ERIC S. LUTH Ph.D.

Associate Professor of Biology
Simmons University
Boston, MA 02115

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EDUCATION

Harvard University — Boston, MA
Ph.D. in Neurobiology, Advisor: Dennis J. Selkoe M.D. — 2014

Colby College — Waterville, ME
B.A. with Honors in Biology (Neuroscience); Summa Cum Laude; Phi Beta Kappa — 2005

ACADEMIC EXPERIENCE

Associate Professor of Biology, Co-coordinator Neuroscience and Behavior — 2023-Present
Simmons University — Boston, MA

Assistant Professor of Biology, Co-coordinator Neuroscience and Behavior — 2018-2023
Simmons University — Boston, MA

Adjunct Professor of Biology — 2016
University of Massachusetts Boston — Boston, MA

IRACDA Postdoctoral Scholar — 2014-2018
Tufts University School of Medicine, PI: Peter Juo Ph.D. — Boston, MA

Guest Laboratory Instructor — 2016-2017
Pine Manor College — Chestnut Hill, MA

Adjunct Laboratory Instructor — 2012-2013
Emmanuel College — Boston, MA

Research Technician — 2005-2007
Boston Children's Hospital, PI: Louis M. Kunkel Ph.D. — Boston, MA

Research Assistant — 2003-2004
Colby College, PI: Andrea Tilden Ph.D. — Waterville, ME

AWARDS AND HONORS RECEIVED

Silver Lining Post-Pandemic Innovative Teaching Award	2021
Faculty Fund for Research	2021
Undergraduate Faculty-Student Collaborative Fellowship	2020
Faculty Development Fund	2020
Institutional Research & Academic Career Development Award (IRACDA): NIH K12	2014-2018
IRACDA Conference Outstanding Poster Award	2018
Lederman Research Scholar Award	2004

RESEARCH MENTORING

Undergraduate Students

Simmons University undergraduates (*thesis students)

Lili Malatinszky — September '23-Present
Anamaria Rozo — September '23-Present

Minh Anh Bui September ’23-Present
Mahlet Aregawi September ’23-Present
Samantha Kuszynski (Summer REU student) May ’23-August ‘23
Sarah Samad May ’23-Present
Audre Wells September ’22-Present
Emily Brown September ’22-Present
Sara Hornak September ’22-May ‘24
Hasna Iqbal September ‘22-May ‘23
Erin Ginn: research technician at Tufts University School of Medicine September ‘22-May ‘23
Faith Akoachere (Summer REU student) May ’22-August ‘22
James Feduccia (Summer REU student) May ’22-August ‘22
Rachel Kienle January ‘22-May ‘23
Skyler Goodman June ‘21-May ‘23
Kaitlyn Kessel*: research technician at Mass General Hospial June ‘21-May ‘23
Najat Mannoun June ‘21- May ‘22
Emily San Andres research technician at the National Institutes of Health June ‘21- May ‘22
Lina Dai June ‘21- May ‘22
Kainat Altaf dental student at the University of Connecticut September ‘19-May ‘22
Chiara Beauvais medial assistant at New England Family Foot Care January ‘19-May ‘21
Irene Nguyen January ‘19-May ‘21
Celine Breton* advance technology development engineer at Werfen September ‘18-May ‘21
Devin Ryan: research associate at Dana Farber CPD September ‘19-Dec ‘20
Jessica Wei September ‘19-May ‘20
Angela Meunier*: research technician at BWH/Harvard September ‘19-May ‘20
Angela Capriglione: Ph.D. student at Boston University January ‘19-May ‘19
Ari Robinson*: Ph.D. student at Wesleyan University September ‘18-May ‘19

Julia Hofer: Undergraduate student from Tufts University May 2017-Present
Carmino Riccio: Undergraduate student from Assumption College June-August 2015
Tufts University, Department of Developmental, Molecular, and Chemical Biology (DMCB)
- Participant in the Tufts Building Diversity in Biomedical Sciences (BDBS) program
- Placed 1st in the BDBS poster competition and won a trip to present his research at the Annual Biomedical Research Conference for Minority Students in Seattle

