Special Thematic Issue for Current Vascular Pharmacology

Title of thematic issue: Insulin therapy, insulin resistance and vascular dysfunction

Guest Editors: Luis Sobrevia, Carmen M Vázquez

Aims & Scope: Insulin is a key hormone involved in the modulation of vascular tone. Several diseases with altered response to this hormone show with dysregulation of vascular tone, hypertension, and abnormal regulation of substrates transport and membrane receptors signaling. Insulin therapy, insulin resistance and vascular dysfunction in pregnancy diseases and other disorders such as hyperglycaemia, obesity, metabolic syndrome, kidney diseases, lipid disorders, cancer, angiogenesis, lipid metabolism, oxidative stress, has not been well summarized in the literature. This special issue covers the cellular alterations and metabolism of vascular cells in a context of insulin resistance.

Keywords: insulin resistance; vascular dysfunction; insulin receptors; obesity; hypertension; kidney disease; aging; intracellular pH

Subtopics:
The subtopics to be covered within this issue are listed below:

- Vascular response to insulin in hyperglycaemia
- Mechanisms of vascular insulin resistance in obesity
- Insulin resistance and adenosine in vascular dysfunction in kidney disease
- Insulin therapy in pregnancy hypertensive diseases
- Insulin therapy and vascular dysfunction in patients with chronic kidney disease
- Vascular dysfunction and insulin resistance in aging
- Blood vessels in zebrafish diabetes models and its regulation by the metabolomic
- Exosomes and insulin
- pHi, pHo, and insulin

Schedule:

✧ Manuscript submission deadline: May 28, 2019
✧ Peer Review Due: July 28, 2019
✧ Revision Due: August 28, 2019
✧ Announcement of acceptance by the Guest Editors: September 15, 2019
✧ Final manuscripts due: September 30, 2019

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