Curriculum Vitae

Peter J. West, PhD

Research Assistant Professor
Department of Pharmacology and Toxicology
Interdepartmental Program in Neuroscience
Anticonvulsant Drug Development Program
University of Utah
30 South 2000 East RM 206
Salt Lake City, Utah 84112-5820

Phone: 801-587-9530
Fax: 801-581-4049
Email: peter.west@utah.edu

Education

2003-2007	University of Utah, Salt Lake City, UT: Postdoctoral (*Pharmacology and Toxicology*)
1997-2003	University of Utah, Salt Lake City, UT: PhD (*Neuroscience*)
1993-1997	Lehigh University, Bethlehem, PA: BS (*Biochemistry*)

Personal Statement

My laboratory is interested in the pharmacological treatment of diseases that affect cognition. This research is conducted both independently and in collaboration with the Anticonvulsant Drug Development (ADD) Program (Principal Investigator, Karen Wilcox, Ph.D) where I direct studies determining the cognitive side-effect profiles of proprietary investigational compounds through a contract with NINDS at the National Institutes of Health. My independently funded research is focused on the discovery and development of novel treatments for cognitive dysfunction in Epilepsy, Alzheimer's disease, and Down syndrome that do not exacerbate seizures or seizure-like activity. To achieve these goals, I currently use electrophysiological, pharmacological, immunohistochemical, and behavioral techniques. Of particular note, my laboratory uses specialized equipment which allows the experimenter to perform simultaneous recordings from multiple brain slices, thus allowing for the high-throughput screening of compounds for their effects on pharmacoresistant seizure-like bursts or synaptic plasticity.

Professional Experience

2012-present *Research Assistant Professor*. Interdepartmental Neuroscience Program, University of Utah, Salt Lake City, UT.

2011-present *Research Assistant Professor*. Department of Pharmacology and Toxicology, University of Utah, Salt Lake City, UT.

2010-present *Senior Research Scientist*: Mechanism of Action of Novel Anticonvulsants. Supervisor: Steve White, PhD. Anticonvulsant Drug Development Program, University of Utah, Salt Lake City, UT.

2007-2010 *Research Scientist I*: *In vitro* electrophysiology. Supervisor: Michael Marino, PhD. CNS Biology, Cephalon Inc., West Chester, PA.

2003-2007 *Postdoctoral Fellow*: Mediation and modulation of synaptic transmission by kainate receptors of the medial entorhinal cortex. Advisor: Karen S. Wilcox, PhD. Department of Pharmacology and Toxicology, University of Utah, Salt Lake City, UT.

1997-2003 *Graduate Research Student*: Delta- and mu-Conotoxins - Peptides from cone snail venoms that selectively affect tetrodotoxin-sensitive and tetrodotoxin-resistant voltage-gated sodium channels. Advisors: Baldomero M. Olivera, PhD, & Doju Yoshikami, PhD. Neuroscience Program, University of Utah, Salt Lake City, UT.

1996-1997 *Undergraduate Research Student*: Analysis of heparin's effects on chondroitin sulfate and heparan sulfate proteoglycan expression in the vascular system. Advisor: Linda Lowe-Krentz, PhD. Department of Biochemistry, Lehigh University, Bethlehem, PA.

1994 *Research Technician*: Synthesis and purification of polysaccharide-protein conjugate vaccines. Connaught Laboratories Inc., Swiftwater, PA.

Research Support (funded)

2017-2018 *HOPE for Hypothalamic Hamartoma Research Grant*. **Role: PI**. Title: Generation of a novel rat model of hypothalamic hamartomas. Grant Amount: $20,000

2016-2021 HHSN271201600048C. **Role: Co-Investigator** (K.S. Wilcox, PI) NINDS, NIH: Title: "Screening of Investigational Compounds to Treat, Modify or Prevent Epilepsy for the NINDS Epilepsy Therapy Screening Program" This contract supports the conduct of preclinical pharmacological evaluations of potential therapeutic agents (typically small molecules but will also include some biologics) and referred to as ETSP investigational compounds for the treatment of epilepsy and related disorders. This contract requires the Contractor to conduct studies including, but not limited to, the following performance areas: 1) pharmacoresistant epilepsy; 2) models of special epilepsy populations and genetic models; and 3) disease modification and anti-epileptogenesis. Contract amount: $19,415,476 if all term options exercised (Base Period contract amount $3,673,220)

