

CURRICULUM VITAE
University of South Florida

Mark S. Kindy, Ph.D.

01/01/2020

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

- 2015-present Professor, Department of Pharmaceutical Sciences, College of Pharmacy, University of South Florida, Tampa, FL
- 2015-present Associate Dean for Research, College of Pharmacy, University of South Florida, Tampa, FL
- 2015-present Senior Research Career Scientist, James A. Haley VAMC, Tampa, FL
- 2016-present Adjunct Professor, Departments of Neurology, Molecular Medicine, Molecular Pharmacology and Physiology, Pathology and Cell Biology, College of Medicine, USF, Tampa, FL
- 2016-present Staff Scientist, Shriners Hospital for Children, Tampa, FL
- 2017-present Collaborating Member, Moffitt Cancer Center, Tampa, FL

Personal Data

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Education and Training

- Undergraduate
1976-1980 B.S., Zoology, University of Massachusetts, Amherst, MA
- Doctoral/graduate
1982-1987 Ph.D., Biochemistry, Boston University School of Medicine, Boston, MA
- Postdoctoral
1987-1989 Postdoctoral Fellow, Molecular Biology and Virology, Salk Institute, La Jolla, CA (Dr. Inder Verma, Mentor)

Professional Experience

- | Date | Position, Institution/City |
|--------------|---|
| 1980-1982 | Research Technician, Children's Hospital, Harvard Medical School, Boston, MA |
| 1989-1994 | Assistant Professor, Department of Biochemistry, University of Kentucky College of Medicine, Lexington, KY |
| 1993-2002 | WOC Appointment, Lexington VAMC, Lexington, KY |
| 1994-2002 | Associate Professor with tenure, Department of Biochemistry, University of Kentucky College of Medicine, Lexington, KY |
| 2002 | Professor, Department of Biochemistry, University of Kentucky College of Medicine, Lexington, KY |
| 2002 | Research Scientist, Lexington VAMC, Lexington, KY |
| 2002-2015 | Professor, Department of Neurosciences (with tenure), Admiral Pihl Endowed Chair (2002-2013), Adjunct Professor, Biochemistry and Molecular Biology, Medical University of South Carolina, Charleston, SC |
| 2002-2003 | Research Health Scientist, Ralph H. Johnson VA Medical Center, Charleston, South Carolina |
| 2003-2013 | Research Career Scientist, Ralph H. Johnson VA Medical Center, Charleston, South Carolina |
| 2004-present | Adjunct Professor, Department of Neurobiology, Shandong University, Jinan, China |
| 2005-present | Adjunct Professor, Department of Bioengineering, Clemson University, Clemson, SC |
| 2005-present | Adjunct Professor, Department of Chemical Engineering, University of South Carolina, Columbia, SC |
| 2005-present | Adjunct Professor, Queensland Brain Institute, University of Queensland, Brisbane, Australia |

- 2010-present Adjunct Professor, Department of Management and Entrepreneurship, School of Business, College of Charleston, Charleston, SC
- 2010-present Affiliate Scientist, Greenwood Genetics Center, Greenwood, SC
- 2011-present Affiliate Scientist, Neuroscience Division, Oregon National Primate Research Center, Portland, OR
- 2012-2014 Dual appointment as Professor in the Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina, Charleston, SC
- 2013-2015 Senior Research Career Scientist, Ralph H. Johnson VA Medical Center, Charleston, SC
- 2013-present Adjunct Professor, Department of Chemistry and Biochemistry, School of Science and Mathematics, College of Charleston, Charleston, SC
- 2013-present Adjunct Professor, Department of Biomedical Sciences, College of Engineering, University of South Carolina, Columbia, SC
- 2014-2015 Primary appointment in Department of Regenerative Medicine and Cell Biology, secondary appointment in Neurosciences, Medical University of South Carolina, Charleston, SC
- 2014-present Adjunct Professor, Center for Environmental NanoScience & Risk, University of South Carolina, Columbia, SC
- 2015-present Adjunct Appointment, Department of Neurology, Division of Translational Research and Population Biology, MUSC, Charleston, SC
- 2015-present Primary Appointment, Professor with tenure, Department of Pharmaceutical Sciences, College of Pharmacy, University of South Florida, Tampa, FL
- 2015-present Secondary Appointment, Department of Neurology, Morsani College of Medicine, University of South Florida, Tampa, FL
- 2015-present Senior Research Career Scientist, James Haley VA Medical Center, Tampa, FL
- 2016-present Adjunct Appointments: Molecular Medicine, Molecular Pharmacology and Physiology, Pathology and Cell Biology, Psychiatry and Behavioral Sciences
- 2017-present Adjunct Appointment, Moffitt Cancer Center, Tampa, FL
- 2018-present Director, Botanical Medicine Research and Education Center, USF, Tampa, FL
- 2018-present Adjunct Appointment, Johns Hopkins University/All Children's Hospital, Tampa, FL

PUBLICATIONS:

Acknowledgments [AK]

1. Vito, C.C., Fox, T.O. Androgen and estrogen receptors in embryonic and neonatal rat brain. *Brain Res.* 1981;254(1):97-110.
2. Rauch, H. Toxic milk, a new mutation affecting cooper metabolism in the mouse. *J Hered.* 1983;74(3):141-4.
3. Vito, C.C., DeBold, J.F., Fox, T.O. Androgen and estrogen receptors in adult hamster brain. *Brain Res.* 1983;264(1):132-7.
4. Fox, T.O., Blank, D., Politch, J.A. Residual androgen binding in testicular feminization (TFM). *J Steroid Biochem.* 1983;19(1B):577-81.
5. Siegel LI, Fox TO. Estrogen receptors in the wobbler mouse. *Life Sci.* 1985;37(23):2151-6.
6. Vito, C.C., Baum, M.J., Bloom, C., Fox, T.O. Androgen and estrogen receptors in perinatal ferret brain. *J Neurosci.* 1985;5(2):268-74.

Original Research [OR]

1. Stepp, M.A., **Kindy, M.S.**, Franzblau, C. and Sonenshein, G.E. (1986) Cloning of type III collagen and expression in aortic smooth muscle cells. *Annals N.Y. Acad. Sci.* 460:510-513.
2. Stepp, M.A., **Kindy, M.S.**, Franzblau, C. and Sonenshein, G.E. (1986) Complex regulation of collagen gene expression in cultured bovine aortic smooth muscle cells. *J. Biol. Chem.* 261:6542-6548.
3. Dean, M., Levine, R.A., Ran, W., **Kindy, M.S.**, Sonenshein, G.E. and Campisi, J. (1986) Regulation of c-myc transcription and mRNA abundance by serum growth factors and cell contact. *J. Biol. Chem.* 261:9161-9166.
4. **Kindy, M.S.** and Sonenshein, G.E. (1986) Regulation of oncogene expression in cultured aortic smooth muscle cells: Post-transcriptional control of c-myc mRNA. *J. Biol. Chem.* 261:12865-12868.
5. **Kindy, M.S.**, McCormack, J.E., Buckler, A.J., Levine, R.A. and Sonenshein, G.E. (1987) Independent regulation of transcription of the two strands of the c-myc gene. *Mol. Cell. Biol.* 7:2857-2862.
6. **Kindy, M.S.**, Chang, C.J. and Sonenshein, G.E. (1988) Serum deprivation of vascular smooth muscle cells enhances collagen gene expression. *J. Biol. Chem.* 263:11426-11430.
7. Glenney, J.R., Kindy, M.S. and Zokas, L.M. (1989) Isolation of a novel Ca⁺⁺-binding protein with sequence similarity to s-100 but having a distinct tissue distribution. *J. Cell Biol.* 108:569-578.
8. Reilly, C.F., **Kindy, M.S.**, Brown, K.E., Rosenberg, R.D and Sonenshein, G.E.. (1989) Heparin prevents vascular smooth muscle cell progression through the G1 phase of the cell cycle. *J. Biol. Chem.* 264:6990-6995.

9. **Kindy, M.S.** and Verma, I.M. (1990) Developmental expression of the *xenopus laevis* c-fos protooncogene. *Cell Growth & Differentiation*, 1:27-37.
10. Dempsey, R.J., Carney, J.M. and **Kindy, M.S.** (1990) Inducible ornithine decarboxylase expression in brain subject to vasogenic edema after transient ischemia: relationship to c-fos gene expression. *Acta Neurochir. Suppl. Wien.* 51:189-191.
11. **Kindy, M.S.** Carney, J.P., Dempsey, R.J. and Carney, J.M. (1991) Ischemic induction of protooncogene expression in the gerbil brain. *J. Molec. Neurosci.* 2:217-228
12. Mann, J.S., **Kindy, M.S.**, Edwards, D.R., and Curry, T.E. Jr. (1991) Hormonal regulation of matrix metalloproteinase inhibitors in rat granulosa cells and ovaries. *Endocrinology.* 128:1825-1832.
13. Carney, J.M., Carney, J.P., Tolliver, B. and **Kindy, M.S.** (1991) Selective effects of methamphetamine on mRNA expression and behavior in gerbils. *J. Neuropharm.* 30:1011-1019.
14. **Kindy, M.S.**, Brown, K.E., and Sonenshein, G.E. (1991) Regulation of expression of the growth state-related genes 2F1 and 2A9 during entry of quiescent smooth muscle cells into the cell cycle. *J. Cell. Biochem.* 46:345-350.
15. **Kindy, M.S.**, Srivatsan, M. and Peretz, B. (1991) Age-related differential expression of neuropeptide mRNAs in Aplysia. *Neuroreport.* 2:465-468.
16. Dempsey, R.J., Carney, J.M., **Kindy, M.S.** (1991) Modulation of Ornithine Decarboxylase mRNA Following Transient Ischemia in the Gerbil Brain. *J. Cerebral Blood Flow Metabolism.* 11:979-985.
17. Materre, W.F., **Kindy, M.S.**, Carney, J.M., Landrum, R.W., Strodel, M.D. (1991) Induction of the protooncogene c-fos and recovery of cytosolic ATP in reperfused liver after transient warm ischemia; effect of nitron free-radical spin-trap agents. *Surgery.* 110:184-191.
18. Osborne, J.G., **Kindy, M.S.**, and Hauser, K.F. (1991) Proenkephalin mRNA expression in developing rat cerebellar cortex: expression levels coincide with maturational gradients in purkinje cells. *Developmental Brain Res.* 63:63-70.
19. Combs, D., Dempsey, R.J., Donaldson, D., and **Kindy, M.S.** (1992) Hyperglycemia suppresses c-fos mRNA expression following transient cerebral ischemia in gerbils. *J. Cerebral Blood Flow and Metabolism.* 12:169-172.
20. Bhat, N., Hauser, K.F., **Kindy, M.S.** (1992) Cell proliferation and protooncogenes c-fos and c-jun induction in oligodendroglial progenitor cells. *J. Neurosci. Res.* 32:340-349.
21. Brown, K., **Kindy, M.S.**, and Sonenshein, G.E. (1992) Cell cycle regulation of the c-myc protooncogene in calf smooth muscle cells. *J. Biol. Chem.* 267:4625-4630.
22. **Kindy, M.S.**, Bhat, A., and Bhat, N. (1992) Transient ischemia increases glial fibrillary acid protein and vimentin gene expression in the gerbil neocortex, striatum and hippocampus. *Mol. Brain Res.* 13:199-206.
23. Heistand, D., Haley, B., and **Kindy, M.** (1992) Phosphorylation changes following transient ischemia in the gerbil brain. *J. Neurol. Sci.* 113:31-37.
24. Heistand, D. and **Kindy, M.S.** (1992) Calcium/calmodulin dependent protein kinase II mRNA in the gerbil brain after cerebral ischemia. *Neurosci. Lett.* 144:75-78.
25. Campos-Gonzales, R., and **Kindy, M.S.** (1992) Tyrosine phosphorylation of MAP kinase after transient ischemia in the gerbil brain. *J. Neurochem.* 59:1955-1958.
26. Fantì, P., **Kindy, M.**, Mohapatra, S., Klein, J., Colombo, G., Malluche, H. (1992) Dose-dependent effects of aluminum on osteocalcin synthesis in osteoblastic like Ros 17/2 cells in culture. *Amer. J. Phys. Endo. Metab. Am. J. Phys.* 263:E1113-E1118.
27. **Kindy, M.S.** (1993) Inhibition of tyrosine phosphorylation prevents delayed neuronal death following cerebral ischemia. *J. Cerebral Blood Flow Metabol.* 13:372-377.
28. Mann, J.S., **Kindy, M.S.**, Hyde, J.F., Clark, M.R., and Curry, T.E. (1993) Role of protein synthesis, prostaglandins, and estrogen in rat ovarian metalloproteinase inhibitor production. *Biol. of Reprod.* 48:1006-1013.
29. Witkowski, A., Daunert, S., **Kindy, M.S.**, Bachas, L. (1993) Enzyme-linked immunosorbent assay for an octapeptide based on a genetically engineered fusion protein. *Anal. Chem.* 65:1147-1151.
30. de Beer, M.C., de Beer, F.C., McCubbin, W.D., Kay, C.M., and **Kindy, M.S.** (1993) Structural prerequisites for amyloid fibril formation: A novel mouse model. *J. Biol. Chem.* 268:20606-20612.
31. Osborne, J.G., **Kindy, M.S.**, Spruce, B.A., and Hauser, K.F. (1993) Ontogeny of proenkephalin mRNA and enkephalin peptide expression in the cerebellar cortex of the rat: Spatial and temporal patterns of expression follow maturational gradients in the external granular layer and in Purkinje cells. *Develop. Neurobiology.* 76:1-12.
32. De Beer, M., **Kindy, M.S.**, Lane, W.S., and de Beer, F.C. (1994) Structure and expression of the mouse serum amyloid A5 gene. *J. Biol. Chem.* 269:4661-4667.
33. **Kindy, M.S.**, Hu, Y., Dempsey, R.J. (1994) Blockade of ornithine decarboxylase enzyme protects against ischemic brain damage. *J. Cereb. Blood Flow Metab.* 14:1040-1045.
34. **Kindy, M.S.** (1994) Inhibition of the NMDA receptor using antisense oligonucleotides prevents delayed neuronal death in cerebral ischemia. *Neurosci. Res. Commun.* 14:175-183.
35. Garner, L.K., Mendelson, M., Albers, K.M., **Kindy, M.S.**, and Davis, B.M. (1994) The effects of activity on enkephalin and substance P mRNA in the developing chick spinal cord. *J. Comp. Neurol.* 347:36-46.

