



CURRICULUM VITAE

Sylvain Doré PhD

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Academic Appointments

01/2000 to 08/2004	Assistant Professor, Dept. of Anesthesiology and Critical Care Med., JHU School of Med.
07/2004 to 08/2010	Associate Professor, Dept. of Anesthesiology and Critical Care Med., JHU School of Med.
07/2009 to 08/2010	Associate Professor, Dept. of Pharmacology and Molecular Sciences, JHU School of Med.
09/2010 to 06/2013	Associate Professor, Depts. of Anesthesiology, Neurology, Psychiatry, Neuroscience, UF-COM
09/2010 to present	Director of Research Programs, Department of Anesthesiology, UF COM
09/2010 to present	Member, Center of Translational Research in Neurodegenerative Disease, and McKnight Brain Inst.
07/2012 to 06/2013	Associate Professor (w/Tenure), Depts. of Anesth., Neurology, Psychiatry, Neuroscience, UF COM
07/2013 to present	Professor (w/Tenure), Depts. of Anesthesiology, Neurology, Psychiatry, Pharmaceutics, Neuroscience, UF COM

Education and Training

Undergraduate, Graduate and Postgraduate Studies

1988	BS Biochemistry, University of Montreal, Qc
1990	MS Pharmacology, University of Quebec, Qc
1994	PhD Biomedical Sciences, University of Montreal, Qc
1994–1996	Post-PhD Psychiatry, McGill University, Douglas Hospital Research Ctr, Montreal, Qc
	Mentor: Dr. Rémi Quirion
1997–1999	Post-PhD Neuroscience, Johns Hopkins University, School of Medicine, Baltimore, MD
	Mentor: Dr. Solomon H. Snyder

Certificate

07/2007	Certificate, Leadership & Management, Johns Hopkins Carey Business School, Baltimore
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Continuing Professional Education

08/2000	Animal Care and Ethics (JHU)
10/2000	Master Skills of Mentoring (JHU)
07/2005	Design of Clinical Trials (JHU)
09/2005	The Business Side of the Life Sciences (Carey Business School)
10/2005	Business Plan (Carey Business School)
10/2006	Academic Team Building (Carey Business School)
11/2006	Gender conduct (JHU)
11/2006	Mentee/Mentor Relationship (JHU)
01/2006	Managerial Accounting and Budgeting (Carey Business School)
02/2007	Managerial Finance (Carey Business School)
05/2007	Key to Building Better Communication and Conflict Resolution (Carey Business School)
06/2007	Managing Multiple Priorities (JHU)
05/2009	Office of Dietary Supplement 5-Day Practicum (NIH)
09/2009	Rodent Colony Management Symposium (Charles River)
10/2009	Optimized Time Management (JHU)
09/2010	AALAS Working with IACUC, Working with the laboratory mouse, Pain recognition and alleviation in laboratory animals, Post-Procedure Care of Mice and Rats in Research: Minimizing Pain and Distress, Aseptic Technique for Rodent Survival Surgery, Mouse Breeding Colony Management, Genetically Engineered Mice: Approaches for Evaluating the Phenotype and Genetically Engineered Mice: Overview of Transgenic and Conditional Control.
02/2012	Becoming a skill mentor (UF-COM)
04/2013	Cultivating the Mentoring Relationship with Graduate Students: (UF-Graduate Affairs)

07/2013	Qualities of Good Mentors and Mentees (UF-COM, CTSI-Mentor Academy)
07/2013	Supervisor Training – The Career Training
08/2013	Selecting Mentors and Mentees. How to deal with Mismatches (UF-COM, CTSI-Mentor Academy)

Additional Professional Experience

06/87–09/87	St. Justine Hospital Research Center, Department of Biochemistry, Montreal, Qc Mentor: Dr. Gilles Brisson (Clinical Biochemistry)
06/89–08/89	Clinical Research Institute of Montreal (IRCM), Immunology Division, Montreal, Qc Mentor: Dr. Yolanta Gutkowska (Immunology)
01/95–02/95	The Rockefeller University, Department of Molecular Neuroscience, New York, NY Mentor: Dr. Paul Greengard (Molecular Neuroscience)
06/96–07/96	Hoechst-Marion-Roussel, Department of Neuroscience, Bridgewater, NJ Mentor: Dr. Andy Giovanni (Molecular Neuroscience)

Brief Personal Research Statement

My main goal is to search for new effective treatments and mechanisms that limit neuronal and cognitive dysfunction associated with stroke, notably on ischemic and hemorrhagic strokes and also Alzheimer's disease. To do so, the aims are to limit neuron death resulting from acute and/or chronic neurodegenerative conditions, re-establish normal cerebral blood flow, limit inflammation, and restore regular cellular functions. Using a variety of in vitro and in vivo optimized preclinical models, several new hypotheses and potential therapies are being developed and tested. 1) One is focused on understanding the actions of prostaglandin metabolites generated by cyclooxygenase enzymes, which are key elements in the inflammatory response. For example, the lab was first to document and propose that the PGE₂ EP1 receptor antagonist could be used as an alternative to COX-2 inhibitors. 2) A second is to understand the respective role of the heme. New finding has been gained specifically by investigating the heme oxygenase enzyme and its bioactive metabolites, namely, carbon monoxide, iron, biliverdin, and bilirubin, which all have unique and important action in normal physiology and pathologic conditions. My team has been the first to demonstrate the neuroprotective role of heme oxygenase 1 and 2 in ischemic stroke and the first to demonstrate the potential toxic role of heme oxygenase 1 in hemorrhagic stroke (a situation in which supraphysiological levels of the heme substrate would lead to toxic levels or free iron). 3) Thirdly, originally developed as side-project, I have developed rigorous expertise in providing molecular evidence for the potential therapeutic applications of complementary and alternative medicines. For example, the lab has found that treatment with Ginkgo biloba or resveratrol of epicatechin could alter the presence of specific genes/proteins important in neuronal function, notably by demonstrating that the regulation of the transcriptional factor Nrf2, and the increased expression of phase 2 protective enzymes, notably heme oxygenase. These bioactive nutrients could provide resistance against damage induced by free radicals. I proposed that most of these polyphenol compounds do not exert their action through a direct antioxidant pathway but through the Nrf2 pathway. 4) I have also been mentors or collaborators with various PhD and MD fellows, Assistant, Associate, and Full Professors developing and testing their hypotheses, developing protocols using our preclinical models, and helping with their publications and grants. Overall, my research has been funded through several peer-reviewed NIH, industry, and association/foundation grants, and also studentships/fellowships for all my lab team members.

PUBLICATIONS, PEER-REVIEWED ORIGINAL RESEARCH (*equal contribution)

1. Doré S, Brisson GR, Fournier A, Massicotte D, Péronnet F, Gareau R. HGH_{20K} species and variability of GH responses to long-duration exercise in male cyclists fed different food supplements. *Horm. Metab. Res.* 23:431-4, 1991. PMID: 1743616
2. Doré S, Brisson GR, Fournier A, Montpetit R, Perrault H, Boisvert D. Contribution of the hGH_{20K} variant to blood hGH response in sauna and exercise. *Eur. J. Appl. Physiol.* 62:130-4, 1991. PMID: 2022201
3. Doré S, Pelletier JP, DiBattista JA, Tardif G, Brazeau P, Martel-Pelletier J. Human osteoarthritic chondrocytes possess an increased number of insulin-like growth factor 1 but are unresponsive to its stimulation: Possible role of IGF-1 binding proteins. *Arthritis Rheum.* 37:253-63, 1994. PMID: 7510486
4. Doré S, Aribat T, Rousseau N, Brazeau P, Tardif G, DiBattista JA, Cloutier J-M, Pelletier JP, Martel-Pelletier J. Increased insulin-like growth factor I production by human osteoarthritic chondrocytes is not dependent on growth hormone action. *Arthritis Rheum.* 38: 413-19, 1995. PMID: 7880196

5. Schmidt W, Doré S, Hilgendorf A, Strauch S, Gareau R, Brisson GR. Effects of exercise during normoxia and hypoxia on the growth hormone insulin-like growth factor I axis. *Eur. J. Appl. Physiol.* 71:424-30, 1995. PMID: 8565974
6. Tavera C, Abribat T, Reboul P, Doré S, Brazeau P, Pelletier JP, Martel-Pelletier J. IGF and IGF-binding protein system in the synovial fluid of osteoarthritic and rheumatoid arthritic patients. *Osteoarthritis Cartilage* 4:263-74, 1996. PMID: 11048623
7. DiBattista JA, Doré S, Morin N, Abribat T. Prostaglandin E₂ up-regulates insulin-like growth factor binding protein-3 expression and synthesis in human articular chondrocytes by a cAMP-independent pathway: Role of calcium and protein kinase A and C. *J. Cell Biochem.* 63:320-33, 1996. PMID: 8913883.
8. DiBattista JA, Doré S, Morin N, Abribat T, Martel-Pelletier J, Pelletier JP. Prostaglandin E₂ stimulates incorporation of proline into collagenase digestible proteins in human articular chondrocytes: Identification of an effector autocrine loop involving insulin-like growth factor I. *Mol. Cell Endocrinol.* 123:27-35, 1996. PMID: 8912808.
9. Doré S, Krieger C, Kar S, Quirion R. Distribution and levels of insulin-like growth factor (IGF-I and IGF-II) and insulin receptor binding sites in the spinal cords of amyotrophic lateral sclerosis (ALS) patients. *Brain Res Mol Brain Res* 41:128-33, 1996. PMID: 8883943.
10. Doré S, Kar S, Quirion R. Presence and differential internalization of two distinct insulin-like growth factor receptors in rat hippocampal neurons. *Neuroscience* 78:373-83, 1997. PMID: 9145794
11. DiBattista JA, Doré S, Morin N, He Y, Pelletier JP, Martel-Pelletier J. Prostaglandin E₂ stimulates insulin-like growth factor binding protein-4 expression and synthesis in cultured human articular chondrocytes. Possible mediation by Ca²⁺-calmodulin regulated processes. *J. Cell Biochem.* 65:408-19, 1997. PMID: 9138096
12. Doré S, Kar S, Rowe W, Quirion R. Distribution and levels of [¹²⁵I]IGF-I, [¹²⁵I]IGF-II and [¹²⁵I]insulin receptor binding sites in the hippocampus of aged memory-unimpaired and -impaired rats. *Neuroscience* 80:1033-40, 1997. PMID: 9284058
13. Doré S, Kar S, Quirion R. Rediscovering an old friend, IGF-I: Potential use in the treatment of neurodegenerative diseases. *Trends Neurosci.* 20:326-31, 1997. PMID: 9246719.
14. Doré S, Kar S, Quirion R. Utilization of Insulin-like Growth Factor-I for the treatment of neurological disorders. *Selections from M S-Médecine/Sciences* 7:40-7, 1997.
15. Doré S, Kar S, Quirion R. Insulin-like growth factor I protects and rescues hippocampal neurons against β -amyloid and human amylin-induced toxicity. *Proc. Natl. Acad. Sci. USA* 94:4772-7, 1997. PMID: 9114067.
16. Kar S, Seto D, Doré S, Chabot JG, Quirion R. Systemic administration of kainic acid induces selective time dependent decrease in [¹²⁵I]insulin-like growth factor I, [¹²⁵I]insulin-like growth factor II and [¹²⁵I]insulin receptor binding sites in adult rat hippocampal formation. *Neuroscience* 80:1041-55, 1997. PMID: 9284059.
17. Kar S, Seto D, Doré S, Hanisch UK, Quirion R. Insulin-like growth factor-I and -II differentially regulate endogenous acetylcholine release from the rat hippocampal formation. *Proc. Natl. Acad. Sci. USA* 94:14054-9, 1997. PMID: 9391151.
18. Doré S, Kar S, Chabot JG, Quirion R. Impact of neonatal kainate treatment on hippocampal insulin-like growth factor receptors. *Neuroscience* 91:1035-43, 1999. PMID: 10391481
19. Doré S, Bastianetto S, Kar S, Quirion R. Protective and rescuing abilities of IGF-I and some putative free radical scavengers against β -amyloid-inducing toxicity in neurons. *Ann. NY Acad. Sci.* 890:356-64, 1999. PMID: 10668442.
20. Doré S, Snyder SH. Neuroprotective action of bilirubin against oxidative stress in primary hippocampal cultures. *Ann. NY Acad. Sci.* 890:167-72, 1999. PMID: 10668423.
21. Doré S, Takahashi M, Ferris CD, Zakhary R, Hester LD, Guastella D, Snyder SH. Bilirubin, formed by activation of heme oxygenase-2, protects neurons against oxidative stress injury. *Proc. Natl. Acad. Sci. USA* 96:2445-50, 1999. PMID: 10051662.
22. Ferris CD, Jaffrey SR, Sawa A, Takahashi M, Brady SD, Barrow RK, Tysoe SA, Wolosker H, Baranano DE, Doré S, Poss KD, Snyder SH. Haem oxygenase-1 prevents cell death by regulating cellular iron. *Nature Cell Biol.* 1:152-7, 1999. PMID: 10559901.

