

Curriculum Vitae

Mark Edward Jackson, Ph.D.

Central Connecticut State University, New Britain, CT 06050
jacksonmae@ccsu.edu

Professor, Department of Biology
Co-Coordinator of Doctor of Nurse Anesthesia Practice Program (DNAP)

EDUCATION

<u>Institution</u>	<u>Degree</u>	<u>Dates</u>	<u>Major</u>
University of Texas at Dallas	Ph.D.	1997	Neuroscience
University of Texas at Arlington	B.S.	1986	Mathematics

PROFESSIONAL EXPERIENCE

Central Connecticut State University	Interim Chairperson, Department of Management Information Systems, School of Business	2021-2022
Central Connecticut State University	Faculty Senate President	2018-2020
Central Connecticut State University	Professor of Biology	2017-Present
Central Connecticut State University	Associate Professor of Biology	2011-2017
Central Connecticut State University	Assistant Professor of Biology	2006-2011
University of Pittsburgh	Research Assistant Professor	2003-2006
University of Pittsburgh	Adjunct Assistant Professor	2005-2006
Yale University Medical School	Research Assistant Professor	2001-2003
Yale University Medical School	Postdoctoral Fellow	1999-2001
Stony Brook University	Postdoctoral Fellow	1997-1999
University of Texas at Dallas	Teaching and Research Graduate Assistant	1992-1997
United States Airforce	Rank: Captain Aircraft Crew Commander and Pilot KC-135 Aircraft Gulf War Combat Veteran	1986-1992

Awards

CCSU Deans Award for Special Service to School of Business	2022
CCSU Student Government Association Open Education Resource Pioneer of the Year Award	2019
CCSU School of Engineering, Science, and Technology Outstanding Service Award	2017
CCSU Excellence in Teaching Nomination	2021-2022
CCSU Excellence in Teaching Nomination	2020-2021
CCSU Excellence in Teaching Nomination	2019-2020
CCSU Excellence in Teaching Nomination	2017-2018
CCSU Excellence in Teaching Honor Roll	2016-2017
CCSU Excellence in Teaching Honor Roll	2015-2016

CCSU Excellence in Teaching Honor Roll	2014-2015
CCSU Excellence in Teaching Semi-Finalist	2011-2012
CCSU Excellence in Teaching Honor Roll	2008-2009
National Alliance for Research in Schizophrenia and Depression Young Investigator Award	2002
National Research Service Fellowship Award, Yale University Medical School	1999
National Research Service Fellowship Award, State University of New York at Stony Brook	1997-1998
University of Texas at Dallas Regents Fellowship, Program in Cognition and Neuroscience	1992-1997
United States Air Force Air Medal for Meritorious Achievements in Aerial Combat during Persian Gulf War	1991
United States Air Force Aerial Achievement Medal for Meritorious Achievements in Aerial Flight	1990
John L. Hart Award for Exceptional Leadership in United States Air Force Pilot Training	1987
Daughters of the American Revolution Award for Outstanding Leadership in Air Force ROTC and Service to the Community	1986

CCSU University Service

Faculty Advisory Committee to Board of Regents for Higher Education	2021-present
University Promotion and Tenure Committee, Chairperson	2021-present
Faculty Senator (Biology)	2022-present
Constitution and Bylaws Committee of Faculty Senate	2022-present
Faculty Advisory Committee to BOR (FAC)(alternate)	2021-present
Interim Chair, Department of Management Information Systems	2021-2022
School of Business Recruitment and Retention Task Force	2021-2022
School of Engineering, Science, and Technology Strategic Planning Steering Committee	2020-2021
Member, Department Evaluation Committee for Anthropology Dept	2020
Chair, Institutional Animal Care and Use Council	2020-2021
Student Success Committee	2020-2022
Faculty Senate President	2018-2020
Integrated Planning Council (voting ex-officio as Senate President)	2018-2020
University Strategic Planning Steering Committee	2018-present
Facilities Planning Committee (ex-officio as Senate President)	2018-2020
University Sabbatical Leave Committee	2019-2020
University Commencement Planning Committee	2018-2019
University NEASC (NECHE) self-study Steering Committee	2018-2019
University Curriculum Committee	2007-2018
University Curriculum Chair (2012-2016)	
Vice-Chair University Curriculum Committee (2016-2018)	
Chair General Education Subcommittee (2016-2017)	
Chair of General Education Subcommittee (2011-2012)	
Secretary of Arts and Sciences Subcommittee (Spring 2010)	
TAP Framework Implementation Review Committee (FIRC)	2016-2018
Faculty Senate (senator)	2012-2018
Faculty Senate Committee on Constitution and Bylaws	2017-2018
NEASC Accreditation Review, undergraduate programs subcommittee chair	2016-2018
University Planning and Budget Committee	2017-2018
General Education Revision Implementation Committee	2012-2015

