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Epigenetic Regulation of Development, Cellular Differentiation, and Disease Progression/Protection in Adults

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Deadline for manuscript
submissions:
closed (15 April 2023)

Message from the Guest Editors

Dear Colleagues,

Epigenetic changes drive early embryonic and later stages of development. These epigenetic modifications are necessary for successful development throughout early life and are associated with a youthful, healthy epigenetic landscape, but age-related epigenetic changes can cause a multitude of pathologies in adulthood. As such, an epigenetic clock can reflect changes that occur with aging. Alzheimer's disease, cancer, cardiovascular disease, and diabetes are some of the more well-studied diseases associated with an aged epigenetic landscape. This Special Issue aims to explore current research concerning epigenetic changes that govern human development, both embryonic and later cell stages, along with age-related epigenetic changes that drive pathologies later in life. We invite the submission of manuscripts concerning, but not limited to, the following keywords regarding epigenetic contributions to development and aging.

We are pleased to invite you to contribute original articles, reviews, communications, etc. We look forward to your contributions to this Special Issue.



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Special Issue



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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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