

CURRICULUM VITAE

NAME: **John B. Schweitzer**

PLACE OF BIRTH: St. Louis, Missouri

MARITAL STATUS: Married, three children

CITIZENSHIP: U.S.A.

HOME ADDRESS: 311 Scenic Oak Drive
Johnson City, TN 37615

EDUCATION

Undergraduate: Bachelor of Science in Electrical Engineering, May 1974, Washington University, St. Louis, Missouri

Graduate: Doctor of Medicine, May 1978, Washington University School of Medicine, St. Louis, Missouri

Postgraduate training:

1978-1981 Resident in Anatomic Pathology, Washington Univ. School of Medicine, Barnes Hospital, and St. Louis Children's Hospital

1981-1983 Postdoctoral fellow in Pharmacology, Washington Univ. School of Medicine and NINCDS postdoctoral fellow

1983-1985 Neuropathology Fellow Washington Univ. School of Medicine, Barnes Hospital, and St. Louis Children's Hospital

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HONORS AND AWARDS

Graduation with final honors, 1974
Elected to membership in AOA, 1978
NINCDS Postdoctoral fellow, 1982
Clinical Investigator Development Award, NINCDS, 1987
Neurosurgical resident education award, 1990
Member of Pluto Club (honorary pathology research society), 1994
Neurosurgical resident education award, 1995

PERMANENT MEDICAL LICENSE

State of Tennessee MD-16660

PROFESSIONAL SOCIETIES

American Association of Neuropathologists
College of American Pathologists

SPECIALTY CERTIFICATION

Diplomate of the American Board of Pathology in
Anatomic and Neuropathology, May 31, 1985

ACADEMIC APPOINTMENTS

1985-1987	Assistant Professor, Department of Pathology, University of Tennessee, Memphis
1987-1991	Assistant Professor, Department of Pathology and Department of Anatomy and Neurobiology, University of Tennessee, Memphis
1989-1999	Appointed to the faculty of the College of Graduate Health Sciences, Department of Anatomy and Neurobiology, University of Tennessee, Memphis
1990-1999	Appointed to the faculty of the College of Graduate Health Sciences, Department of Pathology, University of Tennessee, Memphis
1991-1997	Associate Professor, Department of Pathology and Department of Anatomy and Neurobiology, University of Tennessee, Memphis
1994-1999	Vice Chairman, Department of Pathology, University of Tennessee, Memphis
1995-1999	Director of the Residency Program, Department of Pathology, University of Tennessee, Memphis
1997-1999	Professor, Department of Pathology, University of Tennessee, Memphis

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ACADEMIC APPOINTMENTS (continued)

1999-present	Professor and Chair, Department of Pathology, James H. Quillen College of Medicine, East Tennessee State University
1999-2005	Director of the Residency Program, Department of Pathology, James H. Quillen College of Medicine, East Tennessee State University
2000-present	Appointed to the faculty of the College of Graduate Health Sciences, East Tennessee State University
2006-present	Associate Director of Residency Program, Department of Pathology, James H. Quillen College of Medicine, East Tennessee State University
2007-present	Assistant Dean for Graduate Medical Education
2011-2012	Interim Designated Institutional Official (September 1, 2011 to May 1, 2012)

OTHER ACADEMIC ACTIVITIES:

University of Tennessee, Memphis:

Participant in the teaching of medical school Pathology, including:

- 1) Organizer of Endocrine/Special Senses module and lecturer in that module since 1986
- 2) Lecturer in Neuropathology module since 1986
- 3) Introduction to Pathology lectures 1990 to 1994
- 4) Preceptor, M-2 Pathology students opting for individualized study programs, 1987-1988 course
- 5) Organizer and lecturer, graduate course in Cellular and Molecular Pathology, Alzheimer's disease section, 1992-1999
- 6) Lecturer, graduate course in Signal Transduction, 1992-1999.

Lecturer, Neuroanatomy course, College of Allied Health Sciences, 1987-1989

Interim director of Residency Training Program, University of Tennessee, Memphis, Department of Pathology, November 15, 1986 to July 1, 1987

Invited speaker, Neuroscience Center of Excellence, March 10, 1987

Invited speaker, Neuroscience Center of Excellence, January 15, 1991

East Tennessee State University:

Member, Committee for Integration of Neuroscience Curriculum and lecturer in resultant Neuroscience course, Fall 2002 to present

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OTHER ACADEMIC ACTIVITIES (continued)

Participant in the teaching of medical school Pathology, including:

Introduction to Pathology lectures 1999

Neuropathology lectures 1999 –present

Invited Speaker, Internal Medicine Seminar Series, May 1990

Participant in the teaching of graduate biomedical science, including:

A chapter in the Biomedical Science core course, 2001-2004

Neuropharmacology (Alzheimer's disease) 2001 & 2010

Completed GME Leadership Development Course, 2008-2009

EDITORIAL BOARD

Journal of Neuropathology and Experimental Neurology, (July 1, 2003 to present)

