

Publications for James Chong

2020

Deshmukh, T., Emerson, P., Anderson, P., Kizana, E., O'Connell, P., Holmes-Walker, J., Chong, J. (2020). Cardiac Autonomic Neuropathy Is Not Reversed by Euglycemia Following Islet Transplantation. *Transplantation*, In Press. [More Information]

Chong, J., Thompson, P. (2020). Clarifying the Role of Stem Cells in Cardiac Clinical Therapeutics - Guest Editorial. *Clinical Therapeutics*, 42(10), 1854-1856. [More Information]

Farraha, M., Lu, J., Trivic, I., Barry, M., Chong, J., Kumar, S., Kizana, E. (2020). Development of a sheep model of atrioventricular block for the application of novel therapies. *PLoS One*, 15(2), e0229092. [More Information]

Ravindran, D., Kok, C., Farraha, M., Selvakumar, D., Clayton, Z., Kumar, S., Chong, J., Kizana, E. (2020). Gene and Cell Therapy for Cardiac Arrhythmias. *Clinical Therapeutics*, 42(10), 1911-1922. [More Information]

White, S., Chong, J. (2020). Growth factor therapy for cardiac repair: an overview of recent advances and future directions. *Biophysical Reviews*, 12(4), 805-815. [More Information]

White, S., Chong, J. (2020). Mesenchymal Stem Cells in Cardiac Repair: Effects on Myocytes, Vasculature, and Fibroblasts. *Clinical Therapeutics*, 42(10), 1880-1891. [More Information]

Thavapalachandran, S., Grieve, S., Hume, R., Le, T., Raguram, K., Hudson, J., Pouliopoulos, J., Figtree, G., Dye, R., Barry, A., Coffey, S., Rashid, F., Kizana, E., Asli, N., Chong, J., et al (2020). Platelet-derived growth factor-AB improves scar mechanics and vascularity after myocardial infarction. *Science Translational Medicine*, 12(524), 1-11. [More Information]

Selvakumar, D., Clayton, Z., Chong, J. (2020). Robust Cardiac Regeneration: Fulfilling the Promise of Cardiac Cell Therapy. *Clinical Therapeutics*, 42(10):10, 1857-1879. [More Information]

Hume, R., Chong, J. (2020). The Cardiac Injury Immune Response as a Target for Regenerative and Cellular Therapies. *Clinical Therapeutics*, 42(10), 1923-1943. [More Information]

2019

Farraha, M., Barry, M., Lu, J., Pouliopoulos, J., Le, T., Igoor, S., Rao, R., Kok, C., Chong, J., Kizana, E. (2019). Analysis of recombinant adeno-associated viral vector shedding in sheep following intracoronary delivery. *Gene Therapy*, 26(9), 399-406. [More Information]

[More Information]

Chong, J., Prince, R., Thompson, P., Thavapalachandran, S., Ooi, E., Devine, A., Lim, E., Byrnes, E., Wong, G., Lim, W., Lewis, J. (2019). Association Between Plasma Neutrophil Gelatinase-Associated Lipocalin and Cardiac Disease Hospitalizations and Deaths in Older Women. *Journal of the American Heart Association*, 8(1), 1-13. [More Information]

Kott, K., Vernon, S., Hansen, T., Yu, C., Bubb, K., Coffey, S., Sullivan, D., Yang, J., O'Sullivan, J., Chow, C., Patel, S., Chong, J., Celermajer, D., Kritharides, L., Grieve, S., Figtree, G. (2019). Biobanking for discovery of novel cardiovascular biomarkers using imaging-quantified disease burden: protocol for the longitudinal, prospective, BioHEART-CT cohort study. *BMJ Open*, 9(9), 1-9. [More Information]

Chong, J., Thavapalachandran, S., Ong, A. (2019). Considerations for Treating Patients With Chronic Total Occlusion of Coronary Arteries. *Heart, Lung, and Circulation*, 28(10), 1452-1453. [More Information]

Le, T., Pickett, H., Yang, A., Ho, J., Thavapalachandran, S., Igoor, S., Yang, S., Farraha, M., Voges, H., Hudson, J., Dos Remedios, C., Bryan, T., Kizana, E., Chong, J. (2019). Enhanced cardiac repair by telomerase reverse transcriptase over-expression in human cardiac mesenchymal stromal cells. *Scientific Reports*, 9(1), 1-17. [More Information]

