1. Bolton Hall AN, Joseph B, Brelsfoard JM, Saatman KE. (2016) Repeated Closed Head Injury in Mice Results in Sustained Motor and Memory Deficits and Chronic Cellular Changes. **PLoS One**. 11(7):e0159442. PMID: 27427961.

2. Bolton Hall, Amanda Nicholle, (2016). HISTOLOGICAL AND BEHAVIORAL CONSEQUENCES OF REPEATED MILD TRAUMATIC BRAIN INJURY IN MICE ***Theses and Dissertations***--*Physiology.* http://uknowledge.uky.edu/physiology_etds/26

3. Briggs DI, Angoa-Pérez M, Kuhn DM. (2016) Prolonged Repetitive Head Trauma Induces a Singular Chronic Traumatic Encephalopathy-Like Pathology in White Matter Despite Transient Behavioral Abnormalities. **Am J Pathol**. [Epub ahead of print] PubMed PMID: 27662795.

4. Davidsson J, Risling M, Kobeissy FH, Dixon CE, Hayes RL, Mondello S. (2016) Injury Models of the Central Nervous System: Methods and Protocols. **Experimental Models for Neurotrauma Research**. (SN 978-1-4939-3816-2). 1462:267-288.

5. Fidan E, Lewis J, Kline AE, Garman RH, Alexander H, Cheng JP, Bondi CO, Clark RS, Dezfulian C, Kochanek PM, Kagan VE, Bayır H. (2016) Repetitive Mild Traumatic Brain Injury in the Developing Brain: Effects on Long-Term Functional Outcome and Neuropathology. **J Neurotrauma**. 33(7):641-51.

6. Guley NH, Rogers JT, Del Mar NA, Deng Y, Islam RM, D'Surney L, Ferrell J, Deng B, Hines-Beard J, Bu W, Ren H, Elberger AJ, Marchetta JG, Rex TS, Honig MG, Reiner A. (2016) A Novel Closed-Head Model of Mild Traumatic Brain Injury Using Focal Primary Overpressure Blast to the Cranium in Mice. **J Neurotrauma**. 33(4):403-22.

7. Karelina K, Sarac B, Freeman LM, Gaier KR, Weil ZM. (2016) Traumatic brain injury and obesity induce persistent central insulin resistance. **Eur J Neurosci**. 43(8):1034-43.

8. Kolisnyk B, Al-Onaizi M, Soreq L, Barbash S, Bekenstein U, Haberman N, Hanin G, Kish MT, Souza da Silva J, Fahnestock M, Ule J, Soreq H, Prado VF, Prado MA. (2016) Cholinergic Surveillance over Hippocampal RNA Metabolism and Alzheimer's-Like Pathology. **Cereb Cortex**. [Epub ahead of print] PubMed PMID: 27312991.

9. Kraft AD, McPherson CA, Harry GJ. (2016) Association Between Microglia, Inflammatory Factors, and Complement with Loss of Hippocampal Mossy Fiber Synapses Induced by Trimethyltin. **Neurotox Res**. [Epub ahead of print] PMID:26892644.

10. Krishnan JK, Arun P, Appu AP, Vijayakumar N, Figueiredo TH, Braga MF, Baskota S, Olsen CH, Farkas N, Dagata J, Frey WH 2nd, Moffett JR, Namboodiri AM. (2016) Intranasal delivery of obidoxime to the brain prevents mortality and CNS damage from organophosphate poisoning. **Neurotoxicology**. 53:64-73. [Epub ahead of print] PMID: 26751814.

11. Lesniak A, Pick CG, Misicka A, Lipkowski AW, Sacharczuk M. (2016) Biphalin protects against cognitive deficits in a mouse model of mild traumatic brain injury (mTBI). **Neuropharmacology**. 101:506-18.

12. Loth MK, Choi J, McGlothan JL, Pletnikov MV, Pomper MG, Guilarte TR. (2016) TSPO in a murine model of Sandhoff disease: presymptomatic marker of neurodegeneration and disease pathophysiology. **Neurobiol Dis**. 85:174-86.

13. Namjoshi DR, Cheng WH, Carr M, Martens KM, Zareyan S, Wilkinson A, McInnes KA, Cripton PA, Wellington CL. (2016) Chronic Exposure to Androgenic-Anabolic Steroids Exacerbates Axonal Injury and Microgliosis in the CHIMERA Mouse Model of Repetitive Concussion. **PLoS One**. 11(1):e0146540. PMID: 26784694.

14. Pancaro C, Segal BS, Sikes RW, Almeer Z, Schumann R, Azocar RJ, Marchand JE. (2016) Dexmedetomidine and ketamine show distinct patterns of cell degeneration and apoptosis in the developing rat neonatal brain. **J Matern Fetal Neonatal Med**. 8:1-7.

15. Qin X, You H, Cao F, Wu Y, Peng J, Pang J, Xu H, Chen Y, Chen L, Vitek MP, Li F, Sun X, Jiang Y. (2016) Apolipoprotein E Mimetic Peptide Increases Cerebral Glucose Uptake by Reducing Blood-Brain Barrier Disruption after Controlled Cortical Impact in Mice: An (18)F-Fluorodeoxyglucose PET/CT Study. **J Neurotrauma**. PubMed PMID: 27411737.

16. Wang Y, Wei YL, Oguntayo S, Wilder D, Tong L, Su Y, Gist I, Arun P, and Long JB. (2016) Cerebrospinal Fluid Chemokine (C-C Motif) Ligand 2 Is an Early-Response Biomarker for Blast-Overpressure-Wave–Induced Neurotrauma in Rats. **J Neurotrauma**. Epub ahead of print. doi:10.1089/neu.2016.4465.

17. Weil ZM, Karelina K, Gaier KR, Corrigan TE, Corrigan JD. (2016) Juvenile Traumatic Brain Injury Increases Alcohol Consumption and Reward in Female Mice. **J Neurotrauma**. 33(9):895-903.

18. Wise JP Jr, Cannon J. (2016) From the Cover: Alterations in Optineurin Expression and Localization in Pre-clinical Parkinson's Disease Models. **Toxicol Sci**. 153(2):372-81.

19. Xu L, Nguyen JV, Lehar M, Menon A, Rha E, Arena J, Ryu J, Marsh-Armstrong N, Marmarou CR, Koliatsos VE. (2016) Repetitive mild traumatic brain injury with impact acceleration in the mouse: Multifocal axonopathy, neuroinflammation, and neurodegeneration in the visual system. **Exp Neurol**.275 Pt 3:436-49.