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37. De Beer, M.C., Yuan, T., **Kindy, M.S.**, Roheim, P.S., Asztalos, B.F., and DeBeer, F.C. (1995) Characterization of Constitutive Human Serum Amyloid A Protein (SAA4) as an Apolipoprotein. *J. Lipid Res.* 36:526-534.
38. Banka, C., Curtiss, L., Black, A., DeBeer, M.C., **Kindy, M.S.**, and DeBeer, F.C. (1995) Serum Amyloid A Protein: Influence on HDL Mediates Cholesterol Efflux. *J. Lipid Res.* 36:1058-1065.
39. **Kindy, M.S.**, King, A.R., Perry, G., de Beer, M.C., de Beer, F.C. (1995) Association of Apolipoprotein E with murine AA amyloid. *Lab. Invest.* 73:469-475.
40. **Kindy, M.S.**, de Beer, F.C., Marksbery, W.R., Pras, M., Pras, E., Kastner, D., Kyle, R., Skinner, M., Solomon, A., Woo, P. (1995) Apolipoprotein E isotypes in systemic amyloidoses. *Amyloid*. 2:159-162.
41. Holtz, M.L., **Kindy, M.S.**, Craddock, S., Moore, R.W., Pettigrew, L.C. Induction of PGH synthase and c-fos mRNA during early reperfusion of ischemic rat brain. (1996) *Mol. Brain Research*, 35:339-343.
42. De Beer, M.C., de Beer, F.C., Gerardot, C.J., Cecil, D.R., Webb, N.R., Goodson, M.L., **Kindy, M.S.** Structure of the mouse Saa4 gene and its linkage to the serum amyloid A gene family. *Genomics* (1996) 34:139-142.
43. Bruce, A.J., Boling, W., **Kindy, M.S.**, Peschon, J., Kraemer, P.J., Carpenter, M.K., Holtsberg, F.W., Mattson, M.P. Altered neuronal and microglial responses to excitotoxic and ischemic brain injury in mice lacking TNF receptors. (1996) *Nature Med.* 2:788-794.
44. Soto, C., **Kindy, M.S.**, Baumann, M., Frangione, B. Inhibition of Alzheimer's amyloidosis by peptides that prevent beta-sheet conformation. (1996) *Biochem. Biophys. Res. Commun.* 226:672-680.
45. Adibhatla, R.M., Baskaya, MK, **Kindy, M.S.**, Maley, M., Dempsey, R.J. Beneficial effects of Sadenosyl-L-methionine on blood-brain barrier breakdown and neuronal survival after transient cerebral ischemia in gerbils. (1997) *Mol. Brain Res.* 44:134-138.
46. Webb, NR, deBeer, MC, van der Westhuyzen, DR, **Kindy, MS**, Banka, CL, Rader, DJ, deBeer, FC. Adenoviral vector-mediated overexpression of serum amyloid A in apoAI deficient mice. (1997) *J. Lipid Res.* 34:1583-1590.
47. Keller JN, **Kindy MS**, Holtsberg FW, St Clair DK, Yen HC, Germeyer A, Steiner S, Bruce-Keller AJ, Hutchins JB, Mattson MP. Mitochondrial manganese superoxide dismutase prevents neural apoptosis and reduces ischemic brain injury: suppression of peroxynitrate production, lipid peroxidation and mitochondrial dysfunction. *J Neurosci* 1998; 18:687-697.
48. Mayeux R, et al. Utility of the apolipoprotein E genotype in the diagnosis of Alzheimer's disease. *New Engl J Med* 1998, 338:506-511.
49. **Kindy, M.S.**, Rader, D.J. Reduction in amyloid A amyloid formation in apolipoprotein E deficient mice. *American Journal of Pathology*, 1998, 152:1387-1395.
50. **Kindy, M. S.**, A. R. King, J. Yu, C. Gerardot, J. Whitley and F. C. de Beer. Adenoviral expression of murine serum amyloid A proteins to study amyloid fibrillogenesis. *Biochemical J.* 1998, 332:721-728.
51. Houdi, AA, Dasgupta, R., **Kindy, M.** Brain opioids in nicotine long-term use and its withdrawal. *Brain Res.* 1998 Jul 20;799(2):257-63.
52. Gary DS, Bruce-Keller AJ, **Kindy MS**, Mattson MP Ischemic and excitotoxic brain injury is enhanced in mice lacking the p55 tumor necrosis factor receptor. *J Cereb Blood Flow Metab* 1998 Dec;18(12):1283-7.
53. Kirschner, D.A., Elliot-Bryant, R., Szumowski, K.E., Gonnerman, W.A., **Kindy, M.S.**, Sipe, J.D., Cathcart, E. In vitro amyloid fibril formation by synthetic peptides corresponding to the amino terminus of mouse apoSAA isoforms from amyloid-susceptible and amyloid-resistant mice. *J. Struc. Biol.* 1998 124:88-98.
54. Ramanathan, S., Lewis, J.C., **Kindy, M.S.**, Daunert, S., Heterogeneous bioluminescence binding assay for an octapeptide using recombinant aequorin. *Anal. Chim. Acta*, 1998, 369:181-188.
55. Keller, J.N., Hanni, K.B., Gabbita, S.P., Friebe, V., Mattson, M.P., **Kindy, M.S.** Oxidized low density lipoprotein increase reactive oxygen species formation in microglia and astrocyte cell lines. *Brain. Res.* 1999,830:10-15.
56. Yu, Z., Zhou, D., Bruce-Keller, A.J., **Kindy, M.S.**, Mattson, M.P. Lack of the p50 subunit of nuclear factor-kappaB increases the vulnerability of hippocampal neurons to excitotoxic injury. *J. Neurosci.* 1999, 19:8856-65.
57. Rao, A.M., Hatcher, J.F., **Kindy, M.S.**, Dempsey, R.J. Arachidonic acid and leukotriene C4: role in transient cerebral ischemia of gerbils. *Neurochem. Res.* 1999, 24:1225-32.
58. Smith, C.D., Andersen, A.H., Krysió, R.J., Schmitt, F.A., **Kindy, M.S.**, Blonder, L.X., Avison, M.J. Altered brain activation in cognitively intact individuals at high risk for Alzheimer's disease. *Neurology* 1999, 53:1391-1396.
59. **Kindy, M.S.**, Yu, J., Guo, J.T., Zhu, H. Apolipoprotein Serum Amyloid A in Alzheimer's disease. *J. Alzheimer's Disease.* 1999, 1:155-167.
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62. Yu, J., Guo, J.-T., Zhu, H. **Kindy, M.S.** Amyloid formation in the rat: adenoviral expression of mouse serum amyloid A proteins. *Amyloid*, 2000, 7:32-40.
63. Keller, J.N., Hanni, K.B., **Kindy, M.S.** Oxidized high-density lipoprotein induces neuron death. *Exp. Neurol.* 2000 161:621-30.
64. Keller, J.N. Lauderback, C.M., Butterfield, D.A., **Kindy, M.S.**, Yu, J., Markesbery, W.R. Potential role for apolipoprotein E in maintaining synaptic homeostasis. *J Neurochem.* 2000 74:1579-86.
65. Kindy, M.S., Yu, J., de Beer, M.C., de beer, F.C. Overexpression of acute phase (SAA2) and constitutive (SAA4) serum amyloid A isotypes: influence on lipoprotein profiles. *Arterio. Thromb. Vasc. Biol.* 2000, 20:1543-1550.
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68. Keller, J.N., Huang, F.F., Zhu, H., Yu, J., Ho, Y.-S., **Kindy, M.S.** Oxidative stress-associated impairment of proteasome activity during ischemia-reperfusion injury. *J. Cereb. Blood Flow Metab.* 2000, 20:1467-73.
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70. Yu, J., Zhu, H., Guo, J.T., de Beer, F.C., **Kindy, M.S.** Expression of Mouse Apolipoprotein SAA1.1 in CE/J Mice: Isoform Specific Effects on Amyloidogenesis. *Lab. Invest.* 2000, 80:1797-1806.
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81. Rebeck GW, **Kindy M**, LaDu MJ. Apolipoprotein E and Alzheimer's disease: the protective effects of ApoE2 and E3. *J Alzheimers Dis.* 2002, 4:145-54.
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84. Webb NR, de Beer MC, Yu J, **Kindy MS**, Daugherty A, van der Westhuyzen DR, de Beer FC. Overexpression of SR-BI by adenoviral vector promotes clearance of apoA-I, but not apoB, in human apoB transgenic mice. *J Lipid Res.* 2002, 43:1421-8.

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198. Yu J, Zhu H, Taheri S, Mondy W, Bonilha L, Magwood GS, Lackland D, Adams RJ, **Kindy MS**. Serum amyloid A-mediated inflammasome activation in microglial cells. *J Neurosci.* 2019;39:9465-9476.
199. Ari C; Murdun C; Koutnik AP; Goldhagen CR; Rogers C; Park C; Bharwani S; Diamond DM; **Kindy M**; D'Agostino DP; Kovács Z. Exogenous ketones lower blood glucose levels in rested and exercised rodent models. *Nutrients.* 2019;11:piiE2330.
200. Gopalakrishna R, Zhu A, Oh A, Nguyen J, Lin C, **Kindy MS**, Mack WJ. Cyclic-AMP induces Nogo-A receptor NgR1 internalization and inhibits Nogo-A-mediated collapse of growth cone. *BBRC*, in press.
201. Sajjan MP, Braun U, Leitges M, Park C, Diamond DM, Yu J, Hansen BC, Duncan MA, Apostolatos CA, Apostolatos AH, **Kindy MS**, Farese RV. Dependency of Brain β -Secretase Levels on PKC- λ . Submitted to *J. Alz. Dis.*
202. Yu J, Zhu H, Taheri S, Kirstein C, **Kindy MS**. Serum amyloid A-dependent inflammasome activation and acute injury in experimental stroke. Submitted to *Communications Biology (Nature Research)*, 2019.
203. Kuang S, Yang X, Wei L, Huang T, Wang Z, **Kindy M**, Xi T, Gao B. Functional Similarities between Cultured Neuronal Networks Formed from Dissociated Chick Forebrain Neurons and Rodent Cortical Neurons. Submitted to *J Comp Phys A.*, 2019.
204. Yu J, Zhu H, Taheri S, Mondy W, Perry S, Kirstein C, **Kindy MS**. Effects of diet on cognitive impairment in transgenic mouse model of Alzheimer's disease. Submitted *Neurobiol. Dis.*, 2019.
205. Yu J, Zhu H, Taheri S, Mondy W, Ko D, **Kindy MS**. GM6 confer clinical improvement in a mouse model of ALS. Submitted, *J. Neurochem.*, 2019.
206. Yu J, Zhu H, Rice JK, **Kindy MS**. Modulation of microglia phenotype by semiallogeneic cancer vaccines. Submitted, *Cancers.*, 2019.

Review Articles [RA]

NA

Case Reports [CR]

NA

Book Chapters, Monographs [BC]

1. **Kindy, M.S.** and Verma, I.M. (1988) Inhibition of c-fos gene expression does not alter the differentiation pattern of PC12 cells. In *Current Communications in Molecular Biology: Antisense RNA and DNA*. Melton, D., ed. Pp 129-133.
2. Carney, J.M., **Kindy, M.S.**, Smith, C.D., Wood, K., Tatsuno, T., Wu, J.F., Landrum, W.R., and Floyd, R.A. (1993) Gene expression and functional changes after acute ischemia: Age-related differences in outcome and mechanisms. In: *Cerebral Ischemia and Basic Mechanisms*, Eds. Hartmann, A., Yatsu, F., and Kuschinsky, W. Springer-Verlag Berlin Heidelberg, pp. 301-311.
3. **Kindy, M.S.** (1994) Protein phosphorylation in neuronal signal transduction following cerebral ischemia. In : *Proceedings of the International Symposium on the Pharmacology of Cerebral Ischemia*, Ed. Kreigelstein, J., pp. 47-54.
4. **Kindy, M.S.**, Yu, J., Miller, R.J., Roos, R.P., Ghadge, G.D. (1996) Adenoviral Vectors in Ischemic Injury In : *Proceedings of the International Symposium on the Pharmacology of Cerebral Ischemia*, Ed. Kreigelstein, J., pp. 501-513.
5. **Kindy, M.S.**, de Beer, F.C. (1999) Murine model of AA amyloidosis. In: *Methods in Enzymology*. Ed. Wetzel, R. 309:701-716.
6. **Kindy, M.S.**, de Beer, F.C. (2000) Renal Amyloidosis. In: *Massry and Glasscock's Textbook on Nephrology*, 4th Edition, Ed. Massry and Glasscock, R.
7. Brown, S.A., Govindaswami, M., Bishop, P.D., **Kindy, M.S.**, Oeltgen, P.R. (2008) Hibernating woodchuck plasma and plasma fractions provide ischaemic neuroprotection. *Proceedings of Life in the Cold. 13th International Hibernation Symposium*. B.G. Lovegrove and A.E. McKechnie (eds.).
8. Gattioni-Celli, S., Ellis, B.E., **Kindy, M.S.** (2010) Vitamin D: From Dolphin Skin to Clinical Trials. In: *Vitamin D: Nutrition, Side Effects and Supplements*, Ed. Stephanie R. Malone Nova Science Publishers, Inc. Hauppauge, NY. Pp 67-88.
9. Hook, V., Funkelstein, L, Wegrzyn, J., Bark, S., **Kindy, M.S.**, Hook, G. (2011) Cysteine Cathepsins in the Secretory Vesicle Produces Active Peptides: Cathepsin L Generates Peptide Neurotransmitters and Cathepsin B Produces Beta-Amyloid of Alzheimer's Disease, Ed. Vito Turk, *BBA – Proteins and Proteomics*, 2012, 1824:68-88.

10. **Kindy, M.S.,** Vertegel, A. (2014) Nanoparticles for Neurotherapeutic Drug Delivery in Neurodegenerative Disorders: Application in Neurotrauma. In Brain Injury Principles: Molecular, Neurophysiological and Rehabilitation Aspects in Brain Injury Models. Ed., F. Kobeissy, Taylor and Francis Group. Chapter 41.
11. Kindy, M.S. (2019) Serum Amyloid P Component in Amyloidosis. In: Amyloidosis. Eds., Dmitry Kurouski, Intechopen.

