Dr. Sergio Curto is an Assistant Professor and Group leader Hyperthermia Research at the Radiotherapy Department of the Erasmus Medical Center (Rotterdam, The Netherlands). He obtained his Ph.D on antenna development for radio frequency hyperthermia applications at the Dublin Institute of Technology (Ireland). After his Ph.D, he worked as an Electrical Engineer at the company TRYO Aerospace (Madrid, Spain) for three and a half years. To pursue his career in the medical field, he moved to Kansas State University, KS, USA, where he worked as a postdoctoral fellow in Dr. Prakash lab. In 2016, he moved to Erasmus Medical Center to work with Prof. van Rhoon, and in 2021, he became Group leader responsible for hyperthermia research. As part of his clinical activities, he is responsible for translation of novel devices and techniques into the clinical routine. His research focuses on novel technology for improved cancer treatment using electromagnetic energy, which spans various research phases, from early innovations, development, and validation to clinical implementation. His areas of research include magnetic resonance (MR)-guided hyperthermia, treatment planning, quality assurance, magnetic nanoparticle hyperthermia, enhanced thermo-sensitive drug delivery, and ablation. His research is supported by national and international funding schemes as Dutch Cancer Society and Marie Sklodowska-Curie Actions, and industry.

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