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## Epigenetic Mechanisms Underlying Brain Development and Neuronal Activity

Guest Editors:

**Prof. Dr. Hehuang Xie**

Department of Biomedical Sciences and Pathobiology, Virginia-Maryland College of Veterinary Medicine, Blacksburg, VA 24061, USA

**Dr. Anna R. Moore**

Department of Biology, Temple University, 1900 N 12th St, Philadelphia, PA 19122, USA

**Prof. Dr. Wucheng Tao**

Key Laboratory of Brain Aging and Neurodegenerative Diseases, Fujian Medical University, Fuzhou, China

Deadline for manuscript submissions:

**closed (28 February 2023)**

### Message from the Guest Editors

Topics of interest include, but are not limited to, the following sections:

- Mechanisms in the regulation of brain function and behavior with regard to histone modifications and DNA methylation.
- Mechanisms in the regulation of brain functional roles *via* RNA methylation including N6-methyladenosine (m6A), 5-methylcytosine (5mC), and 5-hydroxymethylcytosine (5hmC).
- Crosstalk among transcription factors and the machinery of histone and DNA modifications during brain development at all developmental stages: cell proliferation, migration, differentiation, and circuit formation and refinement.
- Large-scale genetic or epigenetic marker discovery linked to neurodevelopmental disorders.
- Bioinformatics tools with novel statistical approaches, machine learning, neural nets or computational procedures/pipelines to provide unique insight in data interpretation for brain single cell analysis, “omics” data integration and mining.
- Review articles on the latest advances in brain epigenetic mechanisms or recent development of experimental and analytical tools for (DNA/RNA)-epigenetic/omics studies with applications to neural/brain disorders and aging progression.





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Research Programme in  
Molecular and Integrative  
Biosciences, Faculty of Biological  
and Environmental Sciences,  
University of Helsinki, P.O. Box  
56, FI-00014 Helsinki, Finland

### Prof. Dr. Andrés Moya

Integrative Systems Biology  
Institute, University of Valencia  
and CSIC, 46980 Valencia, Spain

## Message from the Editorial Board

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*Biology* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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