Announcement

Review Focus on

New Insights into the Molecular Basis of Atrial Fibrillation: Mechanistic and Therapeutic Implications
to be published in March, 2011

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Cardiovascular Research publishes occasional Review Focus Issues devoted largely to a specific research topic. These issues contain a number of expert reviews, and part of each issue is reserved for original research papers. All papers are subjected to the normal peer review process (an editorial decision is usually made within 22 days of receipt of any manuscript). The authors of accepted manuscripts are given the option of publication in a regular issue of the Journal or in the Review Focus Issue.

A Review Focus Issue on atrial fibrillation is scheduled to appear in March, 2011. Atrial fibrillation is an area of enormous clinical relevance. Driven by this clinical importance, unmet therapeutic needs and rapid progress in basic research technology, enormous advances in understanding the molecular basis of the arrhythmia have occurred over the past few years. This Review Focus Issue will contain a number of important cutting-edge reviews addressing the role of genetic background, microRNA, atrial fibroblasts, key ion channels and the spatiotemporal organisation and dynamics of tissue conduction in arrhythmia development and the potential therapeutic implications.

Preliminary topics of invited review articles related to the the molecular basis of atrial fibrillation include:

1. Genome-wide association studies and AF susceptibility
2. Monogenic causes of AF
3. Dysfunctional ryanodine receptors and AF promotion
4. Atrial fibroblast function and therapeutic implications
5. MicroRNA and atrial arrhythmogenesis
6. Ultra-rapid delayed rectifier channels as a drug target
7. Spatial organisation of Ca$^{2+}$ signalling and conduction
8. Dynamics of AF and ablation therapy

We invite you to contribute original manuscripts based on your research related to the above-mentioned topics to the upcoming Review Focus Issue on the molecular basis of atrial fibrillation. Please select the article type “Spotlight Issue – Original Article” upon submission of your manuscript online.

Deadline for submission of manuscripts: July 1, 2010
Expected publication date: March 1, 2011