Vidiya Sathananthan: Undergraduate student from Boston University May 2011-June 2012
Harvard University, BWH, Department of Neurology

M.S. Students at Tufts University
Kelsey Jones: MS in Biomedical Sciences student August 2016-May 2017
Samuel Williams: MS in Biomedical Sciences student August 2015-May 2016

Ph.D. Students
Bethany Rennich: Rotation Student in the Tufts Neuroscience Program January-March 2018
Katherine Watters: Rotation student in the Tufts Neuroscience Program January-March 2017
Molly Hodul: Rotation student in the Tufts Neuroscience Program January-March 2015

SIMMONS PUBLICATIONS

**** Simmons undergraduate coauthor***

Imberdis T[#], **Luth ES[#], Beauvais C*,** Shiminaka K, Subraminian K, Dettmer U, Ramalingam N. Myosin-V as a modifier of α-synuclein inclusion formation and toxicity. *In preparation*
[#]These authors contributed equally to this work

Brown E*, Kuszynski S*, Akoachere F*, Feduccia J*, Malatinszky L*, Luth ES. Generation of an endogenous auxin inducible degron-tagged SPAS-1/spastin to investigate its targeted depletion in neurons. *In preparation*

Breton C*, Kessel K*, Robinson A*, Altaf K*, Luth ES. (2024) Sublethal concentrations of PFOA delay *C. elegans* larval development and population growth. *Journal of Toxicology and Environmental Health: Part A* 87(1)

Rennich BJ, Moores S, **Luth ES**, Juo P. (2023) Regulation of AMPA receptors trafficking by secreted factors. *Frontiers in Cellular Neuroscience* 17, 1271169

Luth ES, Juo P. (2023) A Versatile Semester-long Course-based Undergraduate Research Experience using Optogenetics and RNAi to Identify Genes Important for Synapse Function. *Journal of Undergraduate Neuroscience Education* 22(1)

Rennich BJ, **Luth ES**, Hofer J, Juo P (2023). Low-Density Lipoprotein Receptor LRP-2 regulates GLR-1 glutamate receptors and glutamatergic behavior in *C. elegans. Micropubl. Biol. PMID: 37179968*

Nguyen I* and **Luth ES**. (2021) The transcription factor DMD-10 is dispensable for the initial development of amphid sensory neurons and their survival in mature *C. elegans*. *Micropubl Biol. PMID: 34142022*

Hodul, M, Rennich BJ, **Luth ES**, Dahlberg C, Juo P. (2021) The WD40 repeat protein WDR-20 and the deubiquitinating enzyme USP-46 promote cell surface levels of glutamate receptors. *J. Neurosci* 41(14)

Luth ES, Hodul M, Rennich BJ, Riccio C, Hofer J, Markoja K, Juo P. (2021) VER/VEGFR proteins regulate AMPA receptor surface levels and glutamatergic behavior *PLoS Genetics* 17(2)

Durbeck J, **Breton C***, Suter M, **Luth ES**, McGehee AM. (2021) The Doublesex/Mab-3 domain transcription factor DMD-10 regulates ASH-dependent behavioral responses. *PeerJ PMID: 33665029*

Park L, **Luth ES**, Jones K, Hofer J, **Nguyen I***, Watters KE, Juo P. (2021) The Snail transcription factor CES-1 regulates glutamatergic behavior in *C. elegans*. *PLoS One* 16(2)

Luth ES, and Stavrovskaya IG (2019) Measuring mitochondrial dysfunction caused by α-synuclein oligomers. *Methods Mol Biol.* 1948:183-198

PRE-SIMMONS PUBLICATIONS

Garafalo SD, **Luth ES**, Moss BJ, Monteiro MI, Malkin E, Juo P. (2015) The AP2 clathrin adaptor protein complex regulates the abundance of GLR-1 glutamate receptors in the ventral nerve cord of *Caenorhabditis elegans*. *Mol Biol. Cell.* 26:1887-900

Dettmer U, Newman AJ, Soldner F, **Luth ES,** von Saucken VE, Sanderson JB, Bartels T, Selkoe DJ. (2015) Parkinson's causing α-synuclein missense mutations shift native tetramers to monomers as a mechanism for disease initiation. *Nature Comm.* 6:7314

