

Book Chapters:

KC Yang, W Wang, JM Nerbonne: Electrophysiology: Patch Clamp Recordings. In: Ardehali H, Losordo D & Bolli R (eds.) *Manual of Research Techniques in Cardiovascular Medicine*, 1st edn. Wiley-Blackwell Publishing: Oxford, Jan 2014

Peer Reviewed Publications:

1. **KC Yang**, TC Su, CS Liao, MF Chen, YT Lee. Remediable Hyperglycemia in a Patient With Polymyalgia Rheumatica. *Scandinavian Journal of Rheumatology* 2005; 34: 492-494.
2. **KC Yang**, CC Fang, TC Su, YT Lee. Treatment of Fibrate-Induced Rhabdomyolysis with Plasma Exchange in ESRD. *American Journal of Kidney Diseases* 2005; 45: e57-60.
3. **KC Yang**, CC Hung, YL Ho. Tuberculous Serositis Coexisting With Reversible High-Grade Atrioventricular Block. *Acta Cardiologica Sinica* 2005; 21:164-8.
4. **KC Yang**, JY Chien, WK Tseng, PR Hsueh, CJ Yu, CC Wu. Statins Do Not Improve Short-term Survival in an Oriental Population with Sepsis. *American Journal of Emergency Medicine* 2007; 25:494-501.
5. **KC Yang**, MF Chen, TC Su, JS Jeng, BS Hwang, LY Lin, LS Liao, YT Lee. Hepatitis B Virus Seropositivity Is Not Associated With Increased Risk of Carotid Atherosclerosis in Taiwanese. *Atherosclerosis* 2007; 195:392-7.
6. **KC Yang**, YS Kuo, WK Tseng, CC Wu. Periorbital Necrotizing Fasciitis and Orbital Apex Syndrome as a Delayed but Emergent Complication of Silicone Nasal Augmentation. *Annals of Emergency Medicine* 2007; 49:542-3.
7. MY Su, **KC Yang**, CC Wu, YW Wu, HY Yu, RY Tseng, WY Tseng. First-pass Myocardial Perfusion Cardiovascular Magnetic Resonance at 3 Tesla. *Journal of Cardiovascular Magnetic Resonance* 2007;9:633-44.
8. **KC Yang**, YN Su, JY Shew, KY Yang, WK Tseng, CC Wu, YT Lee. LDLR and ApoB are Major Genetic Causes of Autosomal Dominant Hypercholesterolemia in a Taiwanese Population. *Journal of the Formosan Medical Association* 2007;106:799-807.
9. **KC Yang**, NC Foeger, C Marionneau, PY Jay, JR McMullen, JM Nerbonne. Homeostatic Regulation of Electrical Excitability in Physiological Cardiac Hypertrophy. *Journal of Physiology* 2010 15; 588:5015-32.
(See comments in *Journal of Physiology* 2010 15;588:4855-6)
10. AK Vyas, **KC Yang**, D Woo, A Tzekov, A Kovacs, PY Jay, PW Hruz. Exenatide Improves Glucose Homeostasis and Prolongs Survival in a Murine Model of Dilated Cardiomyopathy. *PLoS One* 2011; 6:e17178.
11. **KC Yang**, PY Jay, JR McMullen, JM Nerbonne. Enhanced Cardiac PI3K α Signaling Mitigates Arrhythmogenic Electrical Remodeling in Pathological Hypertrophy and Heart failure. *Cardiovascular Research* 2012 1;93:252-62.
(See comments in *Cardiovascular Research* 2012 1;93:218-219)
12. **KC Yang**, YC Ku, M Lovett, JM Nerbonne. Combined Deep microRNA and mRNA Sequencing Identifies Protective Transcriptomal Signature of Enhanced PI3K α Signaling in Cardiac Hypertrophy. *Journal of Molecular and Cellular Cardiology* 2012; 53:101-12.

13. **KC Yang**, YT Tseng, JM Nerbonne. Exercise Training and PI3K α -Induced Electrical Remodeling Is Independent of Cellular Hypertrophy and Akt Signaling. *Journal of Molecular and Cellular Cardiology* 2012; 53: 532-41.
14. **KC Yang**, SC Dudley Jr. Oxidative Stress and Atrial Fibrillation: Finding a Missing Piece to the Puzzle. *Circulation* 2013; 128:1724-6.
15. G Gao, A Xie, J Zhang, AM Herman, EM Jeong, L Gu, M Liu, **KC Yang**, TJ Kamp, SC Dudley Jr. Unfolded Protein Response Regulates Cardiac Sodium Current in Systolic Human Heart Failure. *Circulation: Arrhythmia and Electrophysiology* 2013; 6: 1018-24.
16. **KC Yang**, KA Yamada, AY Patel, VK Topkara, GA Ewald, DL Mann, JM Nerbonne. Deep RNA Sequencing Reveals Dynamic Regulation of Myocardial Noncoding RNA in Failing Human Heart and Remodeling with Mechanical Circulatory Support. *Circulation* 2014;129(9):1009-21.
17. **KC Yang**, MG Bonini, SC Dudley Jr. On Mitochondria and Arrhythmias. *Free Radical Biology & Medicine*. 2014;71:351-61.
18. M Liu, **KC Yang**, SC Dudley Jr. Cardiac Sodium Channel Mutations: Why So Many Phenotypes. *Nature Reviews Cardiology* 2014; 11 (10): 607-15.
19. **KC Yang**, CA Rutledge, M Mao, FR Bakhshi, A Xie, H Liu, MG Bonini, HH Patel, RD Minshall, SC Dudley Jr. Caveolin-1 Modulates Cardiac Gap Junction Homeostasis and Arrhythmogenicity by Regulating cSrc Tyrosine Kinase. *Circulation: Arrhythmia and Electrophysiology*. 2014; 7 (4):701-10.
20. TG Di Salvo, **KC Yang**, E Brittain, T Absi, S Maltais, A Hemnes. Right Ventricular Myocardial Biomarkers in Human Heart Failure. *J Card Fail* 2015; S1071-9164(15)00048-2.
21. **KC Yang**, JW Kyle, JC Makielski, SC Dudley Jr. Mechanisms of Sudden Cardiac Death: Oxidants & Metabolism. *Circulation Research* 2015; 116:1937-55.
22. **KC Yang**, JM Nerbonne. Mechanisms Contributing to Myocardial Potassium Channel Diversity, Regulation and Remodeling. *Trends in Cardiovascular Research*. 2015 (Accepted)