

## **2015 Student Publications-Rutgers SGS-Newark**

**Androwis GJ, Michael PA, Jewaid D, Nolan KJ, Strongwater A, Foulds RA.** Motor control investigation of dystonic cerebral palsy: A pilot study of passive knee trajectory. *Conf Proc IEEE Eng Med Biol Soc.* 2015 Aug;2015:4562-5. [PubMed](#)

**Badheka D, Borbiro I, Rohacs T.** Transient receptor potential melastatin 3 is a phosphoinositide-dependent ion channel. *J Gen Physiol.* 2015 Jul;146(1):65-77. [PubMed](#)

**Badheka D, Rohacs T.** TRPM3 joins the ranks of PI(4,5)P<sub>2</sub> sensitive ion channels. *Channels (Austin).* 2015;9(5):233-4. [PubMed](#)

**Bhatt K, Verma S, Ellner JJ, Salgame P.** Quest for correlates of protection against tuberculosis. *Clin Vaccine Immunol.* 2015 Mar;22(3):258-66. [PubMed](#)

**Borbiro I, Badheka D, Rohacs T.** Activation of TRPV1 channels inhibits mechanosensitive Piezo channel activity by depleting membrane phosphoinositides. *Sci Signal.* 2015 Feb 10;8(363):ra15. [PubMed](#)

**Bushkin Y, Radford F, Pine R, Lardizabal A, Mangura BT, Gennaro ML, Tyagi S.** Profiling T cell activation using single-molecule fluorescence in situ hybridization and flow cytometry. *J Immunol.* 2015 Jan 15;194(2):836-41. [PubMed](#)

**Cao J, Wang PK, Tiwari V, Liang L, Lutz BM, Shieh KR, Zang WD, Kaufman AG, Bekker A, Gao XQ, Tao YX.** Short-term pre- and post-operative stress prolongs incision-induced pain hypersensitivity without changing basal pain perception. *Mol Pain.* 2015 Dec 2;11:73. [PubMed](#)

**Chavda KD, Chen L, Jacobs MR, Rojtman AD, Bonomo RA, Kreiswirth BN.** Complete sequence of a bla(KPC)-harboring cointegrate plasmid isolated from *Escherichia coli*. *Antimicrob Agents Chemother.* 2015 May;59(5):2956-9. [PubMed](#)

**Chen L, Al Laham N, Chavda KD, Mediavilla JR, Jacobs MR, Bonomo RA, Kreiswirth BN.** First report of an OXA-48-producing multidrug-resistant *Proteus mirabilis* strain from Gaza, Palestine. *Antimicrob Agents Chemother.* 2015 Jul;59(7):4305-7. [PubMed](#)

**Chen L, Chavda KD, DeLeo FR, Bryant KA, Jacobs MR, Bonomo RA, Kreiswirth BN.** Genome Sequence of a *Klebsiella pneumoniae* Sequence Type 258 Isolate with Prophage-Encoded *K. pneumoniae* Carbapenemase. *Genome Announc.* 2015 Jun 18;3(3). pii: e00659-15. [PubMed](#)

**Chen L, Peirano G, Lynch T, Chavda KD, Gregson DB, Church DL, Conly J, Kreiswirth BN, Pitout JD.** Molecular Characterization by Using Next-Generation Sequencing of Plasmids Containing blaNDM-7 in Enterobacteriaceae from Calgary, Canada. *Antimicrob Agents Chemother.* 2015 Dec 7;60(3):1258-63. [PubMed](#)

**Cohen SB, Smith NL, McDougal C, Pepper M, Shah S, Yap GS, Acha-Orbea H, Jiang A, Clausen BE, Rudd BD, Denkers EY.** Beta-catenin signaling drives differentiation and proinflammatory function of IRF8-dependent dendritic cells. *J Immunol.* 2015 Jan 1;194(1):210-22. [PubMed](#)

Cottrell JA, Lin HN, O'Connor JP. Method for measuring lipid mediators, proteins, and messenger RNAs from a single tissue specimen. *Anal Biochem*. 2015 Jan 15;469:34-42. [PubMed](#)

**DaSilva-Arnold** S, James JL, Al-Khan A, Zamudio S, Illsley NP. Differentiation of first trimester cytotrophoblast to extravillous trophoblast involves an epithelial-mesenchymal transition. *Placenta*. 2015 Dec;36(12):1412-8. [PubMed](#)