General Education Assessment Steering Committee	2013-present
Graduate School Online Task Force Committee	2013-2015
Faculty Senate Ad Hoc Committee on Online Education	2013
ConnSCU Steering Committee for Transfer Articulation Plan	2012-2013
ConnSCU Biology Pathway Committee for Transfer Articulation Plan	2012-present
Academic Integrity Committee	2010-2012
Chair of Committee (2011-2012)	
University Animal Care and Use Committee	2008-present
NEASC 5 th year interim review committee	2012-2013
Termination Hearing Committee	2016-present
University Promotion and Tenure Committee	2013-2014
Graduate School Online Task Force Committee	2013-2015

Service Activities in the Department of Biology

Chair, Department Planning, Budget, and Assessment Committee	2022-present
Chair, Departmental Evaluation Committee	2020-present
Co-Coordinator, Doctor Nurse Anesthesia Practice (DNAP)	2017-present
Department Promotion and Tenure Committee	2017-present
Co-coordinator: Master of Biological Sciences: Anesthesia Program	2015-present
Oral Comprehensive Exam Committee for Nurse Anesthesia MS students	2007-2019
Lab Coordinator: Bio 122 General Biology II Labs	2011-2022
TAP Biology Pathway Coordinator	2013-present
Departmental Curriculum Committee	2006-present
Department Sabbatical Leave Committee	2007- 2022
Search Committee: Anesthesia DNAP Associate Professor	2018-2019
Search Committee: Anatomy and Physiology Assistant Professor	2017-2018
Search Committee: Anesthesia DNAP Associate Professor	2015-2016
Search Committee for Biology Assistant Professor	2013-2014
Search Committee for Physiologist Assistant Professor	2012-2013
Department Graduate Student Committee	2011-2014
Search Committee for Physiology Assistant Professor	2007-2008
Departmental Planning, Budget and Assessment Committee	2008-2011
Department Technology ad hoc Committee	2008
Student Faculty Committee	2006-2011

Professional Activities

Connecticut Chapter of the Society for Neuroscience (Guidance Council)	2008-present
Society for Neuroscience (Member)	1992-present
New York Academy of Sciences (Member)	1997-present
American Association for the Advancement of Science (member)	1997-present
Peer reviewer for European Journal of Neuroscience	2004-present
Peer reviewer for Journal of Neuropsychopharmacology	2005-present
Peer reviewer for Journal of Neurochemistry	2005-present
Textbook Reviewer for Wiley Publishing	2009
Textbook Reviewer for Pearson Benjamin Cummings	2009

Community Activities

DEEP STEM Outreach Grant (Biology coordinator)	2022-present
Board of Directors, Hope After Loss (Non-Profit organization)	2014-2018
Veterans of Foreign Wars, Seymour, Ct Post	2009-present
Conduct science activities in local Elementary Schools	2007-present
Conduct seminars for public-school children for Partners in Science program	2007-present
Southington Junior High School science fair judge	2007-present