Abstract Review Board, United States and Canadian Academy of Pathology (2006 to 2008)

AD HOC REVIEWER

National Institutes of Health, Pathology A Study Section

National Science Foundation

Diabetes Research and Training Center, Dept of Physiology, University of Michigan Medical Center

Journal of Biological Chemistry

Journal of Neurotrauma

European Journal of Neuroscience

Neuroscience

Neurobiology of Aging

Experimental Neurology

Growth Factors

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COMMITTEES

University of Tennessee, Memphis

Member, Organizing Committee, symposium on "The Role of Neurotoxins in Neurodegenerative Disorders," sponsored by The Center for Neuroscience, College of Medicine, May 19, 1989

Member, Organizing Committee, symposium on "1990-2000: A Decade of Promise for Understanding Brain Function and Treating Neurological Diseases", sponsored by The Center for Neuroscience, College of Medicine, May 11, 1990

Member, Organizing Committee, symposium on "Learning and Memory: Cellular Mechanisms, Memory Disorders, and Drug Therapy", sponsored by The Center for Neuroscience, College of Medicine, held May 17, 1991

1989-1990	Organizing Committee of the Ph.D. program in Cell and Molecular Pathology, Department of Pathology
1989-1999	Faculty Search Committee, Department of Pathology
1990-1999	Member, Ph.D. committees of Adam Book, C.J. Jeon, H. Kuo, H. Fillmore, Lei Zhang, Quan Chen, Eric Laywell, Monte Gates, L. Brannon Thomas, (graduate students in the Department of Anatomy and Neurobiology) and Xian Mo (Department of Pathology) Member, Master's degree committees of Michael Naimark and Dale Sullivan (Department of Anatomy and Neurobiology)

East Tennessee State University

1999	Committee to Create Integrated Neuroscience Course
1999 - present	Member, Graduate Medical Education Committee Member, Clinical Chairs Committee Member, Board of Directors, Medical Assistance and Education Corporation (MEAC) Member, Administration and Budget Committee, Medical Assistance and Education Corporation
2003-2006	Member, Ph.D. committee of Tammy Ozment-Skelton
2004	Chair of the Search Committee to identify a Chair of Pharmacology
2006	Member, Search Committee for Dean, College of Medicine
2007	Member, Search Committee for Chair, Department of Internal Medicine
2012 – present	Member, CME Advisory Board
2013 – present	Member, CME Advisory Board Review Subcommittee
2013 – 2014	Chair of the Search Committee to identify a Chair of Pediatrics
2014-present	Compensation sub-committee of board of directors, MEAC

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INVITED PAPERS, REVIEWS

Schweitzer, J.B., Dohan, F.C., Jr.: Diffuse axonal injury: Windows for therapeutic intervention allowed by its pathobiology, Virchows Arch A 423:153-156,(1993).

Herron, P., Zhicheng, L., Schweitzer, J.B.: Effects of cholinergic depletion on evoked activity in the cortex of young and aged rats. "Basal Forebrain Cholinergic Dysfunction-Experimental Approaches and the Diseased Brain (special issue). Int'l. J. Develop. Neurosci. 16:633-43, 1998.

Kelley J, Ozment T, Li C, Schweitzer J, Williams D Scavenger Receptor-A (CD204): A Two-Edged Sword in Health and Disease, Critical Reviews in Immunology, 34(3):241–261 (2014)
PMID: 24941076

PUBLICATIONS

1. Cicero, T.J., Bell, R.D., Meyer, E.R., and Schweitzer, J.B.: Narcotics and the hypothalamic-pituitary-gonadal axis: Acute effects on luteinizing hormone, testosterone and androgen dependent systems, J. Pharmacol. Exp. Therap., 201:76-83 (1977).
2. Schweitzer, J.B., Smith, R.M., and Jarett, L.: Differences in the organizational structure of insulin receptors on rat adipocyte and liver plasma membranes: Role of disulfide bonds, Proc. Natl. Acad. Sci. U.S.A., 77:4692-4696 (1980).
3. Jarett, L., Schweitzer, J.B., and Smith, R.: Insulin receptors: Differences in structural organization on adipocyte and liver plasma membranes, Science, 210:1127-1128 (1980)
4. Gorin, F.A., Balasubramian, T.M., Cicero, T.J., Schweitzer, J.B., and Marshall, G.R.: Novel analogues of enkephalin: Identification and functional groups required for biological activity, J. Med. Chem., 23:1113-1122 (1980).
5. Distefano, P.S., Schweitzer, J.B., Taniuchi, M., and Johnson, E.M., Jr.: Selective destruction of nerve growth factor receptor-bearing cells in vitro using a hybrid toxin composed of ricin A chain and a monoclonal antibody against the nerve growth factor receptor, J. Cell Biol., 101:1107-1114 (1985).
6. Taniuchi, M., Schweitzer, J.B., and Johnson, E.M., Jr.: Nerve growth factor receptor molecules in rat brain, Proc. Natl. Acad. Sci. U.S.A., 83:1950-1954 (1986).
7. Schweitzer, J.B.: Nerve growth factor receptor-mediated transport from cerebrospinal fluid to basal forebrain neurons, Brain Res., 423:309-317 (1987).
8. Taniuchi, M., Clark, H.B., Schweitzer, J.B., and Johnson, E.M., Jr.: Expression of nerve growth factor receptors by Schwann cells of axotomized peripheral nerves ultra-structural location, suppression by axonal contact, and binding properties, J. Neurosci., 8:664-681 (1988).

