Olfactory System and Brain Diseases: Investigating the Related Structures, Neurocircuits, and Functional Mechanisms

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Message from the Guest Editor

Dear Colleagues,

The sense of smell is an ancient sensory system that is part of the brain's limbic network controlling emotions and drives. Unsurprisingly, olfaction has been implicated in several neurological and neurodegenerative diseases. For example, a number of disorders including Alzheimer's, Parkinson's, Huntington's and multiple sclerosis are all accompanied by some loss of smell. Indeed, in many cases, olfactory decline presages the more devastating symptoms of these conditions. Disorders of mood, including depression and anxiety, are also associated with olfactory dysfunction both as causes and as effects. Thus, the olfactory system is, and will likely remain, a key component of efforts to discover the etiologies, treatments and eventual cures for a host of brain diseases which still cause so much human suffering. In this Special Issue, we invite original research and focused reviews from both basic and clinical scientists on any topic investigating the nexus between olfaction and neurological disease. We are particularly interested in work using modern technologies and investigating novel topics.

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Message from the Editor-in-Chief

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