2015-2016 *Center on Aging Pilot Grant Program*, University of Utah. **Role: PI**. Title: 5-HT6 localization and function: a prototype target for cognitive therapies. Grant amount: $20,000

2012-2013 *Research Grants Program*, Epilepsy Foundation. **Role: PI**. Title: 5-HT6 mediated modulation of LTP and interneuron excitability in hAPP mice. Grant amount: $50,000

2011-2016 HHSN271201100029C. **Role: Co-Investigator** (H.S. White, PI) NINDS, NIH: Title: "Identification and Characterization of Novel Therapeutics for the Treatment and Prevention of Epilepsy and Neuroprotectants as Counter Measures (CM) to Chemical Threats" The purpose of the work is to define the anticonvulsant properties of investigational antiepileptic drugs using in vitro and in vivo models of epilepsy.

2005-2006 *Post-Doctoral Research Fellowship*. Epilepsy Foundation through the generous support of the American Epilepsy Society and the Milken Family Foundation. **Role: PI**. Title:

Mediation and modulation of synaptic transmission by kainate receptors of the medial entorhinal cortex.

Teaching Support (funded)

2013 *Teaching Grants Program*. **Role: PI**. CNS Electrophysiology Equipment for Neuroscience "Boot Camp". University of Utah.

Research Contracts

2015 Johnson & Johnson Pharmaceutical Research / Janssen Pharmaceutical N.V. **Role: PI**.
2013 Johnson & Johnson Pharmaceutical Research / Janssen Pharmaceutical N.V. **Role: PI**.

Publications

Peter J. West, Gerald W. Saunders, Peggy Billingsley, Misty D. Smith, Melissa L. Barker-Haliski, Cameron S. Metcalf, H. Steve White, Karen S. Wilcox. Spontaneous Electrographic Bursting in the Medial Entorhinal Cortex of Kainate-Lesioned Rats is Refractory to Multiple Classes of Anti-Seizure Drugs. *In Preparation*.

Raunak Basu, Xin Duan, Shruti Muralidhar, Matthew R. Taylor, E. Anne Martin, Yueqi Wang, Luke Gangi-Wellman, Masahito Yamagata, **Peter J. West**, Joshua R. Sanes, and Megan E. Williams. Non-canonical, heterophilic cadherin interactions regulate layer-specific synaptic potentiation in the hippocampus. *Neuron*. *Under Review*.

Naveen Nagarajan, Jeffrey S. Anderson, Bryan W. Jones, **Peter J. West**, Clement Vachet, Allred McKay, Osama Abdullah, Lane F Smith, Julian Lipio, Shotaro Matsuoka, Guido Gerig, Robert Marc, and Mario R. Capecchi. Cortico-striatal connectivity is defective in *Hoxb8* mutant mice. *Nature Neuroscience*. *Under Review*.

Gregory J. Remigio, Jaycie L. Loewen, Sage Heuston, Colin Helgeson, H. Steve White, Karen S. Wilcox, **Peter J. West**. Corneal kindled C57BL/6 mice exhibit saturated dentate gyrus long-term potentiation and associated memory deficits in the absence of overt neuron loss. *Neurobiology of Disease*. 105**,** 221–234 (2017). PMID: 28624414

Cameron S. Metcalf, **Peter J. West**, Kyle Thomson, Sharon Edwards, Misty D. Smith, Karen S. Wilcox. Development and Pharmacological Characterization of the Rat 6 Hz Model of Partial Seizures. *Epilepsia* 58**,** 1073–1084 (2017). PMID: 28449218

Melissa L. Barker-Haliski, Kristina Johnson, Peggy Billingsley, Jennifer Huff, Laura J. Handy, Rizvana Khaleel, Zhenmei Lu, Matthew J. Mau, Timothy H. Pruess, Carlos Rueda, Gerald Saunders, Tristan K. Underwood, Fabiola Vanegas, Misty D. Smith, **Peter J. West**, and Karen S. Wilcox. Validation of a Preclinical Drug Screening Platform for Pharmacoresistant Epilepsy. *Neurochem Res* **161,** 695 (2017). PMID: 28303498