Courses Taught

Bio 598 Research in Biology	2022-present
Bio 736 Evidence-based Practice and Biostatistics (hybrid)	2019-2020
Bio 599 Thesis	2006-present
Bio 590 Focused Study in Advanced Biology (Anesthesia)	2006-2015
Bio 540 Stress Physiology (on-ground and online)	2012-present
Bio 519 Advanced Neuroscience	2007-present
Bio 517 Anatomy, Physiology, and Pathophysiology	2007-2010
Bio 500 Seminar	2007-2009
Bio 491 Advanced Studies in Biology	2009
Bio 490 Neuroscience Methods	2008
Bio 414 Human Disease	2007-present
Bio 391 Internship in Biology	2008-present
Bio 390 Biology Research Experience II	2006-present
Bio 333 Endocrinology	2008-present
Bio 331 Neurobiology	2007-present
Bio 319 Anatomy and Physiology Lab	2010
Bio 290 Biology Research Experience I (on-ground and online)	2012-present
Bio 211 Concepts in Biology Lab	2006
Bio 122 General Biology II Lecture and Lab	2007-present
Bio 113 Laboratory Experience in Biology	2006-present
Bio 111 Introductory Biology	2006-present
Drugs and The Brain (University of Pittsburgh)	2005-2006
Freshman Studies Orientation in Arts and Science (FYE, U. Pittsburgh)	2005-2006
Graduate seminar: Readings in Cognition and Neuroscience (U. Texas Dallas)	1996

External Grants

Inhibitory Control of Prefrontal Cortex (3 rd year renewal). National Institutes for Health. \$30,000	2011-2012
Inhibitory Control of Prefrontal Cortex (renewal). National Institutes for Health. \$30,000	2010-2011
Inhibitory Control of Prefrontal Cortex. National Institutes for Health. \$30,000	2009-2010
Cellular Basis of Cortico-Limbic Interactions. NARSAD, Young Investigator Award \$60,000	2002-2004

NRSA T-34 Training Grant: Neuropharmacology,
Yale University School of Medicine 1999-2001

NRSA T-34 Training Grant: Molecular, Cellular and System Neurobiology,
State University of New York at Stony Brook 1997-1998

CCSU Internal Grants

Next Generation of Student Success, Diversity, Innovation, and Community
Engagement Grant
Title: "DEEP (Discover Enjoy Explore and Practice) STEM (Science
Technology Engineering and Mathematics)": \$35,782 2022-2023

CCSU University Research Grant
Title:" Serotonin Regulation of Resting membrane Potential in
Crayfish Eyestalk": \$5000 2022-2023

AAUP Curriculum Development Grant
Title:" Development of a new lab component to BIO 525 Advanced
Physical Health Assessment for Nurse Anesthetists": \$2400 2022-2023

CCSU University Research Grant
Title: "Characterization of short-term actions of serotonin on the
membrane potential of crayfish photoreceptors": \$5000 2019-2020

AAUP Curriculum Development Grant
Title: "Modification of existing Open Educational Resources for
efficient teaching of graduate-level Advanced Neuroscience course." 2019-2020

CCSU University Research Grant
Title: "Neuroactive Steroid Modulation of Crayfish Neuromuscular
GABAergic Neurons": \$5000 2018-2019

AAUP Curriculum Development Grant
Title: "Development of new Open Educational Resources for teaching
Graduate-level Advanced Neuroscience." 2018-2019

CCSU University Research Grant
Title: "Short-term neurosteroid actions of progesterone in the
crayfish ventral nerve ganglion": \$5000 2017-2018

AAUP Curriculum Development Grant
Title: "Developing case studies for Stress Physiology Course." 2017-2018

CCSU University Research Grant
Title: "Hydrocortisone modulation of GABAergic neurons that
regulate adaptation in the Crayfish MRO proprioceptor": \$4054 2016-2017

AAUP Curriculum Development Grant
Title: "Enhancements to Bio 122 General Biology II;
Developing a narrative of biology": \$1200 2015-2016

CCSU University Research Grant
Title: "Neurosteroid modulation of synaptic plasticity in the

crayfish neuromuscular system”: \$4500	2015-2016
CCSU Student/Faculty Grant (with graduate student Tuong Ngu) Title: Long-term potentiation in lateral giant motor neuron in crayfish in presence of stress hormone \$485	2014-2015
CCSU Student/Faculty Grant (with graduate student Tuong Ngu) Title: Neurophysiological interaction between the stress neurohormones corticosterone and serotonin in the crayfish abdominal ganglion. \$474	2014-2015
AAUP Curriculum Development Grant Title: “Enhancements to online version of Bio 290, Biology Research Methods I”: \$1200	2014-2015
CCSU Faculty Research Grant Title:” Corticosteroid modulation of serotonergic neurons in the crayfish tail-flick reflex circuit”: \$4400	2014-2015
CCSU Faculty Research Grant Title: “Neurosteroid modulation of inhibitory synapses in the Crayfish neuromuscular preparation”: \$5000	2013-2014
AAUP Curriculum Development Grant Title: “Developing case studies for Human Disease Course”: \$1200	2013-2014
CCSU Faculty Research Grant Title: “Mapping Somatosensory Responses in the Garter Snake Brain”: \$4350	2009-2010
CCSU Faculty Research Grant Title: Computational modeling and Neurophysiology of Neural Oscillations”: \$2680	2008-2009
Arts and Sciences Deans Research Initiative Title: Neurophysiology in Reptiles and Rodents	2008
Student/ Faculty Research Grant (with UG student Ellen Force) Title: “Mapping somatosensory responses in the snake brain”: \$500	2007-2008
CCSU Faculty Research Grant Title: “Corticosterone modulation of the rat prefrontal cortex and amygdala” \$5000.	2007-2008

