



Professor Jufang He

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Biography

Professor Jufang He is Acting Head, Wong Chun Hong Chair Professor of Translational Neuroscience and Chair Professor in the Department of Neuroscience at the City University of Hong Kong (CityU). Before joining the Department in September 2013, he had worked at RIKEN (Japan), University of Tokushima, and Advanced Research Laboratory of HITACHI Ltd altogether for 5 years, and The Hong Kong Polytechnic University for 15 years. He obtained a BEng and MEng degree in Engineering at the Harbin Institute of Technology, a Doctoral Degree in Medical Science at the University of Tokushima, and a second Doctoral Degree in Engineering at the University of Tokyo, Japan.

Professor He combines electrophysiological, anatomical, and engineering approaches to answer fundamental questions of hearing, and learning and memory. The works from his laboratory have been mainly published in *The Journal of Neuroscience*, *Journal of Neurophysiology*, and *The Journal of Physiology*. Currently, his lab has focused their energy on investigating the mechanism of memory encoding in the neocortex. How the medial temporal lobe participates in the encoding and retrieval of long-term neocortical memory? How the prefrontal cortex involves in attention and in maintaining the short-term memory in the neocortex? Besides Neurobiology, Professor He has developed an electronic “bat ear” for people with visual impairments and a “motolink” for bypassing the spinal cord injury. He is directing a collaborative team between Hong Kong-Chinese Academy of Sciences and CityU for developing a memory drug.