Aims & Scope:
In our aging society, cardiovascular disease (CVD) causes 18 million deaths annually and leads to overwhelming economic costs and human burdens. Therefore there is an urgent need to find appropriate strategies to afford cardioprotection. Cardiovascular health may be preserved and CVD can be fought with interventions aimed at protection, repair and regeneration of the heart. The aim of this issue is to review the new insights in the fields of CVD prevention, cardioprotection and cardiac regeneration. Particular emphasis will be given to the aspects that can have profound influence on the design of new interventions to target CVD, including redox balance, mitochondrial function, and epigenetic and genetic aspects. Innovative approaches in preventing cardiomyopathy and heart failure, including cell therapy and novel compounds for drug development will be also reviewed. Finally, the evidence about the intricate interplay between CVD, the gastrointestinal apparatus and foods on cardiac drugs will be also reviewed.

Key words: Cardioprotection; Cardiovascular pharmacology, Preconditioning; Postconditioning; Redox balance; Stem cells.

Subtopics:
New insight on myocardial nitroso-redox balance.
Preconditioning and postconditioning.
Mitochondria in cardiovascular health and disease.
Cardiac resident and non-resident stem/progenitor cells.
Genetic and epigenetic regulation of myocardial regeneration.
Role of membrane channels in the heart: function, dysfunction and pharmacology.
Gut-food-drug interactions and their effects on cardiac health.

Schedule:
Manuscript submission deadline: October 2014
Peer Review Due: November 2014
Revision Due: December 2014
Notification of acceptance by the Guest Editor: January 2015
Final manuscripts due: February 2015