

2020 Science Publications from our MMRI Team

aYAP modRNA reduces cardiac inflammation and hypertrophy in a murine ischemia-reperfusion model. Chen J, ..., **Kontaridis M**, ..., **Lin Z**. *Life Sci Alliance*. 2019 Dec 16;3(1):e201900424.

Transcriptional and Cellular Diversity of the Human Heart. **Tucker NR**, et al., *Circulation*. 2020 May 14.

The sixth international RASopathies symposium: Precision medicine-From promise to practice. Gripp KW, ..., **Kontaridis MI**, et al., *Am J Med Genet A*. 2020 Mar;182(3):597-606.

Hand Sanitizers: A Review on Formulation Aspects, Adverse Effects, and Regulations. Jing LJ, ..., **Bose RJC**, **McCarthy JR**, et al., *Int J Environ Res Public Health*. 2020 May 11;17(9):3326.

Transethnic Genome-Wide Association Study Provides Insights in the Genetic Architecture and Heritability of Long QT Syndrome. Lahrouchi N, ..., **Pfeiffer R**, et al., *Circulation*. 2020 May 20.

Loss of UGP2 in brain leads to a severe epileptic encephalopathy, emphasizing that bi-allelic isoform-specific start-loss mutations of essential genes can cause genetic diseases. Perenthaler E, ..., **Ercan-Sencicek AG**, et al, *Acta Neuropathol*. 2020 Mar;139(3):415-442.

Direct SARS-CoV-2 infection of the heart potentiates the cardiovascular sequelae of COVID-19. **Bose RJC**, **McCarthy JR**. *Drug Discov Today*. 2020 Jun 24:S1359-6446(20)30249-X.

Remodeling Promotes Proarrhythmic Disruption of Calcium Homeostasis in Failing Atrial Myocytes. Shiferaw Y, **Aistrup GL**, et al., **Biophys J**. 2020 Jan 21;118(2):476-491.

Reconstructed Apoptotic Bodies as Targeted "Nano Decoys" to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells. **Bose RJC**, ..., **McCarthy JR**, et al., *ACS Nano*. 2020 May 26;14(5):5818-5835.

Triggered Ca²⁺ Waves Induce Depolarization of Maximum Diastolic Potential and Action Potential Prolongation in Dog Atrial Myocytes. Gussak G, ..., **Aistrup GL**, **Cordeiro JM**, **Goodrow R**, et al., *Circ Arrhythm Electrophysiol*. 2020 Jun;13(6):e008179.

Protein arginine methyltransferase 6 mediates cardiac hypertrophy by differential regulation of histone H3 arginine methylation. Raveendran VV, ..., **Poizat C**. *Heliyon*. 2020 May 12;6(5):e03864.

Attenuation of Oxidative Injury with Targeted Expression of NOX2 shRNA Prevents Onset and Maintenance of Electrical Remodeling in the Canine Atrium: A Novel Gene Therapy Approach to Atrial Fibrillation. Yoo S, ..., **Aistrup GL**, et al., *Circulation*. 2020 Jul 20.