Books, Textbooks [BK]

NA

Other Publications:

NA

FUNDING

EXTRAMURAL Funding

Research Extramural Funding - Grants or contracts obtained to support a research initiative

Current:

- | | |
|-------------------|---|
| 08/01/15-06/31/20 | Metabolic Determinants of Vascular Stiffness in Health Disparities Related Stroke
15SFDRN25710468 (NCE)
American Heart Association
\$217,000/yr
Mark S. Kindy, Ph.D. (PI)(Robert Adams, M.D., overall PI, MUSC)
50% (USF time) |
| 10/01/14-09/30/19 | Targeted Delivery of Antioxidant Drugs Following Cerebral Ischemic Injury
1I01RX001450-01A1 (No cost extension)
Veterans Administration
\$275,000/yr
Mark S. Kindy, Ph.D. (PI)
20% (VA time) |
| 04/01/13-03/31/20 | Senior Research Career Scientist Award
NA
Veterans Administration
\$145,000/yr
Mark S. Kindy, Ph.D. (PI)
100% (VA time) |
| 04/01/19-03/31/20 | ShEEP Request for 4D Bioprinting-Biofabrication of stimuli-responsive materials
NA
VA
\$250,000 total
Mark Kindy (PI)
10% (VA time) |
| 07/01/19-06/30/22 | Serum Amyloid A, Inflammasome Activation and Stroke (received 17.52 score, funding to 15.78)
19TPA34910015
AHA Transformation Award
\$100,000/yr
Mark Kindy (PI)
10% (USF time) |
| 01/01/20-12/31/22 | Ehlers Danlos Syndrome Research
Equivest Alliance Foundation
\$1,000,000/yr
Mark S. Kindy, Ph.D. (PI)
30% (USF Time) |

Pending

01/01/20-12/31/24	Botanical Medicine Research and Education Center Mission Lago and Magical Butter \$3,000,000 Mark S. Kindy, Ph.D. (PI) 10% (USF Time)
01/01/20-12/31/29	Brain Research Institute Equivest Alliance Foundation \$100,000,000 Mark S. Kindy, Ph.D. (PI) 50% (USF Time)
01/01/20-12/31/24	Mechanisms of Childhood Diseases Foundation for Childhood Diseases \$5,000,000 Mark S. Kindy, Ph.D. (PI) 10% (USF Time)
04/01/20-03/31/24	Targeting SAP for tau pathology following traumatic brain injury (TBI) I01BX004678-A1 (revised) VA \$200,000/yr Mark Kindy (PI) 20% (VA time)
04/01/20-03/31/25	Serum Amyloid A, Inflammasome Activation and Stroke R01 NS107892-A1 (revised) NIH/NINDS \$350,000/yr Mark Kindy (PI) 20% (USF time)
04/01/20-03/31/25	Role of Serum Amyloid P Component in Parkinson's Disease R01 NS111050-A1 (revised) NIH/NIA \$350,000/yr Mark Kindy (PI) 10% (USF time)
Not funded	
07/01/19-06/30/22	Serum Amyloid A, Inflammasome Activation and Stroke (received high marks) 201800032 FLDOH \$250,000/yr Mark Kindy (PI) 30% (USF time)
Previous	
08/01/89-07/31/95	Role of metalloproteinases in ovarian function R01-HD023195 NIH/NICHD \$175,000/yr Thomas Curry, Ph.D. (PI); Kindy (Co-I) 5%
05/01/91-04/30/96	Age Influences on Ischemia and Reperfusion in Brain R01-AG009690 \$175,000/yr

	NIH/NIA Robert Floyd, Ph.D. (PI); Kindy (Co-I) 5%
07/01/92-06/30/95	Function of serum amyloid A protein R01-AR040379 \$150,000/yr NIH/NIAMS Fred DeBeer, M.D. (PI); Kindy (Co-I) 10%
04/01/94-3/31/99	Training Grant in the Cellular and Molecular Basis of Brain Aging T32-AG00242 \$350,000/yr Phyllis Wise, Ph.D. (PI); Kindy (Co-I) 5%
04/01/94-03/31/00	Mechanisms of Brain Injury and its Sequelae 1P01 NS31220-01 \$600,000/yr NIH/NINDS Byron Young, M.D. (PI); Mark S. Kindy, Ph.D. (Co-I) 20%
09/01/94-6/30/97	Structural Prerequisites for amyloid fibrillogenesis 1R01-AG12860-01 \$150,000/yr NIH/NIA Mark S. Kindy, Ph.D. (PI) 20%
07/01/96-06/30/01	Role of Metalloproteinases in ovarian function R01-HD023195 NIH/NICHHD \$175,000/yr Thomas Curry, Ph.D. (PI); Kindy (Co-I) 5%
06/01/97-12/31/97	Study Abroad in the UK NA \$75,000/yr Fogarty Fellowship Mark S. Kindy, Ph.D. (PI) 50%
07/01/97-6/30/01	Detection of Presymptomatic Alzheimer's Disease by MRI R01-NA036660 \$175,000/yr NIH/NIA Charles Smith, M.D. (PI); Kindy (Co-I) 5%
05/01/99-04/30/01	Drug Screening for Stroke NA \$100,000/yr Zymogenetics Mark S. Kindy, Ph.D. (PI) 10%

04/01/00-03/31/05	<p>Superfund Grant – Development of Biosensors for Detection of PCBs P42-ES007380 NIH/NIEHS \$750,000/yr Larry Robertson, Ph.D. (PI); Kindy (Co-I) 10%</p>
03/01/01-02/28/03	<p>Opiate-like hibernation factors provide cerebral ischemia protection NA Office of Naval Research \$80,000/yr Peter Oeltgen, Ph.D. (PI); Kindy (Co-I) 10%</p>
10/01/01-9/30/04	<p>Neprilysin and AD NA Alzheimer’s Association \$100,000/yr Louis Hersh, Ph.D. (PI); Kindy (Co-I) 5%</p>
08/15/01-08/31/07	<p>Oxidized Lipoproteins in Neurodegeneration 5R01NS039588 \$150,000/yr NIH/NINDS Mark S. Kindy, Ph.D. (PI) 20%</p>
04/01/02-11/30/07	<p>The Role of Neprilysin in Alzheimer’s Disease 5R01-AG019323 \$175,000/yr NIH/NIA Mark S. Kindy, Ph.D. (PI) 30%</p>
04/01/02-09/01/07	<p>Brain Oxidation in the Pathogenesis of Alzheimer’s Disease P01-AG005119 \$750,000/yr NIH/NIA William R. Markesbery, M.D. (PI); Kindy (Co-I, PI on Project #2) 20%</p>
04/01/02-03/31/07	<p>Neprilysin and amyloid-beta degradation in AD NA \$150,000/yr Department of Veterans Affairs Mark S. Kindy, Ph.D. (PI) 20%</p>
08/01/02-07/31/04	<p>ENU Mutagenic Screen for Susceptibility and Resistance to Streptococcus Pneumoniae NA \$200,000/yr DARPA Mark S. Kindy, Ph.D. (PI) 10%</p>
08/01/02-07/31/07	<p>Cell Signaling in the spinal cord following injury</p>

	NA \$250,000 SC Spinal Cord Injury Research Fund Mark S. Kindy, Ph.D. (PI) 10%
08/01/02-07/31/07	Cell Signaling in the spinal cord following injury NA \$250,000 SC Spinal Cord Injury Research Fund Mark S. Kindy, Ph.D. (PI) 10%
09/26/02-09/01/07	Center of Biomedical Research Excellence in Lipidomics and Pathobiology 5P20-RR017677-04 \$1,000,000/yr NIH/NCRR Lina Obeid, M.D. (PI); Kindy (Co-I) 10%
04/01/03-03/31/08	Research Career Scientist Award NA \$58,000/yr Department of Veterans Affairs Mark S. Kindy, Ph.D. (PI) 5/8 th time
04/01/05-07/31/06	Expectatory and Anticipatory Behavior in Natural and Artificial Intelligence Systems NA \$50,000 South Carolina EPSCoR Mark S. Kindy, Ph.D. (PI) 5%
06/01/05-05/31/09	Phenomics Center for Neuroscience Research EPS-0132573 and EPS-0447660 \$1,000,000/yr NSF EPSCoR Mark S. Kindy, Ph.D. (PI) 10%
09/23/05-12/30/09	An in vitro model of stem cell innervation of myotubes 2R01-NS050452-01A1 \$250,000/yr NIH/NINDS James Hickman, Ph.D. (PI); Kindy (Co-PI) 10%
09/01/05-08/31/09	RAGE and A β induced Oxidative Stress NA \$150,000/yr Department of Veterans Affairs Mark S. Kindy, Ph.D. (PI) 20% (VA time)
10/01/05-9/30/09	Diastolic Heart Failure: Role of AGE/RAGE in ECM Remodeling NA

	<p>\$150,000/yr Department of Veterans Affairs Michael Zile, M.D. (PI); Kindy (Co-I) 5%</p>
10/01/05-9/30/08	<p>Integrin-Mediated Oligodendrocyte Survival in Ischemia NA \$150,000/yr Department of Veterans Affairs Tatyana Gudz, Ph.D. (PI); Kindy (Co-I) 5%</p>
12/01/05-11/30/10	<p>Controlling Complement in Cerebral Ischemic injury R01-HL082485-01 \$225,000/yr NIH/NHLBI Stephen Tomlinson, Ph.D. (PI); Kindy (Co-I) 5%</p>
07/01/06-11/30/10	<p>Neuroinflammation in cholesterol-induced AD pathogenesis 1R01-NS051575-04 \$150,000/yr NIH/NIA Narayan Bhat, Ph.D. (PI); Kindy (Co-I) 5%</p>
07/01/06-06/30/07	<p>Melatonin – A new anti-amyloidogenic and antioxidant agent 7R01AG016783-05 \$150,000 NIH/NIA Mark S. Kindy, Ph.D. (PI) 5%</p>
09/26/07-9/01/10	<p>Center of Biomedical Research Excellence in Lipidomics and Pathobiology 5P20-RR017677-04 \$1,000,000/yr NIH/NCRR Lina Obeid, M.D. (PI); Kindy (Co-I) 10%</p>
10/01/07-09/30/12	<p>Alzheimer's Disease: Novel MRI Biomarkers for Clinical Diagnosis and Translational Studies NA \$1,000,000/yr National-International Research Alliance Program Australia Innovation Projects Fund Mark S. Kindy, Ph.D. (PI, US) 20%</p>
10/01/07-09/30/11	<p>Therapeutic Intervention in Cervical Spinal Cord Injury NA \$275,000/yr Department of Veterans Affairs Mark S. Kindy, Ph.D. (PI) 20%</p>
10/01/07-09/30/08	<p>Supplement to VA Merits NA \$100,000 Department of Veterans Affairs</p>

Mark S. Kindy, Ph.D. (PI)
5%

04/01/09-03/31/13 Research Career Scientist Award (Renewal)
NA
\$75,000
Department of Veterans Affairs
Mark S. Kindy, Ph.D. (PI)
5/8ths (VA time)

04/01/09-01/31/12 E64c and CA074 prodrugs for AD
1R21-AG031963-01A1
\$275,000
NIH/NIA
Greg Hook, Ph.D. (PI); Mark S. Kindy, Ph.D. (PI)
5%

07/01/09-01/31/12 Development of E64d for AD
1R44-AG032784-01
\$600,000
NIH/NIA
Greg Hook, Ph.D. (PI); Mark S. Kindy, Ph.D. (PI)
5%

07/01/09-01/31/12 Development of protease inhibitors to treat AD
1R44-AG030865-01A1
\$600,000
NIH/NIA
Greg Hook, Ph.D. (PI); Mark S. Kindy, Ph.D. (PI)
5%

01/01/10-12/31/13 Vitamin D Supplementation in Veterans with Early-Stage Prostate Cancer
CX000163
\$150,000/yr
Department of Veterans Affairs
Sebastiano Gattoni-Celli, M.D. (PI); Mark S. Kindy, Ph.D. (Co-I)
20% (VA time)

09/01/09-06/30/13 Pesticides, Paraoxonase, and Alzheimer's Disease
1R01ES016774-01A1
\$250,000/yr
NIH/NIEHS
Mark S. Kindy, Ph.D. (PI)
20% (MUSC time)

10/01/09-9/30/12 Mitochondrial Ceramide in Traumatic Brain Injury
NA
\$250,000/yr
Department of Veterans Affairs
Tatyana Gudz, Ph.D. (PI); Kindy (Co-I)
5%

10/01/09-09/30/19 The South Carolina Center for Organ Biofabrication
1P20-RR021949-02
\$1,000,000/yr
NIH/NCRR
Naren Vyavahare, Ph.D. (PI); Mark S. Kindy, Ph.D. (mentor)
5% (MUSC time)

10/01/09-09/30/16	<p>The South Carolina Project for Organ Biofabrication EPS-0903795 \$\$4,000,000/yr NSF Roger Markwald, Ph.D. (PI); Kindy (Co-I) 10% (MUSC time)</p>
02/01/10-01/31/13	<p>Lowcountry Partnership for Biomedical Innovation IIP-917987 \$200,000/yr NSF-PFI Kelly Shaver, Ph.D. (PI); Mark S. Kindy, Ph.D. (co-PI) 10% (MUSC time)</p>
04/01/10-06/30/13	<p>Expectatory and Anticipatory Behavior in Natural and Artificial Intelligence Systems NA \$275,000/yr Department of Veterans Affairs Mark S. Kindy, Ph.D. (PI) 20% (VA time)</p>
08/01/11-04/30/17	<p>SC COBRE for Developmental Based Cardiovascular Diseases 1P30-GM103342 \$1,000,000/yr NIH/NIGMS Roger Markwald, Ph.D. (PI); Kindy (Co-I) 10% (MUSC time)</p>
07/01/11-06/30/15	<p>Ceramide and oligodendrocyte protection in stroke 1I01BX001104-A1 \$150,000/yr Department of Veterans Affairs Tatyana Gudz, Ph.D. (PI); Kindy (Co-I) 5% (MUSC time)</p>
04/01/13-03/31/20	<p>Senior Research Career Scientist Award (Renewal) NA \$140,000 Department of Veterans Affairs Mark S. Kindy, Ph.D. (PI) 8/8ths VA time</p>
07/01/13-06/30/17	<p>Role of Fibulin1 in Amyloid Precursor Protein Processing 1R21AG043718-01A1 \$275,000 total NIH/NIA Mark S. Kindy, Ph.D. (PI) 5%</p>
04/01/14-03/31/19	<p>Role and regulation of SIRT3 in white matter 1R01NS083544-01A1 \$225,000/yr NIH/NINDS Tatyana Gudz, Ph.D. (PI); Kindy (Co-I) 5% (MUSC time)</p>
07/01/14-06/30/15	<p>CLARITY on Leica TCS SP8-Multiphoton Microscope</p>

NA
\$600,000
Department of Veterans Affairs ShEEP Grant
Mark S. Kindy, Ph.D. (PI)
5%

10/01/16-9/30/17 ShEEP Request for Clarity Optimized Light Sheet Microscopy for high speed imaging of large clarified samples at high resolution
IS1BX003976
Veterans Administration
\$600,000
Mark S. Kindy, Ph.D. (PI)
0% (VA time)

10/01/17-09/30/18 VA Meeting Grant - New perspectives on central and peripheral inflammation in traumatic brain injury
VA
\$20,000
Mark S. Kindy, Ph.D. (PI)
0% (VA Time)

Educational Extramural Funding – Grants or contracts obtained to support an educational initiative, incl. training grants

1999-2002 Training Grant in Cellular and Molecular Basis of Aging
T32 AG00242
NIH/NIA
\$350,000/yr
Mark S. Kindy, Ph.D. (PI)
10% (UK time)

Clinical Extramural Funding - Grants or contracts obtained to support a clinical initiative
NA

System Innovation or Quality Improvement Extramural Funding - Grants or contracts obtained to support an initiative
NA

Other Extramural Funding, including philanthropy

07/01/03-06/30/09 Center for Economic Excellence in Neuroscience Research
NA
South Carolina Commission on Education
\$6,000,000 (\$3,000,000 donation and \$3,000,000 from the state)
Mark S. Kindy, Ph.D. (PI)
5% (MUSC time)

07/01/07-06/30/13 Center for Economic Excellence in Stroke
NA
South Carolina Commission on Education
\$10,000,000 (\$5,000,000 donation and \$5,000,000 from the state)
Mark S. Kindy, Ph.D. (PI)
5% (MUSC time)