23. Doré S, Sampei K, Goto S, Alkayed NJ, Guastella D, Blackshaw S, Gallagher M, Traystman RJ, Hurn PD, Koehler RC, Snyder SH. Heme oxygenase-2 is neuroprotective in cerebral ischemia. *Mol. Med.* 5:656-63, 1999 (Cover Page). PMID: 10602774.
24. Bastianetto S, Ramassamy C, Doré S, Christen Y, Poirier J, Quirion R. The Ginkgo biloba extract (EGb 761) protects hippocampal neurons against cell death induced by β -amyloid. *Eur. J. Neurosci.* 12:1882-90, 2000. PMID: 10886329.
25. Zheng WH, Doré S, Kar S, Quirion R. Insulin-like growth factor-I (IGF-1): a neuroprotective factor acting via the Akt kinase pathway. *J. Neural. Transm.* 60:S261-72, 2000. PMID: 11205145.
26. Doré S*, Law A*, Blackshaw S, Gauthier S, Quirion R. Alteration of expression levels of neuronal nitric oxide synthase and haem oxygenase-2 messenger RNA in the hippocampi and cortices of young and aged cognitively unimpaired and impaired Long-Evans rats. *Neuroscience* 100:769-75, 2000. PMID: 11036210.
27. Doré S*, Goto S*, Sampei K, Blackshaw S, Hester LD, Ingi T, Sawa A, Traystman RJ, Koehler RC, Snyder SH. Heme oxygenase-2 acts to prevent neuronal death in brain cultures and following transient cerebral ischemia. *Neuroscience* 99:587-92, 2000. PMID: 10974422.
28. Doré S, Kar S, Zheng WH, Quirion R. Rediscovering good old friend IGF-I in the new millenium: possible usefulness in Alzheimer's disease and stroke. *Pharm. Acta Helv.* 74:273-280, 2000. PMID: 10812969.
29. Doré S*, Takahashi M*, Ferris CD, Tomita T, Sawa A, Wolosker H, Borchelt DR, Iwatsubo T, Kim SH, Thinakaran G, Sisodia SS, Snyder SH. Amyloid precursor proteins inhibit heme oxygenase activity and augment neurotoxicity in Alzheimer's disease. *Neuron* 28:461-73, 2000. PMID: 11144356.
30. Zhuang H, Pin S, Christen Y, Doré S. Induction of heme oxygenase 1 by Ginkgo biloba in neuronal cultures and potential implications in ischemia. *Cell Mol. Biol.* 48:647-53, 2002. PMID: 12396075.
31. Doré S. Decreased activity of the anti-oxidant heme-oxygenase enzyme: implications in ischemia and in Alzheimer's disease. *Free Radical Res.* 32:1276-82, 2002. PMID: 12057765.
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33. Zhuang H, Pin S, Li X, Doré S. Regulation of heme oxygenase by cyclopentenone prostaglandins. *Exp. Biol. Med.* 228:499-505, 2003. PMID: 12709576.
34. Zhuang H, Kim Y-S, Namiranian K, Doré S. Prostaglandins of J series control heme oxygenase expression: Potential significance in modulating neuroinflammation. *Ann. NY Acad. Sci.* 993:208-16, 2003. PMID: 12853315.
35. Goto S, Sampei K, Alkayed NJ, Doré S, Koehler RC. Characterization of a new double-filament model of focal cerebral ischemia in heme oxygenase-2-deficient mice. *Am. J. Physiol. Regul. Integr. Comp. Physiol.* 285:R222-30, 2003. PMID: 12663258.
36. Doré S, Otsuka T, Mito T, Sugo N, Hand T, Wu L, Hurn PD, Traystman RJ, Andreasson K. Neuronal overexpression of cyclooxygenase-2 increases cerebral infarction. *Ann. Neurol.* 54:155-62, 2003. PMID: 12891667.
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38. Namiranian, K, Koehler RC, Sapirstein A, Doré S. Stroke outcomes in mice lacking the genes for neuronal heme oxygenase-2 and nitric oxide synthase. *Curr. Neurovasc. Res.* 2(1):23-27, 2005. PMID: 16181097.
39. Kim Y-S, Zhuang H, Koehler RC, Doré S. Distinct protective mechanisms for HO-1 and HO-2 against hydroperoxide-induced cytotoxicity. *Free Radic. Biol. Med.* 38:85-92, 2005. PMID: 15589375.
40. Zhuang H, Littleton-Kearney MT, Doré S. Characterization of heme oxygenase in adult rodent platelets. *Curr. Neurovasc. Res.* 2(2): 163-8, 2005. PMID: 16181109.
41. Doré S. Unique properties of polyphenol stilbenes in the brain: more than direct antioxidant actions; gene/protein regulatory activity. *Neurosignals* 14(1-2):61-70, 2005. PMID: 15956815.

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44. Echeverria V, Clerman A, Doré S. Stimulation of PGE₂ receptors EP2 and EP4 protects cultured neurons against oxidative stress and cell death following β -amyloid exposure. *Eur. J. Neurosci.* 22(9):2199-206, 2005. PMID: 16262658.
45. Ahmad AS, Ahmad M, de Brum-Fernandes AJ, Doré S. Prostaglandin EP4 receptor agonist protects against acute neurotoxicity. *Brain Res.* 1066(1-2):71-7, 2005. PMID: 16360658.
46. Ahmad AS, Saleem S, Ahmad M, Doré S. Prostaglandin EP1 receptor contributes to excitotoxicity and focal ischemic brain damage. *Toxicol. Sci.* 89(1):265-70, 2006. PMID: 16237196.
47. Ahmad M, Saleem S, Zhuang H, Ahmad AS, Echeverria V, Sapirstein A, Doré S. 1-hydroxyPGE₁ reduces infarction volume in mouse transient cerebral ischemia. *Eur. J. Neurosci.* 23:35-42, 2006. PMID: 16420413.
48. Rebel A, Cao S, Kwansa H, Doré S, Bucci E, Koehler, RC. Dependence of acetylcholine and ADP dilation of pial arterioles on heme oxygenase after transfusion of cell-free polymeric hemoglobin. *Am. J. Physiol. Heart Circ. Physiol.* 290(3):H1027-37, 2006. PMID: 16214847.
49. Wang J, Zhuang H, Doré S. Heme oxygenase 2 is neuroprotective against intracerebral hemorrhage. *Neurobiology of Disease* 22:473-6, 2006. PMID: 16459095.
50. Shah ZA, Namiranian K, Klaus J, Kibler K, Doré S. Use of an optimized transient occlusion of the middle cerebral artery protocol for the mouse stroke model. *J. Stroke Cerebrovasc. Dis.* 15:133-8, 2006. PMID:17904065.
51. Ahmad AS, Zhuang H, Doré S. Heme oxygenase-1 protects brain from acute excitotoxicity. *Neuroscience* 141(4):1703-8, 2006. PMID: 16828975.
52. Doré, S. GPCR antagonists as an alternative to COX-2 inhibitors: a case for the PGE₂ EP1 receptor. *Trends Pharmacol. Sci.* 27(9):458-60, 2006. PMID: 16870271.
53. Ahmad AS, Zhuang H, Echeverria V, Doré S. Stimulation of prostaglandin EP2 receptors prevents NMDA-induced excitotoxicity. *J. Neurotrauma* 23(12):1895-903, 2006. PMID: 17184197.
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55. Ahmad M, Ahmad AS, Zhuang H, Maruyama T, Narumiya S, Doré S. Stimulation of prostaglandin E₂-EP3 receptors exacerbates stroke and excitotoxic injury. *J. Neuroimmunol.* 184(1-2):172-9, 2007. PMID: 17033693
56. Wang J, Doré S. Heme oxygenase-1 exacerbates early brain injury after intracerebral haemorrhage. *Brain* 130:1643-1652, 2007. PMID: 17525142.
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58. Saleem S, Li Rung-chi, Wei G, Doré S. Effects of EP1 receptor on cerebral blood flow in the middle cerebral artery occlusion model of stroke in mice. *J. Neurosci. Res.* 85:2433-40, 2007. PMID: 17600836.
59. Wang J, Fields J, Zhao C, Langer J, Thimmulappa RK, Kensler TW, Yamamoto M, Biswal S, Doré S. Role of Nrf2 in protection against intracerebral hemorrhage injury in mice. *Free Radic. Biol. Med.* 43:408-414, 2007. PMID: 17602956.
60. Saleem S, Zhuang H, De Brum-Fernandes AJ, Maruyama T, Narumiya S, Doré S. PGD₂ DP1 receptor protects brain from ischemia-reperfusion injury. *Eur. J. Neurosci.* 26:73-78, 2007. PMID: 17573924.
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101. Ahmad AS, Maruyama T, Narumiya S, Doré S. PGE₂ EP1 receptor deletion attenuates 6-OHDA-induced Parkinsonism in mice: Old switch, new Target. *Neurotox Res.* 23(3):260-6, 2013.

