



TIM LEKIC, M.D., PH.D.

P PH: 844-787-3286

E Injurytreatmentcenter909@gmail.com

A 15857 POMONA RINCON RD. CHINO HILLS, CA 91709

W Socalinjury.net

Board Certified

Neurology - Diplomate of the American Board of Psychiatry and Neurology

Board Eligible

Vascular Neurology (Fellowship completed 2017)

Neurovascular Ultrasound Interpretation (Coursework, cases completed 2018)

Neurocritical Care (ABPN practice track ongoing)

Post-Doctoral Training & Practice

10/2019 -Current	KC Tan MD Medical Corporation	Arcadia, California
04/2019-10/2019	DLP Conemaugh Physician Practices LLC	Johnston, Pennsylvania
07/2018-04/2019	Desert Neurology & Sleep Private Outpatient Practice	La Quinta, California
07/2017 -07/2018	Meadville Medical Center Hospital based Outpatient Practice	Meadville, Pennsylvania
12/2017 -05/2018	WellSpan Health -comprehensive stroke center Vascular NeurologisUNeurohospitalist	York, Pennsylvania
11/2017-04/2018	Alameda Health System -regional hospital Neurohospitalist-clinic mix	Oakland, California

07/2015-06/2017 Clinical Fellowship in New York, NY
Neurovascular Neurology
Columbia University,
Division of Cerebrovascular Diseases

Education

07/2011- 06/2015 Residency Loma Linda, CA
(including co-chief resident 2014-2015)
Loma Linda University, Department of Neurology

*07/2001 - 06/2011 Loma Linda University, Loma Linda, CA
School of Medicine, Physiology
MD, May 2011 *MDI PhD graduate studies combined with
medical school enrollment; PhD, May 2010 (thesis:
experimental models of brain hemorrhage using clostridial
col/agenase; sponsor: Prof. John H. Zhang)

09/1997 - 06/2001 Burman University B.Sc., biology May 2001 Alberta, Canada

Special Skills

- ◆ Basic research. Clinical trials
- ◆ Comprehensive stroke center
- ◆ EEG Interpretation
- ◆ Emergency Life Support certification
- ◆ Intensive care
- ◆ Legal Depositions
- ◆ Mobile stroke unit
- ◆ Neurohospitalist
- ◆ Sleep Medicine (not including polysomnogram)
- ◆ Rare causes of stroke: autoimmune, genetic, inflammatory, vasculitis
- ◆ Transcranial & Carotid Ultrasound Interpretation

Neurohospitalist (KC Tan Practice) Group Hospitals

- ▶▶ 10/2019- Current (1r1rcomprehensive stroke center; *acute stroke center)
- ▶ Alhambra Hospital Medical Center. 100 S Raymond Ave, Alhambra, CA 91801
- ▶ Anaheim Regional Medical Center. 1111 W La Palma Ave, Anaheim, CA 92801
- ▶ **Garfield Medical Center. 525 N Garfield Ave, Monterey Park, CA 91754
- ▶ Greater El Monte Community Hospital. 1701 Santa Anita Ave, South El Monte, CA 91733
- ▶ Methodist Hospital. 300 Huntington Dr, Arcadia, CA 91007 (10/2019~12/2021)
- ▶ Monterey Park Hospital. 900 S Atlantic Blvd, Monterey Park, CA 91754
- ▶ * Parkview Community Hospital Medical Center. 3865 Jackson St, Riverside, CA 92503
- ▶ San Gabriel Valley Medical Center. 438 W Las Tunas Dr, San Gabriel, CA 91776
- ▶ Whittier Hospital Medical Center. 9080 Colima Rd, Whittier, CA 90605

Stroke/Neurovascular Fellowship: New York Presbyterian/ Columbia Presbyterian Hospital, NYC, NY