20. Zhang YJ, Gendron TF, Grima JC, Sasaguri H, Jansen-West K, Xu YF, Katzman RB, Gass J, Murray ME, Shinohara M, Lin WL, Garrett A, Stankowski JN, Daughrity L,Tong J, Perkerson EA, Yue M, Chew J, Castanedes-Casey M, Kurti A, Wang ZS, Liesinger AM, Baker JD, Jiang J, Lagier-Tourenne C, Edbauer D, Cleveland DW,Rademakers R, Boylan KB, Bu G, Link CD, Dickey CA, Rothstein JD, Dickson DW, Fryer JD, Petrucelli L. (2016) C9ORF72 poly(GA) aggregates sequester and impair HR23 and nucleocytoplasmic transport proteins. **Nat Neurosci**. 19(5):668-77.

21. Baizer JS, Wong KM, Manohar S, Hayes SH, Ding D, Dingman R, Salvi RJ. (2015) Effects of acoustic trauma on the auditory system of the rat: The role of microglia. **Neuroscience**. 303:299-311.

22. Campbell LA, Avdoshina V, Day C, Lim ST, Mocchetti I. (2015) Pharmacological induction of CCL5 in vivo prevents gp120-mediated neuronal injury. **Neuropharmacology**. 92:98-107.

23. Caron AM, Stephenson R. (2015) Sleep deprivation does not affect neuronal susceptibility to mild traumatic brain injury in the rat. **Nat Sci Sleep.** 7:63-72.

24. Fidan E, Lewis J, Kline AE, Garman RH, Alexander H, Cheng JP, Bondi CO, Clark R, Dezfulian C, Kochanek PM, Kagan VE, Bayır H. (2015) Repetitive mild traumatic brain injury in the developing brain: effects on long-term functional outcome and neuropathology. **J Neurotrauma**. [Epub ahead of print] PMID: 26214116.

25. Guley NH, Rogers JT, Del Mar NA, Deng Y, Islam RM, D'Surney L, Ferrell J, Deng B, Hines-Beard J, Bu W, Ren H, Elberger AJ, Marchetta JG, Rex TS, Honig MG, Reiner A. (2015) A Novel Closed-Head Model of Mild Traumatic Brain Injury Using Focal Primary Overpressure Blast to the Cranium in Mice. **J Neurotrauma**. [Epub ahead of print] PMID: 26414413.

26. Jimenez-Mateos EM, Arribas-Blazquez M, Sanz-Rodriguez A, Concannon C, Olivos-Ore LA, Reschke CR, Mooney CM, Mooney C, Lugara E, Morgan J, Langa E, Jimenez-Pacheco A, Silva LF, Mesuret G, Boison D, Miras-Portugal MT, Letavic M, Artalejo AR, Bhattacharya A, Diaz-Hernandez M, Henshall DC, Engel T. (2015) microRNA targeting of the P2X7 purinoceptor opposes a contralateral epileptogenic focus in the hippocampus. **Sci Rep**. 5:17486.

27. Kummer TT, Magnoni S, MacDonald CL, Dikranian K, Milner E, Sorrell J, Conte V, Benetatos JJ, Zipfel GJ, Brody DL. (2015) Experimental subarachnoid haemorrhage results in multifocal axonal injury. **Brain**. awv180. [Epub ahead of print] PMID: 26115676.

28. Larivière R, Gaudet R, Gentil BJ, Girard M, Conte TC, Minotti S, Leclerc-Desaulniers K, Gehring K, McKinney RA, Shoubridge EA, McPherson PS, Durham HD, Brais B. (2015) Sacs knockout mice present pathophysiological defects underlying autosomal recessive spastic ataxia of Charlevoix-Saguenay. **Hum Mol Genet**. 24(3):727-39.

29. Pitts MW, Kremer PM, Hashimoto AC, Torres DJ, Byrns CN, Williams CS, Berry MJ. (2015) Competition between the Brain and Testes under Selenium-Compromised Conditions: Insight into Sex Differences in Selenium Metabolism and Risk of Neurodevelopmental Disease. **J Neurosci**. 35(46):15326-38.

30. Rodriguez-Alvarez N, Jimenez-Mateos EM, Dunleavy M, Waddington JL, Boylan GB, Henshall DC. (2015) Effects of hypoxia-induced neonatal seizures on acute hippocampal injury and later-life seizure susceptibility and anxiety-related behavior in mice. **Neurobiol Dis**. 83:100-14.

31. Rozas NS, Redell JB, Hill JL, McKenna J 3rd, Moore AN, Gambello MJ, Dash PK. (2015) Genetic activation of mTORC1 signaling worsens neurocognitive outcome after traumatic brain injury. **J Neurotrauma**. 32(2):149-58.

32. Weil Z, Karelina K, Gaier KR, Corrigan TE, Corrigan JD. (2015) Juvenile Traumatic Brain Injury Increases Alcohol Consumption and Reward in Female Mice. **J Neurotrauma**. [Epub ahead of print] PMID: 26153729.

33. Xu L, Ryu J, Hiel H, Menon A, Aggarwal A, Rha E, Mahairaki V, Cummings BJ, Koliatsos VE. (2015) Transplantation of human oligodendrocyte progenitor cells in an animal model of diffuse traumatic axonal injury: survival and differentiation. **Stem Cell Res Ther**. 6:93. PMID: 25971252.

34. Xu L, Ryu J, Nguyen JV, Arena J, Rha E, Vranis P, Hitt D, Marsh-Armstrong N, Koliatsos VE. (2015) Evidence for accelerated tauopathy in the retina of transgenic P301S tau mice exposed to repetitive mild traumatic brain injury. **Exp Neurol**. 273:168-76.

35. Baizer JS (2014) Unique features of the human brainstem and cerebellum. **Frontiers in Human Neuroscience** 8:202.

36. Bennett RE, Brody DL (2014) Acute Reduction of Microglia Does Not Alter Axonal Injury In a Mouse Model of Repetitive Concussive Traumatic Brain Injury. **J. Neurotrauma** 31(19):1647-63.

37. Byrns CN, Pitts MW, Gilman CA, Hashimoto AC, Berry MJ (2014) Mice Lacking Selenoprotein P and Selenocysteine Lyase Exhibit Severe Neurological Dysfunction, Neurodegeneration, and Audiogenic Seizures. **J. Biological Chemistry** 289(14):9662-74.

38. Cachón-González MB, Wang SZ, Ziegler R, Cheng SH, Cox TM (2014) Reversibility of neuropathology in Tay–Sachs-related diseases. **Human Molecular Genetics** 23(3):730-48.

39. Chen Z, Shin D, Chen S, Mikhail K, Hadass O, Tomlison BN, Korkin D, Shyu CR, Cui JK, Anthony DC, Gu Z (2014) Histological Quantitation of Brain Injury Using Whole Slide Imaging: A Pilot Validation Study in Mice. **PloS One** 9(3):e92133.