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Reviews (Peer-reviewed)

1. Doré S, Kar S, Quirion R. Emploi thérapeutique de l'IGF-I dans le traitement de maladies neurodégénératives. *M S-Médecine/Sciences* 13:557-65, 1997.
2. Doré S, Kar S, Auld D, Chabot JG, Quirion R. Autoradiographic localization of growth factor receptors in neuronal tissues. *Current Prot. Pharmacol.* 8.2.1-16, 1998.
3. Doré S, Kar S, Zheng WH, Quirion R. Some help from a good old friend Insulin-like Growth Factor-I, Therapeutic potency in Alzheimer's disease and stroke. *Pharmaceutica Acta Helvetiae* 74:273-280, 2000.
4. Doré S, Quirion R. Potential role of Insulin-like Growth Factor-I in learning and memory processes. *Encycl. Psycho./Behav. Sci.* 2:728-733, 2001.
5. Baranano D, Doré S, Ferris CD, Snyder SH. Physiologic roles for the heme oxygenase products carbon monoxide, bilirubin, and iron: Links to neuroprotection in stroke and Alzheimer's disease. *Clin. Neurosci. Res.* 1:46-52, 2001.
6. Doré S. Potential efficacy and mechanism of action of the flavanol (-)-epicatechin in acute brain trauma. *Institute of Medicine Report*, Published 02/2011.
7. Leonardo C, Doré S. Dietary flavonoids are neuroprotective through coordinated induction of endogenous cytoprotective proteins. *Nutritional Neuroscience*, Published 07/2011.
8. Leonardo C, Robbins S, Doré S. Translating basic science research to clinical application: models and strategies for intracerebral hemorrhage, *Frontiers in Stroke*. Published 05/2012.
9. Mohan S, Ahmad AS, Glushakov AV, Chambers C, Doré S. Putative role of prostaglandin receptor in intracerebral hemorrhage. *Front Neurol.* 2012;3:145.

Book Chapters (Peer-reviewed)

1. Chabot JG, Dumont Y, St-Pierre JA, Tong Y, Doré S, Kar S, Quirion R. Anatomical approaches to study G-protein coupled protein receptors. In: *Peptidergic G Protein-coupled Receptors: From Basic Research to Clinical Application*. P. Geppetti, W. Muller-Esterl, D. Regoli, eds., IOS Press: Amsterdam, Netherlands, pp. 11-28, 1999.
2. Doré S, Quirion R. IGF-I, insulin, brain glucose, and cognition. In: *The Corsini Encyclopedia of Psychology and Behavioral Science, Vol 2*. WE Craighead, CB Nemeroff, eds., John Wiley & Sons, Hoboken, NJ. 728-33, 2001.

3. Cowan RL, Doré S. Toxicity and neuroprotective effects of carbon monoxide: consequences to suicide and survival. In: *The Concise Corsini Encyclopedia of Psychology and Behavioral Science*. WE Craighead, CB Nemeroff, eds., John Wiley & Sons, Hoboken, NJ. 994-997, 2004.
4. Doré S, Kofler J, Quirion R. The insulin-like growth factor I: a key modulator of neurogenesis and cognitive functions. In: *The Concise Corsini Encyclopedia of Psychology and Behavioral Science*. WE Craighead, CB Nemeroff, eds., John Wiley & Sons, Hoboken, NJ. 460-466, 2004.
5. Saleem S, Ahmad AS, Doré S. Protective effects of resveratrol in age-related neurodegenerative diseases and gene regulatory action. In: *Resveratrol in Health and Disease*. BB. Aggarwal, S. Shishodia, eds., Marcel Dekker Press: New York, NY, 499-517, 2006.
6. Levine CF, Li RC, Shah ZA, Doré S. Resveratrol and neurodegenerative diseases. In: Watson RR, Preedy VR (eds) *Botanical Medicine in Clinical Practice*. CABI Publishing, Wallingford, UK, 641-650, 2008.

Extramural Funding

Grants, Previous and Current

1. Funding Agency: The American Heart & Stroke Association, National Grant-In-Aid, S. Doré (PI)
 Title of Grant: Role of Neuronal Heme Oxygenase-2 in Cerebral Ischemia.
 Role of Nominee: Principal Investigator. (20% effort)
 Effective Dates: 01/2000-12/2002
2. Funding Agency: Pfizer/Parke-Davis (Atorvastatin award), S. Doré (PI)
 Title of Grant: Role of Heme Oxygenase in Blood Flow and Lipid Peroxidation
 Role of Nominee: Principal Investigator. (15% effort)
 Effective Dates: 09/2000-08/2002
3. Funding Agency: Johns Hopkins Medical Institutions Pilot Project, S. Doré (PI)
 Title of Grant: Neuroprotective Role of Heme Oxygenase-2
 Role of Nominee: Principal Investigator (10% effort)
 Effective Dates: 12/2000-11/2001
4. Funding Agency: Alzheimer's Association New Investigator Research Grant, , S. Doré (PI)
 Title of Grant: Role of Heme Oxygenase in Alzheimer's Disease.
 Role of Nominee: Principal Investigator. (20% effort)
 Effective Dates: 9/2001-08/2003
5. Funding Agency: American Health Assistance Foundation Investigator Award, , S. Doré (PI)
 Title of Grant: Role of Heme Oxygenase-2 in Alzheimer's Disease
 Role of Nominee: Principal Investigator. (20% effort)
 Effective Dates: 04/2002-03/2004
6. Funding Agency: American Heart & Stroke Association, Salary for a post-doctoral fellow. YS Kim (PI)
 Title of Grant: Regulation of HO Activity and its Neuroprotective Role in Cerebral Ischemia.
 Role of Nominee: Mentor. (% effort: N/A)
 Effective Dates: 07/2003-06/2005
7. Funding Agency: NIH/National Inst of Neurol Disorders & Stroke (P01), Traystman R (PI)
 Title of Grant: Mechanism of Regulation of Cerebral Blood Flow (Transferred to OHSU).
 Role of Nominee: Co-investigator, Project 1: Sigma Receptor Signaling in Ischemia (15% effort)
 Role of Nominee: Principal Investigator, Core B: Cell Culture and Neuropathology (15% effort)
 Effective Dates: 01/2003-02/2008
8. Funding Agency: NIH/National Inst of Neurol Disorders & Stroke, S. Doré (PI)

- Title of Grant: Role of Prostaglandin Receptors in Cerebral Ischemia 1R01NS046400
 Role of Nominee: Principal Investigator. (25% effort)
 Effective Dates: 05/2003-04/2008
9. Funding Agency: ABMRF, Salary for a post-doctoral fellow, S. Doré (PI)
 Title of Grant: Neuroprotective Mechanisms of Alcohol.
 Role of Nominee: Principal Investigator (1% effort)
 Effective Dates: 02/2004-01/2006
10. Funding Agency: NIH/NINDS, R. Koehler (PI)
 Title of Grant: Cell free O₂ Carriers: Cerebrovascular Control and Stroke, RO1NS038684
 Role of Nominee: Co-Investigator (10% effort)
 Effective Dates: 02/2004-03/2009
11. Funding Agency: NIH/National Institute of Aging, S. Doré (PI)
 Title of Grant: PG Receptors Controlling Excitotoxicity in Aging Brain, RO1AG022971
 Role of Nominee: Principal Investigator (26% effort)
 Effective Dates: 05/2004-04/2010
12. Funding Agency: Wine Institute, Salary for a post-doctoral fellow, S. Doré (PI)
 Title of Grant: Role of Wine in Vivo.
 Role of Nominee: Principal Investigator (1% effort)
 Effective Dates: 06/2004-05/2005
13. Funding Agency: American Heart & Stroke Association, Mid-Atlantic Grant-In-Aid (GIA) , S. Doré (PI)
 Title of Grant: Potential Neuroprotective Mechanism of Cocoa.
 Role of Nominee: Principal Investigator (1% effort)
 Effective Dates: 06/2004-05/2006
14. Funding Agency: NIH/National Institute on Alcohol Abuse and Alcoholism (R21) , S. Doré (PI)
 Title of Grant: Cerebrovascular Mechanism of Grape Polyphenols – Alcohol.
 R21AA014911, S. Doré (PI)
 Role of Nominee: Principal Investigator (11% effort)
 Effective Dates: 06/2004-05/2006
15. Funding Agency: Ipsen Beaufour, Salary for a post-doctoral fellow, S. Doré (PI)
 Title of Grant: Role of EGb-761 in Stroke
 Role of Nominee: Principal Investigator (1% effort)
 Effective Dates: 07/2004-08/2006
16. Funding Agency: NIH/National Center for Complementary and Alternative Medicine, S. Doré (PI)
 Title of Grant: Neuroprotective Mechanisms of EGb-761. R21AT001836
 Role of Nominee: Principal Investigator (11% effort)
 Effective Dates: 09/2004-08/2006
17. Funding Agency: The American Heart & Stroke Association, Salary for a postdoctoral fellow, S. Doré (PI).
 Title of Grant: COX Metabolite Action: Paradoxical Protective Effects of PGE₂ Receptors.
 Role of Nominee: Mentor (effort: N/A)
 Effective Dates: 07/2005-06/2007
18. Funding Agency: AD Association, NIRG, G Wei (PI) (Awarded and transferred)
 Title of Grant: Role of EP₂ Receptor in AD.
 Role of Nominee: Co-Investigator (effort: 1%)

Effective Dates: 07/2005-06/2007

19. Funding Agency: Symbioscience, S. Doré (PI)
 Title of Grant: Role of Flavanols in Stroke and Alzheimer Disease.
 Role of Nominee: Principal Investigator (1% effort)
 Effective Dates: 12/2005-08/2010

20. Funding Agency: American Heart & Stroke Association, (AHA-SDG), J Wang (PI).
 Title of Grant: Role of Heme Oxygenase in Intracerebral Hemorrhage
 Role of Nominee: Co-Investigator (no salary requested)
 Effective Dates: 01/2006-09/2008

21. Funding Agency: NIH-NMGMS, A Gottschalk (PI).
 Title of Grant: Role of Postdoctoral Research Training in Anesthesiology and Critical Care Medicine
 Role of Nominee: Mentor (no salary requested)
 Effective Dates: 07/2006-08/2010

22. Funding Agency: The American Heart and Stroke Association (AHA-Pre-PhD) B. KANG (PI)
 Title of Grant: Role of DANGER in Stroke
 Role of Nominee: Collaborator (Mentor: Sol Snyder)
 Effective Dates: 07/2000-06/2009

23. Funding Agency: The Parkinson Disease Foundation, S. Doré (PI)
 Title of Grant: PGE2 Role in Parkinsonism
 Role of Nominee: Principal Investigator (1% effort)
 Effective Dates: 07/2007- 06/2008

24. Funding Agency: NIH/NINDS, A. Sapirstein (PI)
 Title of Grant: Cytosolic PLA2 in Stroke Injury, RO1NS048978
 Role of Nominee: Co-Investigator (7% effort)
 Effective Dates: 08/2007-08/2010

25. Funding Agency: GEMI, S. Doré (PI)
 Title of Grant: Role of CO in Stroke
 Role of Nominee: Principal Investigator (1% effort)
 Effective Dates: 01/2008-12/2009

26. Funding Agency: NIH/National Center for Complementary and Alternative Medicine (NCCAM) , Z. Shah (PI)
 Title of Grant: Neuroprotective Effect of Ginkgo Biloba and Its Components in Ischemia, K99AT004197
 Role of Nominee: Mentor (no salary requested)
 Effective Dates: 01/2008-06/2009

