Timothy Schallert
Curriculum Vitae

May 9, 2012

1. Professor, University of Texas at Austin
   Dept. of Psychology and member of Institute for Neuroscience
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   512-423-1150 (cell)

2. Adjunct Professor, University of Michigan School of Medicine
   Department of Neurosurgery
   & Research Scientist, Center for Human Growth & Development
   University of Michigan, Ann Arbor, Michigan 48109

3. Adjunct Research Scientist, Henry Ford Health Science Center
   Dept of Neurology
   Detroit, Michigan

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Education

University of San Francisco (B.A., 1971)
California State University San Francisco (M.A., 1973)
Arizona State University (Ph.D., 1976; major professor, E. P. Lindholm)

Post-Ph.D. Positions

1976 Postdoctoral Fellow, National Research Council of Canada, University of Lethbridge, Alberta, Canada (lab of Ian Q. Whishaw). Also taught undergraduate courses.
1977-78 Postdoctoral Research Associate and Lecturer, University of Illinois at Urbana-Champaign (laboratory of Philip Teitelbaum).
1978-79 Research Associate, Depts of Psychology and Pharmacology, University of Arizona.
1979-84 Assistant Professor, Department of Psychology, University of Texas at Austin.
1984-89 Associate Professor, Department of Psychology, Univ. Texas at Austin
1985-94 Associate Chair, Department of Psychology, University of Texas at Austin.
1989- Professor, Department of Psychology, University of Texas at Austin.
1994-98 Behavioral Neuroscience Area Head, Dept of Psychology, Univ. Texas at Austin.
1996-00 Graduate Advisor for Neuroscience Ph.D. program, Univ. Texas at Austin
1998- Distinguished Teaching Professor, University of Texas at Austin (1998-present)
2000-01 Professor of Psychology (Neuroscience), University of Michigan;
Director, Brain & Behavior Program, Center for Human Growth and Development;
Adjunct Professor, Neurobiology, Sch. Biol Sciences, Univ. Texas at Austin
Director of Research, U.S., NeuroDetective, Inc.

2001- Professor, Dept of Psychology and Neurobiology, Univ. Texas at Austin
Adjunct Professor, Dept of Neurosurgery, University of Michigan School of Medicine, & Center for Human Growth and Development, Ann Arbor, MI

Adjunct Research Professor, Dept. of Neurology, Henry Ford Health Science Center

Outside grant support (direct costs)

Current grants:

NIH, Co-PI $125,941/yr. Characterization of ultrasonic vocalization after middle cerebral artery occlusion in rats: A model for stroke induced speech deficits 6/1/11 - 5/1/13

Davis Phinney Foundation for Parkinson's disease research. (PI), $50,000, 1-1-08 - 12-31-12

NIH, Co-PI. Cognitive neurorehabilitation to enhance recovery after stroke. 5-1-09 to 4-31-12 $220,688.

NIH, Co-I. Rapid repair of severed axons. Dec 1, 2012 – Nov. 30, 2017 $250,000/yr

Scientific American magazine affiliate grant to maintain Psychology Dept human brain neuropathology collection located in Schallert lab. See March and July 2011 issues (July *Scientific American* cover story photos from the collection.)

Consultant on many other federal grants

Past grants

PPG, PO1 NS 042345. Henry Ford Hospital and Health Science Center, Detroit, Michigan. Director of Behavioral Core and Co-PI, Project 3 "Treatment of stroke and traumatic brain injury with marrow stromal cells" (PPG director Michael Chopp). 10/1/03-9/31/08. $99,314/yr directs costs to Schallert.

PPG, PO1 NS 19608-19. Univ. Pittsburgh, Director of Behavioral Core. Early detection, compensation and neuroprotection in Parkinson's Disease (PPG director Michael Zigmond). 8/1/03-7/31/08. This project's focus is on use-dependent neural events associated with exercise and other forms of motor enrichment, and using motor enrichment to slow or halt progressive degeneration of dopamine neurons after exposure to neurotoxins. $93,312/yr to Schallert at UT Austin. Other research funds for collaborative research conducted at Univ. Pittsburgh ($5.3 million). Schallert is part of a Udall Center for Excellence in Parkinson's disease including UT Austin, Univ. Pittsburgh and Wake Forest Univ.

NIH, HD-02-023; Co-PI. (with Jack Parent). Pharmacological approaches to enhance neuromodulation in rehabilitation. Sept 03-Aug 08.
The goal of this research is to determine whether pharmacological (growth/differentiation factors or astrocyte-derived cues) alone, or in combination with motor enrichment, will stimulate neurogenesis and improve functional recovery after stroke (MCAo) in the adult rat. . $68,000 to Schallert

NS 047245. Delayed neurodegeneration after intracerebral hemorrhage Principal Investigator: Guohua Xi; Co-Investigator: Timothy Schallert. Agency: NINDS. Type: R01 (NS 047245; Years 1-4). Period 5/3/04-4/30/08. The aim of this project is to determine the role of iron in intracerebral hemorrhage-induced neurodegeneration. $23,588/yr to Schallert

N.I.A.A.A. training grant, (Co-I) 1987-present (Rueben Gonzalez is PI). "Neurochemical and behavioral correlates of ethanol" (graduate student and postdoc support).

NIH training grant (Co-I) Adron Harris (PI). for graduate students in Institute for Neuroscience.

NIH (NS23979) $127,340/yr direct costs to Schallert at Univ. Texas at Austin. Grant period: Feb/99-Jan/05. Behavior-neural interactions are explored in animal models of stroke and parkinsonism.

NIH, NS24707 "Recovery of Function after Spinal Cord Damage", program project (Marion Murray is the Program Project Director, Hahneman Univ. School of Medicine, Dept of Neurology). Co-Director of Behavioral Core: "Assessment and enhancement of transplant mediated recovery of function" $26,000/yr direct costs to Schallert, UT Austin, July/01-June/06. This study examines the behavioral and anatomical effects of transplantation of genetically engineered fibroblasts delivering the neurotrophic factor BDNF after unilateral spinal cord injury, and the interaction of BDNF and motor rehabilitation.

PO1 HD39386-01A1. NIH, Consultant/collaborator on subproject of Program Project Grant (Betsy Lozoff, PPG director). "Iron deficiency in development of brain and behavior" June 01-May 06.

DARPA grant. "Phasic dopaminergic signaling and the pre-symptomatic phase of Parkinson's disease". Schallert is Co-P.I. for the subcontract with Paul Garris at Illinois State University. The studies attempt to understand the role of phasic dopamine signaling in mechanisms of plasticity and functional outcome after partial degeneration of dopamine terminals. (4 year grant. July 03 – June 07).). $48,966/yr to Schallert

NIH P20 – RR- 020700 – (McNeill, T.H., PI)9/1/04 – 8/30/07. Role in Project: Co-PI with Theresa Jones, Study 3. Title: New Directions in Stroke Neurorehabilitation
The studies proposed use an interdisciplinary approach to examine the synergy between neural plasticity and treatment strategies that promote the recovery of upper limb motor function after stroke-induced brain injury. The long-term goals of our study are: 1) to broaden our understanding of the key factors that modulate neuroplasticity and the recovery of function after brain injury, 2) build a foundation of interdisciplinary scientific knowledge that can be used in the development of innovative and more effective therapeutic interventions to enhance the health and independence of persons with post-stroke disabilities; and 3) provide an interdisciplinary training opportunity for (basic science and clinical) graduate and post-doctoral students to develop as independent research scientists equipped to work both within and across scientific disciplines. . $40,000/yr

NIH, Consultant/collaborator. Mechanisms of thrombin-induced tolerance to brain injury. 2 RO1 NS 039866. Guohua Xi (PI). Total grant: $1,055,450 to Michigan; April 1, 03- March 31, 07.

Texas Advanced Medical Technology Program (Co-PI with GD Bittner), "Rapid in vivo repair of severed sciatic and spinal axons in mammals".
Jan/00-Dec/04. This study examines the behavioral, electrophysiological, and neuroanatomical effects of polyethylene glycol induced reattachment (fusion) of axons after injury to sciatic nerve or spinal cord in freely moving rats. $270,000

N.I.M.H. training grant, (Co-I), 1988-2005 (David Crews is PI). " Training program in neurobiology and behavior" (graduate student and postdoc support)

Sulzer Innotec. (PI); "Growth factor restoration of neural function following ischemic stroke"
$59,000 direct costs, Dec/98-Nov/00 (indirect costs at 52%).
This study examines the effects of several growth factors on outcome from focal photothrombotic injury and middle cerebral artery occlusion as a function of rehabilitative strategy.