- ▶▶ July 2015- June 2017
- ▶ Mobile stroke Unit
- ▶ TIA/ minor-stroke clinic: 24-hour rapid turnaround from emergency department (bypassing hospital admission)
- ▶ Resident teaching, mentoring, and staffing clinic
- ▶ Consultant to Neurohospitalists
- ▶ Regional highest-level referral center; disposition for level of admission; rapid outpatient follow-up, led leading team of academic residents, dedicated NP/PA, renown clinical faculty
- ▶ Vascular Consult Service. Complex decision making for antithrombotic therapy and stroke management in the setting of L VAD, PFO closure, mechanical heart valve, cardiac stent, perioperative, atrial fibrillation, coagulopathy (uncontrolled bleeding or clotting disorders), auto-immune, rare genetic, cardiac-aortic & peripheral vascular-related cerebrovascular disease, including rare hematological management and work-up

Imbedded Neurological ICU Training

- ▶▶ July- November 2015 Columbia University Medical Center, NY
- ▶ Dedicated clinical time as neuro-ICU fellow, plus overnight when on call managing cases (17 bed NICU; intensivist available by phone) neurosurgical and critically ill (including medical, surgical, CCU, overflow) patients, SAH, TB/, ICP, /CH, multimodal/ity monitoring, status epilepticus, meningoencephalitis, shock

Professional Memberships

Since 2003 -American Medical Association (AMA)
Since 2012 - American Academy of Neurology (AAN)
Since 2013 - American Heart Association (AHA): stroke council
Since 2016 - American College of Physicians (ACP) member ID: 3366318

Professional Certifications:

ENLS; FCVS; NIHSS; mRS; ACLS
NPI 1578855151. FIN 214848236
DEA FL6426084
DEA FL5708194
California A126265 - current
New York 284698-1 (exp 4/2018) -fellowship/expired Indiana 01076241A, B-csr (exp 10/2017)-locum/expired Pennsylvania MD458093 (exp 12/2017)-locum/expired North Dakota ND, temporary locum lie (exp) /expired

LOCUM-TENENS

- ▶▶ Jan 27 - Feb 03, 2017 Meadville medical center, PA
- ▶▶ Nov 07 - Jan 02, 2017 Trinity, Mayo Clinic Care Network, ND
- ▶▶ Nov 21-Nov 27, 2016. St Vincent, Allegheny Health Network, ND
- ▶▶ Oct 28-Oct 31, 2016. Pottstown memorial medical center, PA

▶ Inpatient consultant usually about one to two weeks at a time, 24/7 coverage including emergency room, intensive care units, co-managing cases with admitting primary care physicians, neurosurgeon, cardiologist, cardiovascular and vascular surgeons. There were about three weeks of clinic time seeing general neurological patients. As well as EEG interpretation.

- ▶▶ June 2016 -Aug 2016 Saint Catherine's, East Chicago Community Hospital, Muenster Indiana

▶ Neurologist, Inpatient-busy outpatient mix, locum. Private practice group. Nursing home, psychiatric, and rehabilitation hospital. Covered up to fifty cases in a given day. Included two mid-level provider supervision. Colleague: Samer Kassir (314-369-3953 or 219-836- 2096)

- ▶▶ Dec 2015 - Feb 2016 Floyd Memorial Hospital, IN

▶ Neurologist, Physician Staff, Locum. Critically-ill patients, complex post cardiac surgery, accepted outside hospital neurology transfers, acute stroke, tPA, outside endovascular thrombectomy transfer. SupeNisor: Jake Archibald (ph: 502-645-6385 ce/Q Colleague: Ajmal Bangash (ph: 502-494-5595 ce/Q

LEADERSHIP

- ▶ (07/2015-06/2016) Voting Member of CUMC House staff Quality Council, Columbia University
- ▶ (09/27 /14- 09/30/14) Chair of Hemorrhage GMH & Ischemia Basic Science section(s) at the 16th International Conference on Brain Edema and Cellular Injury & 3rd Symposium on Preconditioning for Neurological Disorders
- ▶ (07/2013-06/2014) Member, Resident GME Advisory Council, Loma Linda University, Loma Linda, CA
- ▶ (07/2010-06/2015) Instructor (during residency) Physiology Division, Loma Linda University, CA
- ▶ (06/2012 -09/2012) Graduate Student Trainees - Maurice Hardy & Jeeyoon Jung, (summer research scholarships sponsored by Walter E. Macpherson Society)
- ▶ (05/2009-05/2014) Ph.D. Defense Committee: William B. Rolland, defended on 05/07/14, Physiology

HONORS. 2007 - Julian T. Hoff, Neurosurgical Research Fellowship, 2nd International ICH Conference 1999 - William McCluskey Science Award, Biology Department, Canadian University College

Editorial Boards.