27. Funding Agency: American Heart and Stroke Association (AHA-SDG), A Ahmad (PI)
 Title of Grant: Potential PGD₂ Receptor Protective Role in Transient Cerebral Ischemia
 Role of Nominee: Sponsor of Junior Faculty (no salary requested)
 Effective Dates: 01/2008-12/2012

28. Funding Agency: NIH/NCCAM, and Office of Dietary Supplement (ODS) , S. Doré (PI)
 Title of Grant: Potential Neuroprotective Mechanism of Korean Ginseng in Global Ischemia, R21 AT004025
 Role of Nominee: Principal Investigator (10% effort)
 Effective Dates: 06/2008-05/2011

29. Funding Agency: The American Heart and Stroke Association (AHA-PDF) R-c. Li (PI))

- Title of Grant: Study of Heme Degradation and Its Consequences in Acute Neurological Models
 Role of Nominee: Mentor (no salary requested)
 Effective Dates: 07/2008-06/2009
30. Funding Agency: The American Foundation for Parkinson Research, S. Doré (PI)
 Title of Grant: PGE₂ Role in Parkinsonism
 Role of Nominee: Principal Investigator (1% effort)
 Effective Dates: 07/2008-06/2009
31. Funding Agency: The American Heart and Stroke Association (AHA-BGIA) W. Cao (PI)
 Title of Grant: Role of HDAC Using In Vitro and In Vivo Models
 Role of Nominee: Collaborator (no salary requested)
 Effective Dates: 07/2008-06/2010
32. Funding Agency: NIH/NIA, J Wang (PI)
 Title of Grant: Role of PGE₂ Receptors in Intracerebral Hemorrhage, K01AG031926
 Role of Nominee: Sponsor of Junior Faculty (no salary requested)
 Effective Dates: 10/2008-09/2013 (remained at Hopkins)
33. Funding Agency: NIH/National Cancer Institute, M. Lesniak (PI),
 Title of Grant: Regulatory T Cells in Malignant Glioma, 1R01CA138587
 Role of Nominee: Co-Investigator (1% effort)
 Effective Dates: 07/2009-06/2012
34. Funding Agency: NIH/National Institute on Drug Abuse (NIDA) S. H. Snyder (PI)
 Title of Grant: Molecular Messengers That Underlie Neurotoxic and Other Actions of Drugs
 P50DA000266
 Role of Nominee: Collaborator (5% effort)
 Effective Dates: 07/2009-06/2010
35. Funding Agency: American Heart and Stroke Association (AHA-PDF), B. Ma (PI)
 Title of Grant: Study of The Effect of Hemopexin and Heme Oxygenase on Heme removal After ICH
 Role of Nominee: Mentor (no salary requested)
 Dates of Funding: 07/2009-06/2010
36. Funding Agency: American Heart and Stroke Association (AHA-PDF), Y-T Kim (PI)
 Title of Grant: Role of PGF2A Receptor (FP receptor) in Ischemic Stroke Model
 Role of Nominee: Mentor (no salary requested)
 Effective Dates: 07/2009-06/2010
37. Funding Agency: American Heart and Stroke Association (AHA-SDG), M. Liu (PI)
 Title of Grant: Acute Kidney Injury Effects in Brain Inflammation and Stroke
 Role of Nominee: Collaborator (no salary requested)
 Dates of Funding: 07/2009-06/2010
38. Funding Agency: NIH/NINDS, N. Faraday (PI)
 Title of Grant: Role of Neutrophil-platelet Interactions in Vascular Occlusive Disorders, RC1HL099677
 Role of Nominee: Co-Investigator (15% effort)
 Effective Dates: 09/2009-08/2011
39. Funding Agency: NIH/University of Chicago, Lesniak M (PI)
 Title of Grant: Regulatory T Cell in Malignant Glioma
 Role of Nominee: Principal Investigator (8% effort)

Effective Dates: 09/2010-04/2013

40. Funding Agency: NIH/ National Institute of Neurological Disorders & Stroke (NINDS) , S. Doré (PI)
 Title of Grant: Role of Prostaglandin Receptors in Stroke, 2RO1NS046400
 Role of Nominee: Principal Investigator (30% effort)
 Effective Dates: 10/2010-09/2015

41. Funding Agency: NIH/National Center for Complementary and Alternative Medicine (NCCAM) , S. Doré (PI)
 Title of Grant: Stilbene Contribution in Hemorrhagic Stroke, R21AT005246
 Role of Nominee: Principal Investigator (15% effort)
 Effective Dates: 10/2010-09/2012

42. Funding Agency: NIH/ National Center for Complementary and Alternative Medicine (NCCAM) , S. Doré (PI)
 Title of Grant: Effect of Flavanol-rich Cocoa Extract in Acute Neurodegenerative Conditions, R21AT005085
 Role of Nominee: Principal Investigator (20% effort)
 Effective Dates: 10/2010-09/2015

43. Funding Agency: State of Florida State Stimulus, S. Doré (PI)
 Title of Grant: Stimulus Grant Offered by the Dean of the UF College of Medicine
 Role of Nominee: Principal Investigator (15% effort)
 Effective Dates: 01/2011-12/2012

44. Funding Agency: Brain and Spinal Cord Injury Research Trust Fund (BSIRTF) , S. Doré (PI)
 Title of Grant: Protective Role of Carbon Monoxide (CO) in Cerebral Ischemia
 Role of Nominee: Principal Investigator (0% effort)
 Effective Dates: 07/2011-6/2012

45. Funding Agency: Brain and Spinal Cord Injury Research Trust Fund (BSIRTF), S. Doré (PI)
 Title of Grant: Potential Therapeutic Role of PGF_{2α} Receptor Blockade in Traumatic Brain Injury
 Role of Nominee: Principal Investigator (0% effort)
 Effective Dates: 07/2011-6/2012

46. Funding Agency: NIH/NINDS - F32, S. Mohan (PI)
 Title of Grant: Role of Prostaglandin F2α Receptor (FP receptor) in Hemorrhagic Stroke.
 Role of Nominee: Mentor (no salary requested)
 Effective Dates: 07/2012-06/2015

47. Funding Agency: Veteran's Affairs (Gainesville, FL), S. Doré (PI)
 Title of Grant: Development of a Stroke White Matter Lesion
 Role of Nominee: Principal Investigator (0% effort)
 Effective Dates: 07/2012-06/2013

48. Funding Agency: NIH/National Institute of Neurological Disorders & Stroke (NINDS), D. G. Stein (PI)
 Title of Grant: Progesterone in the Treatment of Ischemic Stroke, 5U01NS062676
 Role of Nominee: Principal Investigator – sub-contract (5% effort)
 Effective Dates: 08/2012-07/2014

49. Funding Agency: NIH-R01, S. Doré (PI)
 Title of Grant: Better Understanding of the Neuroprotective Mechanisms of Ginseng in Stroke
 Role of Nominee: Principal Investigator (30% effort)
 Effective Dates: 04/2013-03/2018

50. Funding Agency: Brain and Spinal Cord Injury Research Trust Fund (BSIRTF), S. Doré (PI)

Title of Grant: Therapeutic blockade of the proinflammatory prostaglandins in closed head injury
 Role of Nominee: Principal Investigator (0% effort)
 Effective Dates: 01/2013-12/2014

51. Funding Agency: Brain and Spinal Cord Injury Research Trust Fund (BSIRTF), S. Doré (PI)
 Title of Grant: UF-MBI Stroke Initiative
 Role of Nominee: Principal Investigator (0% effort)
 Effective Dates: 01/2013-12/2014
UF-MBI Stroke Initiative Doré (Leader)
 - *Project #1: Support a Repository of Stroke Biospecimens*
 - *PI: M. Waters (Neurology)*
 - *Project #2: The Effect of a Mixed Vasopressin Antagonism on Brain Edema and Outcome*
 - *PI: S. Hedna (Neurology), M. Waters (Neurology), S. Doré (Anesthesiology)*
 - *Project #3: Contribution of Haptoglobin in Hemorrhagic Stroke*
 - *PI: S. Blackburn (Neurosurgery), B Hoh (Neurosurgery), S. Doré (Anesthesiology)*
 - *Project #4: Does CO Protect Against Neonatal Hypoxic-Ischemic Encephalopathy?*
 - *PI: M. D-Escobar (Pediatrics), M. Weiss (Pediatrics).*
 - *Project #5: Lipoxin A4 Neuroprotection in Ischemic Stroke*
 - *PI: E. Candelario-Jalil (Neuroscience)*
 - *Project #6: Mapping of Ischemic Lesions in Motor and Premotor Cortex, Posterior Periventricular White Matter, and Corpus Callosum*
 - *PI: S. Nadeau (VA-Neurology), K. White (UF-Psychology), J. Daly (VA-BBRC/UF-Neurology)*
52. Funding Agency: NIH-T32 – UF- Hypertension – Predoc: J. Leclerc (PI)
 Title of Grant: Role of haptoglobin in Stroke
 Role: Mentor (0% effort)
 Effective Dates: 08/2013-07/2014

Inventions, Patents--- move these below grants

- ☐ 1. TREATMENT AND PREVENTION OF ISCHEMIC BRAIN INJURY - This patent proposes the use of a small PGF_{2a} FP receptor antagonist to reduce acute or chronic brain anatomical and functional neurological damages.

Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
DORE SYLVAIN [US]	UNIV JOHNS HOPKINS [US] DORE SYLVAIN [US]	G01N33/88	C12Q1/00	WO2009039484 (A1) 2009-03-26	2007-09-20

- ☐ 2. TREATMENT AND PREVENTION OF ISCHEMIC BRAIN INJURY - This patent proposes the use of means to regulate the lipocalin type-prostaglandin D synthase (L-PGDS) enzyme to reduce acute or chronic brain anatomical and functional neurological damages.

Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
DORE SYLVAIN [US]	UNIV JOHNS HOPKINS [US] DORE SYLVAIN [US]	C12Q1/25	C12Q1/00	WO2009039476 (A1) 2009-03-26	2007-09-20

- ☐ 3. ANTAGONISTS OF PGE₂ EP₃ RECEPTORS - This work revealed that small PGE₂ EP₃ receptor antagonist protect against stroke and other acute neurodegenerative conditions.

Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
DORE SYLVAIN [US] AHMAD ABDULLAH [US]	UNIV JOHNS HOPKINS [US] DORE SYLVAIN [US] (+1)	C07K16/28K	A61K39/395	WO2008067532 (A2) 2008-06-05 WO2008067532 (A3) 2008-07-31	2006-11-30

- ☐ 4. COMPOSITIONS AND METHODS FOR THE TREATMENT OR PREVENTION OF DISORDERS RELATING TO OXIDATIVE STRESS - This patent proposes the use small molecules that can affect the transcriptional factor Nrf2 cytoprotective pathway.

Inventor: BISWAL SHYAM [US] DORE SYLVAIN [US] (+6)	Applicant: UNIV JOHNS HOPKINS [US] BISWAL SHYAM [US] (+7)	EC: A01K67/027 A01K67/027M2 (+4)	IPC: A61K31/713 A61K48/00 A61P11/00 (+1)	Publication info: WO2007005879 (A2) 2007-01-11 WO2007005879 (A3) 2008-06-12	Priority date: 2005-07-01
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5. A METHOD FOR THE PREVENTION AND/OR TREATMENT OF NEURODEGENERATIVE DISEASES CHARACTERIZED BY ADMINISTERING AN EP1 RECEPTOR ANTAGONIST - This is described as an alternative to COX-2 inhibitors with more selectivity and less side-effects, by using a small molecule that antagonizes the G-protein coupled- receptor PGE₂ EP1.