Dipan C. Patel, Glenna Wallis, E. Jill Dahle, Pallavi B. McElroy, Kyle E. Thomson, Raymond J. Tesi, David E. Szymkowski, **Peter J. West**, Roy M. Smeal, Manisha Patel, Robert S. Fujinami, H. Steve White, and Karen S. Wilcox. Hippocampal TNFα Signaling Contributes to Seizure Generation in an Infection-Induced Mouse Model of Limbic Epilepsy. *eNeuro* **4,** (2017). PMID: 28497109

Dan Kaufmann, **Peter J. West**, Misty D. Smith, Boris Yagen, Meir Bialer, Marshall Devor, H. Steve White, K.C. Brennan. *sec*-Butylpropylacetamide (SPD), a new amide derivative of valproic acid for the treatment of neuropathic and inflammatory pain. Pharmacol Res 117, 129-139 (2016). PMID: 27890817

Anne B. Walls, Sean P. Flynn, **Peter J. West**, Margit S. Müller, Lasse K. Bak, Grzegorz Bulaj, Arne Schousboe, H. Steve White. The anticonvulsant action of the galanin receptor agonist NAX-5055 involves modulation of both excitatory- and inhibitory neurotransmission. *Epilepsy* Res 121**,** 55–63 (2016). PMID: 26894875

J Michael Gee, Michael N Economo, Markus Rothermel, Daniela Brunert, Nathan A Smith, Fernando Fernandez, S Craig Morris, Amy Talbot, Sierra Palumbos, Jennifer Ichida, Jason Shepherd, **Peter J. West**, Matt Wachowiak, Mario R Capecchi, Karen S Wilcox, John A White, Petr Tvrdik. A new versatile Cre-dependent GCaMP5 reporter mouse. *Neuron*. 83(5): 1058-72 (2014). PMCID: PMC4156920

West, PJ, Saunders, GW, Remigio, GJ, Wilcox, KS & White, HS. Antiseizure drugs differentially modulate theta-burst induced long-term potentiation in C57BL/6 mice. *Epilepsia* 55**,** 214–223 (2014). PMCID: PMC3945279

Umpierre AD, Remigio GJ, Dahle EJ, Bradford K, Alex AB, Smith MD, **West PJ**, White HS, Wilcox KS.Impaired cognitive ability and anxiety-like behavior following acute seizures in the Theiler's virus model of temporal lobe epilepsy. *Neurobiology of Disease* 64C**,** 98–106 (2014). PMCID: PMC4353639

West PJ, Marcy VR, Marino MJ, Schaffhauser H. Activation of the 5-HT6 Receptor Attenuates Long-Term Potentiation and Facilitates GABAergic Neurotransmission in Rat Hippocampus. Neuroscience 2009 164: 692-701. PMID: 19660530

West PJ, Dalpé-Charron A, Wilcox KS. Differential Contribution of Kainate Receptors to EPSCs in Superficial Layer Neurons of the Rat Medial Entorhinal Cortex. Neuroscience 2007 May: 146(3):1000-12. PMID: 17395391

West PJ, Bulaj G, Olivera BM, Yoshikami D. Effects of delta-conotoxins PVIA and SVIE on sodium channels in the amphibian sympathetic nervous system. Journal of Neurophysiology. 2005 Dec;94(6):3916-24. PMID: 16107523

Bulaj G*, **West PJ***, Garrett JE, Marsh M, Zhang M, Norton RS, Smith BJ, Yoshikami D, Olivera BM. Novel conotoxins from Conus striatus and Conus kinoshitai selectively block TTX-resistant sodium channels. Biochemistry. 2005 May 17;44(19):7259-65 **[*]: Authors contributed equally to this work**. PMID: 15882064

Keizer DW, **West PJ**, Lee EF, Yoshikami D, Olivera BM, Bulaj G, Norton RS. Structural basis for tetrodotoxin-resistant sodium channel binding by μ-conotoxin SmIIIA. Journal of Biological Chemistry. 2003 Nov 21;278(47):46805-13. PMID: 12970353

West PJ, Bulaj G, Garrett JE, Olivera BM, Yoshikami D. μ-Conotoxin SmIIIA, a potent inhibitor of tetrodotoxin-resistant sodium channels in amphibian sympathetic and sensory neurons. Biochemistry. 2002 Dec 24;41(51):15388-93. PMID: 12484778