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9. Schweitzer, J.B.: Nerve growth factor receptor-mediated transport from CSF labels cholinergic neurons: direct demonstration by a double-labelling study, Brain Res., 490:390-396 (1989).
10. Fedinec, A. A., Schweitzer, J. B., Lazarovici, P., Yavin, E., and Bizzini, B.: Two tetanus toxins with different affinities for polysialogangliosides: 2. Retrograde transport in sciatic nerves to the spinal cord, in Nistico, G., Bizzini, B., Bytchenko, B., and Triau, R. (eds.): Eighth International Conference on Tetanus, Pythagora Press Rome - Milan, 1989.
11. Ferguson, I.A., Schweitzer, J.B. and Johnson, E.M., Jr.: Basic fibroblast growth factor: Receptor-mediated internalization, metabolism, and anterograde axonal transport in retinal ganglion cells, J. Neurosci., 10:2176-2189 (1990).
12. Clark, W.C., Dohan, F.C., Jr., Moss, T. and Schweitzer, J.B.: Immunocytochemical evidence of lymphocytic derivation of neoplastic cells in malignant angioendotheliomatosis, J. Neurosurg.74:757-762, 1991.
13. Thomas, L.B., Book, A.A., Schweitzer, J.B.: Immunohistochemical detection of a monoclonal antibody directed against the NGF receptor in basal forebrain neurons following intraventricular injection, J. Neurosci. Meth. 37:37-45, 1991.
14. Ferguson, I.A., Schweitzer, J.B., Bartlett, P.F., and Johnson E.M., Jr.: Receptor-mediated retrograde transport in CNS neurons after intraventricular administration of NGF and growth factors, J. Comp. Neurol. 313:680-692, 1991.
15. Boydston, W.R., Sanford, R.A., Muhlbauer, M.S., Kun, L.E., Kirk, E., Dohan, F.C., Jr., Schweitzer, J.B.: Gliomas of the tectum and periaqueductal region of the mesencephalon, Pediatric Neurosurg., 17:234-238,1992.
16. Farr, R.C., Gardner, G., Acker, J.D., Brint, J.M., Haglund, L.F., Land, M.A., Schweitzer, J.B., West, B. C.: Blastomycotic Cranial Osteomyelitis, Am. J. Otology, 13:582-586,1992.
17. Book, A.A., Wiley R.G., Schweitzer, J.B.: Specificity of 192 IgG-saporin for NGF receptor-positive cholinergic basal forebrain neurons in the rat, Brain Res., 590:350-355,1992.
18. Wyler, A.R., Dohan, F.C., Jr., Schweitzer, J.B., Berry, A.D.,III: A grading system for mesial temporal pathology (hippocampal sclerosis) from anterior temporal lobectomy, J Epilepsy, 5:220-225,1992.
19. Schweitzer, J.B., Park, M.R., Einhaus, S.L., Robertson, J.T.: Ubiquitin marks the reactive swellings of diffuse axonal injury, Acta Neuropathol., 85:503-507,1993.

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PUBLICATIONS (continued)

