

AUSTRALIAN REGENERATIVE MEDICINE INSTITUTE (ARMI)
RESEARCH PUBLICATIONS FOR 2011

1. Alfano, C., L. Viola, **J.I. Heng**, M. Pirozzi, M. Clarkson, G. Flore, A. De Maio, A. Schedl, F. Guillemot, and M. Studer, *COUP-TFI promotes radial migration and proper morphology of callosal projection neurons by repressing Rnd2 expression*. *Development*, 2011. **138**(21): p. 4685-4697 Category: Developmental Biology **Impact Factor: 6.898** Ranking: 4/38
2. Arighi, C., P.M. Roberts, S. Agarwal, S. Bhattacharya, G. Cesareni, A. Chatr-aryamontri, S. Clematide, P. Gaudet, M.G. Giglio, I. Harrow, E. Huala, M. Krallinger, U. Leser, D. Li, F. Liu, Z. Lu, L.J. Maltais, N. Okazaki, L. Perfetto, F. Rinaldi, R. Saetre, **D. Salgado**, P. Srinivasan, P.E. Thomas, L. Toldo, L. Hirschman, and C.H. Wu, *BioCreative III interactive task: an overview*. *BMC Bioinform*, 2011. **12**(Suppl 8): p. S4.1-21 Category: Biochemical Research Methods **Impact Factor: 3.029** Ranking: 26/71
3. **Berger, J., S. Berger**, A.S. Jacoby, S.D. Wilton, and **P.D. Currie**, *Evaluation of Exon-Skipping Strategies for Duchenne Muscular Dystrophy Utilizing Dystrophin-deficient Zebrafish*. *J Cell Mol Med*, 2011. **15**(12): p. 2643-2651 Category: Medicine, Research & Experimental **Impact Factor: 4.608** Ranking: 18/106
4. Boon, R.A., T. Seeger, S. Heydt, A. Fischer, E. Hergenreider, A.J. Horrevoets, M. Vinciguerra, **N. Rosenthal**, S. Sciacca, M. Pilato, P. van Heijningen, J. Essers, R.P. Brandes, A.M. Zeiher, and S. Dimmeler, *SHORT COMMUNICATION: MicroRNA-29 in Aortic Dilation: Implications for Aneurysm Formation*. *Circ Res*, 2011. **109**(10): p. 1115-1119 Category: Peripheral Vascular Disease **Impact Factor: 9.504** Ranking: 2/66
5. Cole, N.J., **T.E. Hall**, E.K. Don, **S. Berger**, **C.A. Boisvert**, C. Neyt, R. Ericsson, J. Joss, **D.B. Gurevich**, and **P.D. Currie**, *Development and evolution of the muscles of the pelvic fin*. *PLoS Biol*, 2011. **9**(10): p. e1001168.1-10 Category: Biochemistry & Molecular Biology **Impact Factor: 12.472** Ranking: 9/286
6. **Costa, M.W.**, S. Lee, **M.B. Furtado**, L. Xin, D.B. Sparrow, C.G. Martinez, S.L. Dunwoodie, E. Kurtenbach, T. Mohun, **N. Rosenthal**, and R.P. Harvey, *Complex SUMO-1 Regulation of Cardiac Transcription Factor Nkx2-5*. *PLoS One*, 2011. **6**(9): p. e24812.1-13 Category: Biology **Impact Factor: 4.411** Ranking: 12/85
7. Don, E.K., **T.E. Hall**, **P.D. Currie**, and N.J. Cole, *Morphology of pelvic fin loss in a zebrafish strain (*Danio rerio*)*. *J Morphol*, 2011. **272**(5): p. 583-9 Category: Anatomy & Morphology **Impact Factor: 1.773** Ranking: 6/19
8. Ellett, F., L. Pase, J.W. Hayman, A. Andrianopoulos, and **G.J. Lieschke**, *mpeg1 promoter transgenes direct macrophage-lineage expression in zebrafish*. *Blood*, 2011. **117**(4): p. e49-56 Category: Hematology **Impact Factor: 10.558** Ranking: 2/65