Perdomo, J., Leung, H., Ahmadi, Z., Yan, F., Chong, J., Passam, F., Chong, B. (2019). Neutrophil activation and NETosis are the major drivers of thrombosis in heparin-induced thrombocytopenia. *Nature Communications*, 10(1), 1-14. [More Information]

Qian, P., Barry, M., Lu, J., Al Raisi, S., Mina, A., Ryan, J., Bandodkar, S., Alvarez, S., James, V., Ronquillo, J., Clayton, Z., Chong, J., Kovoov, P., Pouliopoulos, J., McEwan, A., Thiagalingam, A., Thomas, S., et al (2019). Transcatheter microwave ablation can deliver deep and circumferential perivascular nerve injury without significant arterial injury to provide effective renal denervation. *Journal of Hypertension*, 37(10), 2083-2092. [More Information]

Ke, B., Zeng, Y., Zhao, Z., Han, F., Liu, T., Wang, J., Khaliq, A., Lu, W., Chong, J., Lan, F., et al (2019). Uric acid: a potent molecular contributor to pluripotent stem cell cardiac differentiation via mesoderm specification. *Cell Death and Differentiation*, 26(5), 826-842. [More Information]

2018

Qian, P., Barry, M., Lu, J., Al Raisi, S., Mina, A., Ryan, J., Bandodkar, S., Alvarez, S., James, V., Ronquillo, J., Varikatt,

W., Clayton, Z., Chong, J., Kovoov, P., Pouliopoulos, J., McEwan, A., Thiagalingam, A., Thomas, S. (2018). Development and Validation of a Novel Microwave Transcatheter Renal Denervation System and an Intraprocedural Physiological End Point for Renal Sympathetic Denervation. *66th Cardiac Society of Australia and New Zealand Annual Scientific Meeting*, Brisbane, Australia: Elsevier Ltd. [More Information]

Farraha, M., Kumar, S., Chong, J., Cho, H., Kizana, E. (2018). Gene Therapy Approaches to Biological Pacemakers. *Journal of Cardiovascular Development and Disease*, 5(4), 1-17. [More Information]

Le, T., Pickett, H., Dos Remedios, C., Barbaro, P., Kizana, E., Chong, J. (2018). Platelet-Derived Growth Factor Receptor-Alpha expressing cardiac progenitor cells can be derived from previously cryopreserved human heart samples. *Stem Cells and Development*, 27(3), 184-198. [More Information]

Qian, P., Barry, M., Lu, J., Mina, A., Ryan, J., Bandodkar, S., Alvarez, S., James, V., Ronquillo, J., Varikatt, W., Clayton, Z., Chong, J., Al Raisi, S., Kovoov, P., Pouliopoulos, J., McEwan, A., Thiagalingam, A., Thomas, S. (2018). TRANSCATHETER MICROWAVE ABLATION CAN PRODUCE DEEP CIRCUMFERENTIAL PERIVASCULAR ABLATION AND EFFECTIVE RENAL DENERVATION WITHOUT SIGNIFICANT ARTERIAL INJURY. *Meeting of the American College of Cardiology 2018 (ACC.18)*, Orlando, Florida, USA: Elsevier Inc. [More Information]

Le, T., Ogawa, M., Kizana, E., Gunton, J., Chong, J. (2018). Vitamin D Improves Cardiac Function After Myocardial Infarction Through Modulation of Resident Cardiac Progenitor Cells. *Heart, Lung, and Circulation*, 27(8), 967-975. [More Information]

2017

Le, T., Thavapalachandran, S., Kizana, E., Chong, J. (2017). New Developments in Cardiac Regeneration. *Heart, Lung, and Circulation*, 26(4), 316-322. [More Information]

2016

Le, T., Chong, J. (2016). Cardiac progenitor cells for heart repair. *Cell Death Discovery*, 2, 1-4. [More Information]

Zheng, S., Chong, J., Chong, B. (2016). Pharmacodynamics, pharmacokinetics and clinical efficacy of apixaban in the treatment of thrombosis. *Expert Opinion on Drug Metabolism and Toxicology*, 12(5), 575-580. [More Information]