Dhawan P, Wei R, Sun C, Gombart AF, Koeffler HP, Diamond G, Christakos S. C/EBP $\alpha$  and the Vitamin D Receptor Cooperate in the Regulation of Cathelicidin in Lung Epithelial Cells. *J Cell Physiol*. 2015 Feb;230(2):464-72. [PubMed](#)

Dietzold J, **Gopalakrishnan** A, Salgame P. Duality of lipid mediators in host response against Mycobacterium tuberculosis: good cop, bad cop. *F1000Prime Rep*. 2015 Mar 3;7:29. [PubMed](#)

DiFranco KM, Johnson-Farley N, Bertino JR, Elson D, **Vega** BA, Belinka BA Jr, Kachlany SC. LFA-1-targeting Leukotoxin (LtxA; Leukothera®) causes lymphoma tumor regression in a humanized mouse model and requires caspase-8 and Fas to kill malignant lymphocytes. *Leuk Res*. 2015 Jun;39(6):649-56. [PubMed](#)

Ding J, **Tasker** C, Lespinasse P, Dai J, Fitzgerald-Bocarsly P, Lu W, Heller D, Chang TL. Integrin  $\alpha 4\beta 7$  Expression Increases HIV Susceptibility in Activated Cervical CD4+ T Cells by an HIV Attachment-Independent Mechanism. *J Acquir Immune Defic Syndr*. 2015 Aug 15;69(5):509-18. [PubMed](#)

Ekins S, Madrid PB, Sarker M, Li SG, Mittal N, Kumar P, **Wang** X, Stratton TP, Zimmerman M, Talcott C, Bourbon P, Travers M, Yadav M, Freundlich JS. Combining Metabolite-Based Pharmacophores with Bayesian Machine Learning Models for Mycobacterium tuberculosis Drug Discovery. *PLoS One*. 2015 Oct 30;10(10):e0141076. [PubMed](#)

Fluet GG, Merians AS, **Qiu** Q, Rohafaza M, VanWingerden AM, Adamovich SV. Does training with traditionally presented and virtually simulated tasks elicit differing changes in object interaction kinematics in persons with upper extremity hemiparesis? *Top Stroke Rehabil*. 2015 Jun;22(3):176-84. [PubMed](#)

Fu R, **Gregor** D, Peng Z, Li J, Bekker A, Ye J. Chronic intermittent voluntary alcohol drinking induces hyperalgesia in Sprague-Dawley rats. *Int J Physiol Pathophysiol Pharmacol*. 2015 Dec 13;7(3):136-44. eCollection 2015. [PubMed](#)

**Geissler** JR, Bajaj D, Fritton JC. American Society of Biomechanics Journal of Biomechanics Award 2013: cortical bone tissue mechanical quality and biological mechanisms possibly underlying atypical fractures. *J Biomech*. 2015 Apr 13;48(6):883-94. [PubMed](#)

**Guiro** K, Patel SA, Greco SJ, Rameshwar P, Arinze TL. Investigating breast cancer cell behavior using tissue engineering scaffolds. *PLoS One*. 2015 Apr 2;10(3):e0118724. [PubMed](#)

**Guito J, Lukac DM.** KSHV reactivation and novel implications of protein isomerization on lytic switch control. *Viruses*. 2015 Jan 12;7(1):72-109. [PubMed](#)

**Gupta A, Espinosa V, Galusha LE, Rahimian V, Miro KL, Rivera-Medina A, Kasinathan C, Capitile E, Aguila HA, Kachlany SC.** Expression and targeting of lymphocyte function-associated antigen 1 (LFA-1) on white blood cells for treatment of allergic asthma. *J Leukoc Biol*. 2015 Mar;97(3):439-46. [PubMed](#)

**Hadaczek P, Wu G, Sharma N, Ciesielska A, Bankiewicz K, Davidow AL, Lu ZH, Forsayeth J, Ledeen RW.** GDNF signaling implemented by GM1 ganglioside; failure in Parkinson's disease and GM1-deficient murine model. *Exp Neurol*. 2015 Jan;263:177-89. [PubMed](#)

**Hahn J, Tanner AW, Carabetta VJ, Cristea IM, Dubnau D.** ComGA-RelA interaction and persistence in the *Bacillus subtilis* K-state. *Mol Microbiol*. 2015 Aug;97(3):454-71. [PubMed](#)