40. Hebron M, Chen W, Miessau MJ, Lonskaya I, Moussa CEH (2014) Parkin reverses TDP-43-induced cell death and failure of amino acid homeostasis. **J. Neurochem.** 129(2):350-61.

41. Heldt SA, Elberger AJ, Deng Y, Guley NH, Del Mar N, Rogers J, Choi GW, Ferrell J, Rex TS, Honig MG, Reiner A (2014) A novel closed-head model of mild traumatic brain injury caused by primary overpressure blast to the cranium produces sustained emotional deficits in mice. **Frontiers in Neurology** 5:2.

42. Kovacs SK, Leonessa F, Ling GS (2014) Blast TBI models, neuropathology, and implications for seizure risk. **Frontiers in Neurology** 5:47.

43. Larivière R, Gaudet R, Gentil BJ, Girard M, Conte TC, Minotti S, Leclerc-Desaulniers1 K, Gehring K, McKinney RA, Shoubridge EA, McPherson PS, Durham HD, Brais B (2014) Sacs knockout mice present pathophysiological defects underlying autosomal recessive spastic ataxia of Charlevoix-Saguenay. **Human Molecular Genetics** ddu491.

44. Martin LJ, Semenkow S, Hanaford A, Wong M (2014) The mitochondrial permeability transition pore regulates Parkinson's disease development in mutant α-synuclein transgenic mice. **Neurobiology of Aging** 35(5):1132-52.

45. Potter MC, Wozniak KM, Callizot N, Slusher BS (2014) Glutamate Carboxypeptidase II Inhibition Behaviorally and Physiologically Improves Pyridoxine-Induced Neuropathy in Rats. **PloS One** 9(9):e102936.

46. Rozas de O'Laughlin N, Redell JB, Hill J, McKenna J, Moore AN, Gambello MJ, Dash PK (2014) Genetic activation of m TORC1 signaling worsens neurocognitive outcome after traumatic brain injury. **J. Neurotrauma** PMC3988378.

47. Ryu J, Horkayne-Szakaly I, Xu L, Pletnikova O, Leri F, Eberhart C, Troncoso JC, Koliatsos VE (2014) The problem of axonal injury in the brains of veterans with histories of blast exposure. **Acta Neuropathol Commun.** 2:153.

48. Schultz MK, Wright LKM, de Araujo Furtado M, Stone MF, Moffett MC, Kelley NR, Bourne AR, Lumeh WZ, Schultz CR, Schwartz JE, Lumley LA (2014) Caramiphen edisylate as adjunct to standard therapy attenuates soman-induced seizures and cognitive deficits in rats. **Neurotoxicology and Teratology** 44:89-104.

49. Tsika E, Glauser L, Moser R, Fiser A, Daniel G. Sheerin UM, Lees A, Troncoso JC, Lewis PA, Bandopadhyay R, Schneider BL, Moore DJ (2014) Parkinson's disease-linked mutations in VPS35 induce dopaminergic neurodegeneration. **Human Molecular Genetics** 23(17):4621-38.

50. Tsika E, Kannan M, Foo CSY, Dikeman D, Glauser L, Gellhaar S, Galter D, Knott GW, Dawson TM, Dawson VL, Moore DJ (2014) Conditional Expression of Parkinson's Disease-Related R1441C LRRK2 in Midbrain Dopaminergic Neurons of Mice Causes Nuclear Abnormalities without Neurodegeneration. **Neurobiol. Dis.** 71:345-58.

51. Valiyaveettil M, Alamneh YA, Wang Y, Arun P, Oguntayo S, Wei YL, Long JB, Nambiar MP (2014) Cytoskeletal protein α–II spectrin degradation in the brain of repeated blast exposed mice. **Brain Res.** 1549:32-41.

52. Weil ZM, Gaier KR, Karelina K (2014) Injury timing alters metabolic, inflammatory and functional outcomes following repeated mild traumatic brain injury. **Neurobiol. Dis.** 70:108-16.

53. Yin TC, Britt JK, De Jesús-Cortés H, Lu Y, Genova RM, Khan MZ, Voorhees JR, Shao J, Katzman AC, Huntington PJ, Wassink C, McDaniel L, Newell EA, Dutca LM, Naidoo J, Cui H, Bassuk AG, Harper MM, McKnight SL, Ready JM, Pieper AA. (2014) P7C3 neuroprotective chemicals block axonal degeneration and preserve function after traumatic brain injury. **Cell Rep**. 8(6):1731-40.

54. Feeney EJ, Stephenson D, Kleiman R, Bove S, Cron C, Moody L, Robinson M, Ramirez JJ (2013) Immunohistochemical characterization of axonal sprouting in mice. **Restorative Neurology and Neuroscience** 31(5):517-531.

55. Foxworthy WA, Clemo HR, Meredith MA (2013) Laminar and connectional organization of a multisensory cortex. **J. Comp. Neurol.** 521(8):1867-90.

56. Hylin MJ, Orsi SA, Zhao J, Bockhorst K H, Perez AI, Moore AN, Dash PK (2013) Behavioral and histopathological alterations resulting from mild fluid percussion injury. **J. Neurotrauma** 30(9):702-715

57. Iglesias-Bregna D, Hanak S, Ji Z, Petty M, Liu L, Zhang D, McMonagle-Strucko K (2013) Effects of Prophylactic and Therapeutic Teriflunomide in Transcranial Magnetic Stimulation–Induced Motor-Evoked Potentials in the Dark Agouti Rat Model of Experimental Autoimmune Encephalomyelitis. **J. Pharmacol. Exp. Ther.** 347(1):203-11.

58. Kraft AW, Hu X, Yoon H, Yan P, Xiao Q, Wang Y, Gil SC, Brown J, Wilhelmsson U, Restivo JL, Cirrito JR, Holtzman DM, Kim J, Pekny M, Lee JM (2013) Attenuating astrocyte activation accelerates plaque pathogenesis in APP/PS1 mice. **FASEB J.** 27(1):187-98.

59. Namjoshi DR, Martin G, Donkin J, Wilkinson A, Stukas S, Fan J, Carr M, Tabarestani S, Wuerth K, Hancock RE, Wellington CL (2013) The Liver X Receptor Agonist GW3965 Improves Recovery from Mild Repetitive Traumatic Brain Injury in Mice Partly through Apolipoprotein E. **PloS One** 8(1): e53529.

60. Tong J, Huang C, Bi F, Wu Q, Huang B, Liu XH, Li F, Zhou HX, Xia XG (2013) Expression of ALS-linked TDP-43 mutant in astrocytes causes non-cell-autonomous motor neuron death in rats. **EMBO J.** 32(13):1917-26.

