

Special Issue

Brain Plasticity in Health and Disease

Message from the Guest Editor

The brain structure and function are continuously remodeled by plasticity, a process that confers the brain the remarkable ability to adapt and rewire during neurodevelopment, in adulthood and following pathological damage. Plasticity manifests at different scales, from synapses to microcircuits and large-scale networks. It actively shapes learning and memory, contributes to brain development and ensures the maintenance of neural homeostasis. In this Special Issue, we delve into the plastic processes, shedding light on how it evolves in physiological and pathological conditions. The Special Issue integrates observations spanning the molecular, cellular and system levels, and covers the latest research in neurophysiology, neuroimaging and computational modeling. We cordially invite you to participate in this Special Issue by presenting your most recent research on this topic. We welcome experimental papers, up-to-date review articles and commentaries. Dr. Pawan Sirwan Faris

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