Bulaj G, DeLaCruz R, Azimi-Zonooz A, **West P**, Watkins M, Yoshikami D, Olivera BM. delta-Conotoxin structure/function through a cladistic analysis. Biochemistry. 2001 Nov 6;40(44):13201-8. PMID: 11683628

Craig AG, Zafaralla G, Cruz LJ, Santos AD, Hillyard DR, Dykert J, Rivier JE, Gray WR, Imperial J, DelaCruz RG, Sporning A, Terlau H, **West PJ**, Yoshikami D, Olivera BM. An O-glycosylated neuroexcitatory conus peptide. Biochemistry. 1998 Nov 17;37(46):16019-25. PMID: 9819194

Book Chapters

Wilcox KS, **West PJ**, Dichter MA. Chapter 22: Excitatory Synaptic Transmission. In Epilepsy: A Comprehensive Textbook, Second Edition. Engel J, Pedley TA, Aicardi J, Dichter MA, Moshé SL, ed. Lippincott Williams & Wilkins, 2007, Volume 1, pp. 233-244

Speaking Invitations

2017 **West PJ**. The 5-HT_6 receptor: a next-generation drug target for the treatment of cognitive dysfunction. Division of Geriatrics and the VASLC GRECC Geriatrics Research Update Conference. University of Utah. Salt Lake City, UT. February 14, 2017. Room: HSEB 2120

2015 **West PJ**. Implementation of novel models to address the unmet medical needs in epilepsy treatment**.** Experimental Biology 2015: ASPET annual meeting. Boston, MA. Monday, March 30, 2015

2014 **West PJ**. Do Antiseizure Drugs Affect Learning and Memory? Epilepsy Alliance of Utah Education Conference. Jon and Karen Huntsman Education Center - LDS Hospital - SLC, UT. Saturday, October 11, 2014

2010 **West PJ**. LTP and the Pharmacology of Cognition. Department of Pharmacology and Toxicology Seminar Series. University of Utah, Salt Lake City, UT. Monday, August 30, 2010.

2009 **West PJ**. Conotoxin Modulation of Voltage-Gated Sodium Channels. Biology Department Seminar Series. Utah State University, Logan, UT. Tuesday, October 27, 2009.

2007 **West PJ**. From Snails to Seizures: The Electrophysiology of Natural Products and Injury Prone Neurons. Cephalon, Inc., West Chester, PA. January 5, 2007.

2006 **West PJ**. Cone Snail Venom Peptides: 50 Million Years of Neuropharmacology. Department of Biology Seminar Series. Dickinson College, Carlisle, PA. Monday, November 20, 2006

2006 **West PJ**. Kainate receptors of the rat medial entorhinal cortex. Special Interest Group: The Varied Roles of Kainate Receptors in Epilepsy. American Epilepsy Society Meeting: San Diego, CA, 2006.

2005 **West PJ**. Whole-cell voltage clamp techniques in drug discovery and physiological characterizations. Molecular Devices Corporation, Sunnyvale, CA. April 8, 2005.

Abstracts & Posters

P. West, G. Saunders, P. Billingsley, M. Smith, C. Metcalf, H. White, K. Wilcox. Spontaneous Electrographic Bursting in the Medial Entorhinal Cortex of Kainate-Lesioned Rats Is Refractory to Multiple Classes of Anti-Seizure Drugs. American Epilepsy Society Meeting: Houston, TX, 2016.

K. Thomson, **P. West**, T. Newell, C. Metcalf, K. Wilcox. Rapid Screening for Antiseizure Therapies Utilizing Repeated Dosing in Chronically Epileptic Rats. American Epilepsy Society Meeting: Houston, TX, 2016.

G. Remigio, J. Loewen, S. Heuston, C. Helgeson, K. Wilcox, **P. West**. Corneal Kindled Mice Exhibit DG-Dependent Memory Deficits and Hyperexcitability in the Absence of Overt Hippocampal Neuron Loss. American Epilepsy Society Meeting: Houston, TX, 2016.

