American Journal of Physiology-Heart and Circulatory Physiology

Scope of Journal

The American Journal of Physiology - Heart and Circulatory Physiology publishes original investigations on the physiology of the heart, blood vessels, and lymphatics, including experimental and theoretical studies of cardiovascular function at all levels of organization ranging from the intact animal to the cellular, subcellular, and molecular levels. It embraces new descriptions of these functions and of their control systems, as well as their bases in biochemistry, biophysics, genetics, and cell biology. Preference is given to research that provides significant new insights into the mechanisms that determine the performance of the normal and abnormal heart and circulation.

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Editor’s Selected Articles

Differential vulnerability of skeletal muscle feed arteries to dysfunction in insulin resistance: impact of fiber type and daily activity
Shawn B. Bender, Sean C. Newcomer, and M. Harold Laughlin

Myostatin from the Heart - Local and Systemic Actions in Cardiac Failure and Muscle Wasting
Astrid Breitbart, Mannix Auger-Messier, Jeffery D. Molkentin, and Joerg Heineke

Regulation of in vivo cardiac contractility by phospholemman: role of Na+/Ca2+ exchange

Catechin treatment improves cerebrovascular flow-mediated dilation and learning abilities in atherosclerotic mice
Annick Drouin, Virginie Bolduc, Nathalie Thorin-Trescases, Elisabeth Belanger, Priscilla Fernandes, Edward Baraghis, Frederic Lesage, Marc-Antoine Gillis, Louis Villeneuve, Edith Hamel, Guylaine Ferland, and Eric Thorin

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