



Polycomb and Trithorax Group of Proteins in Development and Disease 2.0

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Cellular identity and organism development are mediated by two large groups of proteins: the Polycomb group (PcG), which represses transcription, and the Trithorax group (TrxG), which activates transcription. The tight regulation and coordination of both protein families is fundamental to properly coordinate cellular programs that will enable development and differentiation. Deregulation of proteins belonging to PcG or TrxG families leads to a wide spectrum of developmental disorders and diseases, including cancer. This Special Issue is focused on the function of PcG and TrxG complexes, both in development and disease. We will consider reviews, research, or method manuscripts of exceptional interest on the following topics:

- PcG or TrxG proteins in the development of any model organism;
- The role of PcG or TrxG components in disease;
- The role of PcG or TrxG in gene regulation and chromatin architecture.





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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.

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