Parkinson Foundation of Pittsburgh. (PI); "Progressive degeneration of dopamine neurons and movement related therapeutic interventions in a parkinson model"
$25,000, Feb/99-Jan01
This study examines the effects of motor rehabilitation on neural and behavioral outcome from slow progressive neurotoxin induced degeneration of the nigrostriatal DA system.

Creative Biomolecules.(PI)
Effects of OP-1 growth factor on neuroplasticity
$10,700 direct costs.

N.I.H. (PI) "Aging-dependent parkinsonian model"
$125,232, 1982-1985.

N.I.H. (PI) "Neural & behavioral plasticity after brain damage" (initial years' title:"Diazepam effects on recovery of function after brain damage"), 1986-1998.
1986-1989, $253,803; 1990-1993, $217,539; 1994-1998$380,767.

Texas Advanced Research Program (PI) "Use-dependent neural events after brain injury"
$122,000; 1995-1998.

N.I.A.A.A (Co-PI) "Ethanol, aging and a model of reaction time" $222,784; 1987-1989.

N.S.F. (PI, Project Director) "Laboratory approaches to Biopsychology"
$35,348, (grant used to develop on-going course in Methods of Behavioral Neuroscience).

N.I.H. (PI) Small Instrumentation Grant
$6,150, 1988

N.I.H. (PI) Small Instrumentation Grant
$15,000; 1989.

N.I.H. Supplement funds for minority undergraduate, research
$15,000.

Various donors, 1996-2001. Amgen, Cytotherapeutics; Genentech; Scios Inc; Creative Biomolecules.; other donors, funds totaling about $75,000.
Neuroscience Network, Centers for Excellence Program of Canada (Co-I), 1997-1999, $10,000 per year for my own research at UT Austin, out of $300,000.
Canadian Stroke Network (Co-Investigator for Theme IV, Project Director: Bryan Kolb, 2000-2003.)
N.I.M.H. Predoctoral Fellowship (competitive federal funding for dissertation research), 1975.

Consultant, on NIH grants awarded to colleagues at Northwestern, Univ. Pittsburgh, Stanford, Univ. Michigan, Henry Ford Neuroscience Center, Harvard, Concordia University in Montreal, Oakland University, Southern Illinois Univ, Salk Institute, UCSD, Univ Minnesota, Drexel Univ

Teaching Awards and related undergraduate

Elected to Academy of Distinguished Teachers, 1998.
Univ. of Texas at Austin's 1992-1993 AMOCO Foundation Award for Undergraduate Teaching
University of Texas at Austin's 1995-1996 President's Association Teaching Award

Other: Cited by 2004 ISI College Guide as one of 33 exceptional teachers at UT Austin; Mortar Board Society Preferred Professor Award, 1993; Faculty Fellowship Teaching Award (15 times); Faculty Adviser for undergraduates awarded a Dean Research Grant, a 1996-1997 Model Thesis award, a Plan II Research Grant, and other funded fellowships for conducting research in my lab. Undergraduate Research Apprenticeship Program, Accepted Proposal Funded, 2010-2011

Awards and achievements received by my graduate students

1993 Donald B. Lindsley Prize (for most outstanding dissertation in behavioral neuroscience, from Society for Neuroscience and Grass Foundation)- Theresa Jones
All time APS Top 10 Great Dissertations, most cited dissertation-based research article- Theresa A. Jones
1994 Michael Goldberger Prize (National Neurotrauma Society, for outstanding research in neuroplasticity)- Dorothy Kozlowski
1995 Michael Goldberger Prize (National Neurotrauma Society, for outstanding dissertation research in neuroplasticity)- Dorothy Kozlowski
American Psychological Society list of 50 all-time greatest dissertations (based on citations) ranks Theresa Jones' dissertation 8th, and Dorothy Kozlowski dissertation 13th.
Fellow (elected 2003), of APA- Theresa Hernandez
Sloan Foundation Fellowship- Theresa Hernandez
Fulbright Fellowship- Theresa Hernandez
Ford Foundation Fellowship- Theresa Hernandez
Omnitech Fellowship- Theresa Jones
Fellows of APA- Theresa Jones, Teri Hernandez
American Psychological Association Dissertation Research Award- Stuart Hall
WCBR Fellowships (two)- Theresa Hernandez, Theresa Jones
UT Outstanding Graduate Research Symposium Award (1998)- Jennifer Tillerson
(UT Research Internship award, 1997)
Neurotrauma Society Research Excellence award (1997)- Leigh Humm
UT Psychology Department best dissertation award (1996)- Dorothy Kozlowski
Undergraduate teaching award- Margaret Upchurch
Students who are chairs of their Psychology Depts. - Tim Barth and Margaret Upchurch
Harrington Fellowship, Marty Woodlee
NSF Pre-doctoral Fellowship, Marty Woodlee
F-32 Research Postdoctoral Funding, Michelle Ciucci
Other achievements by past graduate students while at UT Austin:

NIMH Fellowships; UT Research Internship; Continuing Fellowship Awards; Eastern Paralyzed Veterans Association Fellowship; IBNS Travel award (twice); Women in Neuroscience Award; American Psychological Association's Minority Graduate Fellowship.
UT Outstanding Dissertation Award, Michael Spinetta
Nominated for APA Outstanding Dissertation Award, Div. 28, Michael Spinetta

Post-Ph.D. careers: All of my ex-students and postdocs are in tenure track academic positions except one who currently is a postdoc at Univ. Michigan

Citations to Schallert publications: 9,958. **H-index: 58** (Google Scholar H-index: 61)

Publications

1. Lindholm, E., Shumway, G. A., Grijalva, C. V., Schallert, T., & Ruppel, M. (1975). Gastric pathology produced by hypothalamic lesions in rats. *Physiology and Behavior*, 14, 165-169.

2. Grijalva, C. V., Lindholm, E., Schallert, T., & Bicknell, E. J. (1976). Gastric pathology and aphagia following lateral hypothalamic lesions in rats: Effects of preoperative weight reduction. *Journal of Comparative and Physiological Psychology* (now *Behavioral Neuroscience*) 90, 505-519.

3. Whishaw, I. Q., Robinson, T. E., & Schallert, T. (1976). Intraventricular anticholinergics do not block cholinergic hippocampal RSA or neocortical desynchronization in the rabbit or rat. *Pharmacology, Biochemistry, and Behavior*, 5, 275-283.

4. Kolb, B., Whishaw, I. Q., & Schallert, T. (1977). Aphagia, behavior sequencing, and body weight set point following orbital frontal lesions in rats. *Physiology and Behavior*, 19, 93-103.

5. Schallert, T. (1977). Reactivity to food odors during hypothalamic stimulation in rats not experienced with stimulation-induced eating. *Physiology and Behavior*, 18, 1061-1066.

6. Schallert, T., Whishaw, I. Q., & Flannigan, K. P. (1977). Gastric pathology and feeding deficits induced by hypothalamic damage in rats: Effects of lesion type, size and placement. *Journal of Comparative and Physiological Psychology* (now *Behavioral Neuroscience*) 91, 598-610.

7. Whishaw, I. Q., & Schallert, T. (1977). Hippocampal RSA (theta), apnea, bradycardia and effects of atropine during underwater swimming in the rat. *Electro-encephalography and Clinical Neurophysiology*, 42, 389-396.

8. Schallert, T., Leach, L. R., & Braun, J. J. (1978). Saliva hypersecretion during aphagia following lateral hypothalamic lesions. *Physiology and Behavior*, 21, 461-463.

9. Schallert, T., & Whishaw, I. Q. (1978). Two types of aphagia and two types of sensorimotor impairment after lateral hypothalamic lesions: Observations in normal weight, dieted and fattened rats. *Journal of Comparative and Physiological Psychology* (now *Behavioral Neuroscience*), 92, 720-741.

10. Schallert, T., Whishaw, I. Q., De Ryck, M., & Teitelbaum, P. (1978). The postures of catecholamine-depletion catalepsy: Their possible adaptive value in thermoregulation. *Physiology and Behavior*, 21, 817-820.

