



# DepressionScan References

## June 2019

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#### **Journal Papers (2018-2019)**

Adam J. Walker, J. Blair Price, Kristin Borreggine, Shari L. Sutor, Andrea Gogos, Jane A. McGillivray, Mark A. Frye, Susannah J. Tye (2019) Insulin-stimulated mTOR activation in peripheral blood mononuclear cells associated with early treatment response to lithium augmentation in rodent model of antidepressant-resistance, *Translational Psychiatry* 9, Article number: 113 (2019)

Brendan O'Flaherty, Gretchen N. Neigh, Donald Rainnie (2019) High-fructose diet initiated during adolescence does not affect basolateral amygdala excitability or affective-like behavior in Sprague Dawley rats, *Behavioural Brain Research*, Volume 365, 3 June 2019, Pages 17-25, <https://doi.org/10.1016/j.bbr.2019.02.042>

Ling Zhang, Lu-Lu Cao, Dan-Dan Yang, Jian-Hua Ding, Xu-Dong Guo, Teng-Fei Xue, Xiao-Jie Zhao, Xiu-Lan Sun (2019) Establishment and evaluation of a novel mouse model of peri/postmenopausal depression, *Heliyon*, Volume 5, Issue 2, February 2019, <https://doi.org/10.1016/j.heliyon.2019.e01195>

Ping Li, Jijuan Wang, Xin Wang, Qi Ding, Xiaoyi Bai, Yandi Zhang, Di Su, Wei Zhang, Wen Zhang and Bo Tang (2018) In situ visualization of ozone in the brains of mice with depression phenotypes by using a new near-infrared fluorescence probe, *Chem. Sci.*, 2019, **10**, 2805-2810. DOI: 10.1039/C8SC04891F

Yu-Ru Guo, Hsiu-Chuan Lee, Yun-Chun Lo, Shao-Chuan Yu, Shih-Yi Huang (2018) n-3 polyunsaturated fatty acids prevent D-galactose-induced cognitive deficits in prediabetic rats, *Food & Function* issue 4 2018

Betta dapura, N Srikumar, Pattipati S Naidu, Narasimharaju Kalidindi (2018) Diminished responses to monoaminergic antidepressants but not ketamine in a mouse model for neuropsychiatric lupus, *Sage Journals*, November 28, 2018, <https://doi.org/10.1177/0269881118812102>

Andrea Gogos, Madeleine McCarthy, Adam J. Walker, Madhara Udwawela, Andrew Gibbons, Brian Dean, Snezana Kusljevic (2018) Differential effects of chronic 17 $\beta$ -oestradiol treatment on rat behaviours relevant to depression, *Journal of Neuroendocrinology*, 12 October 2018. <https://doi.org/10.1111/jne.12652>

Zhijian Wang, Shengbing Liu, Weiwei Pan, Yanjun Guo, Zhongfei Shen (2018) Bafilomycin A1 alleviates depression-like symptoms in chronic unpredictable mild stress rats *Molecular Medicine Report*, Pages: 4587-4594, September 3, 2018, <https://doi.org/10.3892/mmr.2018.9431in>

Maryam Bakhtiarpoor, Mahbubeh Setorki, and Mohammad Reza Kaffashian (2018) Effects of Essential Oil of Satureja bachtiarica Bunge in a Rat Model of Reserpine-Induced Depression, *Iran J Med Sci.* 2018 Jul

Arina Rawat, Jackey Guo, Thibault Renoir, Terence Y Pang, Anthony J Hannan (2018) Hypersensitivity to sertraline in the absence of hippocampal 5-HT1AR and 5-HTT gene expression changes following paternal corticosterone treatment, *Environmental Epigenetics*, Volume 4, Issue 2, April 2018, <https://doi.org/10.1093/eep/dvy015>

### **Journal Papers (Prior to 2018)**

Shlomo Yeshurun, Annabel K. Short, Timothy W. Bredy, Terence Y. Pang, Anthony J. Hannan, (2017) Paternal environmental enrichment transgenerationally alters affective behavioral and neuroendocrine phenotypes, *Psychoneuroendocrinology*, Volume 77, 2017, Pages 225-235, ISSN 0306-4530, <http://dx.doi.org/10.1016/j.psyneuen.2016.11.013>.