Peer-Reviewed Journal Articles

- Totah, N. K., M. E. Jackson, et al. (2012). "Preparatory Attention Relies on Dynamic Interactions between Prelimbic Cortex and Anterior Cingulate Cortex." *Cereb Cortex*. 23(3):729-738
- Baeg E, Jackson ME, Jedema, H, and Bradberry CW (2009) Orbitofrontal and Anterior Cingulate Cortex Neurons Selectively Process Cocaine-Associated Environmental Cues in the Rhesus Monkey. *Journal of Neuroscience*. 29(37):11619-11627
- Jackson ME and Moghaddam B (2006) Distinct patterns of plasticity in prefrontal cortex neurons that encode slow and fast responses to stress, *European Journal of Neuroscience*, 24:1702-1710.

- Homayoun H, Jackson ME, and Moghaddam B (2005) Activation of metabotropic glutamate 2/3 receptors reverses the effects of NMDA receptor hypofunction on prefrontal cortex unit activity in awake rats. *Journal of Neurophysiology*, 93(4): p. 1989-2001
- Moghaddam B and Jackson ME (2004) Effect of stress on prefrontal cortex function, *Neurotoxicity Research*, 6(1):1-6
- Jackson ME, Homayoun H, and Moghaddam B (2004) NMDA receptor hypofunction produces concomitant firing rate potentiation and burst activity reduction in the prefrontal cortex. *Proceedings of the National Academy of Science*, 101: 8467-8472.
- Jackson, ME and Moghaddam B (2004) Stimulus-specific plasticity of prefrontal cortex dopamine neurotransmission. *Journal of Neurochemistry*, 88:1327-1334.
- Moghaddam B and Jackson ME (2003) Glutamatergic animal models of schizophrenia, *Annals of the New York Academy of Sciences*, 1003:131-137
- Jackson ME, Frost AS, and Moghaddam B (2001) Stimulation of prefrontal cortex at physiologically relevant frequencies inhibits dopamine release in the nucleus accumbens. *Journal of Neurochemistry*, 78:1-5.
- Jackson ME and Moghaddam B (2001) Amygdala regulation of nucleus accumbens dopamine output is governed by the prefrontal cortex. *Journal of Neuroscience*, 21:676-681.
- Gnadt JW, Jackson ME, and Litvak O (2001) Analysis of the frequency response of the saccadic circuit: System behavior. *Journal of Neurophysiology*, 86:724-739.
- Jackson ME, Litvak O, and Gnadt JW (2001) Analysis of the frequency response of the saccadic circuit: Numerical simulations. *Neural Networks*, 14:1357-1376.
- Jackson ME and Gnadt JW (1999) Numerical simulation of nonlinear feedback model of saccade generation circuit implemented in the LabView graphical programming language. *Journal of Neuroscience Methods*, 87:137-145.
- Jackson ME and Cauller LJ (1998) Neural activity in SII modifies sensory evoked potentials in SI in awake rats. *Neuroreport*, 9(15):3379-3382.
- Jackson ME and Cauller LJ (1997) Evaluation of simplified compartmental models of reconstructed neocortical neurons for use in large-scale simulations of biological neural networks. *Brain Research Bulletin*, 44(1):7-17.