11. Schallert, T., Whishaw, I. Q., Ramirez, V. D., & Teitelbaum, P. (1978). Compulsive, abnormal walking caused by anticholinergics in akinetic, 6-hydroxydopamine-treated rats. *Science*, 199, 1461-1463.

12. Schallert, T., Whishaw, I. Q., Ramirez, V. D., & Teitelbaum, P. (1978). 6-hydroxydopamine and anticholinergic drugs. *Science*, 202, 1215-1217.

13. Whishaw, I. Q., Robinson, T. E., Schallert, T., De Ryck M., & Ramirez, V. D. (1978). Electrical activity of the hippocampus and neocortex in rats depleted of brain dopamine and norepinephrine: Relation to behavior and effects of atropine. *Experimental Neurology*, 62, 748-767.

14. Schallert, T., De Ryck, M., Whishaw, I. Q., Ramirez, V. D., & Teitelbaum, P. (1979). Excessive bracing reactions and their control by atropine and L-dopa in an animal analog of Parkinsonism. *Experimental Neurology*, 64, 33-43.

15. Pedigo, N. W., Schallert, T., Overstreet, D. H., Ling, N. C., Ragan, P., Reisine, T. D., & Yamamura, H. I. (1979). Inhibition of in vivo 3H-Spiperone binding by the proposed antipsychotic des-tyrosine-gamma-endorphin. *European Journal of Pharmacology*, 60, 359-364.

16. Hsiao, S., Wang, C. H., & Schallert, T. (1979). Cholecystokinin, meal pattern and the intermeal interval: Can eating be stopped before it starts? *Physiology and Behavior*, 23, 909-914.

17. Schallert, T., & Hsiao, S. (1979). Homeostasis and life. *Behavioral and Brain Sciences*, 2, 118.

18. Whishaw, I. Q., Schallert, T., & Kolb, B. (1979). The thermal control of immobility in developing infant rats: Is the neocortex involved? *Physiology and Behavior*, 23, 757-762.

19. Schallert, T., De Ryck, M., & Teitelbaum, P. (1980). Atropine stereotypy as a behavioral trap: A movement subsystem and electroencephalographic analysis. *Journal of Comparative and Physiological Psychology* (now *Behavioral Neuroscience*) 94, 1-24.

20. Sirkin, D. W., Schallert, T., & Teitelbaum, P. (1980). Involvement of the pontine reticular formation in head movements and labyrinthine righting in the rat. *Experimental Neurology*, 69, 435-457.

21. Schallert, T., Overstreet, D. H., & Yamamura, H. I. (1980). Muscarinic receptor binding and behavioral effects of atropine following chronic catecholamine depletion or acetylcholinesterase inhibition in rats. *Pharmacology, Biochemistry, and Behavior*, 13, 187-192.

22. Szymusiak, R., Satinoff, E., Schallert, T., & Whishaw, I. Q. (1980). Brief skin temperature changes toward thermoneutrality trigger REM sleep in rats. *Physiology and Behavior*, 25, 305-311.

23. Pedigo, N. W., Reisine, T. D., Schallert, T., Overstreet, D. H., Ling, N. C., Ragan, P., & Yamamura, H. I. (1980). Possible role of opiate receptors and des-tyrosine-gamma-endorphin in schizophrenias. In E. Costa & M. Trabucchi (Eds.), *Neural peptides and neuronal communications* (pp. 549-562). New York: Raven Press.

24. De Ryck, R., Schallert, T., & Teitelbaum, P. (1980). Morphine versus haloperidol catalepsy in the rat: A behavioral analysis of postural support mechanisms. *Brain Research*, 201, 143-172.

25. Teitelbaum, P., Schallert, T., DeRyck, M., Whishaw, I. Q., & Golani, I. (1980). Motor subsystems in motivated behavior. In R. F. Thompson, L. H. Hicks, & V. B. Shvyrkov (Eds.), *Neural mechanisms of goal-directed behavior and learning* (pp. 127-143). New York: Academic Press.

26. Berens ES, Pedigo, N. W., Reisine, T. D., Schallert, T., Overstreet, D. H., Ling, N. C., Ragan, P., & Yamamura, H. I. (1980). Neuroleptic-like activity of the proposed anti-psychotic peptide, des-tyrosine-1-gamma endorphin. *Clin Res.*28 (1): A17-A17.

27. Whishaw, I. Q., Schallert, T., & Kolb, B. (1981). An analysis of feeding and sensorimotor abilities of rats after decortication. *Journal of Comparative and Physiological Psychology* (now *Behavioral Neuroscience*), 95, 85-103.

28. Cheng, J. T., Schallert, T., De Ryck, M., & Teitelbaum, P. (1981). Galloping induced by pontile tegmental damage or GABA in rats: A form of Parkinsonian "festination" not blocked by haloperidol. *Proceedings of the National Academy of Science*, U.S.A., 78, 3279-3283.

29. Schallert, T., & Teitelbaum, P. (1981). Haloperidol, catalepsy, and equilibrating functions in the rat: Antagonistic interaction of clinging and labyrinthine righting reactions. *Physiology and Behavior*, 27, 1077-1083.

30. Schallert, T. (1982). Adipsia produced by lateral hypothalamic lesions: Facilitation of recovery by preoperative restriction of water intake. *Journal of Comparative and Physiological Psychology* (now *Behavioral Neuroscience*) 96, 604-614.

31. Schallert, T., Upchurch, M., Lobaugh, N., Farrar, S. B., Spirduso, W. W., Gilliam, P., Vaughn, D., & Wilcox, R. E. (1982). Tactile extinction: Distinguishing between sensorimotor and motor asymmetries in rats with unilateral nigrostriatal damage. *Pharmacology, Biochemistry, and Behavior*, 16, 455-462.

32. Upchurch, M., & Schallert, T. (1982). Neuroleptic-sensitive posture and movement related to subordinate social status in Mongolian gerbils (Meriones unguiculatus). *Behavioral and Neural Biology*, 35, 308-314.

33. Schallert, T., Pendergrass, M., & Farrar, S. B. (1982). Cholecystokinin-octapeptide effects on eating elicited by "external" versus "internal" cues in rats. *Appetite: Journal for Intake Research*, 3, 81-90.

34. Whishaw, I. Q., Flannigan, K. P., & Schallert, T. (1982). An assessment of the state hypothesis of animal hypnosis through an analysis of neocortical and hippocampal EEG in spontaneously immobile and hypnotized rabbits. *Electroencephalography and Clinical Neurophysiology*, 54, 365-374.

35. Schallert, T., Upchurch, M., Wilcox, R. E., & Vaughn, D. M. (1983). Posture-independent sensorimotor analysis of inter-hemispheric receptor asymmetries in neostriatum. *Pharmacology, Biochemistry, and Behavior*, 18, 753-759.

36. Schallert, T. (1983). Sensorimotor impairment and recovery of function in brain-damaged rats: Reappearance of symptoms during old age. *Behavioral Neuroscience*, 97, 159-164.

37. Teitelbaum, P., Schallert, T., & Whishaw, I. Q. (1983). Sources of spontaneity in "motivated" behavior. In E. Satinoff & P. Teitelbaum (Eds.), *Handbook of behavioral neurobiology* (Vol. 6, pp. 23-65). New York: Plenum Publishing Corporation.

38. Upchurch, M., & Schallert, T. (1983). A behavioral analysis of the offspring of "haloperidol-sensitive" and "haloperidol-resistant" gerbils. *Behavioral and Neural Biology*, 39, 221-228.

39. Schallert, T., & Whishaw, I. Q. (1984). Bilateral cutaneous stimulation of the somatosensory system in hemi-decorticate rats. *Behavioral Neuroscience*, 98, 518-540.

40. Schallert, T., & Whishaw, I. Q. (1985). Neonatal hemidecortication and bilateral cutaneous stimulation in rats. *Developmental Psychobiology*, 18, 501-514.

41. Schallert, T. (1985). Brain stimulation and catecholaminergic drugs. *Behavioral and Brain Sciences*, 8, 178-179.

42. Spirduso, W. W., Gilliam, P., Schallert, T., Upchurch, M., & Wilcox, R. E. (1985). Reactive capacity: A sensitive behavioral marker of movement initiation and nigrostriatal dopamine function. *Brain Research*, 335, 45-54.