Inventor: DORE SYLVAIN [US]	Applicant: UNIV JOHNS HOPKINS [US] DORE SYLVAIN [US]	EC: A61K31/557	IPC: A61K31/557	Publication info: WO2006135545 (A2) 2006-12-21 WO2006135545 (A3) 2007-08-02	Priority date: 2005-06-10
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EDUCATIONAL ACTIVITIES

1999–2002	Participant in weekly JHU Stoke Lab Conferences
2000–2004	Participant in weekly JHU laboratory meeting of Dr. Roger A. Johns
2001–2007	Interview-Evaluation of JHU faculty applicants
2001–2007	Interview-Evaluation of JHU ACCM postdoctoral fellow applicants
2003–2008	Coordinator of Annual JHU ACCM Research Day
2003–2010	Organizer of Weekly JHU Stroke Conference (with Dr. Ray Koehler)
2003–2009	Organizer of Weekly JHU Molecular/Stroke Lab Conference
2004–2010	Contributor/Mentor to the JHU ACCM NIH Training Grant
2004–2009	Organizer of JHU ACCM Faculty Research Conference (every 3 weeks)
2008–2010	Member of Johns Hopkins ACCM Promo Committee
2010–present	Teacher for Molecular Pathology of Neural Disease, JHU, Department of Neuroscience
2011–present	Teacher for Pharmacology and Experimental Medicine, JHU Honor MD Students
2011–present	Organizer of the JHU Anesthesiology Faculty Research Conference (every 3 weeks)
2011–present	Organizer for the 1 st and 2 nd Annual Research Day for the UF-Department of Anesthesiology
2011–present	Teacher for Principles of Neuroscience 3: Neural Integration and Control
2011–present	Director and Teacher for GMS 6029 — Brain Journal Club: Neurodegenerative Research: From Bench-to-Bedside for the UF Grad, Student Program, and for Postdoc Fellows, and Junior faculty members (Spring and Fall)
2012–present	Teacher, GMS 6750 — Molecular Pathology of Neural Disease
2012–present	Teacher, GMS 7794 — Neuroscience Seminar
2012–present	Teacher, MEL 4001 — Translational Neuroscience
2012–present	Teacher, UF- Continuing Education for Professional Development, Developing a Grant Proposal: Necessary Steps Along the Way!
2012–present	Organizer/Teacher, Anesthesiology - The A to Z to Grant Submission
2012–present	Organizer, Anesthesiology "Abstract-to-Paper" Mission Writing Workshops (I and II) for Residents, Fellows, and Faculty members.

Mentoring (Teaching)

University of Florida School of Medicine			
Time of mentorship	Name of student/fellow	Level	Current employment
10/2010-present	Abdullah S. Ahmad PhD	Ast Professor	Ast Prof., University of Florida, Anest
03/2011-present	Alexander Glushakhov PhD	Ast Professor	Ast Prof., University of Florida, Anest
07/2011-present	V. Shushrutha Hedna MD	Ast Professor	Ast Prof., University of Florida, Neurology
07/2011-present	Martha Douglas-Escobar MD	Ast Professor	Ast Prof., University of Florida, Pediatrics
01/2013-present	Spiros Blackburn MD	Ast Professor	Ast Prof., University of Florida, Neurosurgery
10/2010-present	Shekher Mohan PhD	Postdoc	Postdoc, University of Florida, Anest
04/2011-08/2013	Christopher Leonardo PhD	Postdoc	Teacher, Community College, Tampa
06/2011-present	Nilendra Singh PhD	Postdoc	Postdoc, University of Florida, Anest
07/2011-08/2013	Megha Agrawal PhD	Postdoc	Second Postdoc, University of Florida, Neurosci
06/2012-present	Saeed Ansari, MD	MD-Res Fellow	Fellow, University of Florida, Anest
06/2013-present	Pradeepan Saravanapavan MD	MD-Res Fellow	Fellow, University of Florida, Anest
08/2013-present	Jenna L Leclerc BS	MD-PhD Student	Pursuing her PhD, Univ of Florida
01/2013-present	Peter Cai BS	MD Student	Pursuing his MD, Univ of Florida
06/2013-08/2013	Nicholas Mendez	MD Student	Pursuing his MD at Herbert Werheim College of Medicine
06/2013-08/2013	Alex Wharton	MD Student	Pursuing his MD at Medical University of South Carolina
09/2011-08/2012	Bilal Yehia, BS	MS Student	Recruited by Fortune 500 Company NYC
09/2011-08/2013	Sean Robbins BS	MS Student	Completing Res Residency Program in Biotech in Alachua.
07/2012-07/2013	Jenna L Leclerc BS	Grad Student	Pursuing her MD-PhD, Univ of Florida
06/2011-present	Chase Chamber	Undergrad	Pursuing his BS, University of Florida
01/2012-present	Alexander DeCurnou	Undergrad	Pursuing his BS, University of Florida

04/2012-present	Morgan W. Bennett	Undergrad	Pursuing her BS, University of Florida
04/2012-present	Connor Bracy	Undergrad	Pursuing his BS, University of Florida
04/2012-present	Gabriela de Oliveira	Undergrad	Pursuing her BS, University of Florida
04/2012-present	Russell Moore	Undergrad	Res Tech in Tampa University
05/2012-05/2013	Arlena Tapia	Undergrad	Pursuing her BS, University of Florida
05/2012-05/2013	Alexandra Feuer	Undergrad	Pursuing her BS, University of Florida
05/2012-present	Matthew Mills	Undergrad	Pursuing his BS, University of Florida
06/2012-present	Sherry Ali	Undergrad	Pursuing his BS, University of Florida
06/2012-present	Gerald Boley	Undergrad	Pursuing his BS, University of Florida
06/2012-08/2013	Danna Cunningham	Undergrad	Pursuing her BS, University of Florida
02/2013-present	Thomas Dougherty	Undergrad	Pursuing his BS, University of Florida
01/2012-present	Joshua Immergluck	Undergrad	Pursuing his BS, University of Florida
08/2013-present	Jonathan Kistemaker	Undergrad	Pursuing his BS, University of Florida
01/2012-present	Monique Mendes	Undergrad	Pursuing her BS, University of Florida
01/2013-present	Sushmita Mittal	Undergrad	Pursuing her BS, University of Florida
01/2012-05/2013	Russell Moore	Undergrad	Res Tech, Johns Hopkins University
01/2012-present	Luke S Soshnik-Schierling,	Undergrad	Pursuing his BS, University of Florida
01/2012-present	David Tyburski	Undergrad	Pursuing his BS, University of Florida
08/2013-present	Kirk Walker	Undergrad	Pursuing his BS, University of Florida
Johns Hopkins University School of Medicine			
Time of mentorship	Name of student/fellow	Level	Current employment
02/2004-01/2006	Guo Wei, MD	Instructor	Senior Scientist, Walter Reed Army Institute
01/2006-12/2008	Jian Wang, PhD	Instructor	Ast Professor, Johns Hopkins University
01/2008-09/2010	Abdullah S. Ahmad, PhD	Instructor	Ast Prof., University of Florida
01/2008-06/2009	Zahoor Shah, PhD	Instructor	Asst Prof., Univ. of Toledo, Dept. of Medical Chemistry

08/2008-08/2010	Wangsen Cao, PhD	Instructor	Asst Prof. University of Shanghai
09/2004-01/2006	Eduardo D. Zamora, MD	Res. Associate	Research Scientist, National Institute of Mental Health
07/2009-06/2010	Sofiyan Saleem, PhD	Res. Associate	Asst Prof. Sanford Burnham Medical Research Institute.
09/2001-05/2006	Hean Zhuang, MD	Postdoctoral	Director of clinical trial group; Java/Oracle Developer
09/2002-07/2005	Yun-Sook Kim, PhD	Postdoctoral	Associate Prof., Kyungpook Natl. Univ. of South Korea
10/2003-10/2005	Valentina Echeverria, PhD	Postdoctoral	Associate Prof., Bay Pines VA & Univ. of South Florida
10/2003-10/2006	Muzamil Ahmad, PhD	Postdoctoral	Asst Prof. University of Kashmir.
10/2003-06/2009	Sofiyan Saleem, PhD	Postdoctoral	Asst Prof. Sanford Burnham Medical Research Institute
10/2003-12/2007	Abdullah S. Ahmad, PhD	Postdoctoral	Asst Prof., University of Florida, College of Medicine
12/2004-12/2005	Jian Wang, MD PhD	Postdoctoral	Asst Prof., John Hopkins Univ. School of Medicine
02/2005-12/2007	Zahoor A. Shah, PhD	Postdoctoral	Asst Prof., Univ. of Toledo, Dept. of Medical Chemistry
08/2004-05/2005	Jong-Seok Lee, PhD	Postdoctoral	Completing a Pharmacy degree, University of Maryland
09/2004-06/2006	Yoshihito Sakata, MD, PhD	Postdoctoral	Neurosurgeon, Toho University, Japan.
12/2004-12/2005	Jian Wang, MD PhD	Postdoctoral	Ast Professor, Johns Hopkins University
02/2005-12/2007	Abdullah S. Ahmad, PhD	Postdoctoral	Ast Prof., University of Florida, Anest
10/2003-12/2007	Zahoor Shah, PhD	Postdoctoral	Asst Prof., Univ. of Toledo, Dept. of Medical Chemistry
05/2005-03/2009	Rung-chi Li, PhD	Postdoctoral	OMD program at Berkley University.
06/2005-08/2010	Gehua Zhen, MD	Postdoctoral	Second postdoc in Cardiology at Johns Hopkins
01/2006-11/2006	Emil Zeynalov, MD	Postdoctoral	Fac Member, Army-Nursing Division
01/2007-08/2008	Shimin Liu, PhD	Postdoctoral	Faculty member, Mount Sinai School of Medicine
12/2007-08/2010	Yun Tai Kim, PhD	Postdoctoral	Assist Prof, University of South Korea
06/2008-08/2010	Bing Wang, MD PhD	Postdoctoral	Second postdoc, Johns Hopkins
09/2008-08/2010	Bo Ma, PhD	Postdoctoral	Staff Scientist at the NIH
02/2009-02/2010	Sang-kwan Moon OMD PhD	Postdoctoral	Clinician Scientist at Kyung Hee University
09/2003-06/2004	Khodadad Namiranian, MD	MD – Res. Fellow	Resident, Baylor University

01/2005-12/2006	Uzma Chaudhry, MD	MD – Res. Fellow	Completing her residency at Columbia University
01/1997-08/2000	Dan Guastella, BS	Grad Student	Completed Vet school, Kansas State University
09/2004-06/2005	Elizabeth L. Johnson, BS	Grad Student	Completing and MS in Biotechnology. Now a Research Scientist in the Army
06/2004-12/2004	Andrew Clerman	Undergrad	Medical school at Columbia University
09/2004-12/2004	Yee Wai (Millie) Chan	Undergrad	Completing a BS in Biomedical Engineering
05/2006-08/2006	Sebastien Doré	Undergrad	Teacher, Community College Ottawa
06/2006-08/2006	Albert Song	Undergrad	Completed a BS in Biology at Johns Hopkins University
12/2006-08/2007	Nidhi Kapoor	Undergrad	Research Scientist in Orlando
06/2005-06/2007	Koyi Choi	Undergrad	Attending Cornell University graduate school.
06/2006-09/2007	Jocelyn Fields	Undergrad	BS in Biology at Johns Hopkins University
09/2007-12/2008	Madhav Seshadri	Undergrad	Lab technician at the Kennedy Krieger Institute