61. Acosta MT, Munashinge J, Zhang L, Guerron DA, Vortmeyer A, Theodore WH (2012) Isolated seizures in rats do not cause neuronal injury. **Acta Neurol. Scand.** 125(1):30-37.

62. Bennett RE, Mac Donald CL, Brody DL (2012) Diffusion tensor imaging detects axonal injury in a mouse model of repetitive closed-skull traumatic brain injury. **Neurosci. Lett.** 513(2):160-5.

63. Brunjes PC (2012) The mouse olfactory peduncle. 2. The anterior limb of the anterior commissure. **Front. Neuroanat.** 6:51.

64. Doehner J, Genoud C, Imhof C, Krstic D, Knuesel I (2012) Extrusion of misfolded and aggregated proteins--a protective strategy of aging neurons? **Eur. J. Neurosci.** 35(12):1938-50.

65. Fünfschilling U, Jockusch WJ, Sivakumar N, Möbius W, Corthals K, Li S, Quintes S, Kim Y, Schaap IA, Rhee JS, Nave KA, Saher G

(2012) Critical time window of neuronal cholesterol synthesis during neurite outgrowth. **J. Neurosci.** 32(22):7632-45.

66. Jiang Y, Brody DL (2012) Administration of COG1410 Reduces Axonal Amyloid Precursor Protein Immunoreactivity and Microglial Activation after Controlled Cortical Impact in Mice. **J. Neurotrauma** 29(13):2332-41.

67. Krstic D, Madhusudan A, Doehner J, Vogel P, Notter T, Imhof C, Manalastas A, Hilfiker M, Pfister S, Schwerdel C, Riether C, Meyer U, Knuesel I (2012) Systemic immune challenges trigger and drive Alzheimer-like neuropathology in mice. **J. Neuroinflamm.** 9(1):151.

68. Langston JL, Wright LK, Connis N, Lumley LA (2012) Characterizing the behavioral effects of nerve agent-induced seizure activity in rats: Increased startle reactivity and perseverative behavior. **Pharmacol. Biochem. Behav.** 100(3):382-391.

69. Plantman S, Ng KC, Lu J, Davidsson J, Risling M (2012) Characterization of a Novel Rat Model of Penetrating Traumatic Brain Injury. **J. Neurotrauma** 29(6):1219-32.

70. Schultz MK, Wright LKM, Stone MF, Schwartz JE, Kelley NR, Moffett MC, Lee RB, Lumley LA (2012) The anticholinergic and antiglutamatergic drug caramiphen reduces seizure duration in soman-exposed rats: Synergis with the benzodiazepine diazepam. **Toxiocol. App. Pharmacol.** 259(3):376-86.

71. Svetlov SI, Prima V, Glushakova O, Svetlov A, Kirk DR, Gutierrez H, Serebruany VL, Curley KC, Wang KK, Hayes RL (2012) Neuro-glial and systemic mechanisms of pathological responses in rat models of primary blast overpressure compared to "composite" blast. **Front Neurol.** 3:15. PMID: 22403567.

72. Vignaux G, Chabbert C, Gaboyard-Niay S, Travo C, Machado ML, Denise P, Comoz F, Hitier M, Landemore G, Philoxene B, Besnard S (2012) Evaluation of the chemical model of vestibular lesions induced by arsanilate in rats. **Toxicol. App. Pharmacol.** 258(1):61-71.

73. Yoon SO, Park DJ, Ryu JC, Ozer HG, Tep C, Shin YJ, Lim TH, Pastorino L, Kunwar AJ, Walton JC, Nagahara AH, Lu KP, Nelson RJ, Tuszynski MH, Huang K (2012) JNK3 perpetuates metabolic stress induced by Aβ peptides. **Neuron** 75(5):824-37.

74. Bliss RM, Finckbone VL, Trice J, Strahlendorf H, Strahlendorf J (2011) Tumor necrosis factor-α (TNF-α) augments AMPA-induced Purkinje neuron toxicity. **Brain Res.** 1386:1-14.

75. Davidsson J, Risling M (2011) A new model to produce sagittal plane rotational induced diffuse axonal injuries. **Front. Neurol.** 2:41.

76. Khandelwal PJ, Herman AM, Hoe HS, Rebeck GW, Moussa CE (2011) Parkin mediates beclin-dependent autophagic clearance of defective mitochondria and ubiquitinated Abeta in AD models. **Hum. Mol. Genet.** 20(11):2091-102.

77. Koliatsos VE, Cernak I, Xu L, Song Y, Savonenko A, Crain BJ, Eberhart CG, Frangakis CE, Melnikova T, Kim H, Lee D (2011) A mouse model of blast injury to brain: initial pathological, neuropathological, and behavioral characterization. **J. Neuropathol. Exp. Neurol.** 70(5):399-416.

78. Langston JL, Wright LK, Connis N, Lumley LA (2011) Characterizing the behavioral effects of nerve agent-induced seizure activity in rats: Increased startle reactivity and perseverative behavior. **Pharmacol Biochem Behav.** 100(3), 382-391.

79. Moffett MC, Schultz MK, Schwartz JE, Stone MF, Lumley LA (2011) Impaired auditory and contextual fear conditioning in soman-exposed rats. **Pharmacol Biochem Behav.** 98(1):120-9.

80. Shitaka Y, Tran HT, Bennett RE, Sanchez L, Levy MA, Dikranian K, Brody DL (2011) Repetitive closed-skull traumatic brain injury in mice causes persistent multifocal axonal injury and microglial reactivity. **J Neuropathol Exp. Neurol.** 70(7):551-67.

81. Wang Y, Pan Y, Price A, Martin LJ (2011) Generation and characterization of transgenic mice expressing mitochondrial targeted red fluorescent protein selectively in neurons: modeling mitochondriopathy in excitotoxicity and amyotrophic lateral sclerosis. **Molecular Neurodegeneration** 6:75.

82. Wang Y, Wei Y, Oguntayo S, Wilkins W, Arun P, Valiyaveettil M, Song J, Long JB, Nambiar MP (2011) Tightly coupled repetitive blast-induced traumatic brain injury: development and characterization in mice. **J. Neurotrauma** 28(10):2171-83.

83. De Araujo Furtado M, Lumley LA, Robison C, Tong LC, Lichtenstein S, Yourick DL (2010) Spontaneous recurrent seizures after status epilepticus induced by soman in Sprague-Dawley rats. **Epilepsia** 51(8):1503-10.

84. Khandelwal PJ, Dumanis SB, Feng LR, Maguire-Zeiss K, Rebeck GW, Lashuel HA, Moussa CEH (2010) Parkinson-related parkin reduces alpha-Synuclein phosphorylation in a gene transfer model. **Mol. Neurodegeneration** 5(47):1-13.