Zhu, H., Liu, Z., Zhou, Y., Yin, X., Xu, B., Ma, L., & Liu, X. (2017). Lack of β2-AR Increases Anxiety-Like Behaviors and Rewarding Properties of Cocaine. *Frontiers in Behavioral Neuroscience*, 11, 49. <http://doi.org/10.3389/fnbeh.2017.00049>

Jake Rogers, Shanshan Li, Laurence Lanfumey, Anthony J. Hannan, Thibault Renoir, (2017) Environmental enrichment reduces innate anxiety with no effect on depression-like behaviour in mice lacking the serotonin transporter, *Behavioural Brain Research*, Volume 332, 2017, Pages 355-361, ISSN 0166-4328, <http://dx.doi.org/10.1016/j.bbr.2017.06.009>.

Xiao-Jie Zhao, Zhan Zhao, Dan-Dan Yang, Lu-Lu Cao, Ling Zhang, Juan Ji, Jun Gu, Ji-Ye Huang, Xiu-Lan Sun (2017) , Activation of ATP-sensitive potassium channel by iptakalim normalizes stress-induced HPA axis disorder and depressive behaviour by alleviating inflammation and oxidative stress in mouse hypothalamus, *Brain Research Bulletin*, Volume 130, April 2017, Pages 146-155, ISSN 0361-9230, <http://dx.doi.org/10.1016/j.brainresbull.2017.01.026>.

Tang F R, Loke W K, Wong P, et al. (2017) Radioprotective effect of ursolic acid in radiation-induced impairment of neurogenesis, learning and memory in adolescent BALB/c mouse[J]. *Physiology & Behavior*, 2017, 175: 37-46

Wei-Cheng Chen, Yi-Syuan Lai, Shih-Hang Lin, Kuan-Hung Lu, Yu-En Lin, Suraphan Panyod, Chi-Tang Ho, Lee-Yan Sheen, (2016) Anti-depressant effects of Gastrodia elata Blume and its compounds gastrodin and 4-hydroxybenzyl alcohol, via the monoaminergic system and neuronal cytoskeletal remodeling, *Journal of Ethnopharmacology*, Volume 182, 22 April 2016, Pages 190-199, ISSN 0378-8741, <http://dx.doi.org/10.1016/j.jep.2016.02.001>.

Y Kim, S McGee, J K Czeczer, A J Walker, R P Kale, A Z Kouzani , K Walder, M Berk and S J Tye (2016) Nucleus accumbens deep-brain stimulation efficacy in ACTH-pretreated rats: alterations in mitochondrial function relate to antidepressant-like effects, *Translational Psychiatry* (2016) 6, e842; doi:10.1038/tp.2016.84 Published online 21 June 2016

Sarah M. Clark, Jennifer A. Soroka, Chang Song, Xin Li & Leonardo H. Tonelli (2016) CD4+ T cells confer anxiolytic and antidepressant-like effects, but enhance fear memory processes in Rag2<sup>-/-</sup> mice, *Stress: The International Journal on the Biology of Stress* Volume 19, Issue 3, 2016

RB Scheinert, MH Haeri, ML Lehmann, M Herkenham (2016) Therapeutic effects of stress-programmed lymphocytes transferred to chronically stressed mice, *Progress in Neuro-Psychopharmacology and Biological Psychiatry* Volume 70, 3 October 2016, Pages 1

Y Kim, B Morath, C Hu, LK Byrne, SL Sutor, MA Frye (2016) Antidepressant actions of lateral habenula deep brain stimulation differentially correlate with CaMKII/GSK3/AMPK signaling locally and in the infralimbic cortex, *Behavioural Brain Research*, 2016

Marjorie C. Gondré-Lewis, Philippe J. Dariusa, b, Hong Wanga, Joanne S. Allard (2016) Stereological analyses of reward system nuclei in maternally deprived/separated alcohol drinking rats, *Journal of Chemical Neuroanatomy*, Available online 2 March 2016

Yoshikazu Nikaidoa, b, Junko Yamadab, c, Keisuke Migitab, d, Yuko Shibab, Tomonori Furukawab, Toshihiro Nakashimae, Shinya Uenob, (2016) cis-3-Hexenol and trans-2-hexenal mixture prevents development of PTSD-like phenotype in rats, *Behavioural Brain Research*, Volume 297, 15 January 2016, Pages 251–258

Yu-Ru Guo, Yi-Hao Hsu, An Liang, Wan-Jung Lu, Chi-Hao Wu, Hsiu-Chuan Lee, , Shih-Yi Huang (2015) n-3 Polyunsaturated fatty acids ameliorate cognitive age-related impairments and depressive behaviour in unchallenged aged prediabetic rats, *Journal of Functional Foods*, Volume 19, Part A, December 2015, Pages 522–536