20. Hilton, D.L., Einhaus, S.L. Meric, A.L., III, White R.P., Schweitzer, J.B., Park, M.R., Robertson, J.T.: Early assessment of neurological deficits in the fluid percussion model of brain injury, J. Neurotrauma, 10:121-133,1993.
21. Robertson, J.T., Meric, A.L., Dohan, F. C. Jr., Schweitzer, J.B., Wujek, J.R, Ahmad, Shafik: The reduction of postlaminectomy peridural fibrosis in rabbits by a carbohydrate polymer, J. Neurosurg., 79:89-95,1993.
22. Shibata, M., Einhaus, S., Schweitzer, J.B., Zuckerman, S., Leffler, C.W.: Cerebral blood flow decreased by adrenergic stimulation of cerebral vessels in anesthetized newborn pigs with traumatic brain injury. J. Neurosurg., 79:696-704,1993.
23. Book, A.A., Wiley, R.G., Schweitzer, J.B.: 192 IgG-saporin: I. Specific lethality for cholinergic neurons in the basal forebrain of the rat. J. Neuropathol. Exp. Neurol., 53:95-102,1994.
24. Ali, I.U., Schweitzer, J.B., Ikejiri, B., Saxena, A., Clark, W.C., Robertson, J.T., Oldfield, E.H.: Heterogeneity of subcellular localization of p53 protein in human glioblastomas. Cancer Res., 54:1-5,1994.
25. Pallera, A.A., Schweitzer, J.B., Book, A.A., Wiley, R.G.: 192 IgG-saporin causes a major loss of synaptic content in rat olfactory bulb. Exp. Neurol., 127,265-277,1994.
26. Carroll, S.L., Schweitzer, J.B., Holtzman, D.M., Miller, M.L., Sclar, G.M., Milbrandt, J.: Elements in the 5' flanking sequences of the mouse low-affinity NGF receptor gene direct appropriate CNS, but not PNS, expression in transgenic mice. J Neurosci., 15(5):3342-3356, 1995.
27. Book, A.A., Wiley, R.G., Schweitzer, J.B.: 192 IgG-saporin: II. Neuropathology in the rat brain. Acta Neuropathol., 89:519-26, 1995.
28. Thomas, L.B., Gates, D.J., Richfield, E.K., O'Brien, T.F., Schweitzer, J.B., Steindler, D.A.: DNA End Labeling (TUNEL) in Huntington's disease and other neuropathological conditions. Exp. Neurol., 133,265-72, 1995.
29. Singh, V., Schweitzer, J.B.: Loss of p75 nerve growth factor receptor mRNA containing neurons in rat forebrain after intraventricular IgG 192-saporin administration. Neurosci. Lett., 194:117-20, 1995.
30. Kapas, L., Obal, F. Jr., Book, A.A., Schweitzer, J.B., Wiley, R.G., Krueger, J.M.: Immunolesions of nerve growth factor-receptive neurons by 192 IgG-saporin on sleep. Brain Research, 712:53-59, 1996.

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PUBLICATIONS (continued)

31. Saxena, A., Robertson, J.T., Ali, I.U., Schweitzer, J.B.: Prognostic significance of multiple genetic lesions on chromosomes 19, 10, and 17 in oligodendrogliomas. Int. J. Oncology, 9:901-905, 1996.
32. Schweitzer, J.B., Davies, K.G.: Case Report. Differentiating Central Neurocytoma. J. Neurosurg., 86:543-546, 1997.
33. Baskerville, K.A., Schweitzer, J.B., Herron, P.: Effects of cholinergic depletion on experience-dependent plasticity in the cortex of the rat. Neuroscience, 80:1159-1169, 1997.
34. Herron, P., Zhang, L., Zhicheng, L., Schweitzer, J.B.: Effects of cholinergic depletion on glutamic acid decarboxylase immunoreactivity in the somatosensory cortex of rats. Anatomy and Embryology 196:27-38, 1997.
35. Davies, K.G., Schweitzer, J.B., Looney, M.R., Bush, A.J., Dohan, F.C., Jr., Hermann, B.P.: Synaptophysin immunohistochemistry densitometry measuring in resected human hippocampus: Implication for the etiology of hippocampal sclerosis. Epilepsy Research. 32:335-44, 1998.
36. Davies, K.G., Bell, B.D., Dohan, F.C., Schweitzer, J.B., Hermann, B.P.: Prediction of presence of hippocampal sclerosis from intracarotid amobarbital procedure memory asymmetry scores and epilepsy on set age. Epilepsy Research. 33:117-23, 1999.
37. Wani, M.K., Ruckenstein, M.J., Robertson, J.H., Schweitzer, J.B.: Neurosarcoidosis: An unusual case presenting as a cerebellopontine angle tumor. Otolaryngol. Head Neck Surgery, 121:301-2, 1999.
38. Looney, M.R., Dohan, F.C., Jr., Davies, K.G., Seidenberg, M., Hermann, B.P., Schweitzer, J.B.: Synaptophysin immunoreactivity in temporal lobe epilepsy-associated hippocampal sclerosis. Acta Neuropathol., 98:179-85, 1999.
39. Glass, T.F., Fabian, M.J., Schweitzer, J.B., Weinberg, J.A., Proctor, K.G.: Secondary neurologic injury resulting from nonhypotensive hemorrhage combined with mild traumatic brain injury. J. Neurotrauma. 16:771-782, 1999.
41. Herron P, Schweitzer JB: Effects of cholinergic depletion on neural activity in different laminae of the rat barrel cortex. Brain Res. 872:71-6, 2000.
42. Glass, T.F., Fabian, M.J., Schweitzer, J.B., Weinberg, J.A., Proctor, K.G.: The impact of hypercarbia on the evolution of brain injury in the setting of traumatic brain injury and systemic hemorrhage. J. Neurotrauma, 18:57-72, 2001
42. Gibson, J.B., Maxwell, R.A., Schweitzer, J.B., Fabian, T.C., Proctor, K.G.: Resuscitation from severe hemorrhagic shock after traumatic brain injury using saline, shed blood, or a blood substitute. Shock, 17(3):234-44, 2002