85. Kocherhans S, Madhusudan A, Doehner J, Breu KS, Nitsch RM, Fritschy JM, Knuesel I (2010) Reduced Reelin expression accelerates amyloid-beta plaque formation and tau pathology in transgenic Alzheimer's disease mice. **J. Neurosci.** 30(27):9228-40.

86. Kunimoto S, Nakamura S, Wada K, Inoue T (2010) Chronic stress-mutated presenilin 1 gene interaction perturbs neurogenesis and accelerates neurodegeneration. **Exp. Neurol.** 221(1):175-85.

87. Liu M, Choi D-Y, Hunter RL, Pandya JD, Cass WA, Sullivan PG, Kim H-C, Gash DM, Bing G (2010) Trichloroethylene induces dopaminergic neurodegeneration in Fisher 344 rats. **J. Neurochem.** 112(3):773-83.

88. Obeid M, Frank J, Medina M, Finckbone V, Bliss R, Bista B, Majmudar S, Hurst D, Strahlendorf H, Strahlendorf J (2010) Neuroprotective effects of leptin following kainic acid-induced status epilepticus. **Epilepsy Behav.** 19(3):278-83.

89. Rebeck GW, Hoe H-S, Moussa CEH (2010) β-Amyloid Gene Transfer Model Exhibits Intraneuronal Amyloid, Gliosis, Tau Phosphorylation, and Neuronal Loss. **J. Biol. Chem.** 285:7440-6.

90. Siddiqui A, Mallajosyula JK, Rane A, Andersen JK (2010) Ability to delay neuropathological events associated with astrocytic MAO- B increase in a Parkinsonian mouse model: implications for early intervention on disease progression. **Neurobiol. Dis.** 40(2):444-8.

91. Smith WW, Liu Z, Liang Y, Masuda N, Swing DA, Jenkins NA, Copeland NG, Troncoso JC, Pletnikov M, Dawson TM, Martin LJ, Moran TH, Lee MK, Borchelt DR, Ross CA (2010) Synphilin-1 attenuates neuronal degeneration in the A53T alpha-synuclein transgenic mouse model. **Hum. Mol. Genet.** 19(11):2087-98.

92. Valor LM, Jancic D, Lujan R, Barco A (2010) Ultrastructural and transcriptional profiling of neuropathological misregulation of CREB function. **Cell Death Differ.** 17(10):1636-44.

93. Wong M, Martin LJ (2010) Skeletal muscle-restricted expression of human SOD1 causes motor neuron degeneration in transgenic mice. **Hum. Mol. Genet.** 19(11):2284-302.

94. Xu YF, Gendron TF, Zhang YJ, Lin WL, D'Alton S, Sheng H, Casey MC, Tong J, Knight J, Yu X, Rademakers R, Boylan K, Hutton M, McGowan E, Dickson DW, Lewis J, Petrucelli L (2010) Wild-type human TDP-43 expression causes TDP-43 phosphorylation, mitochondrial aggregation, motor deficits, and early mortality in transgenic mice. **J. Neurosci.** 30(32):10851-9.

95. Zhang J, Peng Q, Li Q, Jahanshad N, Hou Z, Jiang M, Masuda N, Langbehn DR, Miller MI, Mori S, Ross CA, Duan W (2010) Longitudinal characterization of brain atrophy of a Huntington's disease mouse model by automated morphological analyses of magnetic resonance images. **Neuroimage** 49(3):2340-51.

96. Zhou H, Huang C, Chen H, Wang D, Landel CP, Xia PY, Bowser R, Liu YJ, Xia XG (2010) Transgenic rat model of neurodegeneration caused by mutation in the TDP gene. **PLoS Genet.** 6(3):e1000887.

97. Bauman RA, Ling G, Tong L, Januszkiewicz A, Agoston D, de Lanerolle N, Kim Y, Ritzel D, Bell R, Ecklund J, Armonda R, Bandak F, Parks S (2009) An introductory characterization of a combat-casualty-care relevant swine model of closed head injury resulting from exposure to explosive blast. **J. Neurotrauma** 26(6):841-60.

98. Burns MP, Zhang L, Rebeck GW, Querfurth HW, Moussa CE (2009) Parkin promotes intracellular Abeta1-42 clearance. **Hum. Mol. Genet.** 18(17):3206-16.

99. Choi DY, Liu M, Hunter RL, Cass WA, Pandya JD, Sullivan PG, Shin EJ, Kim HC, Gash DM, Bing G (2009) Striatal neuroinflammation promotes Parkinsonism in rats. **PLoS One** 4(5):e5482.

100. Deshpande A, Dombrowski SM, Leichliter A, Krajcir N, Zingales N, Inoue M, Schenk S, Fukamachi K, Luciano MG (2009) Dissociation between vascular endothelial growth factor receptor-2 and blood vessel density in the caudate nucleus after chronic hydrocephalus. **J. Cerebr. Blood F. Met.** 29(11):1806-15.

101. Han SR, Shin C, Park S, Rhyu S, Park J, Kim YI (2009) Differential expression of activating transcription factor-2 and c-Jun in the immature and adult rat hippocampus following lithium-pilocarpine induced status epilepticus. Yonsei. **Med. J.** 50(2):200-5.

102. Jinde S, Belforte JE, Yamamoto J, Wilson MA, Tonegawa S, Nakazawa K (2009) Lack of kainic acid-induced gamma oscillations predicts subsequent CA1 excitotoxic cell death. **Eur. J. Neurosci.** 30(6):1036-55.

103. Long JB, Bentley TL, Wessner KA, Cerone C, Sweeney S, Bauman RA (2009) Blast overpressure in rats: recreating a battlefield injury in the laboratory. **J. Neurotrauma** 26(6):827-40.

104. Pernot F, Carpentier P, Baille V, Testylier G, Beaup C, Foquin A, Filliat P, Liscia P, Coutan M, Piérard C, Béracochea D, Dorandeu F (2009) Intrahippocampal cholinesterase inhibition induces epileptogenesis in mice without evidence of neurodegenerative events. **Neurosci.** 162(4):1351-65.

105. Rajasekaran K, Sun C, Bertram EH (2009) Altered pharmacology and GABA-A receptor subunit expression in dorsal midline thalamic neurons in limbic epilepsy. **Neurobiol. Dis.** 33(1):119-32.

106. Shear DA, Williams AJ, Sharrow K, Lu XC, Tortella FC (2009) Neuroprotective profile of dextromethorphan in an experimental model of penetrating ballistic-like brain injury. **Pharmacol. Biochem. Behav.** 94(1):56-62.