Thesis Examiner/Committee

2005	Served as external examiner for doctoral candidate Cheryl Anne Hawkes, University of Edmonton, Edmonton, Alberta
2006-2009	Served as external examiner for doctoral candidate Bingnan Kang, Sol Snyder's Lab, Johns Hopkins University
2009	Served as the chair for the Graduate Board Oral Examination Committee of Pharmacology graduate student David Walker, William Nelson's Lab, Johns Hopkins University
2011	Served as an external examiner (reviewed her proposal) for doctoral IDP candidate Huong T. LE, University of Florida
2011-present	PhD Committee Member for Doctoral IDP candidate Vinita G. Chittoor, Dept of Neuroscience, University of Florida
2011-present	PhD Committee Member for Doctoral IDP candidate Kimberly Hawkins, Dept of Neuroscience, University of Florida
2011-2012	Chair, MS Committee for Master in Biotechnology candidate Bilal Yehia, Dept of Molecular Biology, University of Florida
2011-2013	Chair, MS Committee for Master in Biotechnology candidate Sean Robbins, Dept of Molecular Biology, University of Florida
2012-present	PhD Committee Member for Doctoral Pharmacology candidate Ahmed Albassam, Dept of Pharmacy, University of Florida

2012-present	MD/PhD Committee Member for Doctoral IDP candidate Douglas Bennion, Dept of Physiology, University of Florida
2013-present	MD/PhD Committee Member for Doctoral IDP candidate Jenna Leclerc, Dept of Anesthesiology, University of Florida

EDITORIAL ACTIVITIES

Editorial Board

2008-present	Frontiers in Neuroscience
2008-present	Neurotoxicity Research
2009-present	Faculty of 1000
2010-present	World Journal of Cardiology
2010-present	International Journal of Clinical and Experimental Medicine
2011-present	Translational Neuroscience
2013-present	International Journal of Clinical Anesthesiology

Ad Hoc Journal Peer Review Activities

1999	<i>Adis International Medical Publishing, New Zealand</i>
2002, 2003	<i>American Journal of Physiology</i>
2007-2012	<i>Annals of Neurology</i>
2002	<i>Annals of New York Academy of Sciences</i>
2003	<i>Biochemical Pharmacology</i>
2009	<i>Biochemistry, Biophysics and Molecular Biology</i>
2006	<i>Behavioral Brain Research</i>
2001-2012	<i>Brain Research</i>
2006	<i>Brain Research Bulletin</i>
2000	<i>Brain Research Interactive</i>
2001, 2003, 2009, 2010	<i>British Journal of Pharmacology</i>
2006	<i>Cellular and Molecular Neurobiology</i>
2002, 2003	<i>Endocrine</i>
2000, 2003	<i>European Journal of Biochemistry</i>
2000	<i>European Journal of Neuroscience</i>
2007	<i>European Neuropsychopharmacology</i>
2009-2012	<i>Experimental Neurology</i>
2007-2012	<i>Free Radical Biology and Medicine</i>
2006	<i>Journal of Alzheimer's disease</i>
2001, 2003	<i>Journal of Applied Physiology</i>
2007	<i>Journal of Biological Systems</i>
2003-2012	<i>Journal of Cerebral Blood Flow and Metabolism</i>
2001, 2002, 2003	<i>Journal of Chemical Neuroanatomy</i>
2012-2013	<i>Journal of Clinical Investigation</i>
2009-2012	<i>Journal of Neurochemistry</i>
2002-2012	<i>Journal of Neuroscience</i>

2002	<i>Journal of Physiology</i>
1999	<i>Journal of Psychiatry and Neuroscience</i>
2010	<i>Lancet</i>
2001-2012	<i>Life Sciences</i>
2012	<i>Molecular and Cellular Biochemistry</i>
2007	<i>Nature Protocols</i>
2007-2012	<i>Neurobiology of Disease</i>
2009, 2010	<i>Neurochemical Research</i>
2008-2012	<i>Neurochemistry International</i>
2010	<i>Neuropharmacology</i>
2000-2012	<i>Neuroscience</i>
2007-2012	<i>Neuroscience Letters</i>
2008-present	<i>Neurotoxicity Research</i>
2002-2012	<i>NeuroToxicology</i>
2009	<i>Pharmacological Reports</i>
2003	<i>Proc Natl Acad Sci. USA</i>
2001	<i>Pediatric Research</i>
2000-2012	<i>Stroke</i>
2004	<i>Thrombosis and Haemostasis</i>
2003-2012	<i>Toxicological Sciences</i>

Advisory Committees, Review Groups

Member and Reviewer, Conference organizations

2001-2003	International Symposium on Cerebral Blood Flow, Metabolism & Function (Brain'07) Young Investigators Committee
02/2006	23 rd International Symposium on Cerebral Blood Flow, Metabolism & Function (Brain'07) and the 8th International Conference on Quantification of Brain Function with PET (BrainPET'07)
02/2006	8 th Annual ACCM Research Day, Johns Hopkins University, SOM, Department of Anesthesiology and Critical Care Medicine, Baltimore, MD.
02/2007	9 th Annual ACCM Research Day, Johns Hopkins University, SOM, Department of Anesthesiology and Critical Care Medicine, Baltimore, MD.
11/2008	10 th Annual ACCM Research Day, Johns Hopkins University, SOM, Department of Anesthesiology and Critical Care Medicine, Baltimore, MD.
02/2009	24 th International Symposium on Cerebral Blood Flow, Metabolism & Function (Brain'07) and the 8th International Conference on Quantification of Brain Function with PET (BrainPET'07)
05/2011-2013	Anesthesiology Celebration of Research, University of Florida, College of Medicine, Gainesville, FL.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

1985–1988	University of Montreal/Departmental Assembly, Student Representative
1988–1990	National Inst. for Scientific Research/Univ. of Quebec, Grad Student Assoc., Member
1990–1992	Notre-Dame Hospital Research Center/Univ. of Montreal, Researchers Assembly, Grad Student Representative
1990–1993	University of Montreal, Executive Committee, Grad. Student Ass. Faculty of Med., Delegate
1990–1993	Notre-Dame Hospital Research Center/University of Montreal, Researchers Assembly, Conference Organizer
1994–1996	Douglas Hospital Research Center/McGill University, Ethical Committee (Clinical and Fundamental Research), Post-PhD representative
2008–2010	Johns Hopkins University, Dept ACCM, Promotion Committee (to Associate Prof)
2010–present	University of Florida, Department of Anesthesiology, Member of the Research Committee
2011	University of Florida, IACUC, Committee Member for the Review of the Submission Process
2011–present	University of Florida, Department of Anesthesiology, Member of the team to interview Faculty Applicants
2011–present	University of Florida, Department of Anesthesiology, Member of the team to interview MD Applicants
2011–present	University of Florida, Department of Neurology, Member of the team to interview Faculty Applicants
2011–present	University of Florida, Department of Psychiatry, Member of the team to interview Faculty Applicants
2011–present	University of Florida, Department of Neuroscience, Member of the team to interview Faculty Applicants
2011–present	University of Florida, NIH-Clinical and Translational Science Institute (CTSI), Committee Member for Strategic Development Planning
2011–present	University of Florida, Interdisciplinary Program (IDP) Grad Program, Member of the team to interview Grad Students Applicants
2011–present	University of Florida, Department of Molecular Genetics & Microbiology, Member of the team to interview Grad Students Applicants for the NSF Master in Biotechnology Program
2011–present	University of Florida, Department of Anesthesiology, Organizer, Annual Anesth Celebration of Res. Day
2012–present	University of Florida, Department of Anesthesiology, Chair for the Recruitment of Research Fac Candidate
2013–present	University of Florida, Faculty Senator

Professional Societies (Membership)

1989–1996	Member, Association of Chemists of Quebec
1992–1995	Member, Association for Clinical Research of Quebec
1994–1996	Member, Center for Studies on Aging, McGill University

- 1994–2000 Member, International Insulin-like Growth Factor Society
- 1994–present Member, American Society for Neuroscience
- 1997–present Member, American Association for the Advancement of Science
- 1999–2009 Member, New York Academy of Sciences
- 2000–2010 Member, Johns Hopkins Medical and Surgical Association
- 2000–present Member, International Society for Cerebral Blood Flow and Metabolism
- 2000–present Member, National Stroke Association
- 2001–2005 Member of Young Committee, Intl. Society, Cerebral Blood Flow & Metabolism
- 2003–2005 Member, Neurotoxicity Society
- 2003–present Member, American Heart Association
- 2004–2005 Member, American Society of Neurochemistry
- 2008–present Member, Integrative Practitioner
- 2011–present Member, American Society of Epilepsy, Member

Conference Organizer, Session Chair, Judge

- 02/2002 Session Chair, Smith MA, Doré S, Dwyer B, Abraham N. Induction of Heme Oxygenase by WCBR-related activities: Good or Bad? Winter Conference on Brain Research.
- 02/2002 Session Chair, Quirion R, Doré S, Cotman C, Jellinger K. Apoptosis in neurological diseases: Myth or Reality? Winter Conference on Brain Research.
- 11/2003 Organizer, 5thth Annual ACCM Research Day, Johns Hopkins University, School of Medicine, Department of Anesthesiology and Critical Care Medicine, Baltimore, MD.
- 11/2004 Organizer, 6thth Annual ACCM Research Day, Johns Hopkins University, School of Medicine, Department of Anesthesiology and Critical Care Medicine, Baltimore, MD.
- 11/2005 Organizer, 7thth Annual ACCM Research Day, Johns Hopkins University, School of Medicine, Department of Anesthesiology and Critical Care Medicine, Baltimore, MD.
- 11/2008 Session Chair, 35th Annual Meeting of the Society for Neuroscience
Brain Trauma, Washington, DC.
- 12/2006 Organizer, 8thth Annual ACCM Research Day, Johns Hopkins University, School of Medicine, Department of Anesthesiology and Critical Care Medicine, Baltimore, MD.
- 12/2007 Organizer, 9thth Annual ACCM Research Day, Johns Hopkins University, School of Medicine, Department of Anesthesiology and Critical Care Medicine, Baltimore, MD.
- 06/2009 Session Chair, 24th International Symposium on Cerebral Blood Flow, Metabolism and Function
LAS Lassen Award Symposium, Chicago, IL,

04/2011	Judge, 37 th Annual Gulf Atlantic Anesthesia Residents' Research Conference (GAARRC) Orlando, FL,
05/2011	Organizer, 1 st Annual Anesthesiology Celebration of Research, University of Florida, College of Medicine, Gainesville, FL.
04/2012	Judge, Annual UF Neuroscience Retreat at the Whitney Laboratory for Marine Bioscience, St. Augustine, FL.
05/2013	Organizer and Judge, 2 nd Annual Anesthesiology Celebration of Research, University of Florida, COM, Gainesville, FL.
03/2013	Judge, Third Annual North Central Florida Society Gainesville, FL.