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PUBLICATIONS (continued)

43. Williams, D.L., Ha, T., Li, C., Kalbfleisch, J.H., Schweitzer, J.B., Vogt, W.C., Browder, W.: Modulation of Tissue Toll-Like Receptor 2 and 4 during the Early Phase of Polymicrobial Sepsis Correlates with Mortality. Crit. Care Med., 31:1808-1818, 2003
44. Malhotra AK, Schweitzer JB, Fox JL, Fabian TC, Proctor KG: Cerebral perfusion pressure directed therapy following traumatic brain injury and hypotension in swine. J. Neurotrauma, 20: 827-839, 2003
45. Williams, D.L., Li, C., Ha, T., Ozment-Skelton, T., Kalbfleisch, J.H., Preiszner, J., Brooks, L., Breuel, K. and Schweitzer, J.B. Modulation of the phosphoinositide 3-kinase pathway alters innate resistance to polymicrobial sepsis. J. Immunol., 172: 449-456, 2004
46. Malhotra AK, Schweitzer JB, Fox JL, Fabian TC, Proctor KG. Cerebral perfusion pressure elevation with oxygen-carrying pressor after traumatic brain injury and hypotension in Swine. J Trauma, 56(5):1049-57, 2004
47. Hua F, Ma J, Li Y, Ha T, Xia Y, Kelley J, Williams DL, Browder IW, Schweitzer JB, Li C: The development of a novel mouse model of transient global cerebral ischemia. Neurosci Lett., 400:69-74, 2006
48. Hua F, Ma J, Ha, T, Xia Y, Kelley J, Williams DL, Kao RL, Browder IW, Schweitzer JB, Kalbfleisch JH, and Li C.: Activation of Toll-like Receptor 4 signaling contributes to hippocampal neuronal death following global cerebral ischemia/reperfusion. J Neuroimmunol.,190: 101–111, 2007
49. Ozment-Skelton TR, deFluiter EA, Ha T, Li C, Graves BM, Ferguson, Jr. DA, Schweitzer JB, Preiszner J, Brown GD, Gordon S, Kalbfleisch JH, Williams DL. Leukocyte Dectin-1 expression is differentially regulated in fungal versus polymicrobial sepsis. Critical Care Medicine, 37:1038-45 2009.
50. Hua F, Ma J, Ha T, Kelley J, Williams DL, Kao RL, Schweitzer JB, Kalbfleisch JH, and Li C. Differential Roles of TLR2 and TLR4 in acute focal cerebral ischemia/reperfusion injury in mice. Brain Research, 1262:100-108, 2009.
51. Lu C, Hua F, Liu L, Ha T, Kalbfleisch J, Schweitzer J, Kelley J, Kao R, Williams D, Li C. Scavenger receptor class-A (SR-A) plays a central role in cerebral ischemia/reperfusion injury. Journal Blood Flow Cerebral Metabolism, 30:1972–1981, 2010
52. Chen Lu, Li Liu, Yuling Chen, Tuanzhu Ha, Jim Kelley, John Schweitzer, John H. Kalbfleisch, Race L. Kao, David L. Williams, Chuanfu Li. TLR2 ligand induces protection against cerebral ischemia/reperfusion injury via activation of PI3K/Akt signaling. Journal of Immunology, 187(3):1458-66, 2011

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PUBLICATIONS (continued)

53. Ozment TR, Ha T, Breuel KF, Ford TF, Ferguson DA, Kalbfleisch J, Schweitzer JB, Kelley JL, Li C, Williams DL. Scavenger Receptor class A plays a central role in mediating in mediating mortality and the development of the pro-inflammatory phenotype in polymicrobial sepsis PLoS Pathog. 2012;8(10):e1002967. doi: 10.1371/journal.ppat.1002967.

54. Zhang X, Ha T, Liu L, Gao M, Kelley J, Schweitzer J, Kalbfleisch J, Kao R, Williams D, and Li C Poly (I:C) therapy decreases cerebral ischaemia/reperfusion injury via TLR3-mediated prevention of Fas/FADD interaction. J Cell Mol Med. 2014 Oct 29 PMID: 25351293

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RESEARCH PRESENTED AT MEETINGS

Nerve growth factor receptor-mediated transport from cerebrospinal fluid to basal forebrain neurons. John B. Schweitzer, Dept. of Pathology, University of Tennessee, Memphis, TN 38163. 17th Annual Meeting for the Society of Neuroscience, New Orleans, Louisiana. Nov. 16-21, 1987.