C. Metcalf, **P. West**, C. Rueda, K. Thomson, Z. Lu, M. Smith, K. Wilcox. Development and Pharmacologic Characterization of the Rat 6 Hz Model. American Epilepsy Society Meeting: Houston, TX, 2016.

Remigio GJ**, West PJ**. 5-HT6 receptor ligands modulate seizure thresholds and inhibitory synaptic transmission in the dentate gyrus. Center on Aging: 10th Annual Retreat, Salt Lake City, UT. April 14, 2016. ***Best Student Poster in Biological Sciences.***

Remigio GJ**, West PJ**. 5-HT6 receptor ligands modulate seizure thresholds and inhibitory synaptic transmission in the dentate gyrus. Snowbird Symposium. Salt Lake City, UT. October 30, 2015. ***2nd Place Award: SfN Intermountain Chapter Poster Session.***

Remigio GJ and **West PJ**. 5-HT6 receptor effects on memory, seizures, and synaptic transmission. 670.10: Society for Neuroscience Meeting: Chicago, IL. 2015.

Remigio GJ**,** Saunders GW, **West PJ**. 5-HT6 receptors modulate inhibitory synaptic transmission in the dentate gyrus. Alzheimer's Drug Discovery Foundation – Drug Discovery for Neurodegeneration Conference. February 2-4, 2014.

Remigio GJ**,** Saunders GW, **West PJ**. 5-HT6 receptors modulate inhibitory synaptic transmission in the dentate gyrus. Snowbird Symposium. Salt Lake City, Utah. October 24, 2014.

Remigio GJ**,** Saunders GW, **West PJ**. 5-HT6 receptors effects on memory, seizures and synaptic transmission. American Epilepsy Society, Seattle, WA. December 5-10, 2014.

West PJ. 5-HT6 receptor antagonists differentially affect GABAergic synaptic transmission in a mouse model of familial Alzheimer's disease with comorbid seizures. 3.030: American Epilepsy Society Meeting: Washington, DC, 2013.

Umpierre AD, Remigio GJ, Dahle EJ, Smith MD, Alex A, **West PJ**, White HS, Wilcox KS. Impaired cognitive function in a mouse model of viral-induced epilepsy. Society for Neuroscience, San Diego, CA. November 9-13, 2013.

Korenberg JR, **West PJ**, Wilcox KS, Smith GK, Kesner RP. Paradigm Shift for the treatment of cognitive deficits in Down syndrome: A novel drug treatment rescues hippocampal deficits in the Ts65Dn mouse. 63rd Annual Meeting of The American Society of Human Genetics: Boston, MA. 2013.

West PJ, Saunders GW, Remigio GJ, White HS. Antiseizure drugs differentially modulate theta-burst induced long-term potentiation in C57BL/6 mice. 3.102: American Epilepsy Society Meeting: San Diego, CA, 2012.

West PJ, O'Kane TM, Marcy VR, Schaffhauser H, Marino MJ. Potentiation of NMDA EPSCs by glycine transporter antagonists is temperature dependent. 632.8: Society for Neuroscience Meeting: Washington, DC, 2008.

West PJ, Wilcox KS. Comparison of kainate receptor-mediated EPSCs in superficial layer neurons of the rat medial entorhinal cortex. 2.111: American Epilepsy Society Meeting: Washington, DC, 2005.

West PJ, Wilcox KS. Characterization of kainate receptor mediated EPSCs in layer II and layer III neurons of the rat medial entorhinal cortex. 732.4: Society for Neuroscience Meeting: San Diego, CA, 2004.

Dalpé-Charron A, **West PJ**, Wilcox KS. Short term plasticity of evoked EPSCs in layer II and layer III neurons of the rat medial entorhinal cortex. 276.5: Society for Neuroscience Meeting: San Diego, CA, 2004.

West PJ, Bulaj G., Olivera BM, Yoshikami D. New μ-conopeptides that preferentially inhibit TTX-resistant sodium channels in neurons of frog sympathetic and dorsal root ganglia. 835.1: Society for Neuroscience Meeting: Orlando, FL, 2002.

West PJ, Olivera BM, Yoshikami D. δ-Conotoxin-PVIA affects voltage-dependent characteristics of sodium channels in frog sympathetic neurons. 150.2: Society for Neuroscience Meeting: San Diego, CA, 2001.