Luth ES, Bartels T, Kim N, Dettmer U, Selkoe DJ. (2015) Purification of α-synuclein from human brain reveals an instability of endogenous multimers as the protein approaches purity. *Biochemistry.* 54:279-92

Luth ES, Stavrovskaya IG, Bartels T, Kristal BS, Selkoe DJ. (2014) Soluble, prefibrillar α-synuclein oligomers promote complex I-dependent, Ca^{2+}-induced mitochondrial dysfunction. *J Biol. Chem.* 31:21490-507

Selkoe DJ, Dettmer U, **Luth ES**, Kim N, Newman AJ, Bartels T. (2014) Defining the native state of α-synuclein. *Neurodegener Dis*. 13:114-7. Review

Bartels T, Kim N, **Luth ES**, Selkoe DJ. (2014) N-alpha-acetylation of α-synuclein increases its helical folding propensity, GM1 binding specificity and mediates resistance to aggregation. *PLoS One* 7:e103727

Dettmer U, Newman AJ, **Luth ES**, Bartels T, Selkoe DJ. (2013) In vivo cross-linking reveals principally oligomeric forms of α-synuclein and β-synuclein in neurons and non-neural cells. *J Biol. Chem*. 9: 6371-85

Liadaki K, Casar JC, Wessen M, **Luth ES**, Jun S, Gussoni E, Kunkel LM (2012) β4 integrin marks interstitial myogenic progenitor cells in adult murine skeletal muscle. *J Histochem. Cytochem.* 60: 31-44

Young-Pearse TL, Suth S, **Luth ES**, Sawa A, Selkoe DJ. (2010) Biochemical and functional interaction of disrupted-in-schizophrenia 1 and amyloid precursor protein regulates neuronal migration during mammalian cortical development. *J Neurosci.* 30:10431-4

Luth ES, Jun SJ, Wessen MK, Liadaki K, Gussoni E, Kunkel LM. (2008) Bone marrow side population cells are enriched for progenitors capable of myogenic differentiation. *J Cell Sci.* 121:1426-34

Liadaki K, **Luth ES**, Kunkel LM. (2007) Co-detection of GFP and dystrophin in skeletal muscle tissue sections. *Biotechniques* 42:699-700

CONFERENCE PRESENTATIONS

**** Simmons undergraduate presenter***

Iqbal H*, Luth ES. (2022) EXC-5 regulatory functionality at the neuromuscular junction, *Eastern New England Biological Conference (ENEBC)*, Boston, MA

Kessel R*, Luth ES. (2022) PFOS exposure disrupts glutamate-dependent sensory behavior in *C. elegans. ENEBC*, Boston, MA

Ginn E*, Luth ES. (2022) Investigating the mechanisms of VER-1-mediated AMPAR recycling in *C. elegans. ENEBC*, Boston, MA

Kienle E*, Luth ES. (2022) Validation of a novel drug target to prevent alpha-synuclein induced degeneration*. Simmons STEM Symposium*, Boston, MA

Feduccia J*, **Akoachere F***, **Luth ES**. (2022) Generation of CRISPR- and AID-based reagents to assess the neuroprotective effects of HUM-2 and SPAS-1 loss in *C. elegans*, *American Society for Cell Biology (ASCB)*, Washington, D.C.

Luth ES, Kienle R*, San Andres E*, Beauvais C*, Dettmer U, Ramalingam N (2022) Genetic validation of novel drug targets to prevent alpha-synuclein-induced dopaminergic degeneration, *ASCB*, Washington, D.C.

Kessel K*, Luth ES. (2022) PFOS exposure disrupts glutamate-dependent sensory behavior in *C. elegans*, *ASCB*, Washington, D.C.