43. Schallert, T., & Wilcox, R. E. (1985). Neurotransmitter-selective brain lesions. In A. A. Boulton & G. B. Baker (Eds.), *Neuromethods (Series 1: Neurochemistry), General Neurochemical Techniques* (pp. 343-387). Clifton, NJ: Humana Press.

44. Schallert, T. (1985). Behavioral correlates of neurochemistry. *Appetite* 6, 169-170.

45. Schallert, T., Hernandez, T. D., & Barth, T. M. (1986). Recovery of function after brain damage: Severe and chronic disruption by diazepam. *Brain Research*, 379, 104-111.

46. Barth, T. M., & Schallert, T. (1987). Somatosensorimotor function of the superior colliculus, somatosensory cortex, and lateral hypothalamus in the rat. *Experimental Neurology*, 95, 661-678.

47. Spirduso, W. W., Schallert, T., Erickson, C., Fenton, H. M., Fineg, J., Knight, G., Mayfield, D., & Walters, T. (1987). Ethanol and aging effects on movement initiation can be

dissociated from general behavioral impairment using a high-speed lever-release task in rats. *Alcohol and Drug Research*, 7, 259-271.

48. Hernandez, T. D., & Schallert, T. (1987). Sensorimotor asymmetry produced by unilateral cortical damage is diminished by pentylenetetrazol. *Psychopharmacology*, 1, Suppl. 1.

49. Rutledge, J. N., Hilal, S. K., Schallert, T., Silver, A. J., Defendini, R. D., & Fahn, S. (1987). Magnetic resonance imaging of Parkinsonisms. In S. Fahn, C. D. Marsden, M. Goldstein, & D. B. Calne, (Eds.), *Recent developments in Parkinson's disease (Vol II).* Florham Park, NJ: S. Macmillan Healthcare Information.

50. Schallert, T. (1988). Animal models of eating disorders: Hypothalamic function. In B. J. Blinder, B. F. Chaitin, & R. Goldstein (Eds.), *The Eating Disorders: Medical and psychological bases of diagnosis and treatment.* Great Neck, NY: PMA Publishing Corporation.

51. Schallert, T., & Hall, S. (1988). 'Disengage' sensorimotor deficit following apparent recovery from unilateral dopamine depletion. *Behavioural Brain Research*, 30, 15-24.

52. Schallert, T. (1988). Aging-dependent emergence of sensorimotor dysfunction in rats recovered from dopamine depletion sustained early in life. In J. A. Joseph (Ed.), *Central Determinants of Age-related Declines in Motor Function*. Annals of New York Academy of Sciences, 515, 108-120.

53. Lindner, M. D., & Schallert, T. (1988). Aging and atropine effects on spatial navigation in the Morris water task. *Behavioral Neuroscience*, 102, 621-634.

54. Hernandez, T. D., & Schallert, T. (1988). Seizures and recovery from experimental brain damage. *Experimental Neurology*, 102, 318-324.

55. Hall, S., & Schallert, T. (1988). Striatal dopamine and the interface between orienting and ingestive functions. *Physiology and Behavior*, 44, 469-471.

56. Schallert, T. (1989). Preoperative intermittent feeding or drinking regimens enhance post-lesion sensorimotor function. In J. Schulkin (Ed.), *Preoperative events: Their effects on behavior following brain damage* (pp. 1-20). New Jersey: Lawrence Erlbaum Association.

57. Spirduso, W. W., Mayfield, D., Grant, M., & Schallert, T. (1989). Effects of route of administration of ethanol on high-speed reaction time in young and old rats. *Psychopharmacology*, 97, 413-417.

58. Hernandez, T. D., Kiefel, J., Barth, T. M., Grant, M. L., & Schallert, T. (1989). Disruption and facilitation of recovery of behavioral function: Implication of the gamma-aminobutyric acid/benzodiazepine receptor complex. In M. Ginsberg & W. D. Dietrich (Eds.), *Cerebrovascular diseases* (pp. 327-334). New York: Raven Press.

59. Hernandez, T. D., Jones, G. H., & Schallert, T. (1989). Co-administration of the benzodiazepine antagonist Ro 15-1788 prevents diazepam-induced retardation of recovery of function. *Brain Research*, 487, 89-95.

60. Schallert, T., Petrie, B. F., & Whishaw, I. Q. (1989). Neonatal dopamine depletion: Spared and unspared sensorimotor and attentional disorders and effects of further depletion in adulthood. *Psychobiology,* 17, 386-396.

61. Hall, S., Rutledge, J. N., & Schallert, T. (1989). Neurological disorders and brain iron visualized by MRI. *Journal of Clinical and Experimental Neuropsychology*, 92-93.

62. Schallert, T., & Lindner, M. D. (1990). Rescuing neurons from trans-synaptic degeneration after brain damage: Helpful, harmful or neutral in recovery of function. Invited article for special (refereed) issue of the *Canadian Journal of Psychology* on neural plasticity and recovery of function, 44(2), 276-292.

63. Hernandez, T. D., & Schallert, T. (1990). Long-term impairment of behavioral recovery from cortical damage can be produced by short-term GABA-agonist infusion into adjacent cortex. *Restorative Neurology and Neuroscience*, 1, 323-330.

64. Barth, T. M., Jones, T., & Schallert, T. (1990). Functional subdivisions of the rat sensorimotor cortex. *Behavioural Brain Research*, 39, 73-95.

65. Barth, T. M., Grant, M. L., & Schallert, T. (1990). Effects of MK-801 on recovery from sensorimotor cortex lesions. *Stroke*, 21, 153-157.

66. Schallert, T., Jones, T. A., & Lindner, M. D. (1990). Multi-level transneuronal degeneration after brain damage: Behavioral events and effects of anticonvulsant GABA-related drugs. *Stroke*, 21, 143-146.

67. Goldstein LB, Caplan L,, DeRyck M, Schallert T, et al. (1990). Recovery of function. *Stroke* 21 (11): 151-152.

68. Schallert, T. (1991). Neostriatal mechanisms affecting drinking. In D. J. Ramsay & D. A. Booth (Eds.), *Thirst: Physiological and psychological aspects* (pp. 232-240). New York: Springer-Verlag.

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198. Xiong, Y., Dunyue, L., Changsheng, Q., Goussev, A., Schallert, T., Mahmood, A., Chopp, M. (2008) Effects of erythropoietin on reducing brain damage and improving functional outcome after traumatic brain injury in mice. *Journal of Neurosurgery*, 109: 510-521.

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205. Xiong Y, Qu C, Mahmood A, Li Z, Ning R. Li Y, Kaplan DL, Schallert T, Chopp M. (2009) Delayed transplantation of human marrow stromal cell-seeded scaffolds increases transcallosal neural fiber length, angiogenesis, and hippocampal neuronal survival and improves functional outcome after traumatic brain injury in rats. *Brain Research*, 1263: 183-191

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212. Xiong Y, Mahmood A, Meng Y, Zhang Y Qu C, Schallert T, and Chopp M. (2009) Delayed administration of erythropoietin reduces hippocampal cell loss, enhances angiogenesis and neurogenesis, and improves functional outcome following traumatic brain injury in rats: Comparison of treatment with single dose and triple dose. *Journal of Neurosurgery,* in press

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215. Okauchi M, Hua Y, Keep RF, Morgenstern LB, Schallert T, Xi G (2010) Deferoxamine treatment for intracerebral hemorrhage in aged rats: therapeutic time window and optimal duration. *Stroke*, 41, 375-382.

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217. Schallert T, Fleming SM (2010) Dopamine and motor function in rat and mouse models of Parkinson's disease. In *Dopamine Handbook*, LL Iversen, Dunnett SB and A. Bjorklund (Eds) *Brain Dopamine*, Oxford, 279-285

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221. Maier EY, Ahrens AM, Ma ST, Schallert T, CL Duvauchelle CL (2010) Cocaine deprivation effect: Cue abstinence over weekends boosts anticipatory 50-kHz ultrasonic vocalizations in rats. *Behavioural Brain Research*, 214, 75-79.

222. Maier, E. Y., Ma, S.T., Ahrens, A.M., Schallert, T., Duvauchelle, C.L. (2010). Assessment of ultrasonic vocalizations during drug self-administration in rats. *Journal of Visualized Experiments (JoVE)*: http://www.jove.com/index/details.stp?id=2041

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224. Xiong Y, Mahmood A, Qu CS, Schallert T. Chopp M. (2010) Erythropoietin improves histological and functional outcomes after traumatic brain injury in mice in the absence of the neural erythropoietin receptor. *Journal of Neurotrauma*, 27: 205-215.