West PJ, Abbaszadeh SD, Olivera BM, Yoshikami D. Myelinated and Non-Myelinated Fibers in Autonomic and Sensory Systems of Frog are Differentially Affected by Toxins Targeting Sodium Channels. 713.9: Society for Neuroscience Meeting: New Orleans, LA, 2000.

West PJ, Olivera BM, Yoshikami D. κA-Conotoxin-SIVA Selectively Affects B Neurons in Frog Sympathetic Ganglia. 788.4: Society for Neuroscience Meeting: Miami Beach, FL, 1999.

Teaching Experience

2017 - present	*Instructor*. Integrated Pharmacotherapeutics II (University of Utah, PHARM 6253)
2016 - present	*Instructor*. Cellular and Molecular Neuroscience (University of Utah, NEUSC 6040)
2015 - present	*Instructor*. Neuroanatomy (University of Utah, NEUSC 6060)
2015 - present	*Instructor*. Common Medicines (University of Utah, PHTX 2700)
2014 - present	*Instructor*: Pharmacology I (University of Utah: PHTX 5211)
2013 - present	*Course Master*: Cellular and Molecular Neurophysiology Laboratory (University of Utah: NEUSC 6245)
2012	*Instructor*: Fundamentals of Pharmaceutical Sciences (University of Utah: PHTX 7113)
2011 - 2012	*Instructor*: Methods in Pharmacology (University of Utah: PHTX 6600)
2012 - 2013	*Guest lecturer*: Frontiers in Neuroscience (University of Utah: NEUSC 6010)
2004 - 2012	*Instructor*: Cellular and Molecular Neurophysiology Laboratory (University of Utah: NEUSC 6245)
2004 - 2012	*Instructor*: Biochemical Basis of Neuropharmacology (University of Utah: PHTX 7270)
2001	*Teaching Assistant*: Frontiers in Neuroscience (University of Utah: NEUSC 6010)

1999 - 2000 *Individual Lectures, Teaching Assistant*: Cellular and Molecular Neurophysiology Laboratory (University of Utah: NEUSC 6245)

1999 - 2000 *Teaching Assistant*: Cellular Neurobiology Laboratory (University of Utah: BIOL 3245)

Ph.D. Supervisor

2012 - 2017: Greg Remigio, Neuroscience Program Graduate Student

Teaching and Supervision

2017-present	Supervisor:	Tim Pruess, Research Technician, ADD Lab, University of Utah
2017-present	Supervisor:	Carlos Rueda, Research Technician, ADD Lab, University of Utah
2017	Supervisor:	Lacey Woods, Summer Program Undergraduate Research (SPUR)
2017	Supervisor:	William Zimmermann, Volunteer High-School Summer Student
2017	Supervisor:	Catherine Dowd, Volunteer High-School Summer Student
2017	Supervisor:	Jenifer Einstein, Neuroscience Program Rotation Graduate Student
2017	Supervisor:	Laura Ann Bell, Neuroscience Program Rotation Graduate Student
2016-2017	Supervisor:	Rori Phibbs, Volunteer High-School Summer Student
2015	Supervisor:	Sage Heuston, Volunteer High-School Summer Student
2015	Supervisor:	Colin Helgeson, Volunteer High-School Summer Student
2014-present	Supervisor:	Peggy Billingsley, Research Technician, ADD Lab, University of Utah
2014	Supervisor:	Evie Greta Allport, Volunteer High-School Summer Student
2014	Supervisor:	Rachel Sweeney (University of Pennsylvania), UofU SURF program
2013	Supervisor:	Genevieve Smith, Neuroscience Program Rotation Graduate Student
2013	Supervisor:	Anthony Iuso, Neuroscience Program Rotation Graduate Student
2013	Supervisor:	Rishi Alluri, Neuroscience Program Rotation Graduate Student
2012-present	Supervisor:	Greg Remigio, Neuroscience Program Graduate Student
2010-present	Supervisor:	Jerry Saunders, Research Technician, ADD Lab, University of Utah
2009	Supervisor:	Christopher P. Palmer (Ithaca College), Summer Intern, Cephalon Inc.
2008-2009	Supervisor:	Val R. Marcy, Research Scientist I, Cephalon Inc.
2007	Supervisor:	Christine Roden (University of Pittsburgh), Summer Intern, Cephalon Inc.
2006	Supervisor:	Molly DuBray, Neuroscience Program Rotation Graduate Student
2005-2007	Co-Supervisor:	Alex Dalpé-Charron, Research Technician, Wilcox Lab
2005-2007	Writing Editor:	Graduate Students, White and Wilcox Labs
2004	Tutor:	Graduate Students, Systems Neuroscience (UofU: NEUSC 6050)