Breton C*, **Robinson A**, **Altaf K**, **Luth ES**. (2021) Sub-toxic concentrations of perfluoroalkyl substances (PFAS) dose-dependently delay *C. elegans* larval development and population growth, *International C. elegans Conference*, Virtual Symposium

Breton C*‡, **Robinson A**, **Altaf K**, **Luth ES**. (2021) Forever Chemicals: Understanding their Developmental and Reproductive Toxicity, *Simmons University Virtual Symposium of Undergraduate Research and Creative Works*, Virtual Symposium
‡Keynote speaker

Beauvais C*, Luth ES. (2021) Observing the age-dependent toxicity of alpha-synuclein in *C. elegans* dopaminergic neurons, *University Virtual Symposium of Undergraduate Research and Creative Works*, Virtual Symposium

Nguyen I*, Luth ES (2021) DMD-10 is Dispensable for the initial development of amphid sensory neurons and their survival in mature *C. elegans, University Virtual Symposium of Undergraduate Research and Creative Works*, Virtual Symposium

Breton C*, **Robinson A**, **Altaf K**, **Luth ES**. (2021) Exposure to subtoxic concentrations of PFOA causes developmental and reproductive toxicity in *C. elegans*, *Northeast Regional Meeting of the Society for Developmental Biology*, Virtual Symposium

Meunier A*, Luth ES (2020) Understanding the role Of VEGF receptor proteins in glutamate neurons**,** *Simmons Undergraduate Symposium*, Virtual Symposium

Ryan D*, Luth ES (2020) Creating reagents to study the relationship between alpha-synuclein multimerization and neuronal activity *Simmons Undergraduate Symposium*, Virtual Symposium

Luth ES, Hodul M, Riccio C, Hofer J, Markoja K, Juo P. (2020) VEGF receptor-related proteins regulate AMPA glutamate receptor trafficking to control surface levels and behavior, *Cell Biology of the Neuron: Gordon Research Conference*, Waterville Valley, NH – Cancelled due to COVID-19

Breton C*, **Robinson A**, **Altaf K**, Saitow CB, **Luth ES**. (2020) Exposure to subtoxic concentrations of PFOA causes developmental and reproductive toxicity in *C. elegans*, *Northeast Regional Meeting of the Society for Developmental Biology*, Woods Hole, MA – Cancelled due to COVID-19

Breton C*, **Robinson A**, **Altaf K**, Saitow CB, **Luth ES**. (2020) Exposure to subtoxic concentrations of PFOA causes developmental and reproductive toxicity in *C. elegans*, *Northeast Conference on the Science of PFAS: Public Health & the Environment*, Framingham, MA – Cancelled due to COVID-19

Luth ES, Hodul M, Riccio C, Hofer J, Markoja K, Juo P. (2019) VEGF receptor-related proteins regulate AMPA glutamate receptor trafficking to control surface levels and behavior, *Neurodevelopmental Disorders Symposium*, Boston, MA

Robinson A*, **Breton C***, Saitow C, **Luth ES**. (2019) Toxicological effects of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) on *C. elegans*, *American Chemical Society, Northeast Regional Meeting*, Saratoga, NY

McGehee AM, Durbeck J, Nammour J, Suter M, **Breton C**, **Luth ES**. (2019) Investigating the role of the transcription factor DMD-10 in regulating nervous system function, *International C. elegans Conference*, Los Angeles, CA

Luth ES, Hodul M, Riccio C, Hofer J, Markoja K, Juo P. (2019) PVF-1/VER signaling regulates GLR-1 glutamate receptor surface levels to control behavior, *International C. elegans Conference*, Los Angeles, CA

Robinson A*, **Breton C***, **Luth ES**. (2019) Toxicologic effects of perfluorooctanoic acid (PFOA) on *C. elegans* and mammalian cells, *Simmons University Undergraduate Symposium*, Boston, MA

Robinson A*, **Breton C**, **Luth ES**. (2019) PFOA exposure to *C. elegans* shows significant delays in development and reproduction, *Eastern New England Biological Conference,* Boston, MA

Juo P, **Luth ES**, Riccio C, Hofer J, Markoja K. (2018) Vascular Endothelial Growth Factor (VEGF) Receptor VER-1 and VER-4 Regulate Glutamatergic Behavior by Promoting Cell Surface Levels of GLR-1 Glutamate Receptors, *Society for Neuroscience Annual Meeting*, San Diego, California

