



**Frontiers in Bioelectromagnetic Research:
Simulations, Experimental activity and Applications**

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Bioelectromagnetic research is at the intersection of engineering, physics, and life sciences, driving advancements in healthcare, communication, and safety standards. This talk will explore the latest frontiers in the field, focusing on the synergy between numerical simulations, experimental validation, and real-world applications. We will discuss innovative computational techniques for electromagnetic field interactions with biological tissues, state-of-the-art experimental methodologies, and emerging applications in biomedical applications and exposure assessment. By bridging theoretical and practical approaches, this presentation aims to provide insights into current challenges and future directions in bioelectromagnetic research.