Since 2011 -Frontiers in Neurology (Review Editor, Endovascular and Interventional Neurology section)

Since 2013 -BMC Neurology (Associate Editor, Cerebrovascular Disease & Stroke section)

Patent: WO2015184380A 1. Snake Venom Conditioning for Reduction of Hemorrhage (Role: Inventor)

Academic Interest: Exploration of fundamental biological processes and neurological mechanisms of disease, studied through translational pre-clinical modeling approaches. The goal is prevention and lessening of disabilities attributed to neurological diseases.

Publications, peer-reviewed

72. Johnston SC, Easton JD, Farrant M, Barsan W, Conwit RA, Elm JJ, Kim AS, Lindblad AS, Palesch YY; Clinical Research Collaboration, Neurological Emergencies Treatment Trials Network, and the POINT Investigators. Clopidogrel and Aspirin in Acute Ischemic Stroke and High-Risk TIA. *N Engl J Med.* 2018 Jul 19;379(3):215-225.

71. Kummer BR, Lerario MP, Navi BB, Ganzman AC, Ribaud D, Mir SA, Pishanidar S, Lekic T, Williams O, Kamel H, Marshall RS, Hripcsak G, Elkind MSV, Fink ME. Clinical Information Systems Integration in New York City's First Mobile Stroke Unit. *Appl Clin Inform.* 2018 Jan;9(1):89-98.

70. Letter re: Risks and benefits of clopidogrel-aspirin in minor stroke or TIA: Time course analysis of CHANCE.

Gutierrez J, Lekic T. *NEUROLOGY.* 2017 Nov 14;89(20):2121.

69. Krafft PR, McBride D, Rolland WB, Lekic T, Flores JJ, Zhang JH. $\alpha 7$ Nicotinic Acetylcholine Receptor Stimulation Attenuates Neuroinflammation through JAK2-STAT3 Activation in Murine Models of Intracerebral Hemorrhage. *Biomed Res Int.* 2017;2017:8134653.

68 McBride DW, Nowrangi D, Kaur H, Wu G, Huang L, Lekic T, Tang J, Zhang JH. A composite neurobehavioral test to evaluate acute functional deficits after cerebellar haemorrhage in rats. *J Cereb Blood Flow Metab.* 2018 Mar;38(3):433-446.

67. Kim CH, McBride DW, Sherchan P, Person CE, Gren ECK, Kelln W, Lekic T, Hayes WK, Tang J, Zhang JH. Crotalus helleri venom preconditioning reduces postoperative cerebral edema and improves neurological outcomes after surgical brain injury. *Neurobiol Dis.* 2017 Nov;107:66-72

66. Klebe D, Flores JJ, McBride DW, Krafft PR, Rolland WB, Lekic T, Zhang JH. Dabigatran ameliorates post-haemorrhagic hydrocephalus development after germinal matrix haemorrhage in neonatal rat pups. *J Cereb Blood Flow Metab.* 2017 Sep;37(9):3135-3149.

65. Kim CH, McBride DW, Raval R, Sherchan P, Hay KL, Gren EC, Kelln W, Lekic T, Hayes WK, Bull BS, Applegate R, Tang J, Zhang JH. Crotalus atrox venom preconditioning increases plasma fibrinogen and reduces perioperative hemorrhage in a rat model of surgical brain injury. *Sci Rep., NATURE* 2017 Jan 19;7:40821.

