



Immune Cell Behavior

Immune system is an essential component in our body that protects us against invasion into our body, to guarantee our survival. The most important immune cells in our system are the white blood cells which include phagocytes and lymphocytes. In cardiovascular system, damage to the organs will trigger inflammatory response, orchestrated by immune cells. Disturbances to the immune system may cause inflammation related cardiovascular disease such as atherosclerosis, myocardial infarction, hypertension and many others.

The main focus of the Special Issue on Immune Cell Behavior is to comprehensively review the role of immune cell behavior in cardiovascular disease, and its possible modulation by drugs and potential phytochemicals. Topics of interests for the planned Special Issue of *Reviews in Cardiovascular Medicine* include but not limited to:

1. Molecular mechanisms of immune cell behavior in cardiovascular disease.
2. Modulation of immune cell behavior by phytochemicals in cardiovascular disease.
3. Modulation of immune cell behavior by cardiovascular drugs.
4. Role of transcription factors in cardiovascular immune system.
5. Role of immune cells in inflammatory response in cardiovascular disease.
6. Immune cells-targeted therapy in cardiovascular disease.

The overall goal of this Special Issue is to provide more understanding to readers regarding the behavior of the immune cells that play a role in cardiovascular disease. Authors are invited to submit their reviews, original research articles, systematic reviews, case reports and short communications to the special issue. (Message from the Guest Editors)

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Submission Deadline: 1 April 2020

Submission: <https://rcm.imrpress.org>

Impact Factor: 0.61

Contact us: RCMeditorial@imrpress.org



IMR PRESS

Reviews in Cardiovascular Medicine Online ISSN: 2153-8174

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Message from the Editor-in-Chief

Reviews in Cardiovascular Medicine was launched in 2000 by MedReviews, LLC, in New York, NY. This journal was conceived to fill a critical gap for clinicians who were struggling with a rapidly expanding knowledge base in cardiovascular medicine with the convergence of basic science, clinical epidemiology, and therapeutic clinical trials. The founding co-editors were David P. Faxon, MD, past president of the American Heart Association, and Norman E. Lepor, MD, who is considered a luminary in interventional cardiology. The contributing editorial board grew over time and Dr. Peter A. McCullough, MD, MPH ascended from contributing, to associate, to co-editor of the *Journal*. In 2018, the *Journal* took its next big step under the leadership of Dr. McCullough as editor-in-chief to become a truly international publication. Its offices moved to IMR Press in Hong Kong, and the editorial board was made more inclusive and representative of the world-wide contributors in academic cardiology. Additionally, the *journal* brought on expertise in translational medicine to help face the future of molecular medicine and its role in cardiovascular disease. Today *Reviews in Cardiovascular Medicine* is considered a top tier journal in cardiology with timely and comprehensive reviews covering all aspects of cardiovascular medicine including atherosclerosis, myocardial disease, arrhythmias, and valvular heart disease. The scope of papers ranges from population science, applied basic investigation, *in-vitro* diagnostics, and evidence-based strategy and therapeutic trials involving both pharmacologic intervention and interventional devices. The highly integrative style of the *Journal* anchored with evidence tables and instructive figures has garnered many citations over the years and many guidelines documents have relied upon works published in *Reviews in Cardiovascular Medicine*. Supplement and focus issues have been very popular among the readership and often are viewed as the most up-to-date compilations of new knowledge in cardiology and related specialities. The future is bright for academic cardiovascular medicine and *Reviews in Cardiovascular Medicine* is well positioned along side the clinician-investigator in the years to come as a trusted source of critical information and analysis.

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Reviews in Cardiovascular Medicine Online ISSN: 2153-8174

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