Zhaoju Dong, Zhengping Hu, Haibo Zhu, Ning Li, Huijuan Zhao, Wei Mi, Wanglin Jiang, Xihou Hu, Liang Ye (2015) Tris-(2,3-dibromopropyl) isocyanurate induces depression-like behaviors and neurotoxicity by oxidative damage and cell apoptosis in vitro and in vivo The Journal of Toxicological Sciences Vol. 40 (2015) No. 6 December p. 701-709

Shih-Hang Lin, Mei-Ling Chou, Wei-Cheng Chen, Yi-Syuan Lai, Kuan-Hung Lu, Cherng-Wei Hao, Lee-Yan Sheen (2015) A medicinal herb, *Melissa officinalis* L. ameliorates depressive-like behavior of rats in the forced swimming test via regulating the serotonergic neurotransmitter *Journal of Ethnopharmacology* Available online 25 September 2015

Thompson III, Lorin A. (Higganum, CT, US) Macor, John E. (Washington Crossing, PA, US) (2015) (R)-3-((3S,4S)-3-FLUORO-4-(4-HYDROXYPHENYL)PIPERIDIN-1-YL)-1-(4-METHYLBENZYL)PYRROLIDIN-2-ONE AND ITS PRODRUGS FOR THE TREATMENT OF PSYCHIATRIC DISORDERS, United States Patent Application 20150191496

Adam J. Walker, Brittany M. Foley, Shari L. Sutor, Jane A. McGillivray, Mark A. Frye, Susannah J. Tye, (2015) Peripheral proinflammatory markers associated with ketamine response in a preclinical model of antidepressant-resistance, *Behavioural Brain Research*, Volume 293, 15 October 2015, Pages 198-202, ISSN 0166-43280166-4328, <http://dx.doi.org/10.1016/j.bbr.2015.07.026>.

Y Cheng, R M Rodriguez, S R K Murthy, V Senatorov, E Thouennon, N X Cawley, D K Aryal, S Ahn, B Lecka-Czernik, W C Wetsel and Y P Loh (2015) Neurotrophic factor- $\alpha$ 1 prevents stress-induced depression through enhancement of neurogenesis and is activated by rosiglitazone. *Molecular Psychiatry* 20, 744-754 (June 2015) | doi:10.1038/mp.2014.136

King, Dalton (Hamden, CT, US) Thompson III, Lorin A. (Higganum, CT, US) Shi, Jianliang (Madison, CT, US) Thangathirupathy, Srinivasan (Hosur, IN) Warrier, Jayakumar Sankara (Bangalore, IN) Islam, Imadul (Richmond, CA, US) Macor, John E. (Guilford, CT, US) (2015) Selective NR2B Antagonists, United States Patent Application 20150191452

Thompson III, Lorin A. (Higganum, CT, US) Macor, John E. (Washington Crossing, PA, US) (2015) (R)-3-((3S,4S)-3-FLUORO-4-(4-HYDROXYPHENYL)PIPERIDIN-1-YL)-1-(4-METHYLBENZYL)PYRROLIDIN-2-ONE AND ITS PRODRUGS FOR THE TREATMENT OF PSYCHIATRIC DISORDERS, United States Patent Application 20150191496

E.B. Adamah-Biassi, R.L. Hudson, M.L. Dubocovich, Genetic deletion of MT1 melatonin receptors alters spontaneous behavioral rhythms in male and female C57BL/6 mice, *Hormones and Behavior*, Volume 66, Issue 4, September 2014, Pages 619-627, ISSN 0018-506X, <http://dx.doi.org/10.1016/j.yhbeh.2014.08.012>.

K. Vijaya Kumar, Anjuman Rudra, M.V. Sreedhara, T. Siva Subramani, Durga Shiva Prasad, Manish Lal Das, Senthil Murugesan, Rajbharan Yadav, Ravi Kumar Trivedi, Justin V. Louis, Yu-Wen Li, Linda J. Bristow, Pattipati S. Naidu, Reeba Kannimel Vikramadithyan, (2014) Bacillus Calmette-Guérin vaccine induces a selective serotonin reuptake inhibitor (SSRI)-resistant depression like phenotype in mice, *Brain, Behavior, and Immunity*, Volume 42, November 2014, Pages 204-211, ISSN 0889-1591, <http://dx.doi.org/10.1016/j.bbi.2014.06.205>.