225. Kane JR, Ma ST, Ciucci M, Ahrens AM, Schallert T (2011) Fine oro-motor control in a rat model of Parkinson's disease. *Journal of Communication Disorders*, in press.

226. Fleming SM, Schallert T (2011) Comparing behavioral assessment of sensorimotor function in rat and mouse models of Parkinson's disease and stroke. *Neuromethods: Contemporary Animal Models of Movement Disorders*, EL Lane and SB Dunnett (Eds), Springer/Humana Press, Ch 17.

227. Darwish H, Mahmood A, Schallert T, Chopp M, Therrien B (2012) Mild traumatic brain injury (MTBI) leads to spatial learning deficits. *Brain Injury*, 26 (2) 151-165.

228. Maier EY, Abdalla MI, Ahrens AM, Schallert T, Duvauchelle CL (2011) The missing variable: Ultrasonic vocalizations reveal hidden sensitization and tolerance-like effects during long-term cocaine administration. *Psychopharmacology*, in press.

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231. Unger EL, Hurst AR, Georgieff MK, Schallert T, Rao R, Connor JR, Kaciroti N, Lozoff B, Felt B (2011). Behavior and monoamine deficits in pre/perinatal iron deficiency are not corrected by early postnatal moderate or high iron diet in the rat. *J Nutr*. 2011.

232. Khaing ZZ, Geissler SA, Jiang S, Milman BD, Aguilar SV, Schmidt CE, Schallert T (2012) Assessing forelimb function after unilateral cervical spinal cord injury: Novel forelimb tasks predict lesion severity and recovery. *Journal of Neurotrauma*, 29: 488-498.

233. Pienaar IS, Lu B, Schallert T (2012) Closing the gap between clinic and cage: Sensori-motor and non-motor behavioral testing regimes in neurotoxic animal models of Parkinson's disease. *Progress in Neurobiology*, in press

234. Yang H, Chopp M, Schallert T (2011) Functional issues in brain tumor treatment. *Journal of Neurology and Neurophysiology*, in press

235. Bittner GD, Keating CP, Kane JR, Britt JM, Spaeth CS, Fan JD, Zuzek A, Wilcott RW, Thayer WP, Winograd JM, Gonzalez-Lima F, Schallert T (2012) Rapid, effective and long-lasting behavioral recovery produced by microsutures, methylene blue and polyethylene glycol after completely cutting rat sciatic nerves. *Journal of Neuroscience Research*, 90: 967-980.

236. Kozlowski DL, Leasure JL, Schallert T (2012) The control of movement after traumatic head injury. *Handbook of Physiology*, (R Edgerton, editor) in press.

237. Fleming SM, Schallert T, Ciucci MR (2012). Cranial and related sensorimotor impairments in rodent models Parkinson's disease. *Behavioural Brain Research*, doi:10.1016/j.bbr.2012.02.034 in press

238. Rao R, Tkas I, Unger EL, Ennis K, Hurst A, Schallert T, Conner J, Felt BT, Georgieff MK (2012) The iron supplementation dose for perinatal iron deficiency differentially alters the neurochemistry of frontal cortex and hippocampus in adult rats. Pediatric Research, in press

Book Reviews

Schallert, T. (1981). Drugs and the inheritance of behavior, by Broadhurst. *Contemporary Psychology*, 26, 148.

Schallert, T. (1982). Activities Handbook for the Teaching of Psychology, by L. T. Benjamin, & K. D. Lowman. *Contemporary Psychology*, 27, 148.

Invited Talks or Papers Authored/Co-Authored at Professional Meetings
Total invited talks: 200+

Arizona Psychological Association, Phoenix, 1974.
Western Psychological Association, Sacramento, California, 1975.
Canadian Psychological Association, London, Ontario, Canada, 1976.
Canadian Federation Winter Meeting, Calgary, Alberta, Canada, 1977.
Eastern Psychological Association (selected talk), Boston, 1977.
Internatl. Conf. on the Physiol Food and Fluid Intake, Jouy en Josas & Paris, France, 1977.
Canadian Psychological Association, (invited speaker), Victoria, B.C. Canada, 1977.
Canadian Psychological Association, (invited speaker), Ottawa, Canada, 1978.
Midwest Neurobiologists Association, Crafton, Illinois, 1978.
Society for Neuroscience, St. Louis, (4 papers), 1978.
School of Medicine, University of Arizona, Tucson, (invited speaker), 1979.
U.S.A.-U.S.S.R. Symposium: Neural Mechs of Behavior, (invited participant), Irvine, 1978.
Research Forum in Psychology (invited speaker), University of Arizona, 1979.
Society for Neuroscience, Atlanta, 1979.
Regulation and Function of Neural Peptides Symposium, Brescia, Italy, 1979.
Western Psychological Association Honolulu, (invited speaker), 1980.
Society for Neuroscience, Cincinnati, 1980.
Animal Behavior Society, Nashville, 1981.

American Psychological Association (invited speaker), Los Angeles, 1981.
Society for Neuroscience, Los Angeles, (2 papers), 1981.
Society for Neuroscience, Minneapolis, 1982.
International Society for Developmental Psychobiology, Minneapolis, 1982.
American Psychological Association, Anaheim, 1983.
Society for Neuroscience, Boston, (3 papers), 1983.
International Society for Developmental Psychobiology, Cape Cod, 1983.
Winter Conference on Brain Research (invited organizer and speaker), Steamboat Springs, 1984.
Society for Neuroscience, Anaheim, 1984.
Society for Neuroscience, Dallas, 1985.
Research Society on Alcoholism, Philadelphia, 1986.
Society for Neuroscience, Washington, DC, (2 papers), 1986.
Behaviour-Brain Society (invited keynote address), Banff, Alberta, Canada, 1986.
New York Academy of Sciences, New York, (invited speaker), 1986.
Society for Neuroscience, New Orleans, (4 papers), 1987.
Behaviour-Brain Society, Banff, Alberta, Canada, (invited speaker), 1987.
Georgetown University School of Medicine, Washington, DC, (invited speaker), 1987.
National Institutes of Mental Health, Bethesda, MD, (invited speaker), 1987.
Appetite, Thirst, and Related Disorders Symposium, San Antonio, 1987.
Parkinson's Disease Symposium, Maui, Hawaii, 1987.
British Association for Psychopharmacology, Cambridge, England, 1987.
British Neuroscience Association, Edinburgh, Scotland, 1987.
Society for Magnetic Resonance Imaging in Medicine, New York, 1987.
Princeton Conference on Cerebrovascular Diseases, Miami, (invited speaker), 1987.
Behaviour-Brain Society, Whistler, British Columbia, Canada, 1988.
Society for Neuroscience, Toronto, (6 papers), 1988.
Society for Magnetic Resonance Imaging, Frieburg, Germany, 1988.
International Neuropsychological Association, Vancouver, Canada, 1988.
International Society for Developmental Psychobiology, Toronto, 1988.
Neurobiology of Consciousness Conference, Austin, (invited keynote speaker), 1988.
University of Florida, (invited speaker), 1988.
Behaviour-Brain Society, Sunshine Village, Canada, 1989.
Society for Neuroscience, Phoenix, (4 papers), 1989.
University of Texas School of Medicine, Houston, TX, (invited speaker), 1989.
Winter Conference on Brain Research, Snowmass, (workshop organizer), 1990.
ILSI Symposium on Psychobiology of Thirst, Washington, DC, (invited speaker), 1990.
Princeton Conference on Cerebrovascular Diseases, Duke University, (invited speaker), 1990.
Neural Plasticity Symposium, San Diego, 1990.
Baylor School of Medicine, (invited speaker), 1990.
St. David's Hospital, Department of Neuroradiology, (invited speaker), 1990.
Capitol Area Psychological Association, (invited speaker), 1990.
Society for Neuroscience, St. Louis, (3 papers), 1990.
Conference on Animal Welfare in Research, University of Texas, (invited speaker), 1990.
Support Group for Students with Disabilities, University of Texas, (invited speaker), 1990
Texas Parkinson's Disease Society, (invited speaker), 1990.
University of Texas, College of Liberal Arts, (invited speaker), 1990.
Southwest Texas University, Georgetown, (invited speaker), 1991.
Society for Neuroscience, New Orleans, (2 papers), 1991.
American Psychological Association, (invited speaker), 1991
International Symposium on Parkinson's Disease, Tokyo, Japan, 1991.
Winter Conference for Brain Research, Steamboat Springs, 1992.

