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## The Contribution of Epigenetic Inheritance Processes in Learning and Memory

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### Message from the Guest Editor

Experiences and different environmental factors can contribute to age-related cognitive decline and Alzheimer's disease (AD). So far, it is well accepted that epigenetic modifications occurring during lifetime play an important role in the disease. On the other hand, little is known about the epigenetic inheritance of chronic diseases. Epigenetic inheritance refers to the transmission of several epigenetic marks to offspring, who inherit the phenotype in the absence of the external signal. Thus, the mechanisms underlying this transgenerational memory of the environment and its consequences on the successive generations remains unexplored and might involve several epigenetic mechanisms, contributing to the risk of chronic disease later in life on the successive generations. This Special Issue will be focused on those epigenetic changes from early life through to adulthood.



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# Special Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

In the past years the growth of the epigenetic field has been outstanding, from here the need of a journal where to centralize all new information on the subject. The term epigenetics is now broadly used to indicate changes in gene functions that do not depend on changes in the sequence of DNA. *Epigenomes* covers all areas of DNA modification from single cell level to multicellular organism as well as the epigenetics on human pathologies and behavior.

*Epigenomes* (ISSN 2075-4655) is a fully peer-reviewed publication outlet with a rapid and economical route to open access publication. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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