107. Sloan DM, Bertram EH (2009) Changes in midline thalamic recruiting responses in the prefrontal cortex of the rat during the development of chronic limbic seizures. **Epilepsia** 50(3):556-65.

108. Vig PJ, Shao Q, Subramony SH, Lopez ME, Safaya E (2009) Bergmann glial S100B activates myo-inositol monophosphatase 1 and co-localizes to purkinje cell vacuoles in SCA1 transgenic mice. **Cerebellum** 8(3):231-44.

109. Berman RF, Pessah IN, Mouton PR, Mav D, Harry J (2008) Low-level neonatal thimerosal exposure: further evaluation of altered neurotoxic potential in SJL mice. **Toxicol. Sci.** 101(2):294-309.

110. Calingasan NY, Ho DJ, Wille EJ, Campagna MV, Ruan J, Dumont M, Yang L, Shi Q, Gibson GE, Beal MF (2008) Influence of mitochondrial enzyme deficiency on adult neurogenesis in mouse models of neurodegenerative diseases. **Neurosci.** 153(4):986-96.

111. Chen L, Ding Y, Cagniard B, Van Laar AD, Mortimer A, Chi W, Hastings TG, Kang UJ, Zhuang X (2008) Unregulated cytosolic

dopamine causes neurodegeneration associated with oxidative stress in mice. **J. Neurosci.** 28(2):425-33.

112. Chen ZL, Yu H, Yu WM, Pawlak R, Strickland S (2008) Proteolytic fragments of laminin promote excitotoxic neurodegeneration by up-regulation of the KA1 subunit of the kainate receptor. **J. Cell Biol.** 183(7):1299-313.

113. Dombrowski SM, Deshpande A, Dingwall C, Leichliter A, Leibson Z, Luciano MG (2008) Chronic hydrocephalus-induced hypoxia: increased expression of VEGFR-2+ and blood vessel density in hippocampus. **Neurosci.** 152(2):346-59.

114. Eid T, Ghosh A, Wang Y, Beckström H, Zaveri HP, Lee TS, Lai JC, Malthankar-Phatak GH, de Lanerolle NC (2008) Recurrent seizures and brain pathology after inhibition of glutamine synthetase in the hippocampus in rats. **Brain** 131(Pt 8):2061-70.

115. Flanagan-Cato LM, Fluharty SJ, Weinreb EB, LaBelle DR (2008) Food restriction alters neuronal morphology in the hypothalamic ventromedial nucleus of male rats. **Endocrinology** 149(1):93-9.

116. Guilarte TR, Burton NC, Verina T, Prabhu VV, Becker KG, Syversen T, Schneider JS (2008) Increased APLP1 expression and neurodegeneration in the frontal cortex of manganese-exposed non-human primates. **J. Neurochem.** 105(5):1948-59.

117. Guillot TS, Shepherd KR, Richardson JR, Wang MZ, Li Y, Emson PC, Miller GW (2008) Reduced vesicular storage of dopamine exacerbates methamphetamine-induced neurodegeneration and astrogliosis. **J. Neurochem.** 106(5):2205-17.

118. Jackson N, Muthuswamy J (2008) Artificial dural sealant that allows multiple penetrations of implantable brain probes. **J. Neurosci. Methods.** 171(1):147-52.

119. Lehrmann E, Guidetti P, Löve A, Williamson J, Bertram EH, Schwarcz R (2008) Glial activation precedes seizures and hippocampal neurodegeneration in measles virus-infected mice. **Epilepsia** 49 Suppl 2:13-23.

120. Liu L, Orozco IJ, Planel E, Wen Y, Bretteville A, Krishnamurthy P, Wang L, Herman M, Figueroa H, Yu WH, Arancio O, Duff K (2008) A transgenic rat that develops Alzheimer's disease-like amyloid pathology, deficits in synaptic plasticity and cognitive impairment. **Neurobiol. Dis.** 31(1):46-57.

121. Mallajosyula JK, Kaur D, Chinta SJ, Rajagopalan S, Rane A, Nicholls DG, Di Monte DA, Macarthur H, Andersen JK (2008) MAO-B elevation in mouse brain astrocytes results in Parkinson's pathology. **PLoS One** 3(2):e1616.

122. Masuda N, Peng Q, Li Q, Jiang M, Liang Y, Wang X, Zhao M, Wang W, Ross CA, Duan W (2008) Tiagabine is neuroprotective in the N171-82Q and R6/2 mouse models of Huntington's disease. **Neurobiol. Dis.** 30(3):293-302.

123. Moussa CE, Rusnak M, Hailu A, Sidhu A, Fricke ST (2008) Alterations of striatal glutamate transmission in rotenone-treated mice: MRI/MRS in vivo studies. **Exp. Neurol.** 209(1):224-33.

124. Wetzel MK, Naska S, Laliberté CL, Rymar VV, Fujitani M, Biernaskie JA, Cole CJ, Lerch JP, Spring S, Wang SH, Frankland PW, Henkelman RM, Josselyn SA, Sadikot AF, Miller FD, Kaplan DR (2008) p73 regulates neurodegeneration and phospho-tau accumulation during aging and Alzheimer's disease. **Neuron** 59(5):708-21.

125. Bliss RM, Hoffman T, Finckbone V, Zeitouni T, Mansouri B, Strahlendorf J (2007) AMPA-induced excitotoxicity stimulates calpain activity and is exacerbated by tumor necrosis factor-α; (TNF-α) in the CA1 and CA3 regions of the hippocampus in an acute slice model. **FASEB J.** 21:943.2.

126. Caudle WM, Richardson JR, Wang MZ, Taylor TN, Guillot TS, McCormack AL, Colebrooke RE, Di Monte DA, Emson PC, Miller GW (2007) Reduced vesicular storage of dopamine causes progressive nigrostriatal neurodegeneration. **J. Neurosci.** 27:8138-48.

127. Kaur D, Rajagopalan S, Chinta S, Kumar J, Monte DD, Cherny RA, Andersen JK (2007) Chronic ferritin expression within murine dopaminergic midbrain neurons results in a progressive age-related neurodegeneration. **Brain Res.** 1140:188-94.

128. Liang ZQ, Li YL, Zhao XL, Han R, Wang XX, Wang Y, Chase TN, Bennett MC, Qin ZH (2007) NF-kappaB contributes to 6-hydroxydopamine-induced apoptosis of nigral dopaminergic neurons through p53. **Brain Res.** 1145:190-203.

129. Parthasarathy KS, Cheng YC, McAllister JP 2nd, Shen Y, Li J, Deren K, Haacke EM, Auner GW (2007) Biocompatibilities of sapphire and borosilicate glass as cortical neuroprostheses. **Magn. Reson. Imaging** 25(9):1333-40.