Joga Singh, Sudhir Sharma, Paramdeep Singh, Gurjeet Singh, Ravinder Dang and Neena Bedi (2014) PHARMACOKINETIC AND PHARMACOLOGICAL EVALUATION OF DOV 21947 AND VENLAFAKINE BY ORAL AND INTRANASAL ADMINISTRATION IN MIC, *Canadian Journal of Pure and Applied Science*, Vol. 8, No. 3, pp. 2985-2992, October 2014

Tanji, Kunikazu, Odagiri Saori, Miki, Yasuo Maruyama, Atsushi, Nikaido, Yoshikazu, Mimura, Junsei Mori, Fumiaki Mon, Warab, Eiji, Yanagwa, Toru, Ueno, Shinya, Itoh, Ken, Wakabayashi, Koichi, (2015) p62 Deficiency Enhances  $\alpha$ -Synuclein Pathology in Mice. *Brain Pathology* Volume 25, Issue 5, pages 552–564, September 2015

Shinnyi Chou (2015) Effects of maternal immune activation and repeated maternal separation on postpartum behaviors in the female rat offspring, 8-14-2015, *University of Nebraska Medical Center*

HC Lee, HK Ko, BETG Huang, YH Chu, SY Huang (2014) Antidepressant-like effects of Perilla frutescens seed oil during a forced swimming test, *Food & function*, Issue 5.

Hsiu-Chuan Lee, Hsiang-Kai Ko, Brian E. T.-G. Huang, Yan-Hwa Chu and Shih-Yi Huang, (2014) Antidepressant- like effects of Perilla frutescens seed oil during a forced swimming test, *Food Funct.*, 2014, 5, 990-996, DOI:10.1039/C3FO60717H

Xing Liu, Qin-Hua Gu, Kaizheng Duan, and Zheng Li (2014) NMDA receptor-dependent LTD is required for consolidation but not acquisition of fear memory, *The Journal of Neuroscience*, 25 June 2014, 34(26): 8741-8748; doi: 10.1523/JNEUROSCI.2752-13.2014

Shih-Hang Lin, Wei-Cheng Chen, Kuan-Hung Lu, Pei-Ju Chen, Shu-Chen Hsieh, Tzu-Ming Pan, Shui-Tein Chen, and Lee-Yan Sheen (2014) Down-regulation of Slit-Robo Pathway Mediating Neuronal Cytoskeletal Remodeling Processes Facilitates the Antidepressive-like Activity of Gastrodia elata Blume, *J. Agric. Food Chem.*, 2014, 62 (43), pp 10493–10503\*

Lehmann ML, Geddes CE, Lee JL, Herkenham M (2013) Urine Scent Marking (USM): A Novel Test for Depressive-Like Behavior and a Predictor of Stress Resiliency in Mice. PLoS ONE 8(7): e69822. doi:10.1371/journal.pone.0069822

Chase H. Bourke, Zachary N. Stowe, Gretchen N. Neigh, Darin E. Olson, Michael J. Owens (2013) Prenatal exposure to escitalopram and/or stress in rats produces limited effects on endocrine, behavioral, or gene expression measures in adult male rats, Neurotoxicology and Teratology, Available online 29 July 2013

Yang, Andrew R. S. T., Yi, Heon S., Warnock, Kaitlin T., Mamczarz, Jacek, June, Harry L., Mallick, Nikhil, Krieter, Philip A., Tonelli, Leonardo, Skolnick, Phil Basile, Anthony S.. June, Harry (2012) Effects of the Triple Monoamine Uptake Inhibitor DOV 102,677 on Alcohol-Motivated Responding and Antidepressant Activity in Alcohol-Preferring (P) Rats, Alcoholism: Clinical and Experimental Research. Volume 36, Issue 5, pages 863–873, May 2012

O'Malley, D. R. Austin, T. Tragon, I. D. Henter, J. C. Reed, M. Pellecchia, G. Chen and H. K. Manji (2012) Targeting the BH3-interacting domain death agonist to develop mechanistically unique antidepressants. *Molecular Psychiatry* 17, 770-780 (July 2012) | doi:10.1038/mp.2011.77

Oz Malley, Daniel R. Austin, Tyson Tragon, Gang Wang, Gregory Rompala, Anahita B. Hamidi, Zhenzhong Cui, W. Scott Young, Kazu Nakazawa, Carlos A. Zarate Jr., Husseini K. Manji and Guang Chen (2012) Acute d-serine treatment produces antidepressant-like effects in rodents, *The International Journal of Neuropsychopharmacology* / Volume 15 / Issue 08 / September 2012, pp 1135-1148

Smith, C. M., Hosken, I. T., Sutton, S. W., Lawrence, A. J. and Gundlach, A. L. (2012), Relaxin-3 null mutation mice display a circadian hypoactivity phenotype. *Genes, Brain and Behavior*, 11: 94–104. doi: 10.1111/j.1601-183X.2011.00730.