Book Chapters

- Jackson ME and Cauller LJ (1999) Towards the function of reciprocal corticocortical connections: computational modeling and electrophysiological studies. In: *Oscillations in Neural Systems* (Levine DS, Brown VR, Shirey eds.), New York: Lawrence Erlbaum Publishers.
- Paul K, Jackson ME, Patterson JM, and Cauller LJ (1998) Presence of a chaotic region between subthreshold oscillations and rhythmic bursting in a simulation of interconnected thalamocortical relay and reticular neurons: dependence of chaos on inhibitory synaptic conductances from reticular neurons. *Computational Neuroscience* (Bower, JM ed.), San Diego, CA: Academic Press.
- Jackson ME and Cauller LJ (1996) Dynamical analysis of spike trains in a simulation of dynamically connected "chaoscillators": Dependence of spike pattern fractal dimension on strength of feedback connections. *Computational Neuroscience* (Bower, JM ed.), San Diego, CA: Academic Press.

Conference Abstracts

- Abbas S, Perez Colon, and Jackson ME (2019) Modulation of Anxiety and Aggression by Blue Light. *CSCU Faculty Research and Creative Activity Conference, Southern Connecticut State University*

- Ngu T, Mangini D, and Jackson, ME (2014) Corticosterone modulation of the crayfish neuromuscular system. *Society for Neuroscience Abstracts*. 44:828.01.
- Jackson, ME (2010) Improved extraction of oscillatory events in nonstationary local field potentials by wavelets. *Society for Neuroscience Abstracts*. 40:616.8
- Totah NKB, Jackson ME, and Moghaddam, B (2010) Local field potential and single-unit activity in the rat medial prefrontal cortex and anterior cingulate cortex during a sustained attention task. *To be presented at the 2nd Biennial Schizophrenia International Research Conference, Florence, Italy, April 2010*.
- Force, E and Jackson, ME (2009) Mapping the Snakeunculus: Somatosensory-Evoked Responses in the Garter Snake Brain. *Society for Neuroscience Abstracts*. 35:83.11
- Force, E and Jackson, ME (2008) Mapping Somatosensory-Evoked Responses in the Garter Snake Brain. *Society for Neuroscience Abstracts*. 34:78.3
- Baeg E, Jackson ME, Jedema, H. and Bradberry CW (2008) Differential representation of the reward value of cocaine cues in orbitofrontal cortex and striatum during cocaine self-administration and extinction. *Society for Neuroscience Abstracts* 34:159.8
- Jackson ME, Homayoun H, and Moghaddam B (2007) Prefrontal cortex and dorsal striatum dynamically interact during instrumental conditioning. *Society for Neuroscience Abstracts* 33:839.6
- Baeg E, Jedema, H., Jackson ME, Liu S, and Bradberry CW (2007) Cellular responses in striatum, orbitofrontal and anterior cingulate cortex during cocaine self-administration in rhesus monkeys. *Society for Neuroscience Abstracts* 33:610.25
- Jackson ME, Homayoun H and Moghaddam B (2006) Dynamic interaction between prefrontal cortex and striatal neurons during appetitive instrumental responding. *Society for Neuroscience Abstracts* 32:264.13
- Baeg E, Liu S, Jackson ME, and Bradberry CW (2006) Single-unit activity during cocaine self-administration in anterior cingulate, orbitofrontal cortex, and associational striatum of the rhesus monkey. *Society for Neuroscience Abstracts* 32:485.4
- Jackson ME and Moghaddam B (2005) Glucocorticoid receptor activation disrupts oscillatory interactions between prefrontal cortex and hippocampus: unit activity and local field potential recordings in awake rats. *Society for Neuroscience Abstracts* 31:
- Jackson ME and Moghaddam B (2004) Plasticity of prefrontal cortex response to stress: Ensemble single-unit recording in awake rats. *Society for Neuroscience Abstracts* 30:781.14
- Jackson ME, Homayoun H and Moghaddam B (2003) NMDA antagonist treatment disrupts temporal patterns of spontaneous spike trains in rat prefrontal cortex. *Society for Neuroscience Abstracts* 29:940.14.
- Mubbashar S., Jackson ME, and Moghaddam B (2003) Effects of sustained mild activation of the amygdala on prefrontal cortical regulation of accumbal dopamine release. *Society for Neuroscience Abstracts* 29:722.19.
- Homayoun H, Jackson ME and Moghaddam B (2003) NMDA receptor antagonist MK801 produces cortical hyperactivity in awake rats. *Presented at the New York Academy of Sciences Conference on Glutamate and Disorders of Cognition and Motivation, New Haven, CT, April 2003*.
- Homayoun H, Jackson ME, and Moghaddam B (2002) Effect of systemic administration of NMDA receptor antagonist MK801 on neuronal firing in the prefrontal cortex of awake rats. *Society for Neuroscience Abstracts* 28:291.6
- Jackson ME and Moghaddam B (2001) Effects of sequential basolateral amygdala stimulation and restraint stress on dopamine release in the prefrontal cortex and nucleus accumbens of the freely moving rat. *Society for Neuroscience Abstracts* 27:177.17
- Cauler LJ, Jackson ME (2001) Widespread cortical inactivity during somatosensory activation in behaving rats. *Society for Neuroscience Abstracts* 27:49.18

