*
- 15:00 – 15:20 Azadeh Peyman: *Dielectric properties at low frequencies*
- 15:20 – 15:40 Raquel Cruz Conceição: *Presentation of COST Action TD1301 on Medical Microwave Imaging (not a WM proposal)*

**15:40 – 16:00 Coffee break**

**16:00 – 17:20**

- 16:00 – 16:20 Esra Neufeld, Nicolas Chavannes (by teleconference): *Neural tissue models*
- 16:20 – 16:35 Francesca Apollonio: *Drug delivery activated by EM fields*
- 16:35 – 16:50 Alfonsina Ramundo-Orlando: *Applications of low-intensity millimetre waves radiation for drug delivery purpose and mechanistic studies*
- 16:50 – 17:05 Myrtil Simko: *ELF MF and immune response activation*
- 17:05 – 17:20 Collard: *Genes and cellular mechanisms involved after ELF stimulation*

**19:15** Welcome reception and dinner at the Cellars of the Diocletian Palace (provided by Local Organizer)

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**Friday 03/10/2014**

**08:30 – 09:00**

SGM (Steering Group Meeting – only for SG members)

**09:00 – 10:40**

WG1 meeting (room A301), Chair: Prof. Gerard van Rhoon (WG1 Leader)

WG2 meeting (room A100), Chair: Dr. Paolo Ravazzani (WG2 Leader)

WG3 meeting (room A302), Chair: Prof. Niels Kuster (WG3 Leader)

**10:40 – 11:00 Coffee break**

**11:00 – 13:00 (room A100)**

MCM - Management Committee Meeting (2nd part), Chairs: Prof. Antonio Šarolić (Action Chair) and Dr. Mirjana Moser (Action Vice-Chair)

*Note: Non-MC Members are also welcome as observers at MC Meeting (both parts).*

**13:00 – 14:30 Lunch at FESB (provided by Local Organizer)**

**14:30 – 15:00**

SGM (Steering Group Meeting – only for SG members)

**16:30 – 18:30** Diocletian Palace tour for meeting participants (provided by Local Organizer)

**18:45 – 19:30** Split City Museum (free entrance for meeting participants provided by Local Organizer)



**Draft Agenda**  
**2nd Management Committee Meeting**

**COST Action no. BM1309**

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

**Venue: Split, Croatia, from 02/10/2014 to 03/10/2014**

**Chairs: Prof. Antonio Šarolić (Action Chair) and Dr. Mirjana Moser (Action Vice-Chair)**

1. Welcome to participants
2. Adoption of agenda
3. Approval of minutes and matters arising of last meeting
4. Update from the Action Chair
  - a. Status of Action, including participating countries
  - b. Action budget status
  - c. STSM status and new applications
5. Promotion of gender balance and of Early Stage Researchers (ESR)
6. Update from the Grant Holder
7. Update from the COST Office
- ~~8. Update from the DC Rapporteur~~
- ~~9. Annual Progress Conference (preparation and/or feedback from DC)~~
8. Follow-up of MoU objectives
  - a. Progress report of working groups
9. Scientific planning
  - a. Scientific strategy
  - b. Action Budget Planning
  - c. Long-term planning (including anticipated locations and dates of future activities)
  - d. Dissemination planning (Publications and outreach activities)
10. Requests for new members
11. Non-COST applications to the Actions
12. AOB
13. Location and date of next meeting
14. Summary of MC decisions
15. Closing