Special Issue

Non-coding RNAs in Stem Cell Differentiation and Disease

Message from the Guest Editor

Recently, ncRNAs have increasingly been discovered to be crucial multipurpose regulators of all biological processes; therefore, they have gained potential functions as biomarkers or as therapeutic targets. Importantly, the alteration in ncRNA expression has been correlated with different diseases. In stem cell differentiation, these molecules can control cell fate, regulating the commitment of stem cells to a certain lineage. Originating from “the dark matter” of the genome, ncRNAs have been identified in all cell types and in intercellular communication mediated by extracellular vesicles, making them viable candidates for diagnostic, prognostic, and therapeutic targets. This Special Issue aims to establish the emerging role of ncRNAs both in stem cell differentiation and pathological conditions and to identify the regulatory functions of these molecules. This Special Issue welcomes submissions in the form of original articles, reviews, and short communications. This Special Issue will give readers insights into the latest discoveries and advances regarding ncRNA function in stem cell differentiation, as well as in disease progression and/or prevention.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

This field finally has a dedicated journal where its broad community can communicate and exchange its latest findings in one centralized place. This field was built stone by stone from the many scientific contributions from extremely diverse horizons, studying gene silencing in plants, position effect variegation in drosophila or quelling in fungi. This field has achieved maturity, but a lot remains to be discovered! Our aim is to publish manuscripts from all horizons that will have a high impact on the development of the field. Let's have fun and wish *Non-Coding RNA* a long and rewarding life!

Editor-in-Chief

Prof. Dr. George A. Calin
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