**Hreha J, Wey A, Cunningham C, Krell ES, Brietbart EA, Paglia DN, Montemurro NJ, Nguyen DA, Lee YJ, Komlos D, Lim E, Benevenia J, O'Connor JP, Lin SS.** Local manganese chloride treatment accelerates fracture healing in a rat model. *J Orthop Res*. 2015 Jan;33(1):122-30. [PubMed](#)

**Huang GP, Shanmugasundaram S, Masih P, Pandya D, Amara S, Collins G, Arinze TL.** An investigation of common crosslinking agents on the stability of electrospun collagen scaffolds. *J Biomed Mater Res A*. 2015 Feb;103(2):762-71. [PubMed](#)

**Kota K, Kuzhikandathil EV, Afrasiabi M, Lacy B, Kontoyianni M, Crider AM, Song D.** Identification of key residues involved in the activation and signaling properties of dopamine D3 receptor. *Pharmacol Res*. 2015 Sep;99:174-84. [PubMed](#)

**Kumar S, Lu B, Dixit U, Hossain S, Liu Y, Li J, Hornbeck P, Zheng W, Sowalsky AG, Kotula L, Birge RB.** Reciprocal regulation of Abl kinase by Crk Y251 and Abi1 controls invasive phenotypes in glioblastoma. *Oncotarget*. 2015 Nov 10;6(35):37792-807. [PubMed](#)

**Kung F, Wang J, Perez-Castillejos R, Townes-Anderson E.** Position along the nasal/temporal plane affects synaptic development by adult photoreceptors, revealed by micropatterning. *Integr Biol (Camb)*. 2015 Mar;7(3):313-23. [PubMed](#)

**Li SG, Vilchez C, Chakraborty S, Wang X, Kim H, Anisetti M, Ekins S, Rhee KY, Jacobs WR Jr, Freundlich JS.** Evolution of a thienopyrimidine antitubercular relying on medicinal chemistry and metabolomics insights. *Tetrahedron Lett*. 2015 Jun 3;56(23):3246-3250. [PubMed](#)

**Li W, You B, Hoque M, Zheng D, Luo W, Ji Z, Park JY, Gunderson SI, Kalsotra A, Manley JL, Tian B.** Systematic profiling of poly(A)+ transcripts modulated by core 3' end processing and splicing factors reveals regulatory rules of alternative cleavage and polyadenylation. *PLoS Genet*. 2015 Apr 23;11(4):e1005166. [PubMed](#)

Li Y, **Korgaonkar AA**, Swietek B, Wang J, Elgammal FS, Elkabes S, Santhakumar V. Toll-like receptor 4 enhancement of non-NMDA synaptic currents increases dentate excitability after brain injury. *Neurobiol Dis.* 2015 Feb;74:240-53. [PubMed](#)

Li Z, Gu X, Sun L, Wu S, Liang L, Cao J, **Lutz BM**, Bekker A, Zhang W, Tao YX. Dorsal root ganglion myeloid zinc finger protein 1 contributes to neuropathic pain after peripheral nerve trauma. *Pain.* 2015 Apr;156(4):711-721. [PubMed](#)

Liang L, **Lutz BM**, Bekker A, Tao YX. Epigenetic regulation of chronic pain. *Epigenomics.* 2015;7(2):235-45. [PubMed](#)

Liporace, F.A., Brietbart, E.A., Yoon, R.S., Doyle, E., **Paglia, D.N.**, & Lin, S.S.; The effect of locally delivered recombinant human bone morphogenetic protein-2 with hydroxyapatite/tri-calcium phosphate on the biomechanical properties of bone in diabetes-related osteoporosis ; *J Orthop Traumatol.*, 16(2):151-9, 2015. [PubMed](#)

Liu T, Wu C, Jain MR, **Nagarajan N**, Yan L, Dai H, **Cui C**, Baykal A, Pan S, Ago T, Sadoshima J, Li H. Master redox regulator Trx1 upregulates SMYD1 & modulates lysine methylation. *Biochim Biophys Acta.* 2015 Dec;1854(12):1816-22. [PubMed](#)

**Lutz B**, Meiler SE, Bekker A, Tao YX. Updated Mechanisms of Sickle Cell Disease-Associated Chronic pain. *Transl Perioper Pain Med.* 2015 Jul 26;2(2):8-17. [PubMed](#)