130. Setsuie R, Wang YL, Mochizuki H, Osaka H, Hayakawa H, Ichihara N, Li H, Furuta A, Sano Y, SunYJ, Kwon J, Kabuta T, Yoshimi K, Aoki S, Mizuno Y, Noda M, Wada K (2007) Dopaminergic neuronal loss in transgenic mice expressing the Parkinson's disease-associated UCH-L1 193M mutant. **Neurochem. Int.** 50:119-29.

131. Wang A, Liang X, McAllister II JP, Li J, Brabant K, Black C, Finlayson P, Cao T, Tang H, Salley SO, Auner GW, Simon Ng KY (2007) Stability of and inflammatory response to silicon coated with a fluoroalkyl self-assembled monolayer in the central nervous system. **J. Biomed. Mater. Res. A** 81:363-72.

132. Williams AJ, Wei HH, Dave JR, Tortella FC (2007) Acute and delayed neuroinflammatory response following experimental penetrating ballistic brain injury in the rat. **J. Neuroinflam.** 4:17.

133. Xu W, Wong TP, Chery N, Gaertner T, Wang YT, Baudry M (2007) Calpain-mediated mGluR1α truncation: a key step in excitotoxicity. **Neuron** 53:399-412.

134. Adhami F, Liao GH, Morozov YM, Schloemer A, Schmithorst VJ, Lorenz JN, Dunn RS, Vorhees CV, Wills-Karp M, Degen JL, Davis RJ, Mizushima N, Rakic P, Dardzinski BJ, Holland SK, Sharp FR, Kuan CY (2006) Cerebral ischemia-hypoxia induces intravascular coagulation and autophagy. **Am. J. Pathol.** 169:566-83.

135. Cui L, Jeong H, Borovecki F, Parkhurst CN, Tanese N, Krainc D (2006) Transcriptional repression of PGC-1α by mutant huntingtin leads to mitochondrial dysfunction and neurodegeneration. **Cell** 127:59-69.

136. Dow G, Bauman R, Caridha D, Cabezas M, Du F, Gomez-Lobo R, Park M, Smith K, Cannard K (2006) Mefloquine induces dose-related neurological effects in a rat model. **Antimicrob. Agents Ch.** 50:1045-53.

137. Luo J, Lin AH, Masliah E, Wyss-Coray T (2006) Bioluminescence imaging of Smad signaling in living mice shows correlation with excitotoxic neurodegeneration. **Proc. Natl. Acad. Sci. USA** 103:18326-31.

138. Martin LJ, Pan Y, Price AC, Sterling W, Copeland NG, Jenkins NA, Price DL, Lee MK (2006) Parkinson's disease α-synuclein transgenic mice develop neuronal mitochondrial degeneration and cell death. **J. Neurosci.** 26:41-50.

139. Rao MS, Hattiangady B, Reddy DS, Shetty AK (2006) Hippocampal neurodegeneration, spontaneous seizures, and mossy fiber sprouting in the F344 rat model of temporal lobe epilepsy. **J. Neurosci. Res.** 83:1088-105.

140. Saydoff JA, Garcia RAG, Browne SE, Liu LS, Sheng J, Brenneman D, Hu Z, Cardin S, Gonzalez A, von Borstel RW, Gregorio J, Burr H, Flint Beal M (2006) Oral uridine pro-drug PN401 is neuroprotective in the R6/2 and N171-82Q mouse models of Huntington's disease. **Neurobiol**. **Dis.** 24:455-65.

141. Theodore S, Stolberg S, Cass WA, Maragos WF (2006) Human immunodeficiency virus-1 protein Tat and methamphetamine interactions. **Ann. N.Y. Acad. Sci**. 1074:178-90.

142. Williams AJ, Hartings JA, Lu XCM, Rolli ML, Tortella FC (2006) Penetrating ballistic-like brain injury in the rat: differential time courses of hemorrhage, cell death, inflammation, and remote degeneration. **J. Neurotrauma** 23:1828-46.

143. Yan X, Benson JM, Gomez AP, Baden DG, Murray TF (2006) Brevetoxin-induced neural insult in the retrosplenial cortex of mouse brain. **Inhal. Toxicol.** 18:1109-16.

144. Yazdani U, German DC, Liang C-L, Manzino L, Sonsalla PK, Zeevalk GD (2006) Rat model of Parkinson's disease: chronic central delivery of 1-methyl-4-phenylpyridinium (MPP+). **Exp. Neurol.** 200:172-83.

145. Zhang Y, Leavitt BR, van Raamsdonk JM, Dragatsis I, Goldowitz D, MacDonald ME, Hayden MR, Friedlander RM (2006) Huntingtin inhibits caspase-3 activation. **EMBO J.** 25:5896-906.

146. Liang ZQ, Wang XX, Wang Y, Chuang DM, DiFiglia M, Chase TN, Qin ZH (2005) Susceptibility of striatal neurons to excitotoxic injury correlates with basal levels of Bcl-2 and the induction of P53 and c-Myc immunoreactivity. **Neurobiol. Dis.** 20:562-73.

147. Williams AJ, Hartings JA, Lu XCM, Rolli ML, Dave JR, Tortella FC (2005) Characterization of a new rat model of penetrating ballistic brain injury. **J. Neurotrauma** 22:313-31.

148. Abdel-Rahman A, Abou-Donia SM, El-Masry EM, Shetty AK, Abou-Donia MB (2004) Stress and combined exposure to low doses of pyridostigmine bromide, deet, and permethrin produce neurochemical and neuropathological alterations in cerebral cortex, hippocampus, and cerebellum. **J. Toxicol. Env. Heal. A.** 67:163-92.

149. Lo Bianco C, Schneider BL, Bauer M, Sajadi A, Brice A, Iwatsubo T, Aebischer P (2004) Lentiviral vector delivery of parkin prevents dopaminergic degeneration in an α–synuclein rat model of Parkinson's disease. **Proc. Natl. Acad. Sci. USA** 101:17510-5.

150. Paschen W, Yatsiv I, Shoham S, Shohami E (2004) Brain trauma induces X-box protein 1 processing indicative of activation of the endoplasmic reticulum unfolded protein response. **J. Neurochem.** 88:983-92.

151. Shoham S, Youdim MBH (2004) Nutritional iron deprivation attenuates kainate-induced neurotoxicity in rats: implications for involvement of iron in neurodegerneration. **Ann. N.Y. Acad. Sci.** 1012:24-114.

152. Lauwers E, Debyser Z, Van Dorpe J, De Strooper B, Nuttin B, Baekelandt V (2003) Neuropathology and neurodegeneration in rodent brain induced by lentiviral vector-mediated overexpression of alpha-synuclein. **Brain Pathol.** 13:364-72.

