

Special Issue on
**Regulation of Vascular Tone in Health and Disease:
Mechanisms and Potential Therapies**

CALL FOR PAPERS

A multitude of factors converge, through an intricate interplay, on vascular tissue to set vascular tone at any given moment. Among those are neuronal, humoral, and vascular tissue inherent mechanisms that are modified by various physiological inputs leading to a continuous feed of signals into the vasculature. The relative contribution of each of these stimuli varies according to the vessel size and the vascular bed under study. The exponential growth in the burden of vascular complications associated with diseases such as hypertension, atherosclerosis, obesity, and diabetes, including the early stages of metabolic syndrome, provides a strong argument for seeking a better understanding of the underlying molecular changes that result in the increase in morbidity and mortality which is associated with such diseases. In the past decade, the availability of new drugs together with the evidence provided by clinical and experimental studies has increased dramatically such that we should expect to see a reduction in the impact of vascular complications on morbidity and mortality.

We invite authors to submit original research and review articles that aim to enhance the current understanding of the molecular events leading to regulation of vascular tone together with the potential changes that accompany vascular pathologies. In addition, work addressing the role of both available and emerging medications in mitigating cardiovascular risk is also encouraged.

Potential topics include but are not limited to the following:

- ▶ Molecular regulation of vascular function
- ▶ Integrative regulation of vascular tone
- ▶ Contribution of derangements in vascular signaling to disease
- ▶ Contribution of endothelial dysfunction to vascular disease
- ▶ Animal models of vascular dysfunction
- ▶ Mechanism of abnormal gross cardiovascular response in disease conditions
- ▶ Vascular anti-inflammatory effect of available medication with a cardiovascular risk advantage
- ▶ Recent advances in cardiovascular drug development/delivery

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

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