64. Rolland WB, Krafft PR, Lekic T, Klebe D, LeGrand J, Weldon AJ, Xu L, Zhang JH. Fingolimod Confers Neuroprotection through Activation of Rac1 after Experimental Germinal Matrix Hemorrhage in Rat Pups. *J Neurochem.* 2017 Jan 5.

63. Le/de T, Klebe DW, Pichon P, Brankov K, Sultan S, McBride DW, Easel D, Al-Bayati A, Ding Y, Tang J, Zhang JH. Aligning animal models of clinical germinal matrix hemorrhage, from basic correlation to therapeutic approach. *Curr Drug Targets*. 2016 Jun 14.
62. Flores JJ, Klebe D, Rolland WB, Lekic T, Krafft PR, Zhang JH. PPAR γ -induced upregulation of CD36 enhances hematoma resolution and attenuates long-term neurological deficits after germinal matrix hemorrhage in neonatal rats. *Neurobiol Dis*. 2016 Mar;87:124-33.
61. Dixon B, Malaguit J, Easel D, Doycheva D, Tang J, Zhang JH, Lekic T. Osteopontin-Rac1 on Blood-Brain Barrier Stability Following Rodent Neonatal Hypoxia-Ischemia. *Acta Neurochir Suppl*. 2016;121:263-7.
60. Malaguit J, Easel D, Dixon B, Doycheva D, Tang J, Zhang JH, Lekic T. Intranasal Osteopontin for Rodent Germinal Matrix Hemorrhage. *Acta Neurochir Suppl*. 2016;121 :217-20.
59. Lekic T, Krafft PR, Klebe D, Flores J, Rolland WB, Tang J, Zhang JH. PAR-1, -4, and the mTOR Pathway Following Germinal Matrix Hemorrhage. *Acta Neurochir Suppl*. 2016;121 :213-6.
58. Lekic T, Flores J, Klebe D, Doycheva D, Rolland WB, Tang J, Zhang JH. Intranasal IGF-1 Reduced Rat Pup Germinal Matrix Hemorrhage. *Acta Neurochir Suppl*. 2016;121 :209-12.
57. Lekic T, Krafft PR, Klebe D, Rolland WB, Flores J, Tang J, Zhang JH. Cyclooxygenase-2 Inhibition Provides Lasting Protection Following Germinal Matrix Hemorrhage in Premature Infant Rats. *Acta Neurochir Suppl*. 2016;121:203-7.
56. McBride DW, Jacob C, Doycheva D, Dixon BJ, Malaguit J, Lekic T, Tang J, Zhang JH. Changes in Brain Swelling and Infarction Volume over Four Days After Hypoxia Ischemia in Neonatal Rats. *Acta Neurochir Suppl*. 2016;121 :111-4.
55. Lekic T, Hardy M, Fujii M, McBride DW, Zhang JH. Brain Volume Determination in Subarachnoid Hemorrhage Using Rats. *Acta Neurochir Suppl*. 2016;121:99-102.
54. Leldec T, Klebe D, Flores J, Peters R, Rolland WB, Tang J, Zhang JH. Remote Ischemic Postconditioning (RIPC) After GMH in Rodents. *Acta Neurochir Suppl*. 2016;121 :63-7.
53. Lekic T, Zhang JH. Exsanguination Postconditioning of ICH (EPIC-H) Using the Lancet for Brain Bleed in Rodents, Preliminary Study. *Acta Neurochir Suppl*. 2016;121 :49-53.
52. Lekic T, Klebe D, McBride DW, Manaenko A, Rolland WB, Flores JJ, Allay O, Tang J, Zhang JH. Protease-activated receptor 1 and 4 signal inhibition reduces preterm neonatal hemorrhagic brain injury. *Stroke*. 2015 Jun;46(6):1710-3.
51. Lekic T, Klebe D, Poblete R, Krafft PR, Rolland WB, Tang J, Zhang JH. Neonatal brain hemorrhage (NBH) of prematurity: translational mechanisms of the vascular-neural network. *Curr Med Chem*. 2015;22(10):1214-38.
50. Zhan Y, Krafft PR, Lekic T, Ma Q, Souvenir R, Zhang JH, Tang J. Imatinib preserves blood-brain barrier integrity following experimental subarachnoid hemorrhage in rats. *J Neurosci Res*. 2015 Jan;93(1):94-103.
49. Klebe D, Krafft PR, Hoffmann C, Lekic T, Flores JJ, Rolland W, Zhang JH. Acute and delayed deferoxamine treatment attenuates long-term sequelae after germinal matrix hemorrhage in neonatal rats. *Stroke*. 2014 Aug;45(8):2475-9.