9. Fang, L., S.R. Green, J.S. Baek, S.H. Lee, **F. Ellett**, E. Deer, **G.J. Lieschke**, J.L. Witztum, S. Tsimikas, and Y.I. Miller, *In vivo visualization and attenuation of oxidized lipid accumulation in hypercholesterolemic zebrafish*. J Clin Invest, 2011. **121**(12): p. 4861-9 Category: Medicine, Research & Experimental **Impact Factor: 14.152** Ranking: 3/106
10. **Goldshmit, Y.**, M.D. Spanevello, S. Tajouri, L. Li, F. Rogers, M. Pearse, M. Galea, P.F. Bartlett, A.W. Boyd, and A.M. Turnley, *EphA4 blockers promote axonal regeneration and functional recovery following spinal cord injury in mice*. PLoS One, 2011. **6**(9): p. e24636.1-12 Category: Biology **Impact Factor: 4.411** Ranking: 12/86
11. Gutnick, A., J. Blechman, **J. Kaslin**, L. Herwig, H.G. Belting, M. Affolter, J.L. Bonkowsky, and G. Levkowitz, *The hypothalamic neuropeptide oxytocin is required for formation of the neurovascular interface of the pituitary*. Dev Cell, 2011. **21**(4): p. 642-54 Category: Developmental Biology **Impact Factor: 13.946** Ranking: 2/38
12. **Ho, M.S.**, **A. Fryga**, and **A.L. Laslett**, *Flow cytometric analysis of human pluripotent stem cells*, in *Methods Mol Biol*, P. Schwartz and R. Wesselschmidt, Editors. 2011, Springer Science + Business Media, LLC: USA. p. 221-30 Book Chapter [ANT,ARMI]
13. **Keightley, M.C.**, J.E. Layton, **J.W. Hayman**, J.K. Heath, and **G.J. Lieschke**, *Mediator subunit 12 is required for neutrophil development in zebrafish*. PLoS One, 2011. **6**(8): p. e23845.1-8 Category: Biology **Impact Factor: 4.411** Ranking: 12/85
14. Krallinger, M., M. Vazquez, F. Leitner, **D. Salgado**, A. Chatr-aryamontri, A. Winter, L. Perfetto, L. Briganti, L. Licata, M. Iannuccelli, L. Castagnoli, G. Cesareni, M. Tyers, G. Schneider, F. Rinaldi, R. Leaman, G. Gonzalez, S. Matos, S. Kim, W.J. Wilbur, L. Rocha, H. Shatkay, A.V. Tendulkar, S. Agarwal, F. Liu, X. Wang, R. Rak, K. Noto, C. Elkan, Z. Lu, R.I. Dogan, J.-F. Fontainer, M.A. Andrade-Navarro, and A. Valencia, *The Protein-Protein Interaction tasks of BioCreative III: classification/ranking of articles and linking bio-ontology concepts to full text*. BMC Bioinform, 2011. **12**(Suppl 8): p. 1-31 Category: Biochemistry Research Methods **Impact Factor: 3.029** Ranking: 26/71
15. **Marcelle, C.**, *Stem cell study could pave the way to treatment for age related muscle wasting*, in *Media Release*. 2011, Monash University: Australia. p. 1.
16. Mor, E., Y. Cabilly, **Y. Goldshmit**, H. Zalts, S. Modai, L. Edry, O. Elroy-Stein, and N. Shomron, *Species-specific microRNA roles elucidated following astrocyte activation*. Nucleic Acids Res, 2011. **39**(9): p. 3710-3723 Category: Biochemistry & Molecular Biology **Impact Factor: 7.836** Ranking: 30/286

