

Special Issue on
**Genetic and Epigenetic Regulation Networks: Governing
from Cardiovascular Development to Remodeling**

CALL FOR PAPERS

In the past few years, knowledge about genetic and epigenetic changes in biological processes is rapidly increasing. Novel genetic and epigenetic alterations related to normal development and disease pathogenesis are continuously discovered. In the area of cardiovascular research, epigenetic variants, including DNA methylation, histone modification, histone variation, and control of noncoding RNAs, initiated a new way of understanding cardiac development and cardiovascular diseases, leading to the development of novel therapies against cardiovascular diseases.

This special issue will focus on the recent discoveries of genetic and epigenetic regulation networks that contribute to cardiovascular development and remodeling. We invite investigators to contribute original research articles as well as review articles that will stimulate the continuing efforts to identify the genetic and epigenetic regulation approaches associated with embryonic cardiogenesis, and to reveal the mechanisms by which genetic and epigenetic changes regulate the stress response, signaling, and remodeling in cardiac pathologies. We are also interested in articles describing the new discovery in the clinical characterization of the transcriptional and epigenetic regulation in proper heart development, cardiac homeostasis, and remodeling.

Potential topics include but are not limited to the following:

- ▶ Mutations in cardiovascular development and remodeling
- ▶ Common variants in cardiovascular development and remodeling
- ▶ DNA methylation in cardiovascular development and remodeling
- ▶ Histone modification in cardiovascular development and remodeling
- ▶ Histone variants in cardiovascular development and remodeling
- ▶ Noncoding RNAs in cardiovascular development and remodeling

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/cardiology/erng/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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Submission Deadline

Friday, 7 October 2016

Publication Date

February 2017