



# ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE  
AND TO ENRICO FERMI, "THE ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



## International School of Bioelectromagnetism "Alessandro Chiabrera"

### 10<sup>th</sup> Course - "Electromagnetic fields and health – epidemiological approaches"

Co-organized with  **BioEM**

Erice, April 6 - 12, 2024

#### PROGRAMME

##### April 6 – Saturday

Arrival and accommodation

##### April 7 – Sunday

8:45 - 9:15 School introduction and practical details - *Ferdinando Bersani/Maria Rosaria Scarfi (Italy)*

9:15 – 9:30 Course introduction - *Monica Guxens (Spain) and Anke Huss (The Netherlands)*

9:30 - 10:30 Introduction of participants, and topics they work on

10.30 – 11.00 *Coffee break*

11.00 – 12.00 - Lecture: Introduction into EMF – *Theodoros Samaras (Greece)*

12.00 – 13.00 - Lecture: Exposure assessment of EMF static/ELF - *Theodoros Samaras (Greece)*

13.00 – 15.00 - Lunch

15.00 – 16.00 - Group work: Questionnaire risk perception/mental models - *Christoph Böhmert (Germany)*

16.00 – 17.00 - Lecture: Exposure assessment RF-EMF – *Martin Rösli (Switzerland)*  
*Coffee break - 17.00 -17.30*

17.30 – 18.30 - Lecture: EMF dose - what is it and how is it calculated and how to apply in epi studies - *Arno Thielens (Belgium/ Martin Rösli (Switzerland)*

##### April 8 – Monday

8.30 - 9.30 - Lecture: basics of epidemiological study designs/confounding - *Monica Guxens (Spain)*

9.30 -10.30 - Group work: preparation of measurement protocol - *Arno Thielens, Theodoros Samaras, Martin Röösl*  
10.30 -11.00 - *Coffee break*  
11.00 -12.00 - Lecture: exposure misclassification - *Martin Röösl* (Switzerland)  
12.00 -13.00 - Lecture: Static fields and health effects – *Gunnhild Oftedal* (Norway)

13.00 - 15.00 - Lunch

15.00 – 17.00 - Group work: Read paper and discuss/STROBE - *Monica Guxens, Martin Röösl, Anke Huss, Elisabeth Cardis*  
17.00 – 17.30 - *Coffee break*  
17.30 – 18.30 - Lecture: Combined exposures in biological context - *Maria Rosaria Scarfi* (Italy)

### **April 9 – Tuesday**

8.30 - 10.30 - Lecture: Biological interaction and mechanisms (from physics to biological system) – *Mats Olof Mattsson* (Sweden)  
10.30 -11.00 - *Coffee break*  
11.00 – 13.00 - Group work: Measurements - *Arno Thielens, Theodoros Samaras, Martin Röösl*

13.00 – 15.00 - Lunch

15.00 – 16.00 - Lecture: ELF exposure and leukaemia and neurodegenerative diseases - *Anke Huss* (The Netherlands)  
16.00 – 17.00 - Symposium on ongoing research on EMF and health - *Elisabeth Cardis* (Spain)  
17.00 – 17.30 - *Coffee break*  
17.30 – 18.30 - Symposium on ongoing research on EMF and health and Poster prize - *Elisabeth Cardis* (Spain) & *Maria Rosaria Scarfi* (Italy)

### **April 10 – Wednesday**

8.30 - 9.30 - Lecture: Mobile device use and child health– *Monica Guxens* (Spain)  
9.30 – 10.30 - Lecture: RF-EMF exposure and brain tumours (*Elisabeth Cardis*, Spain)  
10.30 -11.00 - *Coffee break*  
11.00 – 13.00 - Group work: analyse measurement data (*Arno Thielens, Theodoros Samaras, Martin Röösl*)

Excursion (with lunch-box)

### **April 11 – Thursday**

8.30 - 9.30 - Lecture: EHS, symptoms attributed to EMF exposure – *Anke Huss (The Netherlands)*

9.30 – 10.30 - Group work: Presentation of measurement results (*Arno Thielens, Theodoros Samaras, Martin Rööslí*)

10.30 -11.00 - *Coffee break*

11.00 – 12.00 - Lecture: EMF and insects: Exposure, dose, effects - *Arno Thielens (Belgium)*

12.00 – 13.00 - Lecture: EMF exposure and planetary health - *Anke Huss (The Netherlands)*

13.00 – 15.00 - Lunch

15.00 – 17.00 - Group work: Risk perception/communication - *Christoph Böhmert (Germany) & Elisabeth Cardis (Spain)*

17.00 – 17.30 - *Coffee break*

17.30 – 18.30 - Lecture: From mechanistic understanding to disease endpoints – *Mats-Olof Mattsson (Sweden)*

### **April 12 - Friday**

8.30 – 9.00 - CLUE-H: Overview over current research in EU- *Mats-Olof Mattsson, Monica Guxens, Theodoros Samaras, Anke Huss*

9.00 – 10.30 - Meet the experts

10.30 -11.00 - *Coffee break*

11.00 – 12.00 - Lecture: Evidence synthesis and systematic reviews – *Gunnhild Oftedal (Norway)*

12.00 -13.00 - Lecture: Guidelines and how to get there - *Gunnhild Oftedal (Norway)*

13.00-13.15 - Closing remarks – *Maria Rosaria Scarfi & Ferdinando Bersani*

Lunch and departure