Society for Neuroscience, Anaheim, (3 papers), 1992.
Neural Basis of Behavior Symposium, Anaheim, (invited speaker), 1992.
University of Michigan, (invited speaker), 1992.
Neural Plasticity & Transplantation Internatl. Conf, Washington, DC, (invited speaker), 1992.
Neurobiology of Learning and Memory, Salt Lake City, (invited speaker), 1993.
University of Louisville School of Medicine, (invited speaker), 1993.
Society for Neuroscience, Washington DC, (3 papers), 1993.
Winter Conference for Brain Research, (invited speaker, 2 talks), 1994.
Austin Neurological Clinic, (invited speaker), 1994.
International Behavioral Neuroscience Society, Clearwater, Florida, 1994.
American Psychological Association, Anaheim, (invited speaker), 1994.
Society for Neuroscience, Miami Beach, (2 papers), 1994.
Neurotrauma Society, Miami, 1994.
Cameron University, (invited speaker), 1994.
American Educational Research Association, 1995.
Neuroplasticity Symposium, Cologne Germany, (invited speaker), 1995.
University of Lethbridge, Canada, (invited speaker), 1995.
University of New Mexico, (invited speaker), 1995.
Winter Conference on Brain Research, Steamboat Springs, 1995.
Society for Neuroscience, San Diego, (2 papers), 1995.
Neurotrauma Society, San Diego, 1995.
University of Rochester School of Medicine, (invited speaker), 1996.
Harvard Medical School, (invited speaker), 1996.
University of Pittsburgh, (invited speaker), 1996.
International Behavioral Neuroscience Society (selected speaker), Cancun, 1996.
Amgen Corporation, Thousand Oaks, California, (invited speaker), 1996.
International Psychological Association, Montreal, (invited speaker), 1996.
Genentech, San Francisco, (invited speaker), 1996.
Society for Neuroscience, Washington, DC, (2 papers), 1996.
MHMR Dual Diagnosis Symposium, Austin, (invited speaker), 1996.
Neurotrauma Society, Washington, DC, 1996.
Cytotherapeutics Biotech Co., Providence, Rhode Island (invited speaker), 1996.
Austin Neuropsychological Society, (invited speaker), 1997.
International Joint Conference on Stroke and Cerebral Circulation, Anaheim, 1997.
Biomedical Engineering Symposium, (invited speaker, 2 talks), Houston, 1997.
Neural Reorganiz Sympos, Texas Phys Therapy Assoc, San Antonio, (invited speaker), 1997.
Neurotrauma Society, New Orleans, (invited speaker), 1997.
Neurotrauma Society, New Orleans, (2 papers), 1997.
Neuroscience Society Meeting, New Orleans, (2 papers), 1997.
University of Texas, School of Medicine, Houston, (invited speaker), 1997.
Symposium: Improving Biomedical Teaching for Universities, Austin, (invited speaker) 1997.
Institute of Alcohol and Drug Studies, Austin, (invited speaker), 1997.
University of Texas Health Science Center, San Antonio, (invited speaker), 1997.
University of Toronto, (invited speaker), 1997.
Vanderbilt University, (invited speaker), 1997.
SUNY Buffalo, (invited speaker), 1997.
University of New Mexico, (invited speaker), 1997.
Civitan, Corpus Christi, (invited speaker), 1997.
Western Regional Medical Conference, Carmel, CA, 1998.
Winter Conference of Brain Research, (2 talks) 1998.
Hahneman University School of Medicine, Philadelphia (invited speaker), 1998.

University of Pittsburgh (invited speaker), 1998.
Internatl Joint Conf on Stroke and Cerebral Circulation, Orlando (invited speaker), 1998.
Amer Acad Neurol: Motor Therapies & Cortical Reorganiz, Minneapolis (invited speaker), 1998.
Princeton Conference on Cerebrovascular Disorders, St. Louis (invited speaker), 1998.
Bristol-Myers, Connecticut (invited speaker), 1998.
Yale University School of Medicine (invited speaker), 1998.
Physical Therapy in Neurological Disorders Symposium, Houston (invited speaker), 1998.
American Heart Association of Texas Stroke Conference (invited speaker), 1998.
International Behavioral Neuroscience Society, Richmond, 1998
American Society for Gene Therapy, 1998.
NIH Animal Models Strain Considerations Symposium (invited participant), 1998
UT San Antonio Life Sciences (invited speaker), 1998
Eli Lilly Pharmaceutical Company (invited speaker), Indianapolis, 1998.
University of Miami and Miami Project to Cure Paralysis (invited speaker), 1998
Society for Neuroscience, Los Angeles (4 abstracts), 1998
Neurotrauma Society, Los Angeles, 1998.
University of Michigan, Center for Human Growth and Development (invited speaker), 1998.
Conf. on Neural Transplantation, Gene Therapy & Progenitor Cell Biology, Cambridge, 1998
Northwestern Drug Development symposium, 1998.
University of California at Los Angeles (invited speaker), 1998
ASNTR (Neural Transplantation) meeting, 1999
8th International Workshop or Ataxia Telangiectasia (invited participant), Las Vegas, 1999
Stroke Drug Development Conference (invited speaker), Orlando, 1999
University of Florida, Neuroscience (invited speaker), 1999.
Drug Abuse Workshop, United Auto Workers Counselors (invited speaker), Orlando, 1999.
Univ. of Kansas Medical Center, Kansas City (invited speaker), 1999
American Society for Neural Transplantation and Repair Meeting, 1999.
American Society for Gene Therapy, 1999.
University of Michigan, Dept. of Psychology, (invited speaker) 1999
American Academy of Neurology (student Bland invited to speak), Toronto, 1999.
Sigma Xi, Austin, TX (invited keynote speaker), 1999.
Biennial Koupio Symposium on Ischaemic Stroke (invited speaker), Kuopio, Finland, 1999
University of Lund, Sweden (invited speaker), 1999
Heinrich Heine University of Duesseldorf, Germany, Dept of Neurology (invited speaker), 1999.
University of Cologne School of Medicine, Germany, (invited speaker), 1999.
Internat Assoc Science-Technology Centers (invited Distinguished APA speaker), Tampa, 1999.
Society for Neuroscience, Miami (4 abstracts), 1999.
Preclinical Research/Stroke Workshop (invited faculty member), Boston, 1999.
Vanderbilt University, Molecular Biology Program (invited speaker), Nashville, 1999
8th International Syposium on Neural Regeneration, Pacific Grove, California, 1999
American Society for Neurochemistry, Gainesville, FL, 1999
American Society for Neurochemistry, Chicago, 2000
Ischemic stroke and plasticity conference (invited speaker), Kananaskis/Calgary, Canada, 2000.
University of Muenster (invited speaker), Muenster, Germany, 2000.
Internat. Sym. Pharmacology of Cerebral Ischemia (invited speaker) Marburg, Germany, 2000.
Internatl. Conf. Methods & Techniques in Behavioral Res., Nijmegen, The Netherlands, 2000
Neurosurgery Lab Conferences, Univ. Michigan School of Medicine (invited speaker), 2000.
Neurotrauma Society (invited session chair), New Orleans, 2000.
Society for Neuroscience (4 papers), New Orleans, 2000.
Internatl. Forum on Plasticity and Neurorehab (invited keynote speaker), Berlin, Germany, 2000.
Asia Pacific Neural Regeneration Symposium (invited speaker), Xian, China, 2000.

