

Special Issue

Gene Expression and Chromatin Modification in the Brain

Message from the Guest Editor

Epigenetic machinery not only modulates gene expression in the brain but also influences processes such as DNA repair, neural development, and activities that completely alter the cellular status. In this Special Issue, we are inviting articles that focus on recent advances in chromatin modifications and their contributions to understanding the mechanisms that underlie neurodevelopment, aging, and neurodegenerative diseases. Relevant articles will focus on epigenetic alterations including DNA methylation and histone modifications responsible for changes in functional chromatin architecture. Exploring the intricacies of chromatin regulation should help to clarify epigenetic interactions that may lead to the discovery of novel targets for therapeutic interventions that can restore homeostatic brain functions. Writers are encouraged to submit the results of studies using animal models of human diseases. We also encourage the submission of results from diverse human populations that reflect the chromatin remodeling process involved in neuronal activity and brain diseases.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2021)

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About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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