

# The Innovation Neurology: An international journal of neurological science

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The nervous system is the core of consciousness, cognition, emotion and behavior, and is the most intricate and mysterious system in the living world. From the perception of external signals to the generation of internal thinking, from the regulation of basic life activities to the construction of complex spiritual world, the nervous system is the foundation of human survival and development.

The exploration of the nervous system is a journey for human beings to know themselves, and throughout the history of human civilization, the exploration has never stopped. Early in the 5th century BC, Hippocrates proposed that the brain is the center of consciousness and sensation, overthrowing the cardiac-centric theory, which laid the foundational cornerstone for the scientific study of the nervous system. Jean-Martin Charcot established the world's first clinical system of neurology in the 19th century, which laid the clinical foundation for the discipline. The development of electroencephalography, neuroimaging and other technologies in the 20th century made the nervous system visible. Presently, the brain-computer interface technology bridged the gap between the brain and the external world, and opened up infinite possibilities for neurological rehabilitation and human-machine integration.

However, the complexity of the nervous system far exceeds human's current understanding, e.g., the pathogenesis and treatment of most neurological diseases is still unclear. How to break through the existing research bottleneck? how to translate basic research achievements into clinical application efficiently? how to build a precise prevention and treatment system for

neurological diseases? There are many challenges that neurology needs to solve urgently.

As a result, the demand for an international, interdisciplinary and high-level academic platform in the field of neurology is becoming increasingly urgent. To meet this demand, we launch **The Innovation Neurology**, a new international academic journal dedicated to the dissemination of research achievements in neurological science. The scope of **The Innovation Neurology** covers all aspects of neurological science and clinical neurology: from the molecular, cellular and circuit mechanisms of the nervous system to the pathogenesis and treatment of neurological diseases; from the development of new technologies and new methods for neurological research to the clinical translation and application of the innovative therapies; from the prevention and the precision diagnosis neurological diseases to the personalized treatment and rehabilitation.

**The Innovation Neurology** aims to build a open and collaborative academic communication platform for neurologists, neuroscientists, clinicians, and researchers in related fields around the world. We are willing to work with researchers from all over the world in the field of neurology, to explore the unknown of the nervous system with curiosity and perseverance, to break through the bottleneck of neurological disease research with innovative thinking and interdisciplinary methods, and to translate scientific research achievements into clinical practice with a pragmatic attitude.

Let us see the unseen and change the unchanged.