Thesis Committees

2017	Travis Philyaw, MB/BC Program (Qualifying Exam Committee)
2016	Glenna Wallis, MB.BC Program (Qualifying Exam Committee)
2015 - present:	Heidi Yi Febinger, Neuroscience Program
2015	Patrick Parker, Neuroscience Program (Qualifying Exam Committee)
2015	Kyle Jenks, Neuroscience Program (Qualifying Exam Committee)
2014 - 2015:	Kayla Chandler, Neuroscience Program
2014 - present:	Pablo Maldonado-Catala, Neuroscience Program
2013 - 2016:	Anthony Iuso, Neuroscience Program
2013 - present:	Rishi Alluri, Neuroscience Program
2013	Meredith Gibbins, Neuroscience Program (Qualifying Exam Committee)
2012 - 2017:	Greg Remigio, Neuroscience Program

Peer Reviewer for Journals

Epilepsia
Epilepsy Research
Journal of Neurophysiology
Metabolic Brain Disease
Neurochemical Research
Neurotherapeutics
PLOS one
The Lancet Neurobiology

Peer Reviewer for Funding Agencies

Alzheimer's Association
CURE

Honors & Awards

2015	Co-Chair, *New Therapies for an Old Problem:* The NINDS-Sponsored Anticonvulsant Screening Program Symposium. ASPET 2015 annual meeting, Boston, MA
1997	Harry M. Ullmann Chemistry Prize (highest GPA senior in Chemistry), Lehigh University
1997	American Chemical Society Award (outstanding senior in Chemistry), Lehigh University
1997	Departmental Honors in Biological Sciences, Lehigh University
1997	Graduated with Highest Honors, Lehigh University
1996	Junior Prize in Arts and Sciences (highest GPA in the junior class), Lehigh University
1996	William H. Chandler Prize (highest GPA junior in Chemistry), Lehigh University
1995	Alpha Epsilon Delta, Lehigh University
1994	The Gilmore Pre-Medical Scholarship, Lehigh University
1994	The Class of 1952 Memorial Scholarship, Lehigh University
1994	Phi Eta Sigma, Lehigh University

Programs and Committees, University of Utah

2015-2017	Social Media Task Force: Department of Pharmacology and Toxicology
2001-2002	Student Representative: Neuroscience Program Directorate
2000-2001	Student Representative: Neuroscience Program Curriculum Committee

Volunteer Experience

2013 – present: Open Classroom, SLC UT: Neuroscience Mini-courses

1999-2002: Utah Brain Awareness Week
2000-2001: Chairperson
2002: Co-Chairperson

Scientific Society Memberships

2014-present	American Society for Pharmacology and Experimental Therapeutics (ASPET)
2003-present	American Epilepsy Society (AES)
1998-present	Society for Neuroscience (SFN)

References

Michael J. Marino, Ph.D.
Principal Scientist
Merck & Co., Inc.
Phone: 215-652-0852
Email: michael_marino@merck.com

Mary Theresa Lucero, Ph.D.
Professor
Department of Neuroscience and Physiology
American University of the Caribbean
Phone: +721 545-2298 ext. 4041223
Email: mlucero@aucmed.edu

Karen S. Wilcox, Ph.D.
Professor and Chair
Department of Pharmacology & Toxicology
Laboratory of Glial/Neuronal Interactions in Epilepsy
University of Utah
Phone: 801-581-4081
Email: karen.wilcox@hsc.utah.edu

H. Steve White, Ph.D.
Professor and Director
Anticonvulsant Drug Development Program
University of Utah
Phone: 801-581-6447
Email: steve.white@hsc.utah.edu

Doju Yoshikami, Ph.D.
Emeritus Faculty
Department of Biology
University of Utah
Phone: 801-581-3084
Email: yoshikami@bioscience.utah.edu