INTRAMURAL Funding

Research Intramural Funding

Current

2015-2020 Start-up funds \$1,000,000

Pending

NA

Previous

07/01/80-06/30/91 The Molecular Basis of Atherosclerosis
NA
Tobacco and Health Research Institute, University of Kentucky
\$60,000/yr
Mark S. Kindy, Ph.D. (PI)
5%

07/01/89-06/30/90 Molecular Basis of Atherosclerosis
NA
College of Medicine, University of Kentucky
\$25,000
Mark S. Kindy, Ph.D. (PI)
5%

07/01/90-06/30/91 Molecular Basis of Ischemic Cerebral Cell Death
NA
College of Medicine, University of Kentucky
\$25,000
Mark S. Kindy, Ph.D. (PI)
5%

07/01/90-06/30/92 Characterization of gene expression in ischemia mediated stroke
NA
American Heart Association, Kentucky Affiliate
\$50,000
Mark S. Kindy, Ph.D. (PI)
5%

07/01/91-06/30/94 Analysis of gene expression in ischemia mediated stroke
2956
Council for Tobacco Research
\$75,000
Mark S. Kindy, Ph.D. (PI)
5%

07/01/94-06/30/95 Role of c-myb in atherogenesis
NA
AMR
\$25,000
Mark S. Kindy, Ph.D. (PI)
5%

07/01/05-06/30/10 Phenomics Center
NA
\$25,000/yr
Dean's Office College of Medicine, MUSC
Mark S. Kindy, Ph.D. (PI)
5%

04/01/06-03/31/07 Minority Undergraduate Research Program
NA
\$50,000
SC EPSCoR/MUSC/NSF EPSCoR
Mark S. Kindy, Ph.D. (PI)

5%

01/01/14-12/31/14 Role of inflammation in the pathogenesis of Parkinson's Disease
NA
\$10,000
Charles and Dianne Barmore Fund for Parkinson's Research
Mark S. Kindy, Ph.D. (PI)
5%

01/01/15-12/31/15 Zeiss LightSheet Microscope for Research
NA
\$750,000
Ralph H. Johnson VA Medical Center
Mark S. Kindy, Ph.D. (PI)
5%

Educational Intramural Funding

NA

Clinical Intramural Funding

NA

System Innovation or Quality Improvement Intramural Funding

NA

Other Intramural Funding

NA

CLINICAL ACTIVITIES

NA

EDUCATIONAL ACTIVITIES

Educational Focus

Reflecting upon the dynamic interaction between pedagogy and personality, my teaching style is best described as applied, mastery instruction. While the specific learning goals of a course are dependent upon the nature of the course, the education level of the students, the purpose of the course within the department, and the relationship between the course and related courses, I have three overarching goals for any course that I teach:

1. foster critical thinking so that students may become effective consumers of psychological information,
2. promote mastery of course content, and
3. encourage application of course materials to real-world contexts.

Teaching

Classroom instruction

Date Role, learner level, course title, venue; any explanatory notes

Undergraduate/Graduate

University of Massachusetts, Amherst

1978–1980 Genetics, University of Massachusetts, Amherst (ZOO 501)
1979 Human Genetics, University of Mass, Amherst (ZOO 510)

University of Kentucky

1989 Experimental Methods in Biochemistry (BCH 517)
1989–2002 Seminar in Biochemistry (BCH 618/619) (1989–Course Dir)
1990 Biology of Aging (BIO 612)
1990–2002 General Biochemistry (BCH 501/502)
1990–1993 Biochemistry for Medical Students (BCH 811)
1991–2002 Nucleic Acids (BCH 611)
1992–2002 Molecular Biology and Genetics (BCH 615)
1992 Introduction to Molecular Pharmacotherapeutics (PHR 760)

1993–2002	Allergy and Immunology Program
1993–2002	Cellular Structure and Function (BCH 819)
1993–2002	Problem Based Learning Instructor
1994–2002	Clinical Correlation Instructor (BCH 819)
1997–2002	Biology of Aging (BIO 612)
1998–2002	Signal Transduction (BCH 780)
1999–2002	Cell Biology (MI/BCH 710)
1999–2001	Dental Biochemistry (BCH 812)
2000–2001	Course Director, Dental Biochemistry (BCH 812)

Medical University of South Carolina

2002–2005	Molecular Neuroscience
2002–2007	Medical Physiology
2002–2008	Clinical Pathology
2002–2008	Medical Neuroscience
2006–2015	Dental Physiology (NSCS 621)
2008	Biochemistry Elective (Aging)
2009	Biochemistry Elective (Autophagy)
2009–2015	Fundamentals of Neuroscience (NSCS 730)
2010–2015	Biomedical Commercialization (College of Charleston, School of Business, MGMT 360–005), Course co-director (taught every semester)
2011	MCR 744, Molecular Approaches to Experimental Medicine (2 lectures)
2011	Advanced Techniques in Neurosciences, Course Director of section (NSCS 775-02)
2012	Workshop on Collaboration, Women Scholars Initiative (WSI); 2/17/12
2012	MCBP 748, BMB 748: Lipids in Pathobiology (1)
2012	GSC 710 Essential Scientific Practices I, Responsible Conduct of Research, Intellectual Property (1 lecture)
2012-2015	Biomedical Commercialization (MUSC, CGS 729-001), Course director (taught spring semester), Cross listed as BioE 850 at Clemson University
2013	Neurogenetics, Neuroscience elective, Course Director

University of South Florida

2015-present	Pharmacogenomics II, USF College of Pharmacy
2016-present	Course Director, Invention, Innovation and Entrepreneurship COP, Graduate Program)
2016-present	Co-Course Director, Clinical Biochemistry (COP)
2016-present	Course Director, Grant Writing and Clinical Research (COP)

Clinical instruction

Date	Role, learner level, course title, venue; any explanatory notes
2011-2015	Neurology Resident Core Curriculum

CME instruction

Date	Role, learner level, course title, venue; any explanatory notes
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Regional

03/17/17	Cathepsin B and Alzheimer's Disease – Geriatric Grand Rounds VA
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National

05/17-18/18	New perspectives on central and peripheral inflammation in traumatic brain injury James A. Haley VAMC, Patel Center, Coordinator
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International

NA

Workshops /seminars

Date	Role, learner level, course title, venue; notes
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Regional

National

International

Mentoring

Pre-doctoral Advisees /Mentees

Date Mentee name, degree, present position; awards/grants/degrees received under your direction, indicate shared publications scholarship by numbered entries in this CV

USF

2016-present Undergraduate Students

Zachary Sannasardo

Ashley Mott

Kimberly Munoz

Leenil Noel

Jennifer Morton

Jonathon Olds

Erik Black

Edvinas Sipavicius

USF

2016-present Graduate Students

Jessica Hoffman, Department of Psychology, USF (2018)

Kelsey Williams, Graduate Programs, COP, USF (2019)

Brittany Urban, Graduate Programs, COP, USF (2020)

Aakash Bagepalli Prasad, Graduate Programs, COP, USF (2020)

Yasmin Azad, Graduate Programs, COP, USF (2019)

2018-present PLRP Students

Shana Indawala, Alvin Choi, Anthony Juncal, Kara Martin, Sara Penuel

2019-present

Patrick Alonso, Elliot Barrett, David Herrera-Perez, Ly Huynh, Alexis Jalovec, Aysia Johnson, Ding Nguyen

MUSC Graduate Students

2000-2007 Salim El-Amouri, BS, Biochemistry

2002-2009 Blake Ellis, BS, Marine Biology Program

2006 Priyasma Bhoumik, BS, MS, Neurosciences

2004-2009 Kucku Varghese, BS, Neurosciences (UCF)

2007-2008 Lingyi Chi, MD, Neurosciences

2008-2009 Zhen Liu, MD, Neurosciences

2009-2010 Joseph Taylor, BS, Neurosciences

2009-2010 Aihua Wang, MD, Neurosciences

2014-2015 Salma Awad, BS, Neurology

MUSC Summer Undergraduate Students

Sharmin Basher, BS, Medical Student (2006)

Kaja Richards, Undergraduate, North Carolina State University (2006)

Digene Jarido, Undergraduate, South Carolina State University (2006)

Michael Mai, Undergraduate, College of Charleston (2011)

Shaquille Jenkins, University of South Carolina (2013)

Cheyauna Mitchell, Voorhess College (2014)

MUSC Summer High School Students

2009 China Cox

2009 Millie Griffin

MUSC High Student Theses Advisor

2009-2010 Marco Gattoni-Celli

2011-2012 Scott Becker

UK Graduate Student Advisor

1989-1991 Joseph Carney, Pharmacology, co–advisor PhD

1990-1992 Semin Akhtar, Toxicology, advisor, MS
1990-1995 Bryan Tolliver, Pharmacology, co–advisor PhD
1991-1993 Allen Witkowski, Chemistry, co–advisor PhD
1991-1994 David Hiestand, MedChem, advisor PhD
1993-1993 Deepak Mandi, Biochemistry, advisor MS
1996-2002 Jun–Tao Guo, Biochemistry advisor, PhD

UK Summer Student Undergraduate Advisor

1990 David Hiestand
1991 Chris Nelson
1991 Harold Scott
1992 Matt Purdom
1992 Jan de Beer
1992 Jo Ann Wood
1993 Dan Otto
1993 Chris Whitig
1997 Rick Parks
1998 Scott Wilson
1999 Adam Reitzel

Post-doctoral Advisees /Mentees

Date Mentee name, degree, present position; awards/grants/ degrees received under your direction, indicate shared publications scholarship by numbered entries in this CV

USF

2016-present Faculty

Jin Yu, M.D., Assistant Research Professor
Hong Zhu, M.D., Research Associate
Saeid Taheri, Ph.D., Assistant Research Professor
William Mondy, Ph.D., Assistant Research Professor
Daniel Kerr, M.D., Ph.D., Assistant Research Professor, Moffitt Cancer Center

MUSC

2002-2015 Faculty Mentoring

2002-2008 Sebastiano Gattoni-Celli, M.D., Professor, Radiation Oncology
2003-2014 Tatyana Gudz, Ph.D., Assistant/Associate Research Professor, Neurosciences, MUSC
2005-2015 Melissa Moss, PhD, University of South Carolina, Dept. Chemical Engineering
2005-2010 Vanessa Hinson, MD, MUSC/VA
2006-2008 William Tyor, MD. MUSC/VA
2006 Advisor, Sharie Haugabook, PhD, Res. Asst. Prof, MUSC
2008-present Ken Webb, PhD, Bruce Gao, PhD, Alexey Vertegel, PhD, Jiro Nagatomi, PhD, Jeoung Soo Lee, PhD, Clemson University, Dept. Bioengineering

MUSC

Postdoctoral Fellows

1996-2015 Jin Yu, MD
1998-2015 Hong Zhu, MD
2002-2006 Frank Wang, MD
2005 Hiapeng Shao, MD
2006-2007 Sharie Haugabook, PhD
2007-2010 Salim El–Amouri, PhD
2009-2012 Blake Ellis, PhD
2010-2012 Hanaa El–Sayed, PhD
2010-2012 Subhajit Dasgupta, PhD
2011 Gulfer Tabur, MD

MUSC

Faculty/Residents

Co-Mentor, Natasha Ruth, M.D., BIRCWH Scholar (Assistant Professor)

Vibhor Krishna, M.D. (2011-2013), Clemson University/MUSC, Resident
Avery Buckholz, M.D., Neurosurgery Resident, MUSC, 2012-2015

UK Postdoctoral Fellows

1989-1995	Maria C. de Beer, PhD
1989-1996	Ming-Shan Cheng, MD
1996-1998	Yizhao Li, MD
1996-1998	Jun Xie, MD
1996-2002	Hong Zhu, MD
1996-2002	Jin Yu, MD
1999-2002	Sofia Kovatcheva-Ivanova, PhD

Thesis committees

Date **Mentee name, thesis title (if available), your role, any explanatory notes**

USF

Graduate Student Committees

MUSC

Graduate Student Committees

2005	Octavia Peck, Physiology/Neuroscience
2006	Jennifer Cook, Microbiology and Immunology
2006	Kristen French, Pharmacology
2006-2009	Russell Pirlo, Bioengineering, Clemson University
2006-2009	Can Senekal, Biochemistry
2008-2013	Andrew Elvington, Microbiology
2009-2010	Arelis Salas, Biochemistry
2010-2013	Yael Edrey, UTHSC San Antonio
2011-2015	Hampton Andrews, Medical Student
2012-2015	Mohammed Abdul Alshareef, Medical Student
2011-2014	Yan Kuang, Bioengineering, Clemson University
2011-2015	Nick Erdman, Bioengineering, Clemson University
2012-2015	Jeremy Zhang, Bioengineering, Clemson University
2013-2015	Phillipp Summers, Neurosciences, MUSC
2013-2016	Jason Wheeler, MCBP, MUSC
2013-2015	Thomas Powers, Pharmacology, MUSC
2014-2015	Justin Nice, Bioengineering, Clemson University
2014-2015	Aarti Narang, Pediatrics, MUSC

UK

1989–2002 University Student Committee Member

1989-1992	Carrie R-Schaeffer, Biochemistry, PhD
1990-1993	John Osborne, Anat Neuro, PhD
1990-1993	Sue Ruff-Jamison, Biochemistry, PhD
1991-1994	Mike Olcott, Biochemistry, PhD
1991-1994	Banu Sankaran, Biochemistry, PhD
1991-1994	Mike Shoemaker, Biochemistry, PhD
1991-1993	Debra Gunnensen, Biochemistry, PhD
1991-1993	Warren Nothnik, Physiology, PhD
1991-1992	Riechang Yan, Biochemistry, PhD
1992-1996	Laurie Gardner, Anat Neuro, PhD
1992-1998	Glenda Spencer, Toxicology, PhD
1992-1996	Matt Taylor, Biochemistry, PhD
1992-1999	Tracy Edgerton, Physiology, PhD
1992-1995	Amy Wilson, Microbiology, PhD
1993-1995	Chifu Huang, Med Pharm, PhD
1993-1997	Gabriel Bikah, Microbiology, PhD
1993-1998	Angie Fulks, Chemistry, PhD
1993-1997	Sridhar Ramanathan, Chemistry, PhD

1994-1999	Valerie McGovern, Nutrition, PhD
1993-1997	Helen Niu, Physiology, PhD
1994-1998	Jennifer Lewis, Chemistry, PhD
1994-1998	George Yuan, Biochemistry, PhD
1995-1999	Vesna Schauer, Chemistry, PhD
1995	Stan Baldwin, Anat Neuro, outside, PhD

Educational Program Building / Leadership

Date Role/percent effort, name of educational program or curriculum, any explanatory notes

Visiting Scientists

1995-1997	Lingyi Chi, MD
1996-1997	Xiufu Chi, MD, Chair, Department of Neurology, Shandong University

Educational Demonstration Activities to external audiences, on or off campus

Date Educational technique or program, observing party, venue

NA

RESEARCH ACTIVITIES

Research Focus

Ischemia/reperfusion injury, gene expression, amyloid formation and Alzheimer's disease, protein structure and function.