A monoclonal antibody directed against the nerve growth factor receptor delineates the barrel subfield in developing rat somatosensory cortex. Nigel G. F. Cooper, John B. Schweitzer, and Dennis A. Steindler, Dept. of Anatomy and Neurobiology, Dept. of Pathology, University of Tennessee, Memphis, TN 38163. 17th Annual Meeting for the Society of Neuroscience, New Orleans, Louisiana. Nov. 16-21, 1987.

Two tetanus toxins with different affinities for polysialangan- gliosides. Retrograde transport in the rat sciatic nerves to the spinal cord. A. A. Fedinec, J. B. Schweitzer, P. Lazarovici, and E. Yavin. 8th International Conference on Tetanus, Leningrad, USSR. Aug. 25-28, 1987.

Retrograde transport in sciatic nerves of ganglioside affinity-purified tetanus toxins. P. Lazarovici, E. Yavin, A. A. Fedinec, J. B. Schweitzer, and B. Bizzini. Satellite Symposium of the First Joint Meeting of IST and ASN, La Guaria, Venezuela. June 6-8, 1987.

Two ¹²⁵I-tetanus toxins with different affinities to gangliosides: retrograde transport in the rat sciatic nerve. A. A. Fedinec, J. B. Schweitzer, P. Lazarovici, E. Yavin, and B. Bizzini. American Chemical Society Symposium on Natural Toxins, Denver Colorado. June 8-12, 1987. Chemical Engineering News, 1988.

Neoplastic cells in malignant angioendotheliomatosis. Clark, W. C., Schweitzer, J. B., and Dohan, F. C., Jr. Congress of Neurological Surgeons, Seattle, Washington, September 24-29, 1988.

Autopsy findings in adrenal medulla to caudate transplantation for Parkinsonism. Dohan, F. C., Jr., Schweitzer, J. B., Robertson, J. T., Hall, J. C., Feler, C. A., Robertson, J. H. Congress of Neurological Surgeons, Seattle, Washington, September 24-29, 1988.

Neoplastic cells in malignant angioendotheliomatosis. Craig Clark, John B. Schweitzer, F. Curtis Dohan, Jr., Dept. of Neurosurgery and Dept. of Pathology, University of Tennessee, Memphis, TN 38163. Southern Medical Association, Louisiana, New Orleans. November 6-9, 1988.

Autopsy findings in a Parkinson's disease patient treated with adrenal medullary to caudate nucleus transplant. F. C. Dohan, Jr., J. T. Robertson, C. Feler, J. B. Schweitzer, J. C. Hall, and J. H. Robertson, Dept. of Neuropathology and Neurosurgery, University of Tennessee, Memphis, TN 38163. The annual meeting of the Society for Neuroscience, Toronto, Canada. November 13-18, 1988.

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RESEARCH PRESENTED AT MEETINGS (continued)

The fate of FGF in the optic tract. I.A. Ferguson, J.B. Schweitzer, and E.M. Johnson, Jr., Dept. of Pharmacology, Washington University, St. Louis, MO 63110 and Dept. of Pathology, University of Tennessee, Memphis, TN 38163. The annual meeting of the Society for Neuroscience, Phoenix, Arizona. October 29-November 3, 1989.

Tyrosine hydroxylase immunoreactive neurons in human hippocampus and lateral temporal cerebral cortex. William R. Boydston, Allen R. Wyler, F. Curtis Dohan, Jr., and John B. Schweitzer, M.D. Congress of Neurological Surgeons, Atlanta, Georgia. October 28-November 2, 1989.

Specific labelling of basal forebrain neurons following intraventricular injection of an antibody to the NGF receptor. J.B. Schweitzer, L.B. Thomas, and A.A. Book, University of Tennessee, Memphis. The 66th annual meeting of the American Association of Neuropathologists, San Francisco, California. June 14-17, 1990.

Gliomas of the tectum and periaqueductal region of the mesencephalon. W.R. Boydston, R.A. Sanford, M.S. Muhibauer, E.A. Kirk, R.N., L.E. Kun, F.C. Dohan, Jr., J.B. Schweitzer, M.D. American Association of Neurological Surgeons, New Orleans, LA. April 20-25, 1991.

192-IgG-Saporin Immunotoxin: Preliminary biochemical characterizations. A.A. Book, R.G. Wiley, J.B. Schweitzer. Annual Meeting of the Society for Neuroscience. New Orleans, LA. November 10-15, 1991.

Quantitative changes in midbrain axonal morphology correlates with degree of head injury. M.R. Park, J.B. Schweitzer, D.H. Hilton, J.T. Robertson. 1991 Annual Meeting of the Society for Neuroscience, New Orleans, LA. November 10-15, 1991.