48. Krafft PR, McBride DW, Lekic T, Rolland WB, Mansell CE, Ma Q, Tang J, Zhang JH; Correlation between subacute sensorimotor deficits and brain edema in two mouse models of intracerebral hemorrhage; *Behav. Brain Res.*; 2014;264;151-60
47. Flores JJ, Zhang Y, Klebe DW, Lekic T, Fu W, Zhang JH; Small molecule inhibitors in the treatment of cerebral ischemia; *Expert Opin. Pharmacother.*; 2014;15(5);659-80
46. Manaenko A, Lekic T, Barnhart M, Hartman R, Zhang JH; Inhibition of transforming growth factor- β attenuates brain injury and neurological deficits in a rat model of germinal matrix hemorrhage; *Stroke*; 2014;45(3);828-34
45. Leitzke AS, Rolland WB, Krafft PR, Lekic T, Klebe D, Flores JJ, Van Allen NR, Applegate RL 2nd, Zhang JH; Isoflurane Post-Treatment Ameliorates GMH-Induced Brain Injury in Neonatal Rats; *Stroke*; 2013;44(12);3587-90
44. Lekic T, Rolland W, Krafft PR, Suzuki H, Tang J, Zhang JH, Kamper JE, Hartman RE; Pontine hemorrhage. Response; *J. Neurosurg.*; 2013;118(5);1152-3
43. Manaenko A, Lekic T, Ma Q, Zhang JH, Tang J; Hydrogen inhalation ameliorated mast cell-mediated brain injury after intracerebral hemorrhage in mice; *Crit. Care Med.*; 2013;41(5);1266-75
42. Fathali N, Ostrowski RP, Hasegawa Y, Lekic T, Tang J, Zhang JH; Splenic Immune Cells In Experimental Neonatal Hypoxia-Ischemia; *Transl. Stroke Res.*; 2013;4(2);208-19
41. Rolland WB, Lekic T, Krafft PR, Hasegawa Y, Allay O, Hartman R, Ostrowski R, Manaenko A, Tang J, Zhang JH; Fingolimod reduces cerebral lymphocyte infiltration in experimental models of rodent intracerebral hemorrhage; *Exp. Neurol.*; 2013;241 ;45-55
40. Lekic T, Rolland W, Manaenko A, Krafft PR, Kamper JE, Suzuki H, Hartman RE, Tang J, Zhang JH; Evaluation of the hematoma consequences, neurobehavioral profiles, and histopathology in a rat model of pontine hemorrhage; *J. Neurosurg.*; 2013;118(2);465-77
39. Krafft PR, Rolland WB, Duris K, Lekic T, Campbell A, Tang J, Zhang JH; Modeling intracerebral hemorrhage in mice: injection of autologous blood or bacterial collagenase; *J. Vis. Exp.*; 2012;67;e4289
38. Krafft PR, Bailey EL, Lekic T, Rolland WB, Allay O, Tang J, Wardlaw JM, Zhang JH, Sudlow CL; Etiology of stroke and choice of models; *Int. J. Stroke*; 2012;7(5);398-406
37. Lekic T, Ani C; Posterior circulation stroke: animal models and mechanism of disease; *J. Biomed. Biotechnol.*; 2012;01 ;587-90
36. Lekic T, Manaenko A, Rolland W, Krafft PR, Peters R, Hartman RE, Allay O, Tang J, Zhang JH; Rodent neonatal germinal matrix hemorrhage mimics the human brain injury, neurological consequences, and posthemorrhagic hydrocephalus; *Exp. Neurol.*; 2012;236(1);69-78
35. Huang B, Krafft PR, Ma Q, Rolland WB, Caner B, Lekic T, Manaenko A, Le M, Tang J, Zhang JH; Fibroblast growth factors preserve blood-brain barrier integrity through RhoA inhibition after intracerebral hemorrhage in mice; *Neurobiol. Dis.*; 2012;46(1);204-14
34. Krafft PR, Allay O, Rolland WB, Duris K, Lekic T, Tang J, Zhang JH; $\alpha 7$ nicotinic acetylcholine receptor agonism confers neuroprotection through GSK-3 β inhibition in a mouse model of intracerebral hemorrhage; *Stroke*; 2012;43(3);844-50
33. Sherchan P, Lekic T, Suzuki H, Hasegawa Y, Rolland W, Duris K, Zhan Y, Tang J, Zhang JH; Minocycline improves functional outcomes, memory deficits, and histopathology after endovascular perforation-induced subarachnoid hemorrhage in rats; *J. Neurotrauma*; 2011 ;28(12);2503-12

