Tentative Outline

Special Issue for Current Medicinal Chemistry

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The different facets of cardio-metabolic diseases and related complications: current perspective and future developments

Aims & Scope:

Cardio-metabolic complications are multifactorial diseases with different facets, some of which are poorly understood, although genetics, epigenetics, humoral, habitual and environmental factors may be involved. Moreover, with the dramatic escalation of obesity, diabetes and hypertension in all segments of the population including adults, adolescence and children, the incidence of cardio-metabolic disease and related complications will further increase. Therefore, this special issue will put together a collection of state-of-the-art reviews by leading experts in the area to give a critical appraisal of the current state of knowledge and recent accomplishments as well as challenges and future directions.

Keywords: Bile acids, cardio-metabolic diseases, Fabry disease, Biomarkers.

Sub topics:

- Bile acids in the treatment of cardio-metabolic diseases.
- Biomarkers for diagnosing and staging of Fabry disease
- The etiology of visceral obesity and its role in the pathogenesis of cardiometabolic disease
- Use of synergistic effect of MMPs, kinases and NO synthase inhibitors for protection of heart from I/R injury
- Effects of polyphenolic derivatives on HO-system in metabolic dysfunctions
- The Impact of Obese-Insulin Resistance on the Outcome of Ischemia-Reperfusion Insult to the Heart
- Cell therapy for Cardiovascular Disease…Beyond state of the art
- Pigment epithelium-derived factor: A novel therapeutic target for cardiometabolic diseases and related complications
- Role of PCSK9 antibodies in the treatment of patients with statin-intolerance and hypercholesterolemia
- Apo-CIII antisense oligonucleotides: A new option for the treatment of hypertriglyceridemia
- A Critical Appraisal of Monotherapy and Combination Therapy in the Treatment and Management of Hypertension.
- Advances in therapeutic insulin and insulin-sensitizing drugs in the treatment and management of diabetes.
- Novel approaches to manage cardio-metabolic diseases and related complications: focus on novel anti-diabetic agents.

Tentative Publication Date: September 2017