

Abteilung "Pharmakologie"

Journalbeiträge

1. Caglayan E, Vantler M, Leppänen O, Gerhardt F, Mustafov L, Ten Freyhaus H, Kappert K, Odenthal M, Zimmermann WH, Tallquist MD, Rosenkranz S (2011) Disruption of platelet-derived growth factor-dependent phosphatidylinositol 3-kinase and phospholipase C 1 activity abolishes vascular smooth muscle cell proliferation and migration and attenuates neointima formation in vivo. *J AM COLL CARDIOL*, 57: 2527-38.
2. El-Armouche A, Ouchi N, Tanaka K, Doros G, Wittkötter K, Schulze T, Eschenhagen T, Walsh K, Sam F (2011) Follistatin-like 1 in chronic systolic heart failure: a marker of left ventricular remodeling. *CIRC-HEART FAIL*, 4: 621-7.
3. El-Armouche A, Wittkötter K, Fuller W, Howie J, Shattock MJ, Pavlovic D (2011) Phospholemman-dependent regulation of the cardiac Na/K-ATPase activity is modulated by inhibitor-1 sensitive type-1 phosphatase. *FASEB J*, 25: 4467-75.
4. Grebe C, Klingebiel TM, Grau SP, Toischer K, Didié M, Jacobshagen C, Dullin C, Hasenfuss G, Seidler T (2011) Enhanced expression of DYRK1A in cardiomyocytes inhibits acute NFAT activation but does not prevent hypertrophy in vivo. *CARDIOVASC RES*, x: x.
5. Hippe HJ, Wolf NM, Abu-Taha HI, Lutz S, Le Lay S, Just S, Rottbauer W, Katus HA, Wieland T (2011) Nucleoside diphosphate kinase B is required for the formation of heterotrimeric G protein containing caveolae. *N-S ARCH PHARMACOL*, 384: 461-72.
6. Hudson JE, Zimmermann WH (2011) Tuning Wnt-signaling to enhance cardiomyogenesis in human embryonic and induced pluripotent stem cells. *J MOL CELL CARDIOL*, 51: 277-9.
7. Huntgeburth M, Tiemann K, Shahverdyan R, Schlüter KD, Schreckenberg R, Gross ML, Mödersheim S, Caglayan E, Müller-Ehmsen J, Ghanem A, Vantler M, Zimmermann WH, Böhm M, Rosenkranz S (2011) Transforming growth factor? oppositely regulates the hypertrophic and contractile response to -adrenergic stimulation in the heart. *PLOS ONE*, 6: e26628.
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9. Knöll R, Linke WA, Zou P, Miocic S, Kostin S, Buyandelger B, Ku CH, Neef S, Bug M, Schäfer K, Knöll G, Felkin LE, Wessels J, Toischer K, Hagn F, Kessler H, Didié M, Quentin T, Maier LS, Teucher N, Unsöld B, Schmidt A, Birks EJ, Gunkel S, Lang P, Granzier H, Zimmermann WH, Field LJ, Faulkner G, Dobbelstein M, Barton PJR, Sattler M, Wilmanns M, Chien KR (2011) Telethonin deficiency is associated with maladaptation to biomechanical stress in the mammalian heart. *CIRC RES*, 109: 758-69.
10. Naito H, Dohi Y, Zimmermann WH, Tojo T, Takasawa S, Eschenhagen T, Taniguchi S (2011) The effect of mesenchymal stem cell osteoblastic differentiation on the mechanical properties of engineered bone-like tissue. *TISSUE ENG PART A*, 17: 2321-9.
11. Naito H, Tojo T, Kimura M, Dohi Y, Zimmermann WH, Eschenhagen T, Taniguchi S (2011) Engineering bioartificial tracheal tissue using hybrid fibroblast-mesenchymal stem cell cultures in collagen hydrogels. *Interact Cardiovasc Thorac Surg*, 12: 156-61.
12. Phu DT, Wallbach M, Depatie C, Fu A, Scretton RA, Oetjen E (2011) Regulation of the CREB coactivator TORC by the dual leucine zipper kinase at different levels. *CELL SIGNAL*, 23: 344-53.
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14. Sossalla S, Maurer U, Schotola H, Hartmann N, Didié M, Zimmermann WH, Jacobshagen C, Wagner S, Maier LS (2011) Diastolic dysfunction and arrhythmias caused by overexpression of CaMKII?(C) can be reversed by inhibition of late Na(+) current. *BASIC RES CARDIOL*, 106: 263-72.
15. Thoms KM, Kuschal C, Oetjen E, Mori T, Kobayashi N, Laspe P, Boeckmann L, Schön MP, Emmert S (2011) Cyclosporin A, but not everolimus, inhibits DNA repair mediated by calcineurin: implications for tumorigenesis under immunosuppression. *EXP DERMATOL*, 20: 232-6.
16. Tiburcy M, Didié M, Boy O, Christalla P, Döker S, Naito H, Karikkineth BC, El-Armouche A, Grimm M, Nose M, Eschenhagen T, Zieseniss A, Katschinski D, Hamdani N, Linke WA, Yin X, Mayr M, Zimmermann WH (2011) Terminal differentiation, advanced organotypic maturation, and modeling of hypertrophic growth in engineered heart tissue. *CIRC RES*, 109: 1105-14.
17. Tsuji Y, Hojo M, Voigt N, El-Armouche A, Inden Y, Murohara T, Dobrev D, Nattel S, Kodama I, Kamiya K (2011) Ca(2+)-related signaling and protein phosphorylation abnormalities play central roles in a new experimental model of electrical storm. *CIRCULATION*, 123: 2192-203.
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20. Zafiriou MP, Zelarayan LC, Noack C, Renger A, Nigam S, Siafaka-Kapadai A (2011) Hepoxilin A(3) protects ?-cells from apoptosis in contrast to its precursor, 12-hydroperoxyeicosatetraenoic acid. BICHIM BIOPHYS ACTA, 1811: 361-9.
21. Zimmermann WH (2011) Embryonic and embryonic-like stem cells in heart muscle engineering. J MOL CELL CARDIOL, 50: 320-6.

Buchbeiträge

1. Zimmermann WH (2011) Tissue Engineered Myocardium. In: A.R. Boccaccini, S.E. Harding (Hg.) Springer Verlag, Berlin - Heidelberg, 111-32.

Medizinische Dissertationen

1. Klimpel C, Dr. med., Wirkung der proinflammatorischen Zytokine TNFa und IL-1 β auf die Aktivität und die Proteinmenge der Dual-Leucine-Zipper-Bearing-Kinase in einer Betazelllinie. Dissertation Universität Göttingen 2011.