System-specific effects of 192-IgG-Saporin on the nerve growth factor receptor-positive cholinergic basal forebrain. A.A. Book, R.G. Wiley, J.B. Schweitzer. The 68th Annual Meeting of the American Association of Neuropathologists, St. Louis, MO. June 1992.

Destruction of cholinergic neurons in the basal forebrain of the rat by 192 IgG-Saporin. A.A. Book, R.G. Wiley, J.B. Schweitzer. The 69th Annual Meeting of the American Association of Neuropathologists, Salt Lake City, UT. June 1993.

Loss of synaptic content in the olfactory bulb following intraventricular 192 IgG-Saporin. A.A. Book, A.M. Pallera, R.G. Wiley, J.B. Schweitzer. 1993 Annual Meeting of the Society for Neuroscience. Washington, D.C. November 8-12, 1993.

Anti-synaptophysin is a sensitive marker of axonal retraction balls in diffuse axonal injury (DAI). J.B. Schweitzer, M.R. Park, V.S. Hnilica. 12th Annual International Congress of Neuropathology, Toronto, Canada. September 18-23, 1994.

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RESEARCH PRESENTED AT MEETINGS (continued)

Responsiveness of the somatosensory cortex following the selective lesioning of cholinergic neurons in nucleus basalis of Meynert. P. Herron, J.B. Schweitzer, K.A. Baskerville, A.A. Book and R.G. Wiley. APSS Annual Meeting in Nashville, TN., May 1995.

The effects of lesion of nerve growth factor-receptive neurons on sleep. L. Kapas, F. Obal, Jr., A.A. Book, J.B. Schweitzer, R.G. Wiley, J.M. Krueger. APSS Annual Meeting, Nashville, TN., May 30-June 4, 1995. Sleep Research: Vol 24, 1995.

Role of acetylcholine in experience-dependent plasticity in the somatosensory cortex of the rat. K.A. Baskerville, N.R. Heaston, J.B. Schweitzer, P. Herron. 25th Annual Meeting, Society of Neuroscience, San Diego, CA. November 11-16, 1995.

A novel method to culture the subependymal zone of the adult rodent reveals immature neurons that prefer an environment rich in extracellular matrix molecules. H. Fillmore, M.A. Gates, L.B. Thomas, J.B. Schweitzer, D.A. Steindler. 25th Annual Meeting, Society of Neuroscience, San Diego, CA. November 11-16, 1995.

Synaptic correlates of hippocampal sclerosis in temporal lobe epilepsy (TLE). M.R. Looney, K.G. Davies, F.C. Dohan, Jr., M. Seidenberg, B.P. Hermann, A.R. Wyler, J.B. Schweitzer. The 72nd Annual Meeting of the American Association of Neuropathologists, Van Couver, British Columbia, June, 1996. J. Neuropath. & Experimental Neurol., 55:621, 1996.

Effects of cholinergic depletion on GAD immunoreactivity in rat PMBSF cortex. P. Herron, L. Zhang, Z.C. Li, J.B. Schweitzer. Annual Meeting of the Society of Neuroscience, Washington, D.C., November 17-22, 1996.

Synaptic correlates of hippocampal sclerosis and memory loss. J.B. Schweitzer, M.R. Looney, K.G. Davies, B.P. Hermann, F.C. Dohan, Jr., M. Seidenberg, A.R. Wyler. Annual Meeting of the American Epilepsy Society, San Francisco, CA, December 7-10, 1996. Epilepsia, 37:141, 1996.

Davies, K.G., Schweitzer, J.B., Looney, M.R., Hermann, B.P., Bush, A.J.: Correlation of Age at Onset and Duration of Epilepsy with Hippocampal Synaptic Density: Implications for Etiology of Hippocampal Sclerosis. Epilepsia 38: 194, 1997.

Thomas, L.B., Robertson, J.H., Dohan, F.C.Jr., Schweitzer, J.B.: Neurosarcoidosis presenting as a cerebellopontine angle mass: Report of three cases with atypical pathologic findings. Congress of Neurological Surgeons, New Orleans, LA, November, 1997.

Fabian, M.J., Schweitzer, J.B., Proctor, K.G.: Cerebral blood flow-metabolism coupling after traumatic brain injury (TBI) combined with hemorrhage. Annual meeting of the Society of Critical Care Medicine, 1997.

CURRICULUM VITAE

John B. Schweitzer

RESEARCH PRESENTED AT MEETINGS (continued)

Glass, T.F., Schweitzer, J.B., Weinberg, J.A., Fabian, T.C., Proctor, K.G.: Hemorrhagic shock potentiates mild traumatic brain injury. 1997 Annual Meeting of Society of Academic Emergency Medicine.

Glass, T.F., Schweitzer, J.B., Weinberg, J.A., Fabian, T.C., Proctor, K.G.: Metabolic indicators of complication risk in traumatic brain injury (TBI) and hemorrhagic shock. Shock. 7(Suppl 2): 17, 1997.