**Lutz BM**, Nia S, Xiong M, Tao YX, Bekker A. mTOR, a new potential target for chronic pain and opioid-induced tolerance and hyperalgesia. *Mol Pain.* 2015 May 30;11:32. [PubMed](#)

**Magid-Bernstein J**, Mahajan K, Lincoln J, Ming X, Rohovsky-Kochan C. Case report: cytokine and CD4+ T-cell profiles of monozygotic twins with autism and divergent comorbidities and drug treatment. *J Child Neurol.* 2015 Mar;30(3):386-90. [PubMed](#)

Mitchell MD, **Yarossi MB**, Pierce DN, Garbarini EL, Forrest GF. Reliability of surface EMG as an assessment tool for trunk activity and potential to determine neurorecovery in SCI. *Spinal Cord.* 2015 May;53(5):368-74. [PubMed](#)

**Munoz JL**, Rodriguez-Cruz V, **Walker ND**, Greco SJ, Rameshwar P. Temozolomide resistance and tumor recurrence: Halting the Hedgehog. *Cancer Cell Microenviron.* 2015;2(2). [PubMed](#)

**Munoz JL**, **Walker ND**, Scotto KW, Rameshwar P. Temozolomide competes for P-glycoprotein and contributes to chemoresistance in glioblastoma cells. *Cancer Lett.* 2015 Oct 10;367(1):69-75. [PubMed](#)

Nahas G, Bliss SA, **Sinha G**, Ganta T, Greco SJ, Rameshwar P. Is reduction of tumor burden sufficient for the 21st century. *Cancer Lett.* 2015 Jan 28;356(2 Pt A):149-55. [PubMed](#)

Nahas GR, **Walker ND**, Bryan M, Rameshwar P. A Perspective of Immunotherapy for Breast Cancer: Lessons Learned and Forward Directions for All Cancers. *Breast Cancer (Auckl).* 2015 Nov 2;9(Suppl 2):35-43. [PubMed](#)

Nguyen KH, Xu F, Flowers S, **Williams EA**, Fritton JC, Moran E. SWI/SNF-Mediated Lineage Determination in Mesenchymal Stem Cells Confers Resistance to Osteoporosis. *Stem Cells*. 2015 Oct;33(10):3028-38. [PubMed](#)

Nolan KJ, **Yarossi M**, McLaughlin P. Changes in center of pressure displacement with the use of a foot drop stimulator in individuals with stroke. *Clin Biomech (Bristol, Avon)*. 2015 Aug;30(7):755-61. [PubMed](#)

Ocampo AM, Chen L, Cienfuegos AV, Roncancio G, **Chavda KD**, Kreiswirth BN, Jimenez JN. A Two-Year Surveillance in Five Colombian Tertiary Care Hospitals Reveals High Frequency of Non-CG258 Clones of Carbapenem-Resistant Klebsiella pneumoniae with Distinct Clinical Characteristics. *Antimicrob Agents Chemother*. 2015 Oct 26;60(1):332-42. [PubMed](#)

Ogi H, Goto GH, Ghosh A, Zencir S, **Henry E**, Sugimoto K. Requirement of the FATC domain of protein kinase Tel1 for localization to DNA ends and target protein recognition. *Mol Biol Cell*. 2015 Oct 1;26(19):3480-8. [PubMed](#)

**Orban BO**, Routh VH, Levin BE, Berlin JR. Direct effects of recurrent hypoglycaemia on adrenal catecholamine release. *Diab Vasc Dis Res*. 2015 Jan;12(1):2-12. [PubMed](#)

Pang KC, **Sinha S**, **Avcu P**, Roland JJ, Nadpara N, Pfister B, Long M, Santhakumar V, Servatius RJ. Long-lasting suppression of acoustic startle response after mild traumatic brain injury. *J Neurotrauma*. 2015 Jun 1;32(11):801-10. [PubMed](#)

**Patel C**, Douard V, Yu S, Gao N, Ferraris RP. Transport, metabolism, and endosomal trafficking-dependent regulation of intestinal fructose absorption. *FASEB J*. 2015 Sep;29(9):4046-58. [PubMed](#)

**Patel C**, Douard V, Yu S, Tharabenjasin P, Gao N, Ferraris RP. Fructose-induced increases in expression of intestinal fructolytic and gluconeogenic genes are regulated by GLUT5 and KHK. *Am J Physiol Regul Integr Comp Physiol*. 2015 Sep;309(5):R499-509. [PubMed](#)

