

Dr. Fatima T. Husain is a cognitive and computational neuroscientist by training, with a PhD from Boston University. Her research is centered around three major themes: (1) normal audition and speech perception, (2) disorders of the auditory system, particularly hearing loss and tinnitus, and (3) effects of aging on audition and cognition.

As a Research Fellow at the National Institute on Deafness and Other Communication Disorders (NIH), Dr. Husain worked on computational modeling and functional magnetic resonance imaging (fMRI) studies of sensory and categorical processing in normal hearing young adults, young Deaf adults, and older adults with and without hearing loss. Since 2008, she has been on the faculty at University of Illinois at Urbana-Champaign, where she is currently Associate Professor in the department of Speech and Hearing Science, the Neuroscience program and the Beckman Institute of Advanced Science and Technology. Her lab at UIUC has been a pioneer in using multimodal imaging techniques (fMRI, DTI, VBM, etc.) to understand the neural correlates of the heterogeneity seen in the tinnitus population. She has established several domestic and international collaborations to advance knowledge about neuroplasticity of tinnitus and accelerate its translation into improvement of tinnitus management in the clinic.