Herron, P., Beasley, R., Schweitzer, J.B.: Effects of progressive periods of cholinergic depletion on functional properties of neurons in rat pmbsf cortex. Soc. Neurosci. Abst. 24:632, 1998.

Fabian, M.J., Schweitzer, J.B., Marsh, J.C., Proctor, K.G.: Acute Ethanol intoxication potentiates cerebral blood flow-metabolism uncoupling after traumatic brain injury. Shock, 9(Suppl 1): 11, 1998.

Hua F, Ma J, Ha T, Williams DL, Schweitzer JB, Kao RL, Li C. Toll-like receptor 4 mediated activation of nuclear factor kappa B is involved in cerebral ischemia/reperfusion injury in mice. Abstract submitted for Neuroscience 2006 meeting. October 14-18, 2006, Atlanta, GA

Hua, F, J. Ma, T. Ha, J. Kelley, DL. Williams, RL. Kao, I. Browder, JB. Schweitzer, JH. Kalbfleisch and C. Li. Toll-like Receptor 4 Signaling Contributes to Cerebral Ischemia/Reperfusion Injury in Mice. Presented at Joint meeting of SLB and IEIIS, San Antonio, Nov. 8-11, 2006.

Hua, F., T Ha, J Ma, J Kelley, DL. Williams, RL. Kao, IW Browder, JB. Schweitzer, JH. Kalbfleisch and C Li. Increased Toll-like Receptor 4 and Fas-L expression in Ischemic Brain in Mice. Presented at FESAB Annual Meeting, April, 28, 2007.

Hua F, Ha T, Ma J, Kelley J, Williams DL, Kao RL, Browder IW, Schweitzer JB, Kalbfleisch JH, Li C. TLR4 and Fas-L temporally increase in ischemic mouse brain. Experimental Biology Annual Meeting (FASEB), April 28-May 2, 2007, Washington DC.

C. Lu, F. Hua, T. Ha, J. Kalbfleisch, J. Schweitzer, J. Kelley, D. Williams and C. Li. Macrophage scavenger receptor-A (SR-A) Deficiency Protects Against Focal Cerebral Ischemia/Reperfusion Injury. Shock meeting, June 2009, San Antonio, Texas

Elshenawy Y., Schweitzer J, Abu-Shahin F, Chakraborty K, Fullagar T, Enck R. Primary squamous sarcoma of the infundibulum - possible origin from pars tuberalis squamous cell rests (Abstract #192). In: Annual Meeting of the American Association of Neuropathologists, Abstracts of the 89th Annual Meeting; 2013 June 20-23; Charleston, SC. Philadelphia (PA): LWW; 2013. p.540-598. (J Neuropathol Exp Neurol; vol. 72, no.6).

CURRICULUM VITAE

John B. Schweitzer

GAD65-associated Cerebellar Ataxia with Acute Polyradiculoneuropathy

Tipton, PW, Orvik A, Schweitzer JB, Whaley NR. American Neurological Association's 2014 Annual Meeting. October 12 – 14, 2014

CURRICULUM VITAE

John B. Schweitzer

PAST RESEARCH SUPPORT

1 S10 RR021194-01 "Laser Capture Microdissection System" National Center for Research Resources, April 1, 2005 – March 31, 2006 (Principal Investigator)

BNS - 8603563 "Effect of deprivation of NGF on developing guinea pig brain," pilot project award, NSF, September 1986 thru February 1988. (Principal Investigator)

1 KO8 NS 01230 Clinical Investigator Development Award "Nerve growth factor receptor-mediated transport topics", NINDS, July 1, 1987 thru June 30, 1992.

2 RO1 NS 25122 "Nerve growth factor receptor-mediated transport in CNS", NINCDS, July 1, 1987 thru March 30, 1995. (Principal Investigator)

STUDENT TRAINING

L. Brannon Thomas, Medical Student Research Fellowship Program, summer, 1988

Adam Book, January 1, 1989 through June 1993. A Ph.D. in Anatomy and Neurobiology was awarded to Adam on June 4, 1993. Thesis title: Production of a Selective Forebrain Cholinergic Deficit in the Rat using an Immunotoxin.

Arnel Pallera, Medical Student Research Fellowship Program, summer, 1992. Arnel received the 1995 Annual Alumni Award in Research for work performed in this fellowship.

Vivekanand Singh, graduate student in Cell and Molecular Pathology, July 1993-June 1995

Mark Looney, Medical Student Research Fellowship Program, summer, 1995.

Michael Naimark, graduate student (Master's degree) in Anatomy and Neurobiology, April 1995-June 1996. Thesis title: Synaptic Terminal Deficit Produced by Cholinergic Basal Forebrain Immunolesioning.

Brad Brobeck, Medical Student Research Fellowship Program, summer, 1996.

Ben Hughes, undergraduate research volunteer, 2009-2010

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