153. Manning-Boğ AB, McCormack AL, Purisai MG, Bolin LM, Di Monte A (2003) α-synuclein overexpression protects against paraguat-induced neurodegeneration. **J. Neurosci.** 23:3095-9.

154. Sherer TB, Kim JH, Betarbet R, Greenamyre JT (2003) Subcutaneous rotenone exposure causes highly selective dopaminergic degeneration and α-synuclein aggregation. **Exp. Neurol.** 179:9-16.

155. Shoham S, Bejar C, Kovalev E, Weinstock M (2003) Intracerebroventricular injection of streptozotocin causes neurotoxicity to myelin that contributes to spatial memory deficits in rats. **Exp. Neurol.** 184: 1043-52.

156. Abdel-Rahman A, Shetty AK, Abou-Donia MB (2002) Disruption of the blood-brain barrier and neuronal cell death in cingulate cortex, dentate gyrus, thalamus, and hypothalamus in a rat model of gulf-war syndrome. **Neurobiol. Dis.** 10:306-26.

157. Bianco CL, Ridet JL, Schneider BL, Déglon N, Aebischer P (2002) α-synucleinopathy and selective dopaminergic neuron loss in a rat

lentiviral-based model of Parkinson's disease. **Proc. Natl. Acad. Sci. USA** 99:10813-8.

158. Ding Y, Yao B, Zhou Y, Park H, McAllister JP, Diaz FG (2002) Prereperfusion flushing of ischemic territory: a therapeutic study in which histological and behavioral assessments were used to measure ischemia-reperfusion injury in rats with stroke. **J. Neurosurg.** 96:310-9.

159. Gordon MN, Holcomb LA, Jantzen PT, DiCarlo G, Wilcock D, Boyett KW, Connor K, Melachrino J, O'Callaghan JP, Morgan D (2002) Time course of the development of Alzheimer-like pathology in the doubly transgenic PS1+APP mouse. **Exp. Neurol**. 173:183-95.

160. Guo-Ross SX, Clark S, Montoya DAC, Jones KH, Obernier J, Shetty AK, White AM, Blusztajn JK, Wilson WA, Swartzwelder HS (2002) Prenatal choline supplementation protects against postnatal neurotoxicity. **J. Neurosci.** 22:RC195:1-6.

161. McCormack AL, Thiruchelvam M, Manning-Bog AB, Thiffault C, Langston JW, Cory-Slechta DA, Di Monte DA (2002) Environmental risk factors and Parkinson's disease: selective degeneration of nigral dopaminergic neurons caused by the herbicide paraquat. **Neurobiol. Dis.** 10:119-27.

162. Montoliu C, Humet M, Canales J-J, Burda J, Planells-Cases R, Sánchez-Baeza F, Carbonell T, Pérez-Payá E, Messeguer A, Ferrer-Montiel A, Felipo V (2002) Prevention of in vivo excitotoxicity by a family of trialkylglycines, a novel class of neuroprotectants. **J. Pharmacol. Exp. Ther.** 301:29-36.

163. Tong W, Igarashi T, Ferriero DM, Noble LJ (2002) Traumatic brain injury in the immature mouse brain: characterization of regional vulnerability. **Exp. Neurol.** 176:105-16.

164. Ding Y, McAllister JP, Yao B, Yan N, Canady AI (2001) Axonal damage associated with enlargement of ventricles during hydrocephalus: a silver impregnation study. **Neurol. Res.** 23:581-7.

165. Ding Y, McAllister JP, Yao B, Yan N, Canady AI (2001) Neuron tolerance during hydrocephalus. **Neurosci.** 106:659-67.

166. Ding Y, Yao B, Lai Q, McAllister JP (2001) Impaired motor learning and diffuse axonal damage in motor and visual systems of the rat following traumatic brain injury. **Neurol. Res.** 23:193-202.

167. Freeman A, Ciliax B, Bakay R, Daley J, Miller RD, Keating G, Levey A, Rye D (2001) Nigrostriatal collaterals to thalamus degenerate in Parkinsonian animal models. **Ann. Neurol.** 50:321-9.

168. Liu ZP, Gastard M, Verina T, Bora S, Mouton PR, Koliatsos VE (2001) Estrogens modulate experimentally induced apoptosis of granule cells in the adult hippocampus. **J. Comp. Neurol**. 441:1-8.

169. Northington FJ, Ferriero DM, Graham EM, Traystman RJ, Martin LJ (2001) Early neurodegeneration after hypoxia-ischemia in neonatal rat is necrosis while delayed neuronal death is apoptosis. **Neurobiol. Dis**. 8:207-19.

170. Northington FJ, Ferriero DM, Martin LJ (2001) Neurodegeneration in the thalamus following neonatal hypoxia-ischemia is programmed cell death. **Dev. Neurosci.** 23:186-91.

171. Shoham S, Javitt DC, Heresco-Levy U (2001) Chronic high-dose glycine nutrition: effects on rat brain cell morphology. **Biol. Psychiat.** 49:876-85.

172. Zito MA, Koennecke LA, McAuliffe MJ, McNally B, van Rooijen N, Heyes MP (2001) Depletion of systemic macrophages by liposome-encapsulated clodronate attenuates striatal macrophage invasion and neurodegeneration following local endotoxin infusion in gerbils. **Brain Res.** 892:13-26.

173. Betarbet R, Sherer TB, MacKenzie G, Garcia-Osuna M, Panov AV, Greenamyre JT (2000) Chronic systemic pesticide exposure reproduces features of Parkinson's disease. **Nature Neurosci.** 3:1301-6.

174. Kuhlmann AC, Guilarte TR (2000) Cellular and subcellular localization of peripheral benzodiazepine receptors after trimethyltin neurotoxicity**. J. Neurochem.** 74:1694-704.

175. Sternfeld M, Shoham S, Klein O, Flores-Flores C, Evron T, Idelson GH, Kitsberg D, Patrick JW, Soreq H (2000) Excess "read-through" acetylcholinesterase attenuates but the "synaptic" variant intensifies neurodeterioration correlates. **Proc. Natl. Acad. Sci. USA** 97:8647-52.

176. Ahima RS, Bjorbaek C, Osei S, Flier JS (1999) Regulation of neuronal and glial proteins by leptin: implications for brain development. **Endocrinology** 140:2755-62.

177. Burns LH, Jin Z, Bowersox SS (1999) The neuroprotective effects of intrathecal administration of the selective N-type calcium channel blocker ziconotide in a rat model of spinal ischemia. **J. Vasc. Surg.** 30:334-43.

**Updated on October 2016**