32. Lekic T, Manaenko A, Rolland W, Ostrowski RP, Virbel K, Tang J, Zhang JH; Beneficial effect of hyperbaric oxygenation after neonatal germinal matrix hemorrhage; *Acta Neurochir. Suppl.*; 2011 ;111 ;253-7
31. Lekic T, Manaenko A, Rolland W, Fathali N, Peterson M, Tang J, Zhang JH; Protective effect of hydrogen gas therapy after germinal matrix hemorrhage in neonatal rats; *Acta Neurochir. Suppl.*; 2011 ;111 ;237-41
30. Rolland WB 2nd, Manaenko A, Lekic T, Hasegawa Y, Ostrowski R, Tang J, Zhang JH; FTY720 is neuroprotective and improves functional outcomes after intracerebral hemorrhage in mice; *Acta Neurochir. Suppl.*; 2011;111 ;213-7
29. Lekic T, Manaenko A, Rolland W, Virbel K, Hartman R, Tang J, Zhang JH; Neuroprotection by melatonin after germinal matrix hemorrhage in neonatal rats; *Acta Neurochir. Suppl.*; 2011 ;111 ;201-6
28. Manaenko A, Fathali N, Khatibi NH, Lekic T, Shum KJ, Martin R, Zhang JH, Tang J; Post-treatment with SR49059 improves outcomes following an intracerebral hemorrhagic stroke in mice; *Acta Neurochir. Suppl.*; 2011 ;111 ;191-6
27. Manaenko A, Lekic T, Ma Q, Ostrowski RP, Zhang JH, Tang J; Hydrogen inhalation is neuroprotective and improves functional outcomes in mice after intracerebral hemorrhage; *Acta Neurochir. Suppl.*; 2011 ;111 ;179-83
26. Manaenko A, Fathali N, Williams S, Lekic T, Zhang JH, Tang J; Geldanamycin reduced brain injury in mouse model of intracerebral hemorrhage; *Acta Neurochir. Suppl.*; 2011 ;111 ;161-5
25. Manaenko A, Lekic T, Zhang JH, Tang J; NC1900, an arginine vasopressin analogue, fails to reduce brain edema and improve neurobehavioral deficits in an intracerebral hemorrhagic stroke mice model; *Acta Neurochir. Suppl.*; 2011 ;111 ;155-9
24. Lekic T, Manaenko A, Rolland W, Tang J, Zhang JH; A novel preclinical model of germinal matrix hemorrhage using neonatal rats; *Acta Neurochir. Suppl.*; 2011 ;111 ;55-60
23. Lekic T, Ostrowski RP, Suzuki H, Manaenko A, Rolland W, Fathali N, Tang J, Zhang JH; The postpartum period of pregnancy worsens brain injury and functional outcome after cerebellar hemorrhage in rats; *Acta Neurochir. Suppl.*; 2011 ;111 ;37-41
22. Souvenir R, Fathali N, Ostrowski RP, Lekic T, Zhang JH, Tang J; Tissue inhibitor of matrix metalloproteinase1 mediates erythropoietin-induced neuroprotection in hypoxia ischemia; *Neurobiol. Dis.*; 2011 ;44(1);28-37
21. Lekic T, Krafft PR, Coats JS, Obenaus A, Tang J, Zhang JH; Infratentorial Strokes for Posterior Circulation Folks: Clinical Correlations for Current Translational Therapeutics; *Transl. Stroke Res.*; 2011 ;2(2);144-151
20. Manaenko A, Fathali N, Khatibi NH, Lekic T, Hasegawa Y, Martin R, Tang J, Zhang JH; Arginine-vasopressin V1a receptor inhibition improves neurologic outcomes following an intracerebral hemorrhagic brain injury; *Neurochem. Int.*; 2011 ;58(4);542-8
19. Zhou Y, Fathali N, Lekic T, Ostrowski RP, Chen C, Martin RD, Tang J, Zhang JH; Remote limb ischemic postconditioning protects against neonatal hypoxic-ischemic brain injury in rat pups by the opioid receptor/Aki pathway; *Stroke*; 2011 ;42(2);439-44
18. Lekic T, Rolland W, Hartman R, Kamper J, Suzuki H, Tang J, Zhang JH; Characterization of the brain injury, neurobehavioral profiles, and histopathology in a rat model of cerebellar hemorrhage; *Exp. Neural.*; 2011 ;227(1);96-103
17. Zhou Y, Lekic T, Fathali N, Ostrowski RP, Martin RD, Tang J, Zhang JH; Isoflurane posttreatment reduces neonatal hypoxic-ischemic brain injury in rats by the