**Patel C**, Sugimoto K, Douard V, Shah A, Inui H, Yamanouchi T, Ferraris RP. Effect of dietary fructose on portal and systemic serum fructose levels in rats and in KHK-/- and GLUT5-/- mice. *Am J Physiol Gastrointest Liver Physiol*. 2015 Nov 1;309(9):G779-90. [PubMed](#)

Perryman AL, Yu W, **Wang X**, Ekins S, Forli S, Li SG, Freundlich JS, Tonge PJ, Olson AJ. A virtual screen discovers novel, fragment-sized inhibitors of Mycobacterium tuberculosis InhA. *J Chem Inf Model*. 2015 Mar 23;55(3):645-59. [PubMed](#)

**Pimenta EM**, **De S**, Weiss R, Feng D, Hall K, Kilic S, Bhanot G, Ganesan S, Ran S, Barnes BJ. IRF5 is a novel regulator of CXCL13 expression in breast cancer that regulates CXCR5(+) B- and T-cell trafficking to tumor-conditioned media. *Immunol Cell Biol*. 2015 May-Jun;93(5):486-99. [PubMed](#)

**Proddutur A**, Santhakumar V. Marching Towards a Seizure: Spatio-Temporal Evolution of Preictal Activity. *Epilepsy Curr*. 2015 Sep-Oct;15(5):267-8. [PubMed](#)

Rogers MB, **Shah** TA, **Shaikh** NN. Turning Bone Morphogenetic Protein 2 (BMP2) on and off in Mesenchymal Cells. *J Cell Biochem*. 2015 Oct;116(10):2127-38. [PubMed](#)

Schettino LF, Adamovich SV, Bagce H, **Yarossi** M, Tunik E. Disruption of activity in the ventral premotor but not the anterior intraparietal area interferes with on-line correction to a haptic perturbation during grasping. *J Neurosci*. 2015 Feb 4;35(5):2112-7. [PubMed](#)

**Sehgel** NL, Vatner SF, Meininger GA. Smooth Muscle Cell Stiffness Syndrome - Revisiting the Structural Basis of Arterial Stiffness. *Front Physiol*. 2015 Nov 18;6:335. [PubMed](#)

**Sehgel** NL, Sun Z, Hong Z, Hunter WC, Hill MA, Vatner DE, Vatner SF, Meininger GA. Augmented vascular smooth muscle cell stiffness and adhesion when hypertension is superimposed on aging. *Hypertension*. 2015 Feb;65(2):370-7. [PubMed](#)

Servatius RJ, **Avcu** P, Ko N, Jiao X, Beck KD, Minor TR, Pang KC. Avoidance expression in rats as a function of signal-shock interval: strain and sex differences. *Front Behav Neurosci*. 2015 Jul 6;9:168. [PubMed](#)

**Shah** S, Grottenbreg GM, Rivera A, Yap GS. An extrafollicular pathway for the generation of effector CD8(+) T cells driven by the proinflammatory cytokine, IL-12. *Elife*. 2015 Aug 5;4. [PubMed](#)

**Shatzkes** K, Chae R, Tang C, Ramirez GC, Mukherjee S, Tsanova L, Connell ND, Kadouri DE. Examining the safety of respiratory and intravenous inoculation of Bdellovibrio bacteriovorus and Micavibrio aeruginosavorus in a mouse model. *Sci Rep*. 2015 Aug 7;5:12899. [PubMed](#)

**Sherman** LS, Conde-Green A, Sandiford OA, Rameshwar P. A discussion on adult mesenchymal stem cells for drug delivery: pros and cons. *Ther Deliv*. 2015;6(12):1335-46. [PubMed](#)

**Sheynin** J, Moustafa AA, Beck KD, Servatius RJ, Myers CE. Testing the role of reward and punishment sensitivity in avoidance behavior: a computational modeling approach. *Behav Brain Res*. 2015 Apr 15;283:121-38. [PubMed](#)

Spiess K, Jeppesen MG, Malmgaard-Clausen M, Krzywkowski K, **Dulal** K, Cheng T, Hjorto GM, Larsen O, Burg JS, Jarvis MA, Garcia KC, Zhu H, Kledal TN, Rosenkilde MM. Rationally designed chemokine-based toxin targeting the viral G protein-coupled receptor US28 potently inhibits cytomegalovirus infection in vivo. *Proc Natl Acad Sci U S A*. 2015 Jul 7;112(27):8427-32. [PubMed](#)