17. Pacary, E., **J. Heng**, R. Azzarelli, P. Riou, D. Castro, M. Lebel-Potter, C. Parras, D.M. Bell, A.J. Ridley, M. Parsons, and F. Guillemot, *Proneural Transcription Factors Regulate Different Steps of Cortical Neuron Migration through Rnd-Mediated Inhibition of RhoA Signaling*. *Neuron*, 2011. **69**(6): p. 1069-84 Category: Neurosciences **Impact Factor: 14.027** Ranking: 6/237
18. **Pase, L.** and **G.J. Lieschke**, *Discerning Different In vivo Roles of MicroRNAs by Experimental Approaches in Zebrafish*, in *Methods Cell Biol - The Zebrafish: Genetics, Genomics and Informatics*, M.W. H Detrich III, L Zon, Editor. 2011, Academic Press: USA. p. 353-378 **Book Chapter**
19. Poudel, B., D. Bilbao, P. Sarathchandra, R. Germack, **N. Rosenthal**, and M.P. Santini, *Increased cardiogenesis in P19-GFP teratocarcinoma cells expressing the propeptide IGF-1Ea*. *Biochem Biophys Res Commun*, 2011. **416**(3-4): p. 293-299 Category: Biochemistry & Molecular Biology **Impact Factor: 2.595** Ranking: 154/286
20. **Rios, A.C.**, **O. Serralbo**, **D. Salgado**, and **C. Marcelle**, *Neural crest regulates myogenesis through the transient activation of NOTCH*. *Nature*, 2011. **473**(7348): p. 532-535 Category: Multidisciplinary Sciences **Impact Factor: 36.101** Ranking: 1/57
21. Santini, M.P., J. Lexow, G. Borsellino, E. Slonimski, E. Zarrinpashneh, T. Poggioli, and **N. Rosenthal**, *IGF-1Ea induces vessel formation after injury and mediates bone marrow and heart cross-talk through the expression of specific cytokines*. *Biochem Biophys Res Commun*, 2011. **410**(2): p. 201-7 Category: Biochemistry & Molecular Biology **Impact Factor: 2.595** Ranking: 154/286
22. Smedley, D., E. Salimova, and **N. Rosenthal**, *REVIEW: Cre recombinase resources for conditional mouse mutagenesis*. *Methods*, 2011. **53**(4): p. 411-6 Category: Biochemical Research Methods **Impact Factor: 4.527** Ranking:14/71
23. **Sztaf, T.**, **S. Berger**, **P.D. Currie**, and **T.E. Hall**, *Characterization of the laminin gene family and evolution in zebrafish*. *Dev Dyn*, 2011. **240**(2): p. 422-431 Category: Developmental Biology **Impact Factor: 2.864** Ranking: 17/38
24. Tao, S., M. Witte, R.J. Bryson-Richardson, P.D. Currie, B.M. Hogan, and S. Schulte-Merker, *Zebrafish prox1b Mutants Develop a Lymphatic Vasculature, and prox1b Does Not Specifically Mark Lymphatic Endothelial Cells*. *PLoS One*, 2011. **6**(12): p. e28934 Category: Biology **Impact Factor: 4.411** Ranking: 12/86
25. Town, L., **E. McGlenn**, T.L. Davidson, C.M. Browne, K. Chawengsaksophak, P. Koopman, J.M. Richman, and C. Wicking, *Tmem26 is dynamically expressed during palate and limb development but is not required for embryonic survival*. *PLoS One*, 2011. **6**(9): p. e25228 Category: Biology **Impact Factor: 4.411** Ranking: 12/86

26. Vinciguerra, M., M.P. Santini, C. Martinez, V. Paziienza, W.C. Claycomb, A. Giuliani, and **N. Rosenthal**, *mIGF-1/JNK1/Sirt1 signaling confers protection against oxidative stress in the heart*. *Aging Cell*, 2011. **E-pub**: p. 1-11 Category: Cell Biology **Impact Factor: 7.148** Ranking: 31/178

27. Williams, R.J., **T.E. Hall**, V. Glattauer, J. White, P.J. Pasic, A.B. Sorensen, L. Waddington, K.M. McLean, **P.D. Currie**, and P.G. Hartley, *The in vivo performance of an enzyme-assisted self-assembled peptide/protein hydrogel*. *Biomaterials*, 2011. **32**(22): p. 5304-10 Category: Materials Science, Biomaterials **Impact Factor: 7.883** Ranking: 2/25

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HIGH IMPACT FACTOR RESEARCH PUBLICATIONS FOR 2011

1. Cole, N.J., **T.E. Hall**, E.K. Don, **S. Berger**, **C.A. Boisvert**, C. Neyt, R. Ericsson, J. Joss, **D.B. Gurevich**, and **P.D. Currie**, *Development and evolution of the muscles of the pelvic fin*. PLoS Biol, 2011. **9**(10): p. e1001168.1-10 Category: Biochemistry & Molecular Biology **Impact Factor: 12.472** Ranking: 9/286
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