- sphingosine-1-phosphate/phosphatidylinositol-3-kinase/Akt pathway; *Stroke*; 2010;41(7);1521-7
16. Fathali N, Lekic T, Zhang JH, Tang J; Long-term evaluation of granulocyte-colony stimulating factor on hypoxic-ischemic brain damage in infant rats; *Intensive Care Med.*; 2010;36(9);1602-8
 15. Lekic T, Hartman R, Rojas H, Manaenko A, Chen W, Ayer R, Tang J, Zhang JH; Protective effect of melatonin upon neuropathology, striatal function, and memory ability after intracerebral hemorrhage in rats; *J. Neurotrauma*; 2010;27(3);627-37
 14. Fathali N, Ostrowski RP, Lekic T, Jadhav V, Tong W, Tang J, Zhang JH; Cyclooxygenase-2 inhibition provides lasting protection against neonatal hypoxic-ischemic brain injury; *Crit Care Med.*; 2010;38(2);572-8
 13. Hartman R, Lekic T, Rojas H, Tang J, Zhang JH; Assessing functional outcomes following intracerebral hemorrhage in rats; *Brain Res.*; 2009;1280;148-57
 12. Zhou Y, Fathali N, Lekic T, Tang J, Zhang JH; Glibenclamide improves neurological function in neonatal hypoxia-ischemia in rats; *Brain Res.*; 2009;1270;131-9
 11. Manaenko A, Lekic T, Sozen T, Tsuchiyama R, Zhang JH, Tang J; Effect of gap junction inhibition on intracerebral hemorrhage-induced brain injury in mice; *Neurol. Res.*; 2009;31(2);173-8
 10. Lekic T, Tang J, Zhang JH; A rat model of pontine hemorrhage; *Acta Neurochir. Suppl.*; 2008;105;135-7
 9. Lekic T, Tang J, Zhang JH; Rat model of intracerebellar hemorrhage; *Acta Neurochir. Suppl.*; 2008;105;1314
 8. Hartman RE, Rojas HA, Lekic T, Ayer R, Lee S, Jadhav V, Titova E, Tang J, Zhang JH; Long-term effects of melatonin after intracerebral hemorrhage in rats; *Acta Neurochir. Suppl.*; 2008;105;99-100
 7. Rojas H, Lekic T, Chen W, Jadhav V, Titova E, Martin RD, Tang J, Zhang J; The antioxidant effects of melatonin after intracerebral hemorrhage in rats; *Acta Neurochir. Suppl.*; 2008;105;19-21
 6. Lee S, Jadhav V, Ayer RE, Rojas H, Hyong A, Lekic T, Tang J, Zhang JH; Dual effects of melatonin on oxidative stress after surgical brain injury in rats; *J. Pineal Res.*; 2009;46(1);43-8
 5. Lee S, Stier G, Marcantonio S, Lekic T, Allard M, Martin R, Zhang J; 3% hypertonic saline following subarachnoid hemorrhage in rats; *Acta Neurochir. Suppl.*; 2008;102;405-8
 4. Lee S, Jadhav V, Lekic T, Hyong A, Allard M, Stier G, Martin R, Zhang J; Simvastatin treatment in surgically induced brain injury in rats; *Acta Neurochir. Suppl.*; 2008;102;401-4
 3. Lee S, Jadhav V, Ayer R, Rojas H, Hyong A, Lekic T, Stier G, Martin R, Zhang JH; The antioxidant effects of melatonin in surgical brain injury in rats; *Acta Neurochir. Suppl.*; 2008;102;367-71
 2. Lekic T, Zhang JH; Posterior circulation stroke and animal models; *Front. Biosci.*; 2008;13;182744
 1. Sood SM, Lekic T, Jhawar H, Farrell HM Jr, Slattery CW; Reconstituted micelle formation using reduced, carboxymethylated bovine kappa-casein and human beta-casein; *Protein J.*; 2006;25(5);352-60