Research Program Building / Leadership

Date Role, name of research / basic science program, notes

08/2002-12/2009 Director, Neuroscience Institute (MUSC)

Research Demonstration Activities

Date Research technique, observing party, venue

NA

Inventions, Patents, Copyrights

Patents

Patent #: 6,967,192	Seventeen amino acid peptide (Peptide P) for treating ischemia and reperfusion injury
Patent #: 6,900,178	Protection against ischemia and reperfusion injury
Patent #: 6,645,938	Protection against ischemia and reperfusion injury
Patent #: 6,544,950	Seventeen amino acid peptide (Peptide P) for treating ischemia and reperfusion injury
Patent #: 6,316,411	Protection against ischemia and reperfusion injury
Patent #: 6,294,519	Method for treating ischemia
Patent #: 7,060,792	Protection against ischemia and reperfusion injury
Patent #: 8,524,741	Compositions and methods relating to solenopsins and their uses in treating neurological disorders and enhancing cognitive and physical performance (CA 2657256, EP2043642A2, AU2007272619, CN101594867, WO90/07274)
Patent #: 8,673,852	Methods of treating neuronal disorders using MNTF peptides and analogs thereof
Patent #: 8,846,615	MNTF peptides
Patent #: WO/2013/109949	Therapeutic Uses of tetrachlorodecaoxygen (TCDO)
Patent#: 20090286747	Compositions and methods relating to solenopsins and their uses in treating neurological disorders and enhancing cognitive and physical performance

Patents Pending

20140356452 Therapeutic Uses of Tetrachlorodecaoxygen (TCDO)

Patents Under consideration

Use of antisense oligonucleotides against serum amyloid A proteins to treat neurological and inflammatory disorders

Use of antisense oligonucleotides against serum amyloid P proteins to treat neurological and inflammatory disorders

Use of antisense oligonucleotides against fibroblast growth factor 23 (FGF23) to treat cardiovascular (left ventricular hypertrophy) and cerebrovascular (stroke) diseases

Technology Transfer Activities (e.g. Company Start-ups)

Date Role, title, notes

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation Focus

The goal is to develop novel technologies in science and health that can be transferred to other researchers and clinicians to improve the health of all individuals.

System Innovation and Quality Improvement efforts:

Date Role/percent effort; name of site intervention, venue (s), and results (e.g., clinical outcomes, process measures, financial)

See below.

System Innovation and Quality Improvement Program Building/Leadership:

Date Role/percent effort; name of Innovation and QI program
2002-2015 PI/10%; Center of Economic Development in Neuroscience Research, MUSC
PI/10%; Center of Economic Development in Stroke, MUSC

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

Date Role, Committees, any explanatory notes
1989-2002 Associate Member Center on Aging, University of Kentucky School of Medicine, Lexington, KY
1993-2002 Director, Head Trauma Research Facility, Department of Surgery, University of Kentucky School of Medicine, Lexington, KY
1994-2002 Director, Molecular Medicine Core, Department of Internal Medicine, University of Kentucky School of Medicine and VA Medical Center, Lexington, KY
1995-1997 Interim Associate Director of the Stroke Program, University of Kentucky School of Medicine, Lexington, KY
1996-2002 Associate Member, Center for Membrane Sciences, University of Kentucky School of Medicine, Lexington, KY
1997-2002 Director of Research, Stroke Program, University of Kentucky School of Medicine, Lexington, KY
2000-2002 Associate Director of the Stroke Program, University of Kentucky School of Medicine, Lexington, KY
2002-2007 Associate Director of the South Carolina Spinal Cord Injury Center, Medical University of South Carolina, Charleston, SC
2002-2015 Member, Marine Biomedicine and Environmental Sciences, Medical University of South Carolina, Charleston, SC
2002-2015 Member of the Center on Aging, Medical University of South Carolina, Charleston, SC
2002-2007 Director, Stroke Program of South Carolina, Medical University of South Carolina, Charleston, SC
2003-2007 Director, Neuroscience Institute, Medical University of South Carolina, Charleston, SC
2005-2015 Director, Phenomics Center, Medical University of South Carolina, Charleston, SC
2006-2009 Assistant Provost for Research (Technology Transfer and Corporate Relations), Medical University of South Carolina, Charleston, SC
2007-2010 Director, Small Animal Imaging, Medical University of South Carolina, Charleston, SC
2012-2013 Acting Deputy Associate Chief of Staff for Research, Ralph H. Johnson VA Medical Center, Charleston, SC
2012-2015 Chair, Equipment Committee, Ralph H. Johnson VA Medical Center, Charleston, SC
2012-2015 Deputy Associate Chief of Staff for Research, Ralph H. Johnson VA Medical Center, Charleston, SC
2013-2015 Research Integrity Officer, Ralph H. Johnson VA Medical Center, Charleston, SC
2014-2015 Associate Chair for Research, Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina, Charleston, SC
2015-present Associate Dean for Research and Innovation, College of Pharmacy, University of South Florida, Tampa, FL
2015-present Associate Member, Byrd Alzheimer's Institute, Morsani College of Medicine, USF, Tampa, FL
2016-present Acting Co-Chair, Department of Pharmaceutical Sciences, College of Pharmacy, University of South Florida, Tampa, FL

University of Kentucky

1989, 1990, 1991, 1993 Ad Hoc Reviewer, Medical Center Biomedical Research Support Grant Program (BRSG)

1990 Coordinating Reviewer, Veterans Administration Research Advisory Group (RAGS)

1991–2002 Reviewer, Veterans Administration (VA) Merit Grants

1991–2002 Member, Graduate Program in Biochemistry (Molecular and Cellular Biochemistry)

1992 Director, Undergraduate Summer Student Program

1992–2002 Graduate Student Selection Committee

1992–2002 Member, Graduate Program in Toxicology

1993–2002 Permanent Reviewer, VA Medical Center

1993 Organizer, Problem Based Learning (PBL) for Biochemistry Faculty

1993-1999 Organizer, Biochemistry Retreat

1993–2002 Member, Brochure Design Committee, Dept. of Biochemistry

1993–2002 Member, Medical Center Institutional Animal Care and Use Committee (IACUC)

1993–2002 Member, Student Progress and Promotion Committee

1994–2002 Organizer, PBL on Gene Therapy for Medical Students

1994–2002 Member, VA Animal Care Committee, Lexington VA

1994–2002 Member, VA Equipment Committee, Lexington VA

1994–2002 Member, Graduate Program in Neurosciences

1994–2002 Member, Graduate Program in Nutritional Sciences

1994–2002 Chairman, VA Animal Care Committee, Lexington VA

1994–2002 VA Research and Development Committee, Lexington VA

1995–1999 Chairman, Medical Center IACUC Committee

1996–1997 Chairman, Research and Development Committee, Lexington VA

1998–1999 Organizer, 1999 2nd Life Sciences Day

2000 Organizer, Biology of Aging Symposium (co–Chair)

2001 Organizer, Biology of Aging Symposium (Chair)

2001 Search Committee, UK Veterinarian

Medical University of South Carolina

2002–2015 Member, Center on Aging Executive Committee

2002-2105 Member, Department of Neurosciences Promotion and Tenure Committee

2002–2015 Member, Veterans Affairs Medical Center IACUC

2002–2015 Member, MUSC Graduate School

2003–2007 Member, Patent and Intellectual Property Review Committee

2003–2006 Member, College of Medicine Research Advisory Committee

2003–2015 Member, MUSC IACUC (Chair, 2008)

2003–2007 Member, Center for Advanced Imaging Research (CAIR) Steering Committee

2003–2007 Organizer, Annual Frontiers in Neuroscience Day

2006 Organizer, Georgia/South Carolina Neuroscience Consortium Meeting (Charleston, SC)

2006–2007 MUSC Representative for South Carolina at Annual BIO Conference

2004–2015 Member, MUSC Radiation Safety Committee

2005–2009 Member, Associate Provost for Research Advisory Committee

2005–2015 Member, Phenomics Center Advisory Board

2006–2009 Member, MUSC University Research Council

2007–2010 Member, Steering Committee, Drug Discovery Building

2007–2010 Member, Steering Committee, Bioengineering Building

2009–2012 Member, South Carolina Aging Research Network (SCARN) Advisory Board

2010–2015 MUSC Member, South Carolina MedTransTech Steering Committee

2010–2012 Member, MUSC Entrepreneurialism Steering Committee

2011 Reviewer, ACS IRG Review Committee (Hollings Cancer Center, MUSC)

2011–2012 Member, Promotion & Tenure Working Group, Department of Regenerative Medicine and Cell Biology

2013 Member, Faculty Retreat on Collaborative degree programs with the College of Charleston

2014-2015 Member, 2014 Strategic Planning Meeting, VA and MUSC Representative, MUSC (2015-2019)

University of South Florida (USF), James A. Haley VAMC

2015-present Member, Promotion and Tenure Committee, Department of Pharmaceutical Sciences, COP

2015-present Member, Promotion and Tenure Committee, College of Pharmacy

Member, Executive Committee, College of Pharmacy

Member, Dean's Council, College of Pharmacy
 Member, Associate Dean's for Research Committee, USF Research and Innovation
 Member, USF System Research Strategic Planning Committee (RSPC)
 Member, International Brain Injury Research Network (IBIRN)
 Affiliate Member, Nanotechnology Research and Education Center
 Member, Neuroscience Collaborative, University of South Florida
 VA Member, USF IACUC Committee
 2017-present Member, VA Biosafety Committee (SRS)
 2017-present Member, Dementia Board, JAH VAMC
 2017-present Member, PMR&S Board, JAH VAMC
 2017-2018 Member, Curriculum Committee COP
 2018-present Member, Admissions Committee COP
 2019-present Director, Botanical Medicine Research and Education Center
 2019-present Director, USF Industrial Hemp Pilot Project

Editorial Activities

Editorial Board appointments

Date	Role, Editorial Board name
Current	
2011-present	Editorial Board member, Neuromolecular Medicine
2011-present	Editorial Board member, Journal of Neuroinflammation
2011-present	Handling Editor, Journal of Neurochemistry
2013-present	Associate Editor, Current Aging Science
2013-present	Associate Editor, Challenges in Regenerative Medicine
2014-present	Editorial Board member, Translational Stroke Research
2014-present	Editorial Board member, Neurology: Open Access
Past	
1999-2002	Associate Editor, Journal of Alzheimer's Disease
2010-2013	Associate Editor, Journal of Alzheimer's Disease
2011-2016	Executive Editor, Clinical and Cellular Immunology
2012-2015	Editor-in-Chief, International Journal of Neuropathology
2012-2016	Editor-in-Chief, Internal Medicine: Open Access
2013-2016	Managing Editor, Journal of Neurology and Neurosurgery
2014-2016	Editor-in-Chief, Journal of Immunology and Immunotherapeutics
2014-2016	Editor-in-Chief, Austin Alzheimer's and Parkinson's Disease
2015-2016	Editor-in-Chief, Journal of HIV and AIDS
2015-2016	Guest Editor, International Journal of Alzheimer's Disease
2015-2016	Guest Editor, Austin Journal of Clinical Neurology

Member Editorial Boards

1994	Neuroscience Research Communications
1997-2000	American Journal of Pathology
1999-2005	Amyloid
2007-2008	Stroke
2007-2016	Neural Regeneration Research
2007-2016	Future Neurology
2009-2016	American Journal of Translational Research
2009-2016	Open Journal of Neuroscience
2009-2016	International Journal of Alzheimer's Disease
2011-2016	World Journal of Translational Medicine
2011-2016	World Journal of AIDS
2011-2016	Open Journal of Immunology
2011-2016	World Journal of Vaccine
2011-2016	Journal of Alzheimer's Disease & Parkinsonism
2011-2012	Atherosclerosis, Thrombosis and Vascular Biology
2011-2016	Guest Editor, World Journal of Neuroscience

2011–2016 World Journal of Biological Chemistry
2011–2016 World Journal of Methodology
2012 Guest Editor, International Journal of Alzheimer’s Disease, Special Issue on Alzheimer’s Disease: Environmental and Epigenetic Factors
2012–2016 Journal of Genetic Disorders & Disease Information
2013–2016 Oceanography: Open Access
2013–2016 World Journal of Methodology Editorial Board
Journal of Neurology and Translational Neurosciences
Austin Journal of Drug Abuse and Addiction
International Journal of Forensic Science & Pathology
Journal of Cardiology & Clinical Research
Austin Journal of Clinical Cardiology
Austin Journal of Genetics and Genomic Research
2014–2016 Austin Vaccines
Austin Journal of HIV/AIDS Research
Journal of AIDS Clinical Research and STDs
Journal of Neurocardiovascular Disease
Journal of Gene Therapy and Genetic Disorders
Clinical Interventions in Aging
Journal of Inflammation Research
Austin Journal of Cerebrovascular Disease and Stroke
Journal of Addiction and Neuropharmacology
Austin Journal of Cardiovascular Disease and Atherosclerosis
SIDS Clinical Research and STDs
Medical Genomics and Biomarkers
Journal of Experimental Cardiology and Research
Austin Journal of Alzheimer’s and Parkinson’s Disease
International Journal of Vaccines and Research
Annals of Neuroscience and Psychology
Journal of Parkinson’s Disease and Alzheimer’s Disease
Journal of AIDS Clinical Research and STDs
Journal of Cardiovascular Disease
International Journal of Neural Science and Brain Research
Journal of Immunology and Immunotherapeutics
International Journal of HIV/AIDS and Research (IJHR)
Scholarena Journal of Cardiology
Scholarena Journal of Neurology
Journal of AIDS and Immune Research
Journal of AIDS and HIV
International Journal of Vaccines and Immunization
International Journal of Stem Cell Research and Transplantation
Journal of Medical Education and Informatics
International Journal of Neurology and Brain Disorders
Pharmacologia
Drug Design, Development and Therapy
Journal of Genetic Disorders and Genetic Reports
Advances in Genetic Engineering
2015–2016 SM Vaccines and Vaccination Journal (SMVVJ)
Roger Journal of Cardiology
Journal of Clinical and Experimental Ophthalmology
Journal of HIV/AIDS
Journal of Neuroscience and Neuroeconomics
Jacobs Journal of Anatomy
Journal of Aging and Disease
Journal of Vaccine Research
Journal of Clinical Case Reports and Reviews
Journal of Cancer Biomarkers
Journal of Immunological Diseases and Disorders

