



# CALL FOR PAPERS

The epidemic of metabolic disorders is currently subject of intense research. Cardiac cells are both key regulators and targets of a wide range of hormones and growth factors that control their energy metabolism. These ligands regulate and modify intracellular nutrient disposal, bioenergy sensors, and primary energy substrates, which result in acute and chronic metabolic cardiovascular remodeling.

The role of hormones and growth factors in controlling cardiovascular function is currently of the highest impact, especially in several medical conditions including metabolic syndrome, cardiac hypertrophy, obesity, diabetes mellitus, hypertension, and atherosclerosis.

Research on cellular/molecular mechanisms of hormones and growth factors involves ligand/receptor interactions, downstream signaling pathways, posttranslational control of effector proteins, regulation of gene expression, and integrative systemic effects. The understanding of these mechanisms is important in clinical evaluation and pharmacological interventions.

Potential topics include, but are not limited to:

- ▶ Regulation of energy metabolism processes by endocrine, paracrine, autocrine, or intracrine signals in cardiovascular cells
- ▶ Regulation of energy metabolism processes by intracellular second messengers in cardiovascular cells
- ▶ Signaling pathways controlling energy metabolism in the cardiovascular systems
- ▶ Regulation of cardiovascular energy metabolism effectors
- ▶ Cardiovascular metabolism in pathologies (metabolic syndrome, cardiac hypertrophy, diabetes, and obesity)

We are soliciting original research and review articles focused on the integration of metabolic actions of hormones (peptides, steroidal, and synthetic hormones) and growth factors on cardiac cells including, but not restricted to, metabolic, bioenergetics, molecular/cellular, biochemical, genetic, phenotypic, physiologic, and pathophysiological studies. Our aim is to attract a wide range of researchers for this call for papers. Some of the papers in this issue will be invited by our guest editors. All papers will be initially screened by the guest editors and then sent out for peer-reviewing in accordance with standard journal procedures.

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ije/mhmc/>.

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Friday, 19 December 2014

#### **First Round of Reviews**

Friday, 13 March 2015

#### **Publication Date**

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