

Efstratios Karavasilis is 41 years old and is an **Assistant Professor of Medical Physics at the Medical School of the Democritus University of Thrace**. He collaborated for eleven years with the Second Laboratory of Radiology (School of Medicine, National and Kapodistrian University of Athens). He graduated from the Department of Physics (University of Ioannina) in 2005 and holds an MSc (2008) and PhD (2016) in Medical Physics from the Department of Medicine (EKPA). He has trained in advanced neuroimaging techniques in Uppsala, Sweden (2012: European Society for Magnetic Resonance in Medicine and Biology) and analysis of large sample neuroimaging data using machine learning approaches in Munich, Germany (2018: 3rd PRONIA Machine Learning School–Personalized Prognostic Tools for Early Psychosis Management, LMU Munich, Department of Psychiatry and Psychotherapy). He has also been trained in image analysis processing using Matlab (2015, 2016: NKUA). **He has 13 years of experience in MRI imaging applied in a variety of clinical and research settings**. He specializes in introducing advanced MRI protocols to various anatomies, improving image quality, and applying conventional and state-of-the-art post-processing analysis methods for MRI data. His experience so far as an MRI Physicist/Application Specialist has translated into data quality processing of more than 50,000 clinical cases and principal/assistant in more than 30 research projects. Since 2012, he has given several lectures on fundamentals of MRI and neuroimaging techniques in undergraduate and graduate programs. He has also contributed to the methodological design and implementation of several doctoral and master's theses related to the application of functional magnetic resonance imaging and other structural neuroimaging techniques in healthy and diseased groups. Since 2016 he has actively participated in several public tenders for the acquisition of MRI/CT imaging equipment for NKUA (with a maximum total amount of 400,000), having experience in budget planning and dealing with practices. He has 8 years of research experience (paid/unpaid) with national and international collaborations. As an MRI physicist at the 2nd Department of Radiology, **he has participated in several European multicenter protocols** [the Parkinson Progression Marker Initiative (since 2019), the ACT14820 MOVES-PD protocol (since 2019), the E2609-G000-301 protocol (since 2019), the EPAD protocol (since 2019), the CLIMB-HD protocol (since 2017)] and the psychiatric groups [the PRONIA study (since 2016)], brain chemotherapy patients (2015 , THALIS Program MIS 380151) , and healthy controls (2014-2016: Full4Health). Also, during his two-year term at Democritus University, he participated in the research project A multimodal AI-based toolbox and an interoperable health imaging repository for the empowerment of imaging analysis related to the diagnosis, prediction, and follow-up of cancer (INCISIVE) (MIS: 952179) and Study of the interrelationships between neuro-imaging, neurophysiological and biomechanical biomarkers in stroke rehabilitation (NEUROBIOSTROKE) (MIS: 5047286) as principal investigator responsible for imaging and processing of MRI imaging data. **He has authored 76 papers in peer-reviewed journals, which have more than 1000 citations (h-index: 20; i10-index: 40)**. He has participated in many national and international conferences (Europe, USA) related to his field of expertise and his clinical and research interests. He has more than 100 publications in national and international refereed conferences. He is an invited speaker at over 10 national and international conferences. He is a reviewer for high-impact peer-reviewed journals. He has 6 awards for best study presentations at national (2 awards in 2017, 2023) and international (2016, 2017) conferences.