- Jackson ME, Moghaddam B (2000) Amygdala regulation of nucleus accumbens dopamine output is governed by the prefrontal cortex. *Society for Neuroscience Abstracts* 26:764.9
- Jackson ME, Gnadt JW (1998) Testing assumptions of the interrupted saccade paradigm: reset of the neural integrator. *Society for Neuroscience Abstracts* 24:163.14
- Gnadt JW, Jackson ME (1998) Colliding saccades for the step and frequency responses in the monkey: interference patterns. *Society for Neuroscience Abstracts* 24:163.13
- Jackson ME, Gnadt JW (1998) Frequency response of the saccade generation circuit in primates: resonant frequency. *Presented at the Neural Control of Movement 8th annual meeting, Key West, Fla., April 1998.*
- Patterson JM, Jackson ME, Paul K, Cauller LJ (1997) Simulations of coupled neural chaoscillators within anatomically realistic thalamo-cortical and corticocortical reentrant networks encompassing dynamics on multiple time scales: the role of physiologically asymmetric connectivity. *Society for Neuroscience Abstracts* 23:399.2.
- Patterson JM, Jackson ME, Paul K, Cauller LJ (1997) Analysis of coupled chaoscillators embedded within thalamo-cortical and cortico-cortical reentrant loops encompassing dynamics on multiple time scales. *Presented at Computational Neuroscience Meeting, Big Sky, Montana, July 1997.*
- Jackson ME, Cauller LJ (1996) Modulation of temporal dynamics of spontaneous and evoked unit activity in rat SI by pharmacological activation of homotopic SII. *Society for Neuroscience Abstracts* 22:538.13.
- Jackson ME, Cauller LJ (1995) Non-linear dynamics of neocortical spontaneous field potentials during anesthetized and awake states in chronically implanted rats. *Society for Neuroscience Abstracts* 21:57.10.
- Jackson ME, Cauller LJ (1994) Anesthesia-sensitive components of the SI neocortical response to forepaw stimulation in chronically implanted rats. *Society for Neuroscience Abstracts* 20:57.10.
- Patterson J, Jackson ME and Cauller LJ (1994) Analysis of "funny" behavior in simulation of inhibitory/excitatory reciprocal connections between simplified computational models of reconstructed neocortical neurons. *Presented at Dynamical Neuroscience Workshop. Boca Raton, FL.*
- Jackson ME, Cauller LJ (1993) Simplified computational models of neocortical neurons for use in anatomically realistic network simulations of interareal cortical oscillations. *Society for Neuroscience Abstracts* 19:44.7.

Selected Invited Presentations

CSCU OER Summit "The Advantage of Using OER in Advanced Biology Courses"	Oct 2020
Center for Teaching and Faculty Development panel discussion on "What Open Educational Resources Mean for You and Your Students' Success"	Feb 2020
Central Connecticut State University Neuroscience Club Title: "Graduate Careers in Neuroscience"	Apr 2014
Western Connecticut State University Title: Schizophrenia, Brain Oscillations, and inhibition (or lack thereof)	Feb 2011
Connecticut State University Faculty Research Conference Title: Oscillatory phase-locking between the local field potential and single unit activity in the rat medial prefrontal cortex during a sustained attention task	Apr 2010
Central Connecticut State University, Biology Department Seminar Series Title: Schizophrenia, Brain Oscillations, and Inhibition (or lack thereof)	Apr 2010

