

HEROE-6G Workshop on Radiofrequencies & Health
DAY 2: Medicine & Electromagnetism: Science, Applications and Challenges
for Multidisciplinary Research

8 th May, 2026

Escuela Técnica Superior de Ingeniería en Telecomunicación (Antiguo Cuartel de Antigones). Salón de Grados

10:00-10:10	Opening Speaker: Conchi Garcia Pardo
10:10-10:30 (20 min including questions)	Bioelectromagnetism (II): interaction between EM fields & human body tissues Speaker: Conchi Garcia-Pardo , Ramon & Cajal Fellow. Universidad Politécnica de Cartagena. Departamento de Electrónica
10:30-10:50 (20 min including questions)	Energy-Based Electromagnetic Technologies for Minimally Invasive Medical Applications Invited speaker: Ana González Suarez , Ramón & Cajal Fellow. Universitat Politècnica de València. Department of Electronic Engineering
10:50-11:10	Introduction Sim4Life software capabilities and use cases (online) Speaker: Mar Miñana , Zurich MedTech
11:10-11:30 (20 min including questions)	Synthetic Models of Human Body Tissues at Microwave Frequencies Invited speaker: Sergio Castelló Palacios . Senior researcher at iTEAM research institute of the Universidad Politécnica de Valencia.
11:30-12:00	Coffee break and Networking
12:00-12:20 (20 min including questions)	Dielectric characterization of biological tissues for biomedical applications Invited speakers: Ernesto Ávila Navarro & Carlos G Juan (IEEE IMS Distinguished Lecturer) . Full Professor & Ramon & Cajal Fellow at Universidad Miguel Hernández Elche.
12:20-12:40 (20 min including questions)	Capacidades en Simulación Clínica del HCU Santa Maria el Rosell, Cartagena Speaker: Trinitario Sánchez Montón
12:40-13:45	Pitch Session: From Engineering Disciplines to Health applications: Research in UPCT Short presentations of research groups related to engineering and health
13:45-14:00	Wrap up and closing Speaker: Roque Torres , Vicerrector Investigación UPCT

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