

Journalbeiträge

1. Chang Liao ML, de Boer TP, Mutoh H, Raad N, Richter C, Wagner E, Downie BR, Unsöld B, Arooj I, Streckfuss-Bömeke K, Döker S, Luther S, Guan K, Wagner S, Lehnart SE, Maier LS, Stühmer W, Wettwer E, van Veen T, Morlock MM, Knöpfel T, Zimmermann WH (2015) Sensing Cardiac Electrical Activity With a Cardiac Myocyte--Targeted Optogenetic Voltage Indicator. *CIRC RES* 117(5): 401-12, doi: 10.1161/CIRCRESAHA.117.306143
2. Godier-Furnémont AFG, Tiburcy M, Wagner E, Dewenter M, Lämmle S, El-Armouche A, Lehnart SE, Vunjak-Novakovic G, Zimmermann WH (2015) Physiologic force-frequency response in engineered heart muscle by electromechanical stimulation. *BIOMATERIALS* 60: 82-91, doi: 10.1016/j.biomaterials.2015.03.055
3. Hartmann S, Ridley AJ, Lutz S (2015) The Function of Rho-Associated Kinases ROCK1 and ROCK2 in the Pathogenesis of Cardiovascular Disease. *FRONT PHARMACOL* 6: 276, doi: 10.3389/fphar.2015.00276
4. Jatho A, Hartmann S, Kittana N, Mügge F, Wuertz CM, Tiburcy M, Zimmermann WH, Katschinski DM, Lutz S (2015) RhoA Ambivalently Controls Prominent Myofibroblast Characteristics by Involving Distinct Signaling Routes. *PLOS ONE* 10(10): e0137519, doi: 10.1371/journal.pone.0137519
5. Ongherth A, Pasch S, Wuertz CM, Nowak K, Kittana N, Weis CA, Jatho A, Vettel C, Tiburcy M, Toischer K, Hasenfuss G, Zimmermann WH, Wieland T, Lutz S (2015) p63RhoGEF regulates auto- and paracrine signaling in cardiac fibroblasts. *J MOL CELL CARDIOL* 88: 39-54, doi: 10.1016/j.jmcc.2015.09.009
6. Ott C, Martens H, Hassouna I, Oliveira B, Erck C, Zafeiriou MP, Peteri UK, Hesse D, Gerhart S, Altas B, Kolbow T, Stadler H, Kawabe H, Zimmermann WH, Nave KA, Schulz-Schaeffer W, Jahn O, Ehrenreich H (2015) Widespread expression of erythropoietin receptor in brain and its induction by injury. *MOL MED* 21: 803-8015, doi: 10.2119/molmed.2015.00192
7. Riegler J, Tiburcy M, Ebert A, Tzatzalos E, Raaz U, Abilez OJ, Shen Q, Kooreman NG, Neofytou E, Chen VC, Wang M, Meyer T, Tsao PS, Connolly AJ, Couture LA, Gold JD, Zimmermann WH, Wu JC (2015) Human Engineered Heart Muscles Engraft and Survive Long Term in a Rodent Myocardial Infarction Model. *CIRC RES* 117(8): 720-30, doi: 10.1161/CIRCRESAHA.115.306985
8. Ritterhoff J, Völkers M, Seitz A, Spaich K, Gao E, Peppel K, Pleger ST, Zimmermann WH, Friedrich O, Fink RHA, Koch WJ, Katus HA, Most P (2015) S100A1 DNA-based Inotropic Therapy Protects Against Proarrhythmic Ryanodine Receptor 2 Dysfunction. *MOL THER* 23(8): 1320-30, doi: 10.1038/mt.2015.93
9. Sharma P, Abbasi C, Lazic S, Teng ACT, Wang D, Dubois N, Ignatchenko V, Wong V, Liu J, Araki T, Tiburcy M, Ackerley C, Zimmermann WH, Hamilton R, Sun Y, Liu PP, Keller G, Stagliar I, Scott IC, Kislinger T, Gramolini AO (2015) Evolutionarily conserved intercalated disc protein Tmem65 regulates cardiac conduction and connexin 43 function. *NAT COMMUN* 6: 8391, doi: 10.1038/ncomms9391
10. Unsöld B, Bremen E, Didié M, Hasenfuss G, Schäfer K (2015) Differential PI3K signal transduction in obesity-associated cardiac hypertrophy and response to ischemia. *OBESITY* 23(1): 90-9, doi: 10.1002/oby.20888
11. Unsöld B, Teucher N, Didié M, Sossalla S, Jacobshagen C, Seidler T, Schillinger W, Hasenfuß G (2015) Negative hemodynamic effects of pantoprazole at high infusion rates in mice. *CARDIOVASC THER* 33(1): 20-6, doi: 10.1111/1755-5922.12102
12. Vogler M, Zieseniss A, Hesse AR, Levent E, Tiburcy M, Heinze E, Burzlaff N, Schley G, Eckardt KU, Willam C, Katschinski DM (2015) Pre- and post-conditional inhibition of prolyl-4-hydroxylase domain enzymes protects the heart from an ischemic insult. *PFLUG ARCH EUR J PHY* 467(10): 2141-9, doi: 10.1007/s00424-014-1667-z
13. Yang T, Rubart M, Soonpaa MH, Didié M, Christalla P, Zimmermann WH, Field LJ (2015) Cardiac engraftment of genetically-selected parthenogenetic stem cell-derived cardiomyocytes. *PLOS ONE* 10(6): e0131511, doi: 10.1371/journal.pone.0131511
14. Zimmermann WH (2015) New Biologics for the Modulation of Post-Infarct Remodeling: Matricryptins. *J AM COLL CARDIOL* 66(12): 1375-7, doi: 10.1016/j.jacc.2015.07.039

Habilitationen

Zelarayan-Behrend L (2015) Implications of the Wnt/β-catenin/TCF pathway in heart failure. Habilitation Universität Göttingen.

Medizinische Dissertationen

Brammen CA, Dr. med. (2015) Kardiale Phänotypisierung einer transgenen Mauslinie mit herzspezifischer Calcium-Calmodulin-Kinase IIdc-Überexpression auf einem Phosphatase-Inhibitor-1-Knockout-Hintergrund. Dissertation Universität Göttingen.