



**XIII Course: Bioelectromagnetic systems for innovative  
High- Performance Sensing and Interaction strategies**

Erice (Sicily, Italy): May 2 to 7, 2026

**Course Directors:**

**Nunzio Cennamo (Univ. of Campania “Luigi Vanvitelli”, Italy)**

**Katia Grenier (CNRS, France)**

**Course Description:** Showing how to exploit the interaction between electromagnetic fields and biological systems for chemical and physical parameters detection. General topics will include: Photonic biosensors for medical and environmental monitoring; microwaves for medical imaging; terahertz radiation for medical diagnostics; measurements via wearable and ingestible devices; intracellular probing.

**Key Objectives:** Provide researchers with essential skills for diagnostics and monitoring in medical and environmental applications, including *point of care* testing.

<http://www.eisbem.eu/index.php/2026-xiii-course/>

**International School of Bioelectromagnetism  
“Alessandro Chiabrera”**

*School Directors: Ferdinando Bersani (University of Bologna, Italy)  
and Maria Rosaria Scarfi (CNR-IREA, Naples, Italy)*



In 2003 the E. Majorana Center has established a Permanent School of Bioelectromagnetism, named to Alessandro Chiabrera, considered as a master by the

Bioelectromagnetics community. Since then, several Courses have been organized on different topics

**Registration fee: € 1200, including:**

Attendance to classes, Food and lodging  
Shuttle from and to the Palermo/Trapani airport  
Half a day touristic excursion

**BioEM members will have a discount of € 100**

Interested candidates should send, by **December 31, 2025** **February 15<sup>th</sup>, 2026**, an e-mail to the Directors of the Course at [school2026@eisbem.eu](mailto:school2026@eisbem.eu)  
Including a short CV, Scientific interest of the candidate and, for Students, a letter of recommendation of a Senior Scientist

**Co-organized with**