Northwestern Univ. Med Sch, Children's Memorial Inst. Educ. & Res. (invited speaker), 2000
Lund University (invited speaker), Lund, Sweden, 2001
Canadian Brain-Behaviour Conference (invited speaker), Fernie, B.C, Canada, 2001.
Concordia University (invited speaker), Montreal, Canada, 2001.
University of Michigan, Neuroscience Program, (invited speaker), 2001
Stanford University School of Medicine (invited speaker), 2001
SUNY Binghamton (invited speaker), 2001
Johns Hopkins University (invited speaker), 2001
NINDS (invited workshop participant), Washington D.C. 2001
University of Pittsburgh (invited speaker), 2001.
Karolinska Institute, Pediatric Neurology (invited speaker), Stockholm, Sweden, 2001
Canadian Stroke Network Symposium (invited participant), Ottowa,, 2001.
University of Lethbridge, Neuroscience (invited speaker), Alberta, Canada, 2001
NINDS Roundtable on stroke (invited participant, co-chair of session), Colorado, July, 2001
Stanford University Medical School (invited speaker, 2nd talk for 2001), Palo Alto, 2001
Medical College of Pennsylvania Hahnemann, Philadelphia (invited speaker), 2001.
Stroke Research Workshop (invited faculty member and organizer), Kuopio, Finland, 2001
Biannual Symposium on Cerebral Ischemia (invited chair and speaker), Kuopio, Finland, 2001.
Stroke Motor Recovery, Rehab & Plasticity Symposium (invited speaker), Chicago, 2001.
Symposium:Complexity & Emerging Motor Behavior (invited speaker), Univ. Michigan, 2001.
Pfizer Pharmaceutical Company (invited speaker), Ann Arbor, Michigan, 2001
Society for Neuroscience Meeting (5 abstracts), San Diego, 2001
3rd Magdeburg Symp. on Neuroprotection, Neurorepair. Magdeburg (2 abstracts), Germany, 2002
International Stroke Conference (paper invited for presentation), San Antonio, 2002.
Canadian workshop, developing optimal models for stroke recovery (invited speaker), Ottowa, 2002
Winter Symposium on Neuroplasticity, Moorea, Tahiti Islands (invited speaker), 2002
Keystone Stroke Research Symposium (invited speaker), Taos, NM, 2002.
Green Honors Lecture (invited speaker, 2 talks) Texas Christian University, Dallas, 2002
Wake Forest University (invited lecture, 2002)
University of North Carolina (invited lab presentation, 2002)
Penn State Univ Sch Med., Pediatric Neural Rehab. Symposium, Hershey (invited speaker), 2002
Univ. Kansas medical school, Stroke Recovery and Plasticity Symposium (invited speaker), 2002
Purdue University & Univ. Michigan symposium on brain development (invited speaker) 2002.
University of California, Irvine (invited speaker), 2002
Internatl Symp on Pharmacol Cerebral Ischemia (invited speaker), Marburg, Germany, 2002.
Workshop on neurological assessment after brain injury (invited speaker), Jena, Germany, 2002.
Amgen, Thousand Oaks (invited speaker), 2002
Johns Hopkins School of Medicine (invited speaker), 2002.
International Neurotrauma Society, (invited speaker) Tampa, 2002.
Society for Neuroscience (7 abstracts), Orlando, 2002
Stroke Res. Symposium, Brain & Spine Center Brackenridge Hosp (invited speaker) Austin, 2002.
UCLA (invited speaker), 2002
Drexel University School of Medicine (invited speaker), Philadelphia, 2003.
NINDS Stroke Progress Review Group Meeting (invited participant), 2003
Winter Conference on Brain Research, Snowbird, Utah (2 panels accepted) 2003
Univ. Pennsylvania (invited speaker) 2003
Dept. of Music, Univ Texas (invited speaker) 2003
University of Colorado, Boulder, Depts of Kinesiology & Physiology (invited speaker), 2003
Texas A&M University (invited speaker) 2003
Symp. Translational Res. Spinal Cord Injury, Univ.Miami Sch. Medicine (invited speaker), 2003
UCSF (invited speaker), San Francisco 2003

Pediatric Academic Societies Meeting, Seattle (2 abstracts), 2003
AANS (1 abstract), St. Louis, 2003
Brain 03 Meeting, Calgary Alberta, Canada, 2003.
Intracranial Pressure Meeting, Hong Kong, China, 2003
Oxford University (invited speaker), Gordon Conference on Catecholamines 2003
Cardiff University, Wales (invited speaker), 2003
Department of Psychology, University of Texas at Austin, invited speaker, 2004
Society for Neuroscience, New Orleans (5 abstracts), 2003
Schering Pharmaceutical Co., (invited speaker), Berlin, 2003.
APTA Combined Sections Meeting - Nashville (invited speaker) 2004
Plasticity & Repair in Neurodegen. Disorders (invited speaker), Lake Arrowhead, CA, 2004
Dept of Kinesiology, UT Austin (invited speaker), 2004
Medical School, UTMB Galveston (invited speaker), 2004
24th Princeton Conf. Cerebrovascular Disease (invited participant) Baltimore, 2004
Psychology Department (invited speaker for special lecture series), UT Austin, 2004
University of Lethbridge, Alberta, Canada (invited speaker), 2004.
Behavioral Testing Workshop for Neuroscience (invited faculty member) Jena, Germany, 2004
Friedrich Schiller University, Germany (keynote speaker), 2004
University of Chicago (invited speaker), 2004
Society for Neuroscience, San Diego (4 presentations/abstracts), 2004.
NIDA Brain resiliency and repair symposium, III Step (invited speaker), Bethesda, MD, 2004
Brain and Spine Center, Austin (invited speaker), 2004
Pediatric Academic Societies Meeting, San Francisco, May, 2004
Midwest Society for Pediatric Research, 2004
University of Florida, Neuroscience Dept. (invited speaker), Jan. 2005
Neurorehabilitation Neuroplasticity Symposium (invited Plenary Speaker), Salt Lake City, 2005.
Univ. South Africa (invited speaker and hands-on research workshop faculty), Cape Town, 2005
Univ. Chicago Medical School, Rosalin Franklin University (invited speaker), 2005
Wayne State Univ. Del Harder, Mich Rehab Inst. Neuroplast. symposium, (keynote speaker) 2005.
Plenary Speaker: American Psychological Society, Washington D.C., 2005.
Medical School at Univ. Texas San Antonio (invited speaker, 2005)
UCLA Neurotrauma Symposium, Ojai Ventura (invited speaker) 2005
UCSF Medical School (invited speaker), 2005
Society for Neuroscience Annual Meeting, Washington D.C. (5 presentations), 2005
Aging Conference, Marbella, Spain (invited speaker), 2005
Cognitive Science, UT Austin (invited seminar), 2005
Speech Pathology and Rehabilitation Conference Austin, TX (plenary speaker), 2006
World Parkinson Congress, 2006
University of Houston Pharmacology Dept (invited speaker), 2006
Conference on Preclinical Neuroprotection in Parkinson's disease (invited speaker), Berlin, 2006
European Behavioural Pharmacology Society. (invited speaker), Krakow, Poland, 2006
Loma Linda University, Pharmacology Dept (invited speaker) 2006
Dept of Toxicology and Pharmacology, UT (invited speaker), 2006
MaxNet Aging Conference, Charlottesville, VA (invited speaker) 2006
International Neurotrauma Society, St Louis (invited speaker), 2006
Neurodegeneration: Animal Models Workshop (invited speaker), Taormina, Sicily, 2006
Society for Neuroscience (5 posters), Atlanta, 2006
Univ. Cincinnati College of Medicine and Neuroscience Institute, Cincinnati, Ohio, 2006
Symposium on brain repair (invited speaker), Rutgers Univ Medical School, 2007
Winter Conf on Neuroplasticity, Moorea, Tahiti, 2007