Keri Martinowich Kathleen M Cardinale, Robert J Schloesser, Michael Hsu, Nigel H Greig, Husseini K Manji (2012), Acetylcholinesterase inhibition ameliorates deficits in motivational drive, *Behavioral and Brain Functions* 2012, 8:15 doi:10.1186/1744-9081-8-15.

Michele L. Saul, Daniel Tylee, Kyeesha T. Becoats, Beatriz G. Guerrero, Patrick Sweeney, Dana L. Helmreich, Julie L. Fudge, (2012) Long-term behavioral consequences of stress exposure in adolescent versus young adult rats, *Behavioural Brain Research*, Volume 229, Issue 1, 1 April 2012, Pages 226–234.

Peixiong Yuan, Tyson Tragon, Menghang Xia, Christopher A. LeClair, Amanda P. Skoumbourdis, Wei Zheng, Craig J. Thomas, Ruili Huang, Christopher P. Austin, Guang Chen, Xavier Guitart, (2011) Phosphodiesterase 4 inhibitors enhance sexual pleasure-seeking activity in rodents, *Pharmacology Biochemistry and Behavior*, Volume 98, Issue 3, May 2011, Pages 349-355, ISSN 0091-3057, <http://dx.doi.org/10.1016/j.pbb.2011.02.001>.

Christian Roberto Mostalac-Preciado, Patricia de Gortari, Carolina López-Rubalcava, (2011) Antidepressant-like effects of mineralocorticoid but not glucocorticoid antagonists in the lateral septum: Interactions with the serotonergic system, *Behavioural Brain Research*, Volume 223, Issue 1, 30 September 2011, Pages 88-98, ISSN 0166-43280166-4328, <http://dx.doi.org/10.1016/j.bbr.2011.04.008>.

W. Ito, M. Chehab, S. Thakur, J. Li and A. Morozov, (2011) BDNF-restricted knockout mice as an animal



model for aggression, Genes, Brain and Behavior (2011) 10: 365–374.

O Malkesman, D R Austin, T Tragon, I D Henter, J C Reed, M Pellecchia, G Chen and H K Manji, (2011) Targeting the BH3- interacting domain death agonist to develop mechanistically unique antidepressants, Nature Molecular Psychiatry,(5 July 2011) | doi:10.1038/mp.2011.77.

Michael L. Lehmann and Miles Herkenham (2011) Environmental Enrichment Confers Stress Resiliency to Social Defeat through an Infralimbic Cortex-Dependent Neuroanatomical Pathway, J. Neurosci., Apr 2011; 31: 6159 – 6173.

Hayashi E, Shimamura M, Kuratani K, Kinoshita M, Hara H.,(2010) Automated experimental system capturing three behavioral components during murine forced swim test., Life Sci. 2011 Feb 28;88(9-10):411-7. Epub 2010 Dec 21.

Hines, L. M., Hoffman, P. L., Bhave, S., Saba, L., Kaiser, A., Snell, L., et al. (2006). A sex-specific role of type VII adenylyl cyclase in depression. J Neurosci, 26(48), 12609-12619.

Tonelli, L. H., Holmes, A., & Postolache, T. T. (2008). Intranasal immune challenge induces sex-dependent depressive-like behavior and cytokine expression in the brain. Neuropsychopharmacology, 33(5), 1038-1048.

Lisa M. Hines, Paula L. Hoffman, Sanjiv Bhave, Laura Saba, Alan Kaiser, Larry Snell, Igor Goncharov, Lucie LeGault, Maurice Dongier, Bridget Grant, Sergey Pronko, Larry Martinez, Masami Yoshimura and Boris Tabakoff (2006) A Sex-Specific Role of Type VII Adenylyl Cyclase in Depression, Journal of Neuroscience 29 November 2006, 26 (48) 12609-12619; DOI: <https://doi.org/10.1523/JNEUROSCI.1040-06.2006>

## 2.0 Poster Presentations

Alexander, B. L., Warner-Schmidt, J., Flajolet, M., Musatov, S., Greengard, P., & aplitt, M.G. (2007, November), AAV-mediated knockdown of p11 in the adult mouse nucleus accumbens results in depression-like state. Presented at SFN, San Diego, CA.

Alexander, B. L., Warner-Schmidt, J., Vernov, M., Arango-Lievano, M., Flajolet, M, Greengard, P., & Kaplitt, M.G. (2008, November), Effects of AAV-mediated p11 knockdown and replacement in the nucleus accumbens on depressive behaviors of WT and p11 KO mice. Presented at SFN, Washington, DC.