Professor Aike Guo
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Biography

Professor Aike Guo is member of the Chinese Academy of Sciences and researcher at Institute of Biophysics, Chinese Academy of Sciences. He is Director of Visual Information Processing Laboratory, Director of Learning Memory Laboratory, Director of Neurobiology Laboratory, Director of Academic Committee of Open Laboratory of Visual Information Processing and Director of Academic Committee of State Key Laboratory of Brain and Cognitive Science. He has served in the 973 Program "Basic Research on Brain Development and Plasticity", 973 Program "Research on Plasticity of Brain Structure and Function", CAS Strategic Pioneer Science and Technology Project (Class B) Frontiers and Intersections in Brain Science. He was the chief scientist of "Functional Connectivity Mapping of the Brain".

Professor Guo was a pioneer in cognitive research and biological cybernetics research of Drosophila in China. In 1993, he established the first laboratory in China to study learning and memory using Drosophila as a model animal. He proposed the academic idea of developing autonomous intelligent unmanned aerial vehicle clusters based on rapid visual mimicry of insects; developed the microscopic neural association group research method by combining electron microscopy and ultra-thin serial sections, etc. He has received awards including the Outstanding Achievement Award of the Asia-Pacific Neural Network Society, the Ho Leung Ho Lee Award for Progress in Science and Technology, and the Outstanding Scientific and Technological Achievement Award of Chinese Academy of Sciences. He has thought about the brain-intelligence relationship and the relationship between mind and matter from the perspective of complex system science and cross-species. His scientific dream is to "explore the essence of brain intelligence and illuminate the path of brain-like intelligence" from microscopic, mesoscopic, macroscopic and even cosmoscopic perspectives.