Journal of Biomedical Sciences
 Stem Cells and Regenerative Biology
 Journal of Global Vaccines and Immunology
 International Journal of Neurological Disorders & Interventions
 Annals of Alzheimer's and Dementia Care
 Kenkyu Journal of Pharmacology
 Journal of Clinical Case Studies
 Nutrition and Food Sciences
 Journal of Clinical Interventions in Aging
 Trends in HIV/AIDS
 SRL Alzheimer's & Parkinson's Disease
 SRL Cardiovascular Diseases & Diagnosis
 Journal of Clinical & Experimental Neuroimmunology
 Journal of Immunology and Immunotherapy
 Brain Circulation
 Insights in Blood Pressure
 Translational Brain Rhythmicity
 Madridge Journal of Pharmaceutical Research
 Clinical Trails and Case Studies Journal
 JBR Journal of Translational Biomarkers & Diagnosis
 Journal of Clinical Case studies
 European Medical Journal
 JSM Clinical and Medical Imaging
 Biomedical Research
 Reactive Oxygen Species
 SciTz Gynecology & Reproductive Medicine
 Annals of Alzheimer's and Dementia Care
 SciFed Drug Delivery & Research Journal
 Journal Clinics in Oncology - Radiation Oncology
 Annals of Cardiovascular Diseases
 Journal of Zoological Sciences
 Clinics in Oncology
 Translational Biomedicine
 Journal of Imaging Sciences
 HeighPubs Journal of Pathology and Clinical Research
 HeighPubs Clinical Microbiology and Biochemical Technology
 Journal of Oncology and Therapeutics
 Journal of Clinical Nephrology
 Journal of Genetic Medicine and Gene Therapy
 Journal of Stroke Research
 Journal of Cancer and Cure
 Internal Medicine Research-Open Journal
 Journal of Nutrition & Food Sciences
 Scifed Pharmaceuticals Journal
 OBM Geriatrics

Journal peer review activities

Date	Journal full name <i>(do not abbreviate here)</i>
1992–present	Proceedings of the National Academy of Science, Science, Nature, Nature Neuroscience, Nature Medicine, Experimental Biology, Journal of Neurochemistry, Journal of Neuroscience, Neuroscience, Biochemistry, Journal of Biological Chemistry, Journal of Biochemistry, Biology of Aging, Experimental Neurology, Brain Pathology, Arteriosclerosis, Thrombosis and Vascular Biology, Neurobiology of Disease, American Journal of Pathology, Neurology, Journal of Immunology, Journal of Neuroinflammation, Nutrition Journal, Stroke, Acta Histochemica, Circulation, Analytical Biochemistry, Brain Pathology, International Journal of Cancer, Brain Research, Experimental Neurology, Cellular and Molecular Neurobiology, Neuroscience Letters, Journal of Neurological Sciences, BBRC, Biochimica et Biophysica Acta, Journal of Cerebral Blood Flow and Metabolism, Genomics, Biochemical Journal, Journal of Experimental Biology, FASEB, Neurobiology of Aging, Endocrine Research, Anatomical

Record, Journal of Molecular Medicine, Journal of Neuroscience Research, Gene Therapy, PLoS ONE, Tissue Engineering, Current Drug Safety, International Journal of Molecular Sciences, Life Sciences Journal, Scientific Reports, Brain Research Bulletin, Muscle and Nerve, Cell Biology and Toxicology, Neurochemical Research, Nature Communication, Brain Research Bulletin, Cell and Molecular Neurobiology, Computers in Biology and Medicine, World Journal of Immunology, Acta Biomaterialia, Journal of Cardiovascular Diseases & Diagnosis, Journal of Clinical Toxicology, Journal of Hypertension: Open Access, Journal of Genetic Disorders and Genetic Reports, Molecular Neurobiology, Neuropharmacology, Processes, Nutritional Neuroscience, FEBS Journal, British Journal of Medicine and Medical Research, AIMS Neuroscience, African Journal of Biochemical Research, Aging and Disease, Aquatic Toxicology, Biochemical Pharmacology, Neurochemistry International, Neuropsychopharmacology, Journal of Neuroscience and Neurology, International Journal of Environmental Research and Public Health

Other peer review activities [*non medico-legal*]

Date	Role, sponsor/group
NA	

Advisory Committees, Review Groups/Study Sections

Date	Role, sponsor/organization/group
1993-1994	Ad Hoc Reviewer, Neurology A Study Section, NINDS, NIH
1993,1994	Ad Hoc Reviewer for Biological Science Study Section 1 (NIH)
1993	Ad Hoc Reviewer, Program Project Review, NINDS, NIH
1997	Ad Hoc Reviewer, NIH Site Visit Committee
1997	Ad Hoc Reviewer, NIH Site Visit (Duke University)
1997–1998	Scientific Advisor/Organizer VIIIth International Symposium on Amyloidosis, Rochester, MN August 1998
1998–2004	Reviewer/Member, VA Merit Review, Neurobiology Study Section
1999-2003	Reviewer/Consultant, Defense Advanced Research Project Agency (DARPA), Continuous Assisted Performance (CAPS) Program
1999	Reviewer, NIH Special Emphasis Panel (SEP) ZRG1 Molecular, Cellular, and Developmental Neuroscience (MDCN)–2
1999–2000	Ad hoc Member, MDCN–2 Study Section (NIH)
1999–present	Reviewer, Alzheimer's Association
2000–present	Reviewer, National Research Council
2000–2001	Scientific Advisor/Invited Speaker IXth International Symposium on Amyloidosis, Budapest, Hungary July 15–21, 2001
2001–2003	Scientific Advisory Board, Xth International Symposium: New Frontiers of Neurochemistry and Biophysics on Diagnosis and Treatment of Neurological Diseases, Firenze, Italy, October 11–13, 2001
2002	Reviewer, Metabolism SEP (Aug, 2002) (NIH)
2002–2004	Ad Hoc Reviewer, Pathology A Study Section (NIH)
2002–2006	Member, American Heart Association (AHA) Brain 1 Study Section
2002–2007	Spinal Cord Injury Grant Review Coordinator
2003	Ad Hoc Reviewer, Special Emphasis Panel to review Centers of Clinical Research Excellence (NIH)
2003–2005	Ad Hoc Reviewer, Atherosclerosis, Inflammation and Chronic Syndrome (ACIS) Study Section (NIH)
2004	Ad Hoc Reviewer, Proteomics in Aging and Age–Related Disorders RFA SEP (NIH)
2004–2005	Ad Hoc Reviewer, NDBG SEP Mitochondria and Neurodegeneration (NIH)
2005–2007	Member, AICS Study Section, NIH
2006–present	Reviewer, Catalan Agency for Health Technology Assessment and Research, Spain
2006–present	Reviewer, Georgian Research Council
2007–2011	Member, Neural Oxidative Metabolism and Death (NOMD) Study Section (NIH)
2007-2010	AFAR Southeast Affiliate Grant Program, Reviewer
2008-2009	Advisory Committee, Charleston Innovation Center, Charleston, South Carolina
2009	Ad Hoc Chair, Biophysics of Neural Systems (BPNS) NIH Study Group SEP
2009	Ad Hoc Chair, Neurotransporters, Receptors, Channels and Calcium Signaling (NTRC) NIH Study Group SEP
2009–present	James and Esther King Biomedical Research Program, Grant Reviewer
2009–2014	Member, Research Career Scientist Review Committee, VA
2009–2011	Chair, NOMD NIH Study Group

2009–present Medical and Scientific Advisory Panel, Alzheimer’s Disease International

2010–present Nature Reader Panel

2010–present Member, AHA Brain 1, 2 and 3 Study Sections

2010–present AFAR’s National Scientific Advisory Council (NSAC)

2010 CDMRP ALS Review Panel (Wash, DC; October 2010)

2011–present International Society for Translational Medicine Co-Chair, Development Committee (2011–present)

2011–present Kansas City University of Medicine and Biosciences, Grant Reviewer

2012–2016 American Society for Neurochemistry Public Policy and Education Committee (2012–2016)

2011 CDMRP ALS Review Panel (Wash, DC; October 19-21, 2011)

2011 Ad Hoc Member, NIH Vascular and Cell Biology Study Section (VCMB), October 12-13, 2011

2011 Ad Hoc Member, NIH SEP AREA Grants, CSR, MDCN-E Study Section (Nov. 10-11, 2011)

2011–present Shota Rustaveli National Science Foundation, Federal Republic of Georgia, Reviewer

2011–present Reviewer, Parkinson’s UK, United Kingdom

2012–present Member, NIH SEP AREA Grants, CSR, MDCN-E Study Section

2012 Ad Hoc Member, NIH Cellular and Molecular Biology of Glia (CMBG) Study Section (February 9-10, 2012)

2012 Ad Hoc Member, NIH Vascular and Cell Biology Study Section (VCMB), June 12-13, 2012

2012–present SENS Foundation Member (*Strategies for Engineered Negligible Senescence*)

2012–present The Cure is Now, Board Member and Chief Scientific Advisor

2012 Ad Hoc Member, Neural Oxidative Metabolism and Death (NOMD) Study Section NIH, October 11, 2012

2012 Chair, ZRG1, Molecular, Cellular and Developmental Neurosciences (MDCN)

N03 Study Section (IAM), NIH, December 6-7, 2012

2013 Ad Hoc Member, NIH Vascular and Cell Biology Study Section (VCMB), Feb 21-22, 2013, Santa Monica, CA

2013 Member, DNDA R15 AREA Review Meeting: 2/28-3/1, 2013, Alexandria, VA

2013 Ad Hoc Member, NIH MDCN Study Section, March 15, 2013 (teleconference)

2013 ZRG1 VH – C (90) VAM Special Emphasis Panel meeting, R15 grant review (Teleconference), 03/20/2013

2013 2013/05 ZRG1 MDCN-R (02) S, Neuronal Communication (Teleconference), 04/05/2013, Chair

2013 Member, ZRG1 MDCN-R (86) Study Section, R15 AREA Grants

2013 MDCN/DDS, Special Emphasis Panel meeting, (Teleconference), 05/05/13

2013 Ad Hoc Member, NIH NOMD Study Section, June 13-14, 2013

2013 Ad Hoc Member, ZRG1 MDCN-T (91) S, Neurodegeneration, June 13, 2013

2013 Member, DNDA R15 AREA Review Meeting: June 27, 2013, Alexandria, VA

2013 Member, The Netherlands Organisation for Health Research and Development (ZonMw), TOP Programme (Ad Hoc Reviewer)

2013 CSR's New Chair Orientation Program, September 9, 2013, Invited participant

2013 VCMB Study Section, Oct 17-18, 2013, Washington, DC (Dec. 3, 2013)

2013-2014 Member, International Advisory Board, Alzheimer’s Disease International 2014 Conference, San Juan Puerto Rico (May 1-4, 2014).

2013 Video Assisted Meeting panel member, NHLBI, Area R15 Applications. Nov. 22-26, 2013.

2013 Member, DNDA R15 AREA Review Meeting: Dec. 9-10, 2013, DC (Oct. 24-25, 2013).

2014 Co-Chair, AHA Brain 2 Study Committee, 4/14/14

2015 Ad Hoc Member, NIH NOMD Study Section, Feb. 20-21, 2014

2014/05 ZRG1 MDCN-B (91) S Molecular Mechanisms of Neurodegeneration, Feb 20, 2014

2014 Member, MDCN-R (86) R15 AREA Applications Review March 6-7, 2014.

2014 Advisory Committee, 16th International Conference on Brain Edema and Cellular Injury, Chair and Invited Speaker, September 27-30, 2014, Loma Linda University, Huntington Beach, CA

2014 Ad hoc reviewer, NIH VCMB Study Section, June 9-10, 2014, Washington, DC

2014 Ad hoc reviewer, NIH VCMB Study Section, September 29-30, 2014, Washington, DC

2014 Member, RR&D Research Career Scientist Award Study Section, August 1, 2014

2014-2015 Neurocon 2015, International Symposium on Neuroscience, “Development, Degeneration and Regeneration of Neurons: From Neurochemistry to Clinical Neurology”, January 8-11, 2015, Haldia, India, Advisory Committee, Invited Speaker, Session Chair

2014 Reviewer, Delaware CTR (ACCEL), Pilot Project Grants (fall 2014)

2014 Reviewer, San Antonio Life Sciences Institute, Grant Proposals, Research

2014 Excellence in Craniofacial Regeneration, University of Texas, fall 2014

2014 Ad hoc Reviewer, NIH NOMD Study Section, Washington, DC October 23-24,
2014 Ad Hoc Reviewer, Dutch Heart Foundation, Fall 2014 (CVON)
2014 VA ShEEP Award Review Committee, Dec. 9, 2014, conference call.
2015 DoD-CDMRP Review Committee, January 15-16, 2015, conference call
2015 CDMRP PRARP CSRA Panel, Washington, DC, March 4-6, 2015
2105 Organizing Committee member, American Global Summit and Expo on Vaccines & Vaccination,
October 05-07, 2015 San Francisco, USA
2015 Ad Hoc Member, NIH NOMD Study Section, February 19-20, 2015, San Francisco, CA
2015 Member, DNDA R15 AREA Review Meeting: Mar. 5-6, 2015, DC
2015 Member, Organizing Committee, Brain Disorders 2015 Conference, London, England, August 24-26,
2015 Member, Special Emphasis Panel on Superfund Research Program (SRP): February 25-27, 2015, Chapel
Hill, NC.
2015 Member, AREA Research Study Section, ZRG-1 VH-C (80) Vascular Biology and Hematology AREA,
April 17, 2015
2015 Ad Hoc Member, NIH VCMB Study Section, June 8-9, 2015, DC
2015 Organizing Committee Member, 5th International Conference on Alzheimer's Disease & Dementia,
during September 29- October 01, 2016 at London, UK
2015-2016 Organizing Committee Member, "International Conference on Cancer Immunology and
Immunotherapy-2016" which is slated for July 28-30 in Melbourne, Australia.
2016-present Organizing Committee Member, 2nd International Conference on Brain disorders at Chicago, USA
during October 27-29, 2016.
2016 Ad Hoc Member, NIH VCMB Study Section, Feb 22-23, 2016, San Diego, CA
2016 Ad Hoc Member, NIH AREA Research Study Section, ZRG-1 VH-C (80) Vascular Biology and
Hematology AREA, March 29, 2016
2016 Alzheimer's Association Grant Reviewer, January, 2016
2016 Chairperson, AHA SFRN Heart Failure, Chicago, IL April/May, 2016
2016 Ad hoc Member, NIH NOMD Study Section, June 15-16, 2016
2016-present Member, Oversight Advisory Committee, AHA SFRN Heart Failure, 2016-2018
2016 Scientific Organizing Committee, Biofabrication 2016 Meeting, Winston-Salem, NC, October 29-31,
2016
2017 Chair, Brain 2 Study Section AHA, April 18, 2017
2017 Leader, AHA Children's SFRN Research Study Group
2017 Member, AHA ARIEA Review Group
2017-present Ad hoc member, NurC VA Merit Review Committee
2018 Ad hoc Reviewer, Alzheimer's Association
2018-present Member, AHA ARIEA Review Group
2018-present Ad Hoc, NIH AREA Study Section, ZRG-1
2018-present Ad hoc RR&D Small Projects in Rehabilitation Research (SPiRE) Award (I21)
2018-present Chair, AHA Career Development Award Organ Basic Sciences
2018-present Alzheimer's Association Research Grant (AARG) Review Committee
2018-present F03B; Biophysical, Physiological, Pharmacological and Bioengineering Neuroscience, NIH
2019-present Lifelong Learning Activity Review group for the AHA
2019-present STROKE Quality and Outcomes Committee of the Stroke Council

