



中国科学院生物物理研究所

贝时璋讲座

报告题目 The story of the initial dip in fMRI signal and the dynamics in resting fMRI data

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报告人简介

Dr. Hu obtained his Ph.D. in medical physics from the University of Chicago in 1988 and his post-doctoral training there from 1988-1990. From 1990-2002, he was on the faculty of the University of Minnesota, where he became a full professor in 1998. From 2002-2016, he was Professor and Georgia Research Alliance Eminent Scholar in Imaging in the Wallace H. Coulter joint department of biomedical engineering at Georgia Tech and Emory University and the director of Biomedical Imaging Technology Center in the Emory University School of Medicine.

In July 2016, Dr. Hu moved to UC Riverside to become professor and chair of bioengineering and director of center advanced neuroimaging. Dr. Hu has worked on the development and biomedical application of magnetic resonance imaging for 3 decades. Dr. Hu has authored or co-authored 275 peer-reviewed journal articles. His papers have been cited 20,000+ times (h-index: 77). As one of the early players, Dr. Hu has conducted extensive and pioneering work in functional MRI (fMRI), including methods for removing physiological noise, development of ultrahigh field fMRI, systematic investigation of the initial dip in the fMRI signal, Granger causality analysis of fMRI data, and, more recently, characterization of the dynamic nature of resting state fMRI data.