Central Connecticut State University, Biology Department Seminar Series Title: Stress and the Brain	Nov 2006
Central Connecticut State University, Biology Department Seminar Series Title: Stress and the Prefrontal Cortex	May 2006
Center for the Neural Basis of Cognition Retreat, Greensburg, PA. Title: Stress and the Prefrontal Cortex.	June 2006
Synaptic Pharmaceuticals, Paramus, NJ. Title: Cortico-Limbic Interactions During Stress.	Apr 2004
University of Pittsburgh. Title: Cortico-Limbic Interactions During Stress.	Apr 2003
Yale University Medical School. Title: Prefrontal Cortex Regulation of Nucleus Accumbens Function.	Oct 2001
University of Texas Health Science Center at San Antonio. Title: Reverse Engineering of the Primate Saccadic Circuit. .	May 1999
University of Connecticut Health Science Center. Title: Reverse Engineering of the Primate Saccadic Circuit.	Apr 1999.
State University of New York at Stony Brook. Title: Dynamics of Cortical Connections.	May 1997
University of Texas at Arlington, The Metroplex Institute for Neural Dynamics Title: Dynamics of Cortical Connections.	Apr 1996
University of Texas at Dallas. Title: Chaotic Dynamics in the Study of the Brain.	Dec 1995
University of Texas at Dallas. Metroplex Institute for Neural Dynamics Title: Simplification of Computational Neuron Models for use in Biologically Realistic Neural Networks.	Dec1994

Workshops Attended and Specialized Training

PULSE (Partnership for Undergraduate Life Sciences Education) Northeast Regional Workshop on Program Assessment	May 2021
Quality Matters “Using Instructional Materials and Technology to Promote Learner Engagement”	Aug 2020
CSCU OER Summit, Manchester CC	Mar 2019
Invertebrate Electrophysiology, Ithaca NY	Jan 2014
AAC&U Institute on General Education and Assessment , Burlington, VT	June 2013
AAC&U Network for Academic Renewal Conference, Boston, MA	Feb 2013
CCSU Student Learning Colloquium: Writing Across the Curriculum	May 2011
Diversity-Designation Workshop, CCSU	Oct 2010
CCSU Student Learning Colloquium: Hybrid Course Designs	May 2010
Society for Neuroscience Short Course: Rhythms of Neocortex, Chicago, IL.	Oct 2009
Teaching Neuroscience Workshop, Society for Neuroscience, Chicago, IL.	Oct 2009

CCSU Student Learning Colloquium: Teaching with Technology	Dec 2008
Teaching Neuroscience Workshop, Society for Neuroscience, Washington D.C.	Nov 2008
Teaching Neuroscience Workshop, Society for Neuroscience, Washington D.C.	Nov 2005
Teaching Workshop: Designing Learning Centered Syllabus	Nov 2005
Teaching Workshop: Making Learning Active for You and Your Students	Oct 2005
Teaching Workshop: Developing a Course, University of Pittsburgh	Sep 2005
Teaching Workshop: Teaching for Creative Thinking, University of Pittsburgh	May 2005
Teaching Workshop: Teaching with Web-Based Electronic Blackboard. University of Pittsburgh	Apr 2005
Grants 101: Professional Grant Proposal Writing Workshop, Carnegie Mellon University	Mar 2005
Statistical Analysis of Neuronal Data Workshop, Pittsburgh Super Computer Center. Pittsburgh, PA.	May 2004
New York Academy of Sciences Conference on Glutamate and Disorders of Cognition and Motivation, New Haven, CT.	Apr 2003.
New York Academy of Sciences Conference on The Self, New York, NY.	Sep 2002.
Dynamical Neuroscience Workshop. Orlando, FL.	Nov 2002.
Marine Biological Laboratory, Rapid Electrochemical Measurements in Biological Systems, Woods Hole, MA.	May 2000.
Society for the Neural Control of Movement Meeting. Key West, FL.	Apr 1998.
Dynamical Neuroscience Workshop. Washington, D.C.	Nov 1996.
Fourth Annual Computational Neuroscience Meeting Monterey, California.	Jul 1995.
Metroplex Institute for Neural Dynamics Workshop on Cortical Oscillations.	May 1994.
Dynamical Neuroscience Workshop. Boca Raton, FL.	Nov 1994.