Invited Speaker

2000	McLean Hospital, Neuroscience Seminar <i>Is bilirubin a potent antioxidant in neurons? Implications is Alzheimer's disease and in cerebral ischemia</i> Harvard University, Boston, MA
2000	Pediatric Grand Rounds <i>Role of heme oxygenase and bilirubin in the brain</i> Laval University, Quebec, Qc
2001	Strategic Research Institute <i>Neuroprotective Action of Heme Oxygenase</i> 4 th International Meeting on Neurodegeneration in Alzheimer's Disease, Parkinson's Disease, and related disorders New Jersey
2002	Data Conference, Anesthesiology <i>Role of cyclooxygenase 2 in cerebral ischemia</i> Johns Hopkins University, Baltimore, MD
2002	Brain Conference – Lassen Award <i>Role of Heme Oxygenase in Stroke and Alzheimer disease</i> Taipei, Korea
2002	Data Conference, Anesthesiology <i>In vivo regulation of heme oxygenase regulation</i> Johns Hopkins University, Baltimore, MD
2002	Atorvastatin Research Meeting <i>Role of Heme Oxygenase (HO)</i> San Francisco, CA
2002	International HO meeting Protective effects of Heme Oxygenase 2 in ischemia Catania, Italy
2004	Mars Meeting Potential Neuroprotective Mechanism of Cocoa Baltimore, MD

- 2005 Biennial ACCM
COX-2 Inhibition and Activation of PGE₂ Receptors are Neuroprotective: New targets for development of drug therapies
Johns Hopkins University, Baltimore, MD
- 2006 Ipsen Conference
Reduction of infarct size by Ginkgo biloba
Bruges, Belgium
- 2006 Keystone Symposia
Role of PG receptors in inflammation
Eicosanoids in Inflammation and Chronic Diseases
Vale, CO
- 2006 CAM (Complementary and Alternative Medicine) Lecture Series
Efficacy and Mechanisms of Action of Bioactive Natural Supplements
Johns Hopkins University, Baltimore, MD
- 2006 Symbioscience Inc.
Efficacy and Mechanisms of Action of Bioactive Natural Supplements and Role of HO
Brussels, Belgium
- 2006 Pharmacology Dept, Johns Hopkins University
Use of pre-clinical models to address efficacy and mechanism of action.
Professor Paul Talalay, Dept of Pharmacology and Molecular Sciences, JHU, Baltimore, MD
- 2006 Research Conference Neuroscience Dept, Johns Hopkins University
Use of pre-clinical models to address efficacy and mechanisms of action.
Johns Hopkins University, Baltimore, MD
- 2007 Ipsen Conference
Neuroprotection mechanism of action of EGb761
Berlin, Germany
- 2007 Grand Rounds - Anesthesiology and Critical Care Medicine
Use of pre-clinical CNS models to test novel hypotheses, drug efficacy, and mechanisms of action
Johns Hopkins University, Baltimore, MD
- 2007 Bio Korea 2007 Conference
Efficacy and Mechanisms of Action of Bioactive Natural Supplements
Seoul, Korea
- 2007 Health Minister Dept, Seoul, Korea
Efficacy and Mechanisms of Action of Bioactive Natural Supplements
Seoul, Korea – Office of Policy
- 2007 Kyung Hee Univ, Dept Pharmacology
Efficacy and Mechanisms of Action of Bioactive Natural Supplements
Seoul, Korea
- 2007 Kyung Hee Univ, Dept Medicine, SOM
Efficacy and Mechanisms of Action of Bioactive Natural Supplements

Seoul, Korea – Dean's talk

- 2007 ILHWA Co Meeting,
Efficacy and Mechanisms of Action of Bioactive Natural Supplements such as Ginseng
Seoul, Korea
- 2007 Neuro-Critical Care Unit
Use of Pre-clinical CNS Models to Test Novel Hypotheses, Drug Efficacy, and Mechanisms of Action
Johns Hopkins University, Baltimore, MD
- 2007 Johns Hopkins Alliance for Science and Technology Development, Johns Hopkins U
Use of Prostaglandin G-protein coupled receptor (GPCR) ligands to reduce brain damage from stroke and other neurological disorders
Johns Hopkins University, Baltimore, MD
- 2007 GEMI Annual Meeting
Role of CO in stroke
Berlin, Germany
- 2007 Dept of Endocrinology, JHU-SOM
Efficacy and Mechanisms of Action of Bioactive Natural Supplements
Medical Health Researchers from University of Maryland and from Seoul, Korea
- 2007 Brain 07
Carbon monoxide protects against brain ischemia
Osaka, Japan
- 2008 Hopkins Neuroinvestors
Use of Prostaglandin G-protein coupled receptor (GPCR) ligands to reduce brain damage from stroke and other neurological disorders
Baltimore, MD
- 2008 Congres international de traumatismes craniens et medulaires (CITCM): Nouvelles approches
Neuroprotective action of heme oxygenase and its regulation
Espace Renault Square, Hauts-de-Seine, France
- 2008 Pharmacology Research Conference, JHU-SOM
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
Johns Hopkins University, Baltimore, MD
- 2008 DSM Conference
Pre-clinical CNS models to determine the efficacy and mechanisms of action of nutritional products
Basel, Switzerland
- 2008 EU Stroke Consortium
Overview of Ischemic Stroke and its Preclinical Models
Kupio, Finland
- 2008 USUHS Research Conference, Program of Neuroscience
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
Uniformed Services University of the Health Sciences, Bethesda, MD

- 2009 ACCM Wed Research Conference
Pharmacological alternatives to COX-2 inhibitors against ischemic and hemorrhagic stroke
 Johns Hopkins University, Baltimore, MD

- 2009 Pharmacology Research Retreat
Role of prostaglandin receptors in stroke
 Belmont Conference Center, Elkridge, MD

- 2009 International HO Meeting
Role of HO's in the brain
 Miami Resort, Miami Beach, FL

- 2009 Oxygen Club of Greater Washington, DC.
Role of heme oxygenase in ischemic and hemorrhagic stroke
 NIH and USUHS
 Washington, DC.

- 2009 2009 ICPH Meeting
The flavanol (-)-epicatechin prevents stroke damage through the Nrf2-HO1 pathway
 Harrogate, UK

- 2010 International Stroke Meeting 2010
Role of EP1 and EP3 receptor in stroke
 San Antonio Texas

- 2010 Lipid Meeting
Role of prostanoids in stroke
 Paris, France

- 2010 Bloomberg School of Public Health, JHU – Research Seminar
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
 Baltimore, MD

- 2010 Louisiana State University – Research Rounds
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
 New Orleans, LA

- 2010 VA Health Care System – Research Seminar
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
 Bay Pines, FL

- 2010 Cornell University, Burke Rehabilitation Hospital,
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
 White Plains, NY

- 2010 Institute of Medicine – Advisory Panel
Workshop: Nutrition and Neuroprotection in Military Personnel
 Washington, DC

- 2010 Thomas Jefferson University - Neurology Grand Rounds
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
 Philadelphia, PA

- 2011 University of Florida – Department of Neuroscience, Department of Neurology – Research Seminar
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
Gainesville, FL
- 2011 Florida Stroke Nurses, PTs, and OTs - Continuing Education Health
What is the status of stroke research?
St. Petersburg, FL
- 2011 International Meeting on Vision Research - Research Seminar
Saving the salvageable neurons after ischemia"
Gainesville, FL
- 2011 University of Florida – Department of Psychiatry – Research Seminar
Use of preclinical stroke models to address efficacy and mechanisms of action of neuroprotective agents
Gainesville, FL
- 2012 University of Florida – Department of Neurosurgery – Research Seminar
Preclinical research tools for neurosurgeons
Gainesville, FL
- 2012 MBI – Brain and Spinal Cord Injury Research Trust Fund – Research Seminar
Potential neuroprotective pathways in Stroke and Controlled Cortical Impact (CCI)
Gainesville, FL
- 2012 7th Int'l Congress of Heme Oxygenases & Related Enzymes Edinburgh University
Carbon monoxide protects against brain ischemia
Edinburgh, UK
- 2012 Florida Stroke Nurses, PTs, and OTs - Continuing Education Health
Latest developments on Stroke Research
St. Pete Beach, FL
- 2013 Florida Dept of Agriculture
Mechanisms of action of neuroprotective pathways
Gainesville, FL
- 2013 UF/VA Institute on Aging HPNP
Mechanisms of action of Stroke Neuroprotective Agents
Gainesville, FL
- 2013 SIA Yorker Brain Awareness Foundation at the Clarion Hotel Convention Center
Risk factors for Ischemic and Hemorrhagic Stroke
Deland, FL

Scientific Advisory Committees, Review Groups

- 1997, 2004, 2006 Neuroscience Society Foundation (NSF)
(External Reviewer)
- 1999 Evaluation of a biotech company for Roche Products International
(External Reviewer)

1999-2004	Alzheimer Society of Canada (External Reviewer)
2000-2004	American Heart Association (AHA) (4-yr term on Brain 01) (External Reviewer)
2000	Veterans Affairs (VA) (External Reviewer)
2001	The Hospital for Sick Children Foundation (External Reviewer)
2001-2010	Alzheimer's Association (External Reviewer)
2002 - 2005	Scottish Rite Charitable Foundation Member of the Study Section to evaluate and score all grants (Internal Reviewer)
2002	Heart and Stroke Foundation (External Reviewer)
2003	Canadian Institute of Health Research Member of the Study Section to evaluate and score all Letters of Intent for RFAs (Internal Reviewer)
2003 - 2004	VA Merit Review Boards (External Reviewer)
2003 - 2005	NIH - National Center for Complementary and Alternative Medicine Member of a Study Section to evaluate and score all R21 grants (Internal Reviewer)
2003 - 2010	Canadian Institute of Health Research (CIHR) (External Reviewer)
2004 - 2008	American Heart Association (AHA) (4yr term on Brain 01) Member of the Study Section to evaluate and score all grants (Internal Reviewer)
2004	National Center for Complementary and Alternative Medicine (NCCAM) Panelist for the NCCAM 2005-2009 Strategic Planning Stakeholder Meeting, Natcher Conference Center, March
2005	National Institute of Neurological Disorders and Stroke (NINDS) Special Emphasis Panel (Internal Reviewer)
2005	CRSNG (External Reviewer)
2005	McGill University, Office of Graduate and Postdoctoral Studies (External Reviewer)