University of Cincinnati (invited speaker), 2007
Symposium on novel models of Parkinson's disease (invited speaker), LIMPE, Sardinia, Italy 2007
Basal ganglia symposium (invited speaker), The Netherlands, 2007
Canadian Behavioural Brain Conference, Fernie, B.C., 2007.
University of Florida (invited talk), 2007
Dept of Communications, Univ. Texas (invited talk), 2007
University of Texas, Institute for Neuroscience, 2007
University of Minnesota (invited talk), 2007
Oregon Health & Science University, School of Medicine, Portland (invited talk), 2007
Univ. Texas San Antonio medical school (invited talk), 2007
Intracerebral Hemorrhage Meeting, Shanghai, 2007
Univ. North Texas Health Science Center (invited speaker), 2007
American Heart Association, New Orleans, 2008
Wyeth Pharmaceutical Co., Princeton, NJ (invited talk), 2007
Neurorehabilitation Functional Electrical Stimulation Conf., Philadelphia (keynote speaker), 2007.
Conference on Motor Speech, March 6-9, 2008, Monterey, California, 2007
Symposium on Parkinson's disease, Amsterdam, 2008.
Winter Conference on Neuroplasticity, St. Lucia, selected panel talk 2008
Winter Conference on Brain Research, Snowbird, Utah, selected panel talk, 2008
Congress of Neurological Surgeons, Orlando, presentation, 2008
University of Cincinnati, School of Medicine (invited talk), 2008
Kuopio University, Finland (invited speaker), 2008
Workshop Behavioral Tests, Live Models for Exper Neurol (invited faculty), Kuopio Finland 2008
Frontiers of Neuroscience symposium, UT and Brackenridge (invited speaker), 2008
APNRR meeting (invited speaker), Las Vegas, 2008
UT Student Health Advisory Committee panel on study drugs, UT (invited panel speaker), 2008
Scientists Center for Animal Welfare (SCAW) Conference (invited speaker), San Antonio, 2008
American Speech-Language-Hearing Association, Chicago, 2008
Brenda Milner Lecture, Canadian Centre for Behav-Brain (invited speaker), Lethbridge, 2009
Cerebral Blood Flow Brain 09 conference (invited speaker), Chicago, 2009
Univ Texas Alumni Association (invited talk), 2009
American Academy of Physical Medicine and Rehabilitation (invited speaker) Austin, 2009
Parkinson's and Related Disorders Conference (invited speaker), Miami, 2009
International Stroke Conference. American Heart Assoc., San Diego, 2009
Mission Connect Conference on Spinal Injury, Houston, 2009
Pediatrics Academic Societies Meeting, Vancouver Canada, 2010
Intracerebral Hemorrage Symposium, Shanghai, 2010
UT El Paso (invited speaker), 2010
Neuroplasticity Symposium (invited speaker) Lethbridge, Alberta, Canada, 2010
Sanford-Burnham Institute, (invited speaker), La Jolla, CA, 2010
Burke Institute (invited speaker), White Planes NY, 2010
SICB Meeting, presentation, 2011
American Speech and Hearing Assoc (invited speaker), 2010
Society for Neuroscience (4 presentations), 2010
Canadian Behavioural Brain Conference, Fernie, BC (invited keynote speaker), 2011
University of Illinois at Champaign-Urbana (invited speaker) 2011
Texas A & M Neuroscience Symposium, (invited Keynote speaker), 2011
Lakeway speaker series (invited talk), 2011
Dean's Scholars (invited talk), UT, 2011
Accorda Biotech, New York, NY, (invited speaker) 2011

Society for Neuroscience, Washington DC, Satellite Symposium (invited speaker) 2011
Society for Neuroscience, Washington DC, 3 posters, 2011
University of Kentucky, Neuroscience Symposium (invited keynote speaker), 2012
Pediatric Academic Societies/Eastern Society Pediatric Research Annual Meeting, talk 2011
Pediatric Academic Societies' Annual Meeting, Boston 2012

Number of published abstracts: 250+

Professional Organizations and Service

American Psychological Association, (***Fellow*,** Divisions 6 and 28)
Association for Psychological Science, (***Fellow***)
International Behavioral Neuroscience Society, (***Fellow***, and charter member)
Society for Neuroscience
International Society for Developmental Psychobiology
Behavioral and Brain Sciences Association
International Society for Brain Research
Behaviour - Brain Society, (founding member)
Society for Study of Ingestive Behavior, (charter member)
International Brain Research Organization
Research Society on Alcoholism
Federation of Behavioral, Psychological and Cognitive Sciences
Neurotrauma Society
AALAC
Women in Neurotrauma (dues help support travel expenses for graduate student women)

APA Committees:
-C.A.R.E., Div. 6 Executive, Membership, New Fellows (chair).
Other:
-Program Committee, Society for Neuroscience, 2007-2012
-Scientific Board, Canadian Heart and Stroke Foundation Centre for Stroke Recovery
-Scientific Board, Davis Finney Foundation for Parkinson's disease
-Addiction Science for Nonscientists (one of 5 workshop speakers for NIAAA funded service to clinicians and the public)
-NINDS Stroke Research Review Section, to prioritize a national stroke research agenda 2002
-Canadian Stroke Network, member of Canadian stroke research development group.
-Statement Contributor to "Recommendations for standards regarding preclinical neuroprotective and restorative drug development", Stroke Therapy Academic Industry Roundtable (STAIR) *Stroke*, 1999, 30: 2752-2758
-American Psychological Society's William James Award Committee, 2002-2005.
-Second Beijing International Stroke Forum Advisory Committee (2002-2003).
-Mentor for Young Research Fellow, WCBR, 2004.
- Community Fair for St. John's community, diversity UT Projects, volunteer presentation 2010
- Casis Elementary School, Brain Function presentation to second graders

Editorial Board for Professional Journals

*Behavioural Brain Research**
*Neural Plasticity**
*International Journal of Developmental Neuroscience**

*Journal of Neurotrauma**
*Restorative Neurology & Neuroscience**
Neurorehabilitation and Neural Repair
*Translational Stroke Research**
*current

Reviewer for Journals and Grants

Journal of Neuroscience
Behavioral Neuroscience
Behavioral and Brain Science
Behavioral and Neural Biology
Behavioural Brain Research
Brain Research
Brain Research Bulletin
Experimental Neurology
Life Sciences
Restor. Neurol Neuroscience
Neuroscience International Journal
Neural Plasticity
J. Applied Social Psych
J.Cerebral Blood Flow Metabolism
Stroke
Neurorehabilitation & Neural Repair
J. Neuroscience Methods
Neurosci & Biobehavioral Reviews
Developmental Neuroscience
Brain
J. Motor Behavior
J. Neurosci Meth
J. Neurotrauma
Behavioural Pharmacology
Child Nervous System
Int. J. Environ. Res. Public Health
PLoS One
Brain Research
Physiology and Behavior
Psychobiology
Psychopharmacology
Science
Contemporary Psychology
Canadian Journal of Psychology
Behavior Genetics
Pharmacology, Biochemistry, & Behavior
European Journal of Neuroscience
Site Visit Team Member for NIH
Private foundation grants, various; MJ Fox Found.
NIH, NSF, NMRC (Singapore), UK, Canadian grants
NINDS intramural program reviewer, Davis Phinney
Neuroscience
Molecular Brain Research
J. Comparative Neurology
J.Pharm Exper Therapeutics
Pediatric Research
J. Neuroscience Research
American Heart Association grant reviews
Annals of Neurology
Internat J. Develop Neuroscience
Neurorehab & Brain Repair
Nature Protocols
PLoS
Exp Tranlat Stroke Res Med
Biol Sex Differences

Department and University Service (present and historical)

Psychology Department (Univ.Texas)
Associate Chairman: Department of Psychology (9 years, 1985-1994)
Area Head: Behavioral Neuroscience (1994-1998)
Departmental Committees: External Relations, Executive, Budget Council, TA, Subject Pool, Space, Chair- Affirmative Action Committee, Promotion Committees, Junior Faculty Review Committees chair); Teaching Credits Committee, Teaching awards Committee, Faculty Search Committees, Salary Committee

University (Univ. Texas)
Graduate Adviser for Neuroscience Ph.D. program (1996-2001)
Institute for Neuroscience Committees: Seminar, Executive, Admissions, Progressions, Graduate. Student Development, Fundraising, By-laws and Policy Committees

Plan II Honors Students Advisor
I.A.C.U.C. (Animal Care)
Center for Learning and Memory, Search Committee
Dell Pediatric Center, Director Search Committee
Director, UT Brain Pathology Collection (brains from over 200 neurological and psychiatric patients), photo images included in a research publication and 3 times in *Scientific American*.
Faculty Senate & University Council
Recreation Sports Committee
Animal Care and Facilities Committee
Molecular Biology Building - ARC Annex Committee
UT Addiction Science Research and Education Center (Faculty)
Faculty ad hoc Committee on Teaching-Research Balance
Center for Learning and Memory Search Committee
Faculty Salaries Committee
Ad hoc Committee to Examine Sponsored Projects and Indirect Costs
Safety Committee
Closing Remarks, Inst. Neuroscience Annual Symposium
Search Committee for Director of the Dell Pediatric Research Institute
Academy of Distinguished Teachers

University of Michigan
Director, Brain & Behavior Program, Center for Human Growth and Development,
Univ. Michigan Undergraduate Life Sciences Initiative Course Proposal Review Committee