Research Support

13CRP17380009 (primary investigator) 07/01/13-06/30/15

American Heart Association

Harnessing Brain Injury. The major objective of this animal study is the investigation of protective neurovascular mechanisms following hypoxia-ischemia.

Role:(PI)

NCT02433314 (investigator) 03/08/16-01/05/17

SAGE-547 Treatment as Adjunctive Therapy Utilized in Status Epilepticus (STATUS), Open Label, Phase 3, Expanded Access Protocol to Evaluate the Efficacy and Safety of SAGE-547 Injection in the Treatment of Subjects with Super-Refractory Status Epilepticus

NCT02175225 (research fellow) 02/26/16 -02/23/17

Intracerebral Hemorrhage Deferoxamine (iDEF), Multicenter, Randomized, Double-blind, Placebo-controlled, Phase 2, study of iron chelator deferoxamine mesylate as a therapeutic intervention for intracerebral hemorrhage

NCT01763606 (investigator) 02/28/16-01/19/17

Phase 1/11 Pilot Trial of Enoxaparin versus Aspirin in Patients with Cancer and Stroke (TEACH)

NCT02222714 (investigator) 09/17/15-05/27/16

Biotech, Multi-center, Phase 2 Study Using a Continual Reassessment Method to Determine the Safety and Tolerability of 3K3A-APC, a Recombinant Variant of Human APC, in Combination with IPA, Mechanical Thrombectomy or Both in Moderate to Severe Acute Ischemic Stroke (RHAPSODY)

NCT02072226 (investigator) 01/21/16-01/19/17

Genentech, Phase IIIB, Double-Blind, Multicenter Study to Evaluate the Efficacy and Safety of Alteplase in Patients with Mild Stroke: Rapidly Improving Symptoms and Neurologic Deficits (PRISMS)

NCT01586910 (investigator) 03/07/16-ongoing

Medtronic Cardiovascular, Safety and Efficacy Study of the Medtronic CoreValve® System in the Treatment of Severe, Symptomatic Aortic Stenosis in Intermediate Risk Subjects Who Need Aortic Valve Replacement (SURTAVI)

NCT00991029 (research fellow) 11/18/15-05/12/16

University of California, San Francisco, Phase 3, prospective, randomized, double-blind, multicenter Platelet-Oriented Inhibition in New TIA and Minor Ischemic Stroke (POINT) Trial