

Song Laboratory Publications

Selected publications from before the birth of the Song Lab

Song Y, et al. [Regulation of axon regeneration by the RNA repair/splicing pathway](#). *Nat Neurosci*. 2015 Jun;18(6): 817-825. PMID: 25961792

Yu D, et al. [A naturally monomeric infrared fluorescent protein for protein labeling *in vivo*](#). *Nat Methods*. 2015 Aug;12(8):763-765. PMID: 26098020

Han C, Song Y, Xiao H, Wang D, Franc N, Jan LY, Jan YN. [Epidermal cells are the primary phagocytes in the fragmentation and clearance of degenerating dendrites in *Drosophila*](#). *Neuron*. 2014 Feb 5;81(3): 544-560. PMID: 24412417

Yuan Q, Song Y, Yang C, Jan LY, Jan YN. [Female exposure modulates male aggression via a sexually dimorphic GABAergic circuit in *Drosophila*](#). *Nat Neurosci*. 2014 Jan;17(1): 81-88. PMID: 24241395

Song Y, Ori-McKenney KM, Zheng Y, Han C, Jan LY, Jan YN. [Regeneration of *Drosophila* sensory neuron axons and dendrites is regulated by the Akt pathway involving Pten and microRNA *bantam*](#). *Genes Dev*. 2012 26: 1612-1625. PMID: 22759636

Panzer JA, Song Y, Balice-Gordon RJ. [In vivo imaging of preferential motor axon outgrowth to and synaptogenesis at prepatterned acetylcholine receptor clusters in embryonic zebrafish skeletal muscle](#). *J Neurosci*. 2006 Jan 18;26(3):934-47. PMID: 16421313

Robinson BW, et al. [mll ortholog containing functional domains of human MLL is expressed throughout the zebrafish lifespan and in haematopoietic tissues](#). *Br J Haematol*. 2011 Feb;152(3): 307-21. PMID: 21155757

Song Y, Willer JR, Scherer PC, Panzer JA, Kugath A, Skordalakes E, Gregg RG, Willer GB, Balice-Gordon RJ. [Neural and synaptic defects in slytherin, a zebrafish model for human congenital disorders of glycosylation](#). *PLoS One*. 2010 Oct 29;5(10):e13743. PMID: 21060795

Song Y, et al. [Mechanisms underlying metabolic and neural defects in zebrafish and human multiple acyl-CoA dehydrogenase deficiency \(MADD\)](#). *PLoS One*. 2009 Dec 17;4(12): e8329. PMID: 20020044

Song Y, Balice-Gordon RJ. [New dogs in the dogma: Lrp4 and Tid1 in neuromuscular synapse formation](#). *Neuron*. 2008 Nov;60(4): 526-8. PMID: 19038209

Kim M, Liu I, Song Y, Halfter W, Balice-Gordon RJ, Linney E and Cole GJ. [Agrin is required for posterior development and axon pathway formation in embryonic zebrafish](#). *Glycobiology*. 2007 Feb;17(2): 231-47. PMID: 17110391

Song Y, Panzer JA, Wyatt RM, Balice-Gordon RJ. [Formation and plasticity of neuromuscular synaptic connections](#). *Int Anesthesiol Clin*. 2006;44(2): 145-78. PMID: 16849961

Panzer JA, Song Y, Balice-Gordon RJ. [In vivo imaging of preferential motor axon outgrowth to and synaptogenesis at prepatterned acetylcholine receptor clusters in embryonic zebrafish skeletal muscle](#). *J Neurosci*. 2006 Jan 18;26(3):934-47. PMID: 16421313

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Publications

Jin M, Guan CB, Jiang YA, Chen G, Zhao CT, Cui K, Song YQ, Wu CP, Poo MM, Yuan XB. [Ca²⁺-dependent regulation of rho GTPases triggers turning of nerve growth cones.](#) *J Neurosci.* 2005 Mar 2;25(9): 2338-2347. PMID: 15745960

Yuan XB, Jin M, Xu X, Song YQ, Wu CP, Poo MM, Duan S. [Signaling and crosstalk of Rho GTPases in mediating axon guidance.](#) *Nat Cell Biol.* 2003 Jan;5(1): 38-45. PMID: 12510192