Genetic, Epigenetic, Environmental, and Pharmacological Models for Neuroscience, Neurologic Diseases, and Psychiatric Disorders: Advancement in Bench-to-Bedside Translational Research

Guest Editor:

Dr. Masaru Tanaka
HUN-REN-SZTE Neuroscience Research Group, Hungarian Research Network, University of Szeged (HUN-REN-SZTE), Szeged, Hungary

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Message from the Guest Editor

Since the establishment of the use of animals for medical research in the mid-19th century by Claude Bernard, animal research has become an essential arena of neuroscience and experimental medicine for neurological diseases and psychiatric disorders. Currently, rodents, Caenorhabditis elegans, Drosophila melanogaster, and zebra fish are major players in the laboratory, but a growing number of other organisms are witnessed to be superior as research tools in neurosciences and behavioral sciences, such as rotifers, honeybees, locusts, sea slugs, squids, cuttlefish, turtle, and bats, among others. Developing animal models of human illnesses is a sine qua non, but a challenging task for translational research.

This Special Issue highlights the most recent advances in bench-to-bed translational research in the fields of neuroscience, neurology, psychiatry, and/or psychology.

We cordially invite authors to contribute original articles of laboratory or experimental medicine marking the significance of the manuscript in the last decade, review articles discussing the advancement of the specific area.

Special Issue

Editor-in-Chief

Prof. Dr. Felipe Fregni
1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

Message from the Editor-in-Chief

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