Special Issue

Epigenetics, Environment, and Brain Disorders

Message from the Guest Editor

In the last 15 years, the brain epigenome has emerged as a biological substrate through which environmental and genetic risk factors can interact to bring about brain disorders. Epigenetic gene regulation is essential for normal brain development and, therefore, epigenetic disruption early in life can lead to lasting consequences for brain function and behavior. The brain epigenome continues to be plastic in the adolescent period and adulthood, further providing a substrate through which environmental exposures can affect brain gene expression, structure, and function. Although the current evidence strongly supports the epigenetic link between environmental risk factors and brain disorders, the issues of causality and underlying mechanisms have still to be addressed more thoroughly. We invite investigators to contribute original research articles, review articles, or short commentaries that will further stimulate the development of this field and provide new ideas on how to use this knowledge to improve our understanding of brain disorders, their diagnosis, early interventions, and treatments. Both animal and human studies are encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2018)

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Editor-in-Chief

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