

Prof. Dr. Edson Amaro Jr (edson.junior@einstein.br)

Prof. Dr. Edson Amaro is a practicing neuroradiologist and Head of the Big Data Initiative based at the Albert Einstein Hospital, São Paulo. He graduated in Medicine from University of São Paulo in 1993. In 2000, he became the University of São Paulo's first PhD in functional Magnetic Resonance Imaging (fMRI) whilst also guiding Radiology residents through their medical training as a Chief Resident in 1997. In 2002 he finished a 2 year Wellcome Trust Visiting Fellowship at the Institute of Psychiatry and Maudsley Hospital, King's College London for a post-doc in fMRI. In 2002, he set up a functional neuroimaging group at University of São Paulo working with network analytics to understand brain function and joined the Department of Radiology at Albert Einstein Hospital establishing a program for clinical use of brain function MRI. He also conducted neuroimaging studies in CNS disorders and in 2003 he was appointed head of the Brain Institute from 2008 to 2012 at Albert Einstein Hospital. More recently, in 2015 he was appointed the head of the Big Data Initiative at Albert Einstein, and is leading this journey aimed at getting value out of data for health care. The projects are driven both by daily clinical (bed side and primary care) and management questions (cost/efficacy and resource optimization) as well as helping to lead the Institutional pathway to a Data Driven Health Care Organization. And from 2018-2020 he coordinated a Big Data and Innovation Project for the Ministry of Health (PROADI Big Data and Innovation) involving various University and groups to provide database and analytics pipelines to help and support decision making in public health system. Edson has co-authored over 200 papers in leading scientific journals in his research area.