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Single Cell Epigenomics

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Deadline for manuscript submissions:
closed (31 December 2018)

Message from the Guest Editors

Dear Colleagues,

Key aspects of biology frequently occur in small numbers of specialized cells, where the local action of transcription factors, chromatin remodelers, and chromatin modifiers govern downstream biological events.

This Special Issue is focused on single cell and ultra-low input approaches to epigenetics. We will consider reviews, research or method manuscripts of exceptional interest on the following topics:

- Genome-wide analysis of histone modification(s) or chromatin accessibility in single cells or small numbers of cells
- Alternative methods to conventional chromatin immunoprecipitation applicable to single cells or small numbers of cells
- Genome-wide analysis of DNA methylation in single cells or small numbers of cells
- Technical advances in experimental platform and instrumentation that empower single cell epigenetic data collection
- Advances in single cell epigenetic data analysis, including methods for inferring cell state trajectories, integrating multiple layers of epigenomic data, and testing for differences in epigenetic profiles between states or conditions.

Dr. Paul A. Wade
Dr. Justin A. Colacino
Guest Editors

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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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