2008 - 2009	Johns Hopkins Anesthesiology/Critical Care Medicine Seed Grant (External Reviewer)
2009	NIH - National Center for Complementary and Alternative Medicine Member of a Study Section to evaluate and score all R21 grants (Internal Reviewer)
2009	NIH - National Center for Complementary and Alternative Medicine Member of a Special Study Section to evaluate and score all ARRA grants (Internal Reviewer)
2010	Qatar National Research Fund (External Reviewer)
2010 - 2012	Canadian Institute of Health Research (CIHR) Alzheimer's study section (Internal Reviewer)
2010 - 2012	Pennsylvania Department of Health (External Reviewer)
2010	Alzheimer's Disease and Related Disorders (France) (Internal Reviewer)
2010 - 2011	American Heart Association (AHA) (Brain 03) Member of the Study Section to evaluate and score all grants (Internal Reviewer)
2010	NIH - National Center for Complementary and Alternative Medicine (NCCAM) (External Reviewer)
2010, 2012	Canadian Institute of Health Research (CIHR) CIHR's China-Canada Joint Health Research Initiative (Internal Reviewer)
2010 - 2012	Alzheimer Society of Canada (Internal Reviewer)
2010 - 2012	Alzheimer Society of Canada (Internal Reviewer)
2011	Center for Integration of Medicine and Innovative Technology (CIMIT) (Internal Reviewer)
2011	NIH - National Institute of Neurological Disorders and Stroke (NINDS) (co-Chair and Internal Reviewer)
2011-2013	Centers for Excellence European Union (EU) Community (Internal Reviewer)
2011-2013	American Heart and Stroke Association - Brain Study Section

(Chair and Internal Reviewer)
Three Study Sections per year

2012-2013

Brain Canada
Canada Brain Research Fund's (CBRF) - Multi-Investigator Research Initiative (MIRI)
(Internal Reviewer)

RECOGNITION

Scholarships/Fellowships (peer-reviewed)

1. 09/83–05/85 Campus Notre-Dame-de-Foy (College), DEC Health Sciences, Studentship
2. 06/87–09/87 St. Justine Hospital Research Center, BS Biochemistry, Studentship
3. 07/88–04/90 University of Quebec, MS Pharmacology, Studentship
4. 05/90–10/93 The Arthritis Society, PhD Biomedical Sciences, Studentship
5. 05/94–04/97 Medical Research Council/Alzheimer Society of Canada, Post-PhD Neuroscience, Fellowship Award (declined)
6. 05/94–04/97 Health Research Fund of Quebec, Post-PhD Neuroscience, Fellowship Award (declined)
7. 05/94–04/97 The Alzheimer Society of Canada, Post-PhD Neuroscience, Fellowship Award
8. 05/97–04/98 Health Research Fund of Quebec, Post-PhD Neuroscience, 4th year Fellowship Award (declined)
9. 05/97–04/98 Medical Research Council/Novartis, Post-PhD Neuroscience, Fellowship Award
10. 05/98–04/00 Medical Research Council, Post-PhD Neuroscience, Centennial Fellowship

Awards and Honors

1. 1992 Second Best Presentation, Department of Medicine, University of Montreal
2. 1992 Best Scientific Presentation, Laurentian Conference of Rheumatology
3. 1992 Honor for the Best Presentation, Dept. of Medicine, University of Montreal
4. 1992 Wyeth-Ayerst Research; Travel Award, Annual Meeting of OARS, France
5. 1992 Travel Award, Medical Department, Notre Dame Hospital; Meeting of OARS, France
6. 1993 Best PhD Work, Biomedical Sciences Department, University of Montreal
7. 1993 Best PhD Work, Graduate Faculty, University of Montreal
8. 1993 R.S. Rosen Prize, Best Scientific Presentation, 62nd Annual Meeting of Royal College of Physicians and Surgeons
9. 1993 Travel Award; The Rheumatism Association, 62nd Annual Meeting of the Royal College of Physicians and Surgeons
10. 1994 Nomination for best thesis in Montreal — Graduate Faculty, University of Montreal
11. 1995 Selected for a Data Blitz, Winter Conference on Brain Research
12. 1995 Selected for a Press Release, Clinical Applications, Abstract chosen by the Members of the Society for Neuroscience
13. 1996 FRSQ Prize, Second Best Scientific Presentation; Best Oral Presentation, Annual Meeting of

- Mental Health, FRSQ
14. 1996 Selected for a Press Release, Clinical Applications
 15. 1996 Selected for a Data Blitz, Winter Conference on Brain Research
 16. 1996 Invited for a presentation at the Session on Neurodegenerative Diseases, Sponsored by NEN Life Sci.
 17. 1997 Selected for a Press Release, Clinical Applications, Abstract chosen by the members of the Society for Neuroscience
 18. 1997 Selected for a Data Blitz, Winter Conference on Brain Research
 19. 1998 Selected for a Data Blitz, Winter Conference on Brain Research
 20. 1998 Invited for a Presentation at the Session on Neurodegenerative Diseases, Sponsored by NEN Life Sci.
 21. 1999 Research highlighted on front cover of *Molecular Medicine*
 22. 1999 Selected for a Data Blitz, Winter Conference on Brain Research
 23. 2000 Travel Fellowship for young investigator, Parke-Davis/Pfizer
 24. 2000 Selected for a Symposium, Winter Conference on Brain Research
 25. 2000 Fellowship for young investigator, Winter Conference of Brain Research
 26. 2001 Travel Fellowship for young investigator, Parke-Davis/Pfizer
 27. 2001 Recipient of the Niels Lassen Award: The Lassen Award is presented by the International Society for Cerebral Blood Flow and Metabolism to recognize an outstanding scientific contribution made by a young scientist.
 28. 2001 Travel Award, 18th International Symposium on Cerebral Blood Flow Metabolism and Function-Brain 01
 29. 2003 Article selected to appear in the Basic Science/Genetics Newsletter, which reports medical news from top neurology journals
 30. 2004 Interviewed: *Joys, benefits of chocolate*, Baltimore Sun and the Chicago Tribune
 31. 2004 Interviewed by Joanne Silberner for National Public Radio (NPR): *Sampling Research at the Chocolate Symposium*
 32. 2007 Recipient of the GEMI Research Award
 33. 2008 Introduce into Medicine Who's Who
 34. 2009 Interviewed by National Public Radio (NPR): *Neuroprotective role of carbon monoxide*
 35. 2009 Abstract Selected for a JHU Media Blitz at the 2009 Annual Meeting for the Society for Neuroscience
 36. 2009 Award for a best presentation during the ICPH Meeting, Harrogate, UK
 37. 2010 Rank 18 as the top published authors by number of 1st/last author manuscripts. (Bibliometric analysis from the period of 2006-2008 analysis of the publications for all faculty from every US academic anesthesiology and critical care medicine departments.)
 38. 2011 Best Poster Presentation (among 56). University of Florida College of Medicine, Annual Anesthesiology Research Day ,
 39. 2011 Chairman Award for Outstanding Service and Dedication to the Department – Department of Anesthesiology, University of Florida College of Medicine.

Awards and Honors (for Postdoctoral Fellows, and Transition from Fellow to Faculty positions)

1. 2003 Travel Award for post-doctoral fellow, Yun-Sook Kim PhD, for her abstract 20th International Symposium on Cerebral Blood Flow Metabolism and Function-Brain 03

2. 2003 Travel Award for post-doctoral fellow, Khodadad Namiranian MD, for his abstract 20th International Symposium on Cerebral Blood Flow Metabolism and Function-Brain 03
3. 2004 Post-doctoral Fellowship, Yun-Sook Kim PhD, from the AHA
4. 2004 Travel Award for post-doctoral fellow, Yun-Sook Kim PhD, for her abstract Annual Meeting of the American Society of Neurochemistry
5. 2004 Travel Award for post-doctoral fellow, Valentina Echeverria PhD, for her abstract Annual Meeting of the American Society of Neurochemistry
6. 2005 Post-doctoral Fellowship, Abdullah Ahmad PhD, from the AHA
7. 2006 Donna Graff Marriott Award awarded to post-doctoral fellow, Abdullah Ahmad PhD, from the Women's Board of the American Heart and Stroke Association
8. 2006 New Investigator Grant, Guo Wei, MD, from the Alzheimer's disease Association
9. 2006 Scientist Development Grant, Jian Wang MD, PhD, from the AHA
10. 2007 Fellowship grant Emil Zeynalov MD, from the ACCM NIH-Training grant
11. 2008 Fellow to Faculty K99/R00 grant, Zahoor Shah PhD, from the National Institute of Health
12. 2008 Scientist Development Grant, Abdullah S. Ahmad PhD, from the AHA
13. 2008 Post-doctoral Fellowship, Rung-chi Li PhD, from the American Heart and Stroke Association
14. 2008 Grain-In-Aid, Jian Wang MD, PhD, from the American Heart and Stroke Association
15. 2008 Honor mention for the abstract by Jian Wang MD, PhD for the Annual JHU ACCM Research Conference Day
16. 2008 Jian Wang MD, PhD, Recruited to be an ad-hoc reviewer on AHA Stroke Study section
17. 2008 Abdullah Ahmad PhD, selected for an oral presentation
18. 2009 Travel award for Abdullah S. Ahmad PhD (Instructor), to present at the Annual Eicosanoid Meeting
19. 2009 Travel Award for post-doctoral fellow, Bing Wang PhD, for his abstract 23th International Symposium on Cerebral Blood Flow Metabolism and Function-Brain 09
20. 2009 Cover Page for Sofiyan Saleem PhD (Postdoc Fellow), article in Neuroscience
21. 2009 Post-doctoral Fellowship, Yun Tai Kim PhD, from the American Heart and Stroke Association
22. 2009 Post-doctoral Fellowship, Bo Ma PhD, from the American Heart and Stroke Association
23. 2009 Second position award for Jian Wang MD, PhD (Instructor), for a best neuroscience presentation at the Annual ACCM Meeting
24. 2010 Abstract selected for Abdullah S. Ahmad PhD (Instructor), for a presentation at the International Stroke Conference
25. 2010 Post-doctoral Fellowship, Bing Wang Ma PhD (Postdoc Fellow), from the American Heart Association
26. 2011 Abstract selected for Zahoor Shah PhD (Postdoc Fellow), for a presentation of his mentored-research at the International Stroke Conference
27. 2012 NIH/F32 3yr-Fellowship grant Shekher Mohan PhD (Postdoc Fellow), from the NIH-NINDS
28. 2012 Howard Hughes Medical Institute of Science for Life Recipient Chase Chambers (Pre-Med Student), at SFN Annual Conference
29. 2013 Second place undergraduate poster award for Chase Chambers (Pre-Med Student), at the 2013 UF College of Medicine Celebration of Research Poster Session
30. 2013 Third place science winner, Chase Chambers (Pre-Med Student), at the 2013 UF HHMI-Science For Life Creativity in the Arts and Sciences
31. 2013 AHA Young Investigator Travel Award to Nilendra Singh PhD (Postdoc Fellow) at the 2013 International Stroke Conference
32. 2013 First place poster award for Peter Cai (MD student), at the 2013 UF College of Medicine

Celebration of Research Poster Session

- 33. 2013 Best presentation award for Christopher Leonardo PhD (Postdoc Fellow), at the 2013 UF College of Medicine Celebration of Research Poster Session
- 34. 2013 Student Ambassador for the Howard Hughes Medical Institute of Science for Life Program, Chase Chambers (Pre-Med Student)
- 35. 2013 Abstract from Nilendra Singh PhD (Postdoc Fellow) entitled, Prostaglandin E₂ EP1 Receptor Deletion Exacerbates Brain Injury and Behavioral Deficits After Experimental Induced Intracerebral Hemorrhage, which was presented at one of the American Heart Association's Specialty Conferences in 2013 is among the top 10 percent of the accepted abstracts.