Professional Societies

International

1993-present International Society for Amyloidosis, Member
2001-present International Society for Neurochemistry, member
2009-present International Alzheimer's Association, member
2011-present International Society for Cerebral Blood Flow and Metabolism, member
2011-present International Society for Translational Medicine, member
2015-present National Academy of Inventor, member

National

1984-present Northeast Connective Tissue Society
1986-present American Association for the Advancement of Science
1991-present Society for Neuroscience
1993-present American Society for Neurochemistry

2008-present American Chemical Society
 2008-present American Society for Pharmacology and Experimental Therapeutics
 2009-present Gerontology Society of America
 2009-present American Aging Association
 2010-present The British Longevity Society
 2013-present Biomedical Engineering Society
 2013-present TERMIS (Tissue Engineering International & Regenerative Medicine Society)
 2014-present AHA Stroke Council, Member
 2014-present AHA Industry Nutritional Advisory Panel (INAP), Member
 2015-present Fellow of the American Heart Association, Stroke Council
 2015-present International Brain Injury Research Network (IBIRN), Member
 2016-present AHA Council for Hypertension, Member
 AHA Council for Functional Genomics and Translational Biology, Member
 Get with the Guidelines, Stroke and ASA/AHA Target: Stroke, Member
 AHA/ASA Research Leaders Academy, Member
 AHA Arteriosclerosis, Thrombosis and Vascular Biology, Member

Conference Organizer (separate into Regional - National - International activities)

Date Sponsor/organization/group
 1997–1998 Scientific Advisor/Organizer VIIIth International Symposium on Amyloidosis, Rochester, MN August 1998
 2000–2001 Scientific Advisor/Invited Speaker IXth International Symposium on Amyloidosis, Budapest, Hungary July 15–21, 2001
 2001–2003 Scientific Advisory Board, Xth International Symposium: New Frontiers of Neurochemistry and Biophysics on Diagnosis and Treatment of Neurological Diseases, Firenze, Italy, October 11–13, 2001
 2014 Advisory Committee, 16th International Conference on Brain Edema and Cellular Injury, Chair and Invited Speaker, September 27-30, 2014, Loma Linda University, Huntington Beach, CA
 2014-2015 Neurocon 2015, International Symposium on Neuroscience, “Development, Degeneration and Regeneration of Neurons: From Neurochemistry to Clinical Neurology”, January 8-11, 2015, Haldia, India, Advisory Committee, Invited Speaker, Session Chair
 2105 Organizing Committee member, American Global Summit and Expo on Vaccines & Vaccination, October 05-07, 2015 San Francisco, USA
 2015 Member, Organizing Committee, Brain Disorders 2015 Conference, London, England, August 24-26,
 2015 Organizing Committee Member, 5th International Conference on Alzheimer’s Disease & Dementia, during September 29- October 01, 2016 at London, UK
 2015-2016 Organizing Committee Member, "International Conference on Cancer Immunology and Immunotherapy-2016" which is slated for July 28-30 in Melbourne, Australia.
 2016-present Organizing Committee Member, 2nd International Conference on Brain disorders at Chicago, USA during October 27-29, 2016.
 2016 Member, Oversight Advisory Committee, AHA SFRN Heart Failure, 2016-2018
 2016 Scientific Organizing Committee, Biofabrication 2016 Meeting, Winston-Salem, NC, October 29-31, 2016
 2018 Organizer, New perspectives on central and peripheral inflammation in traumatic brain injury, Tampa, FL, May 17-18, 2018; Veterans Affairs Medical Center
 2018 Organizer/Speaker, Explorations in Female Military Brain Injury Summit, James A. Haley VAMC, Monday, December 17, 2018
 2019 AHA Cor Vitae Program, Palm Beach AHA, November 7, 2019

Session Chair (separate into Regional – National - International activities)

Date Sponsor/organization/group
 2000–2001 Scientific Advisor/Invited Speaker IXth International Symposium on Amyloidosis, Budapest, Hungary July 15–21, 2001
 2001–2003 Scientific Advisory Board/Invited Speaker, Xth International Symposium: New Frontiers of Neurochemistry and Biophysics on Diagnosis and Treatment of Neurological Diseases, Firenze, Italy, October 11–13, 2001
 2014 Advisory Committee, 16th International Conference on Brain Edema and Cellular Injury, Chair and Invited Speaker, September 27-30, 2014, Loma Linda University, Huntington Beach, CA

2014-2015 Neurocon 2015, International Symposium on Neuroscience, "Development, Degeneration and Regeneration of Neurons: From Neurochemistry to Clinical Neurology", January 8-11, 2015, Haldia, India, Advisory Committee, Invited Speaker, Session Chair

Consultantships

Date	Organization/agency, notes
1998–2000	Centaur Pharmaceuticals, Sunnyvale, CA
1998–2000	Zymogenetics, Inc. Seattle, WA
1998–2000	Protein Technologies, Inc., Tucson, AZ
2004–2014	IBT, Greenville, SC
2009–2015	TransTech Pharma, Inc., High Point, NC
2013–2015	Immogen Therapeutics, Inc., Kuala Lumpur, Malaysia

RECOGNITION

Awards, Honors

Date	Title, description, sponsor, any explanatory notes
1980	Jackson Laboratory Summer Research Fellowship, Bar Harbor, Maine; "Immunohistochemical and biochemical studies of SN-glycerol-3-phosphate dehydrogenase development in the central and peripheral nervous systems of normal and mutant mice." (1980). <i>Summer and Academic Year Student Reports</i> . Paper 718.
1982	Research Fellowship, Department of Biochemistry, Boston University School of Medicine
1983-1986	National Institute of Health Training Grant, Boston University School of Medicine
1986	Department of Biochemistry Research Assistant Fellowship, Boston University School of Medicine
1987	Anna Fuller Fund Postdoctoral Fellowship, Salk Institute
1990	Articles Alert Review in <i>The Scientist</i>
1999-present	Annual Certificate of Recognition, Alzheimer's Association
2000	Fogarty Senior Fellowship
2002	2002-2003 Charles T. Wethington, Jr. Award for Research Accomplishments
2002	Kentucky Colonel
2004	Honorary Professor, Great Wall Hospital, Jinan, China
2005	Guest Professor, Clinical Medical College of Shandong University and Shandong University Second Hospital, Jinan, China
2005-present	Honorary Professor, Leling Hospital, and Honorary Citizen, Leling, China
2007-present	Honorary Professor, Industrial Hospital of Shandong University, Jinan, China
2007	Certificate of Recognition, US Department of Health and Human Resources, NIH Study Section
2011	Nominee, 2011 South Carolina Governor's Award for Excellence in Science
2015-present	Member, National Academy of Inventors

Invited Talks

Regional

1990	Expression of the Xenopus c-fos Gene: Department of Biology, Centre College, Danville, KY, April 7.
1991	Role of the c-fos Gene in Ischemic Injury: Department of Pharmacology, University of Kentucky, September 15.
1991	C-fos and Development: Department of Biology, University of Kentucky, February 10.
1991	C-fos and Development: Department of Biology, University of Kentucky, February 10.
1992	Gene Expression in Ischemic Injury: Department of Physiology, University of Kentucky, March 22.
1994	SAA and Atherosclerosis: University of Marburg, Germany, July 19.
2003	Clemson University, Department of Bioengineering, March 7, 2003
2005	Department of Bioengineering, USC, December 6, 2005, "AGE receptors in Alzheimer's Disease".
2005	Department of Veterans Affairs, December 13, 2005, "A tale of two receptors: Mechanisms and therapeutics in Alzheimer's disease".
2006	Foundation for Research Development, April 20, 2006, "Biotechnology in South Carolina".
2006	SCBIO, March 27, 2006, "Starting a Biotechnology Company in South Carolina".
2006	Department of Commerce, March 23, 2006, "Biotechnology in South Carolina".
2006	Charleston Small Business Consortium, March 15, 2006, "Biotechnology in South Carolina".
2006	Medical University of South Carolina, Interview for Associate Provost for Research, January 30, 2006, "A tale of two receptors: Mechanisms and therapeutics in Alzheimer's disease".
2012	Biomedical Sciences Seminar Program, University of South Carolina, Columbia, SC, February 20, 2012 – Cathepsin B a novel target for AD".

- 2012 Wofford College, Spartanburg, SC, Department of Psychology, “Alzheimer’s disease: Therapeutic interventions”. September, 2012 (Invited speaker).
- 2012 Furman University, Greenville, SC, Alzheimer’s Day, September 8, 2012 (Invited Speaker).
- 2013 Department of Chemistry and Biochemistry, College of Charleston, September 12, 2013
- 2013 Department of Psychology, College of Charleston, September 18, 2013, Brain structure and function
- 2013 Department of Biomedical Engineering, University of South Carolina, September 26, 2013
- 2015 Roskamp Institute, Sarasota, Florida, 2015.
- 2015 Department of Neurology, University of South Florida, October, 16, 2015
- 2016 Department of Molecular Pharmacology and Physiology, University of South Florida, January 13, 2016.
- 2016 AHA Meeting, Tampa, FL, June 14, 2016
- 2016 Department of Neurology, University of Miami, Coral Gables, FL, June 27, 2016
- 2018 Speaker, “Explorations in Female Military Brain Injury Summit”, James A. Haley VAMC, Monday, December 17, 2018.

National

- 1998 Neurodegenerative Diseases. Mayo Clinic, Jacksonville, FL. January, 1998.
- 1999 Amyloidosis and RAGE. Society for Neurosciences Meeting, Miami, FL. October 25-29, 1999.
- 1999 Lipoproteins and Alzheimer’s disease. Scios, Inc., Mountain View, CA, July 26, 1999.
- 1999 Neurodegenerative Diseases, NINDS, NIH, Bethesda, MD July 15-16, 1999.
- 1999 Immunobiology Forum, University of Tennessee Medical Center, Knoxville, TN, April 25-27, 1999.
- 2000 Amyloidosis and RAGE, Case Western Reserve University, Cleveland, OH, February 21, 2000.
- 2001 Cellular Signaling in Cerebral Ischemia, Vertex Pharmaceuticals, Boston, MA, July 26th, 2001
- 2001 Animal Model of Stroke, ZymoGenetics, April 9-10, 2001
- 2001 Animal Models of Neurodegeneration, Wyeth-Ayerst, March 19-20, 2001
- 2006 University of California, San Diego, CA, August, 2006, “A tale of two receptor: Mechanisms and therapeutics in Alzheimer’s disease.”
- 2010 University of Florida, Gainesville, College of Veterinary Medicine, June 15-17, 2010. Role of RAGE in Alzheimer’s disease
- 2010 University of Texas Health Sciences Center San Antonio, Barshop Institute, March 31, 2010, Role of RAGE Receptors in AD.
- 2011 Department of Anesthesia, University of Maryland Medical School, May 10, 2011, Role of RAGE Receptors in AD
- 2011 Department of Anatomical Sciences and Neurobiology, University of Louisville, KY, June 1-2, 2011, Role of RAGE Receptors in AD
- 2011 “Cathepsin B as a novel target for AD”, Department of Physiology and Neuroscience Center, UTHSCSA, October 24-27, 2011
- 2014 Texas Tech University Health Sciences University, Lubbock, TX, Garrison Institute on Aging, “The Role of Cathepsin B in Inflammation and Neurological Disorders”, 2/27/2014
- 2014 University of South Florida, College of Pharmacy, “The Role of Cathepsin B in Inflammation and Neurological Disorders”, 6/18/2014
- 2014 University of Central Florida, “Developing a Brain Institute”, 10/14/14
- 2014 University of Washington, VA, “The Role of Cathepsin B in Inflammation and Neurological Disorders”, 11/03/2014
- 2015 University of South Alabama, “The Role of Cathepsin B in Inflammation and Neurological Disorders”, Distinguished Scientist Series, 4/30/2015
- 2017 Boston VA, “RAGE and AD”, Advancing Alzheimer and Aging Research 2017 (AAAR17), Boston, MA, June 15-16, 2017.
- 2018 Tampa VA, “Systemic inflammation and TBI”, New Perspectives on central and peripheral inflammation in Traumatic Brain Injury, Tampa, FL, May 17-18, 2018.

International

- 1996 Amyloidosis: Behringwerke A.G., Marburg, Germany, July 21.
- 2005 Cell signaling in stroke, Shandong University, Jinan, China, July 11, 2005
- 2005 Therapies in Alzheimer’s disease, Jinan Central Hospital, Jinan, China, July 9, 2005
- 2005 Stroke: Mechanisms of disease, Great Wall Hospital, Jinan, China, July 8, 2005
- 2005 Systemic interactions in Alzheimer’s disease, Laling Hospital, July 10, 2005
- 2006 Queensland Brain Institute, August 6, 2006, University of Queensland, Brisbane, Australia, “Mechanisms and therapeutics in Alzheimer’s disease”.