Farraha, M., Chong, J., Kizana, E. (2016). Therapeutic Prospects of Gene Therapy for Atrial Fibrillation. *Heart, Lung, and Circulation*, 25(8), 808-813. [More Information]

2015

Ge, Z., Lal, S., Le, T., Dos Remedios, C., Chong, J. (2015). Cardiac stem cells: translation to human studies. *Biophysical*

Reviews, 7(1), 127-139. [More Information]

Fernandes, S., Chong, J., Paige, S., Iwata, M., Torok-Storb, B., Keller, G., Reinecke, H., Murry, C. (2015). Comparison of Human Embryonic Stem Cell-Derived Cardiomyocytes, Cardiovascular Progenitors, and Bone Marrow Mononuclear Cells for Cardiac Repair. *Stem Cell Reports*, 5(5), 753-762. [More Information]

2014

Chong, J., Murry, C. (2014). Cardiac regeneration using pluripotent stem cells-Progression to large animal models. *Stem Cell Research*, 13(3), 654-665. [More Information]

Chong, J., Forte, E., Harvey, R. (2014). Developmental origins and lineage descendants of endogenous adult cardiac progenitor cells. *Stem Cell Research*, 13(3), 592-614. [More Information]

Al Raisi, S., Pouliopoulos, J., Barry, M., Swinnen, J., Thiagalingam, A., Thomas, S., Sivagangabalan, G., Chow, C., Chong, J., Kizana, E., Kovoov, P. (2014). Evaluation of lesion and thermodynamic characteristics of Symplicity and EnligHTN renal denervation systems in a phantom renal artery model. *EuroIntervention*, 10(2), 277-284. [More Information]

Chong, J., Yang, X., Don, C., Minami, E., Liu, Y., Weyers, J., Mahoney, W., Van Biber, B., Cook, S., et al (2014). Human embryonic-stem-cell-derived cardiomyocytes regenerate non-human primate hearts. *Nature*, 510(7504), 273-277. [More Information]

Murry, C., Chong, J., Laflamme, M. (2014). Letter by Murry et al Regarding Article, "Embryonic Stem Cell-Derived Cardiac Myocytes Are Not Ready for Human Trials". *Circulation Research*, 115(10), e28-e29. [More Information]

Matar, A., Chong, J. (2014). Stem cell therapy for cardiac dysfunction. *SpringerPlus*, 3(1), 1-14. [More Information]

2013

Chong, J., Chong, B. (2013). HIT: nucleic acid masquerading as heparin. *Blood*, 122(2), 156-158. [More Information]

Chong, J., Reinecke, H., Iwata, M., Torok-Storb, B., Stempien-Otero, A., Murry, C. (2013). Progenitor Cells Identified by PDGFR-Alpha Expression in the Developing and Diseased Human Heart. *Stem Cells and Development*, 22(13), 1932-1943. [More Information]

2012

Chong, J. (2012). Cell therapy for left ventricular dysfunction: an overview for cardiac clinicians. *Heart, Lung, and Circulation*, 21(9), 532-542. [More Information]

2011

Chong, J., Chandrakanthan, V., Xaymardan, M., Asli, N., Li, J., Ahmed, I., Heffernan, C., Menon, M., Scarlett, C., Rashidianfar, A., Zoellner, H., et al (2011). Adult Cardiac-Resident MSC-like Stem Cells with a Proepicardial Origin. *Cell Stem Cell*, 9(6), 527-540. [More Information]

2010

Chong, B., Chong, J. (2010). IVIg immune inhibitory activity: APC is key. *Blood*, 115(9), 1663-1164. [More Information]

2008

Chong, J., Ganesan, A., Eipper, V., Kovoov, P. (2008). Comparison of left ventricular ejection fraction and inducible ventricular tachycardia in ST-elevation myocardial infarction treated by primary angioplasty versus thrombolysis. *American Journal of Cardiology*, 101(2), 153-157. [More Information]

Chong, J., Chard, R., McKay, T., Thomas, L. (2008). Two-dimensional and three-dimensional transthoracic echocardiography in surgical planning for right atrial metastatic melanoma. *European Journal of Echocardiography*, 9(2), 286-288. [More Information]