**Sriram** G, Jankowski W, **Kasikara** C, Reichman C, Saleh T, **Nguyen** KQ, Li J, Hornbeck P, Machida K, Liu T, Li H, Kalodimos CG, Birge RB. Iterative tyrosine phosphorylation controls non-canonical domain utilization in Crk. *Oncogene*. 2015 Aug 6;34(32):4260-9. [PubMed](#)

Strauss KA, Jinks RN, Puffenberger EG, Venkatesh S, Singh K, Cheng I, Mikita N, Thilagavathi J, **Lee** J, Sarafianos S, Benkert A, Koehler A, Zhu A, Trovillion V, McGlinchy M, Morlet T, Deardorff M, Innes AM, Prasad C, Chudley AE, Lee IN, Suzuki CK.

CODAS syndrome is associated with mutations of LONP1, encoding mitochondrial AAA+ Lon protease. *Am J Hum Genet.* 2015 Jan 8;96(1):121-35. [PubMed](#)

**Subramanian** S, Mitchell A, Yu W, Snyder S, Uhrich K, O'Connor JP. Salicylic Acid-Based Polymers for Guided Bone Regeneration Using Bone Morphogenetic Protein-2. *Tissue Eng Part A.* 2015 Jul;21(13-14):2013-24. [PubMed](#)

Tobon KE, **Catuzzi** JE, Cote SR, Sonaike A, Kuzhikandathil EV. Post-transcriptional regulation of dopamine D1 receptor expression in caudate-putamen of cocaine-sensitized mice. *Eur J Neurosci.* 2015 Jul;42(2):1849-57. [PubMed](#)

Tscherner M, Zwolanek F, Jenull S, Sedlazeck FJ, Petryshyn A, Frohner IE, **Mavrianos** J, Chauhan N, von Haeseler A, Kuchler K. The Candida albicans Histone Acetyltransferase Hat1 Regulates Stress Resistance and Virulence via Distinct Chromatin Assembly Pathways. *PLoS Pathog.* 2015 Oct 16;11(10):e1005218. [PubMed](#)

**Valere** K, Rapista A, Eugenin E, Lu W, Chang TL. Human Alpha-Defensin HNP1 Increases HIV Traversal of the Epithelial Barrier: A Potential Role in STI-Mediated Enhancement of HIV Transmission. *Viral Immunol.* 2015 Dec;28(10):609-15. [PubMed](#)

**Wahab** RA, **Neuberger** EJ, Lyeth BG, Santhakumar V, Pfister BJ. Fluid percussion injury device for the precise control of injury parameters. *J Neurosci Methods.* 2015 Jun 15;248:16-26. [PubMed](#)

Wang PK, Cao J, Wang H, Liang L, Zhang J, **Lutz** BM, Shieh KR, Bekker A, Tao YX. Short-Term Sleep Disturbance-Induced Stress Does not Affect Basal Pain Perception, but Does Delay Postsurgical Pain Recovery. *J Pain.* 2015 Nov;16(11):1186-99. [PubMed](#)

**Wei** R, Christakos S. Mechanisms Underlying the Regulation of Innate and Adaptive Immunity by Vitamin D. *Nutrients.* 2015 Sep 24;7(10):8251-60. [PubMed](#)

Xu JT, Sun L, **Lutz** BM, Bekker A, Tao YX. Intrathecal rapamycin attenuates morphine-induced analgesic tolerance and hyperalgesia in rats with neuropathic pain. *Transl Peroper Pain Med.* 2015;2(2):27-34. [PubMed](#)

Yarosh CA, **Iacona** JR, Lutz CS, Lynch KW. PSF: nuclear busy-body or nuclear facilitator. *Wiley Interdiscip Rev RNA.* 2015 Jul-Aug;6(4):351-67. [PubMed](#)

Yu J, **Swietek** B, **Proddutur** A, Santhakumar V. Dentate total molecular layer interneurons mediate cannabinoid-sensitive inhibition. *Hippocampus.* 2015 Aug;25(8):884-9. [PubMed](#)

Zhou J, Yan Z, Lasio G, Huang J, Zhang B, **Sharma** N, Prado K, D'Souza W. Automated compromised right lung segmentation method using a robust atlas-based active volume model with sparse shape composition prior in CT. *Comput Med Imaging Graph.* 2015 Dec;46 Pt 1:47-55. [PubMed](#)