- 2007 Dual Role for TNF in Neurotrauma, Great Wall Hospital, Jinan, China, June 19, 2007
- 2007 San Diego VA, February 5-7, 2007, "A tale of two receptor: Mechanisms and therapeutics in Alzheimer's disease."
- 2009 University of Queensland, Brain Research Institute, Brisbane, Australia, October 26-30, 2009
- 2009 Molecular Mechanisms of Alzheimer's Disease, University of Queensland, Australia, April 2009
- 2009 Role of WWOX1 in the pathogenesis of AD, National Cheng Kung University Medical College, Institute of Molecular Medicine, Taipei, Taiwan, June 2009

OTHER PROFESSIONAL ACCOMPLISHMENTS

Posters (partial listing of over 150)

1. Kindy, M. (1980) Immunohistochemical and biochemical studies of sn-glycerol-3-phosphate dehydrogenase development in the central and peripheral nervous systems of normal and mutant mice. Jackson Laboratory Summer Proceedings.
2. Fox, T.O., Blank, D., Kindy, M.S. and Eli, C. (1981) Partial androgen receptor defect detected by DNA-binding for a case of familial incomplete testicular feminization. The Endocrine Society Meeting, Abstract.
3. Vito, C.C., Baum, M.J., Fox, T.O., Gallagher, C.A. and Kindy, M.S. (1982) Androgen and estrogen receptors in developing ferret brain. Society for Neuroscience Meeting, Abstract.
4. Stepp, M.A., Gerstenfeld, L.G., Beldekas, J.C., Kindy, M.S., Franzblau, C. and Sonenshein, G.E. (1983) Regulation of collagen synthesis in aortic smooth muscle cells. American Chemical Society Meeting, Abstract.
5. Kindy, M.S. and Sonenshein, G.E. (1986) Regulation of oncogene expression in cultured aortic smooth muscle cells. Second Annual Meeting on Oncogenes, Abstract.
6. Dempsey, R.J., Kindy, M., Combs, D.J. and Carney, J. (1990) Induction of the Proto-oncogene, c-fos in reperfused brain after transient ischemia: Relationship to brain edema development. American Association of Neurological Surgeons, 1990 Annual Meeting, Nashville, TN, Abstract.
7. Dempsey, R.J., Carney, J., and Kindy, M. (1990) Inducible ornithine decarboxylase expression in brain subject to vasogenic edema after transient ischemia: Relationship to c-fos gene expression. Brain Edema, The Eight International Symposium, June 17-20 1990, Bern/Switzerland, Abstract.
8. De Beer, M.C., Kindy, M.S., and De Beer, F.C. (1993) Biology of SAA5. VIIth International Symposium on Amyloidosis, July 11-15, 1993, Kinston, Ontario, Abstract and talk.
9. De Beer, F.C., Kindy, M.S., and De Beer, M.C. (1993) SAA and HDL Function. VIIth International Symposium on Amyloidosis, July 11-15, 1993, Kinston, Ontario, Abstract and talk.
10. Kindy, M.S., De Beer, M.C. McCubbin, W.D., Kay, C.M., and De Beer, F.C. (1993) SAA and HDL Function. VIIth International Symposium on Amyloidosis, July 11-15, 1993, Kinston, Ontario, Abstract and talk.
11. Dempsey, R.J., Hu, Y., and Kindy, M.S. (1994) Blockade of Ornithine Decarboxylase Limits Ischemic Brain Damage. 19th International Joint Conference on Stroke and Cerebral Circulation. American Heart Association, February 17-19, 1994, San Diego, CA.
12. Kindy, M.S. (1994) Protein phosphorylation in neuronal signal transduction following cerebral ischemia. 5th International Symposium on Pharmacology of Cerebral Ischemia. July 20-22, 1994, Marburg, Germany.
13. Kindy, M.S., de Beer, M.C., de Beer, F.C. (1994) The role of apo E in amyloid fibril formation. 4th International Symposium on Alzheimer's Disease and Related Disorders, July 29-Aug 3, 1994, Minneapolis, MN.
14. De Beer, F.C., de Beer, M.C., Kindy, M.S. (1994) Structural Prerequisites for Amyloid Fibrillogenesis. 4th International Symposium on Alzheimer's Disease and Related Disorders, July 29-Aug 3, 1994, Minneapolis, MN.
15. Kindy, M.S. (1995) FASEB: Amyloid and other abnormal protein assembly processes. FASEB Meeting, August 20-25, 1995, Cooper Mountain, Colorado.
16. Kindy, M.S., Yu, J., Miller, R.J., Roos, R.P., Ghadge, G.D. (1996) Adenoviral Vectors in Ischemic Injury. 6th International Symposium on the Pharmacology of Cerebral Ischemia, Marburg, Germany, July 21-24, 1996.
17. Kindy, M.S., Rader, D.J. (1998) Reduction in amyloid A amyloid formation in apolipoprotein E deficient mice. Amyloidosis: VIIIth International Symposium on Amyloidosis, Mayo Clinic, Rochester, MN, August 7-11, 1998.
18. Kindy, M. S., A. R. King, J. Yu, C. Gerardot, J. Whitley and F. C. de Beer. (1998) Adenoviral expression of murine serum amyloid A proteins to study amyloid fibrillogenesis. Amyloidosis: VIIIth International Symposium on Amyloidosis, Mayo Clinic, Rochester, MN, August 7-11, 1998.
19. Kindy MS, de Beer MC, de Beer FC. (1998) Effects of high levels expression of transgenic serum amyloid A proteins on high-density lipoprotein particles Amyloidosis: VIIIth International Symposium on Amyloidosis, Mayo Clinic, Rochester, MN, August 7-11, 1998.
20. Kindy M, Yu J, Zhu H, El-Amouri S, Hook V, Hook G. (2010) Roles of BACE-1 and Cathepsin B in the generation of Abeta peptide in Alzheimer's disease. Society for Neuroscience Meeting, San Diego, CA, Nov. 13-17, 2010.

21. Hook G., Kindy M. (2010) Oral administration of a cathepsin B inhibitor reduces brain Abeta in guinea pigs. Society for Neuroscience Meeting, San Diego, CA, Nov. 13-17, 2010.
22. Kindy M. (2010) Development of transgenic beagles of neurological disorders. Canine Cognition Meeting, Laguna Beach, CA, Nov. 1-12, 2010.
23. Hook V, Kindy M, Hook G, Funkelstein L. (2011) Cysteine Cathepsins in Secretory Vesicles Produce Active Peptides for Neurotransmission and for Alzheimer's Disease. International Proteolysis Meeting, San Diego, CA, Oct. 16-20, 2011.
24. Hook G, Hook V, Kindy, M. (2011) The cysteine protease inhibitor, E64d, reduces brain amyloid- β and improves memory deficits in Alzheimer's disease animal models by inhibiting cathepsin B, but not BACE1, β -secretase activity. International Proteolysis Meeting, San Diego, CA, Oct. 16-20, 2011.
25. Hook G, Yu J, Zhu H, El-Amouri S, Hook V, Kindy M. (2011) Cathepsin B has wild-type betasecretase activity relevant to Alzheimer's disease drug development. International Proteolysis Meeting, San Diego, CA, Oct. 16-20, 2011.
26. Hook G, Hook V, Kindy, M. (2011) The cysteine protease inhibitor, E64d, reduces brain amyloid- β and improves memory deficits in Alzheimer's disease animal models by inhibiting cathepsin B, but not BACE1, β -secretase activity. Society for Neuroscience Meeting, Washington, DC, Nov. 12-16, 2011.
27. Hook G, Yu J, Zhu H, El-Amouri S, Hook V, Kindy M. (2011) Cathepsin B has wild-type betasecretase activity relevant to Alzheimer's disease drug development. Society for Neuroscience Meeting, Washington, DC, Nov. 12-16, 2011.
28. Hook V, Kindy M, Hook G, Funkelstein L. (2011) Cysteine Cathepsins in Secretory Vesicles Produce Active Peptides for Neurotransmission and for Alzheimer's Disease. Society for Neuroscience Meeting, Washington, DC, Nov. 12-16, 2011.

Oral/Podium Presentations [abstracts that were both presented orally and published, from over 120]

- 1987 Inhibition of the c-fos Gene Using Antisense Oligonucleotides: Antisense RNA and DNA Meeting, Cold Spring Harbor Laboratory, Cold Spring Harbor
- 1993 CE/J Mice and Amyloidosis: VIIth International Symposium on Amyloidosis, Queen's University, Kingston, Ontario, Canada, July 14.
- 1994 The Role of apo E in Amyloid Fibril Formation: Fourth International Conference on Alzheimer's Disease and Related Disorders, Minneapolis, MN, August 2.
- 1994 Amyloidosis: Behringwerke A.G., Marburg, Germany, July 21. Protein Phosphorylation in Neuronal Signal Transduction Following Cerebral Ischemia: Fifth International Symposium on Pharmacology of Cerebral Ischemia, Marburg, Germany, July 20.
- 1994 SAA and Atherosclerosis: University of Marburg, Germany, July 19.
- 1995 Amyloid and Other Abnormal Protein Fibrils, FASEB Conference, Copper Mountain, CO, August 20-25
- 1996 Gene Therapy for Cerebral ischemia: Sixth International Symposium on Pharmacology of Cerebral Ischemia, Marburg, Germany, July 20.
- 1996 Amyloidosis: Behringwerke A.G., Marburg, Germany, July 21.
- 1997 Keystone Symposium, Alzheimer's Disease, February 4-7, 1997, Tamarron, CO
- 1998 Amyloidosis: VIIIth International Symposium on Amyloidosis, Mayo Clinic, Rochester, MN, August 7-11.
- 1998 Signal Transduction Pathways in Cerebral Ischemia: Sixth International Symposium on Pharmacology of Cerebral Ischemia, Marburg, Germany, July 22
- 1998 Signal Transduction Pathways in Cerebral Ischemia: Sixth International Symposium on Pharmacology of Cerebral Ischemia, Marburg, Germany, July 22
- 1998 Serum Amyloid A, from Amyloidosis to Atherosclerosis: Gordon Research Conference, VT, June 24-27
- 1999 Amyloidosis and RAGE. Society for Neurosciences Meeting, Miami, FL. October 25-29, 1999.
- 2000 RAGE and Amyloidoses, First International Conference on Cerebral Amyloid Angiopathy, October 5-6, 2000, Boston, MA
- 2001 Neprilysin and Alzheimer's Disease, Society for Neuroscience, San Diego, CA, Nov. 10-16, 2001
- 2001 RAGE and Neurodegenerative Diseases, Firenze Meeting, Florence, Italy, October 11-13, 2001
- 2001 Challenges in Alzheimer's Disease, Cincinnati, OH, July 27-29th, 2001
- 2001 Mechanisms of Amyloid Toxicity, Ixth International Symposium on Amyloidosis, Budapest, Hungary July 15-21, 2001 (Key Note Speaker and Chair)
- 2001 International Symposium: NF- κ B: Regulation, gene expression and disease, Gent, Belgium, July 4-8, 2001 (Invited speaker, could not attend meeting).
- 2001 Intracellular signaling in neurodegeneration, 11th International Conference on Second Messengers, Melbourne, Australia, April 22-26, 2001

- 2002 Abeta degradation in AD, American Society for Neurochemistry Meeting, Palm Beach, FL, June 22-26, 2002
- 2002 Abeta degradation in AD, Neurodegenerative Diseases Meeting, Jamaica, April 22-27, 2002
- 2002 Paradigms and the Vasculature II, Organizers: David M. Stern and Judith A. Berliner, April 14, 2002, Sheraton Steamboat Resort, Steamboat Springs, Colorado
- 2002 Stroke Molecular, Cellular, Pharmacological and Development of New Therapeutics, Organizers: Giora Z. Feuerstein, John M. Hallenbeck and Chung Hsu, March 9-March 14, 2002, Sagebrush Inn, Taos, New Mexico
- 2002 NF-kappaB: Bench to Bedside, Organizers: Inder M. Verma and David Baltimore, February 25, 2002, March 3, 2002, Keystone Resort, Keystone, Colorado
- 2003 2nd International Beijing Stroke Forum, Beijing, China, June 13-15, 2003, Cell Signaling in Stroke.
- 2003 Stroke and Neuronal Degeneration, Apoptosis 2003, Luxembourg, Jan. 28- Feb. 1, 2003.
- 2004 Society for Neuroscience Meeting, San Diego, CA October 23-27, 2004, RAGE and Abeta amyloid deposition in Alzheimer's disease
- 2004 II International Congress on Neuroregeneration, Rio De Janeiro, Brazil, September 20-24, 2004, Invited Speaker and Chair, Session on "The State of Clinical Trials for Neuronal Repair"
- 2004 Xth International Symposium on Amyloidosis, Tours, France, April 18-22,2004, Organizer/Invited Speaker
- 2006 Society for Neuroscience, Atlanta, GA, October 14-18, 2006, "AGE Receptor Mechanisms and therapeutics in Alzheimer's disease".
- 2006 International Conference on Alzheimer's Disease, July 15-20, 2006, Madrid, Spain, "Mechanisms and therapeutics in Alzheimer's disease".
- 2008 WOX1 Induction of Tau Phosphorylation: Implications for Alzheimer's Disease, International Conference on Alzheimer's Disease, Chicago, IL July 26-31, 2008
- 2009 December – (11-15) Indian International Neuroscience Meeting, India, Organizer and Speaker
- 2009 3rd World Congress of Gene 2009, Foshan, China, December 1-7, 2009, Speaker and session chair
- 2009 International Proteolysis Symposium, Surfers Paradise, Australia, October 26-30, 2009
- 2009 7th Annual Congress of IDDSI 2009, Shanghai, China, October 22-25, 2009, Speaker and session chair
- 2009 4th China Medical Biotech Forum, Dalian, China, August 8-10, 2009
- 2009 Environmental influences on Alzheimer's Disease, Indian Society for Neurochemistry, November 2009
- 2010 Serum Amyloid A, from Amyloidosis to Atherosclerosis: Gordon Research Conference, Ventura, CA, Feb. 1-4
- 2010 15th Annual Conference on Canine Cognition and Aging, Laguna Beach, CA, November 11-11, 2010, Transgenic dogs for neurodegenerative disorders
- 2010 BIT's 3rd World Cancer Congress 2010, June 22-25, 2010, Singapore EXPO, Singapore, Health Science without Borders, Invited Speaker, Session Chair
- 2010 NeuroTalk-2010, From Nervous system functions to treatment. June 25-28, 2010, Singapore Expo, Invited Speaker/Session Chair, Animal models of neurologic research.
- 2010 25th International Conference of Alzheimer's Disease International, March 10-13, 2010, Thessaloniki, Macedonia–Greece
- 2011 "Cathepsin B and Alzheimer's Disease". Abcam Neuroscience Meeting, Nassau, Bahamas, February 14-17, 2011, Invited Speaker
- 2011 "Cathepsin B KO improves memory and reduces β -amyloid in AD mice expressing wt β -secretase site", International Proteolysis Society Meeting, San Diego, CA, October 16-20, 2011.
- 2011 "Gene Environmental Interactions in Neurodegenerative Disorders", International Conference on Translational Medicine, October 22-23, 2011 in WenZhou, China
- 2011 International Conference on Vaccines and Vaccination, Philadelphia, PA, Nov. 22-24, 2011, Invited Speaker and Chair
- 2012 2012 McGowan Retreat, "Regenerative Medicine and the Central Nervous System", March 4-6, 2012, Nemaquin Woodlands Resort, Farmington, PA
- 2012 7th Symposium on Biologic Scaffolds for Regenerative Medicine, April 26 – 28, 2012, Silverado Resort – Napa Valley, California
- 2012 International Conference and Exhibition on Neurology & Neurophysiology, Neuro-2012 14-16 May 2012 Venue: Renaissance Las Vegas Hotel, Las Vegas, USA, Organizing Committee, Invited Speaker, Chair
- 2012 4th Mediterranean Neuroscience Meeting, Istanbul, Turkey, July, 2012, Invited Speaker
- 2012 Neurodegeneration Conference 2012, Xcaret, Mexico, November 27-December 1,2012, invited speaker
- 2013 Neurocon 2013-International Conference on Neurodegenerative and Neurodevelopmental Disorders: Translational Aspects, Kolkata, India, 18th-20th, 2013, invited speaker and chair
- 2013 Pre-Conference Workshop on Recent Techniques in Neuroscience Research, Jan 13th -17th, 2013, Kolkata, India, Lecturer
- 2013 International Psychogeriatrics Association 16th International Meeting, Seoul, South Korea, Chair and Invited Speaker Oct. 1-4, 2013

- 2014 Alzheimer's Disease International, International Conference of Alzheimer's Disease International, San Juan, Puerto Rico, May 1-4, 2014
- 2014 Alzheimer's Disease Conference, London, UK, June 23-24, 2014

Military Service

NA

Community Services

2002-2015 MUSC Stroke Program
Stroke Awareness

Humanitarian Activities

NA

Philanthropic Activities

2002-present American Heart Association
Go Red for Women

2002-present Alzheimer's Association
SC Alzheimer's Association Board Member 2004-2010
SC Alzheimer's Association Brain Awareness

2002-present Society for Neuroscience (SC and FL Chapters)
Brain Awareness Events

Other

NA