Luth ES, Riccio C, Hofer J, Markoja K, Juo P. (2018) VEGF Receptor-Related Proteins Promote Glutamate Receptor Surface Levels and Control Behavior, *IRACDA 2018*, Atlanta, Georgia

Juo P, **Luth ES**, Riccio C, Hofer J, Markoja K. (2018) Vascular Endothelial Growth Factor (VEGF) Receptor VER-1 and VER-4 Regulate Glutamatergic Behavior by Promoting Cell Surface Levels of GLR-1 Glutamate Receptors, *C. elegans Neuronal Development, Synaptic Function, & Behavior Topic Meeting*, Madison, Wisconsin

Luth ES, Riccio C, Hofer J, Markoja K, Juo P. (2017) VER/VEGFR-Related Proteins Promote GLR-1/GluR Surface Levels and Control Behaviors, *CMDB-Genetics Retreat*, Portland, Maine

Luth ES, Riccio C, Hofer J, Markoja K, Juo P. (2017) VER/VEGFR-Related Proteins Promote GLR-1/GluR Surface Levels and Control Behaviors, *ASCB*, Philadelphia, PA

Luth ES, Riccio C, Markoja K, Juo P. (2017) VER/VEGFR Proteins Promote Glutamate Receptor Clustering and Related Behaviors, *IRACDA National Conference*, Birmingham, AL

Luth ES, Riccio C, Markoja K, Juo P. (2017) VER/VEGFR-Related Proteins Regulate GLR-1 Glutamate Receptors and Behaviors, *International C. elegans Conference*, Los Angeles, CA

Luth ES, Riccio C, Juo P. (2016) VER/VEGFR Proteins Promote Glutamate Receptor Clustering and Related Behaviors in *C. elegans*, *DMCB Retreat*, Grafton, MA

Luth ES. (2016) Kinesthetic Activities to Teach Basic Neuroscience Concepts, *IRACDA National Conference*, Tucson, AZ

Riccio C, **Luth ES**, Juo P. (2015) Identification of Cell Adhesion Molecules that Facilitate Glutamatergic Synapse Formation in *C. elegans*, *ABRCMS National Conference*, Seattle, WA

Luth ES, Bartels T, Stavrovskaya IG, Kristal BS, Selkoe DJ. (2013) Effects of Native and Recombinant α-Synuclein on Ca^{2+}-Induced Mitochondrial Permeability Transition, *International Conference on Alzheimer's and Parkinson's Diseases*, Florence, Italy

Bartels T, Kim, N, **Luth ES**, Dettmer U, Selkoe DJ. (2013) Structural Determinants of Tetrameric α-Synuclein, *International Conference on Alzheimer's and Parkinson's Diseases*, Florence, Italy

Dettmer U, Newman AJ, **Luth ES**, Bartels T, Selkoe DJ. (2013) Live-cell Crosslinking Reveals Principally Oligomeric Forms of α-Synuclein and β-Synuclein in Neurons and Non-neural Cells, *International Conference on Alzheimer's and Parkinson's Diseases*, Florence, Italy

Luth ES, Selkoe DJ. (2011) Impact of α-Synuclein on Mitochondrial Ca^{2+} Handling and Ca^{2+}-Induced Toxicity, *Massachusetts Alzheimer's Disease Research Center/Boston University Alzheimer's Disease Center Poster Symposium*, Boston, MA

Luth ES, Selkoe DJ. (2010) Impact of α-Synuclein on Mitochondrial Ca^{2+} Handling and its Consequences for Cell Survival, *Society for Neuroscience Annual Meeting*, San Diego, CA

Young-Pearse TL, Suth S, **Luth ES**, Sawa A, Selkoe DJ. (2010) DICS-1 Acts Downstream of APP and DAB1 in Cortical Development, *Society for Neuroscience Annual Meeting*, San Diego, CA

Luth ES, Liadaki K, Gussoni E, Kunkel LM. (2006) Examining the Myogenic Potential of Whole Bone Marrow and Bone Marrow SP Cells, *Boston Children's Hospital Stem Cell Event*, Boston, MA

Luth ES, Tozer MC, Tilden AR. (2004) Isolation and Sequencing of Nuclear Receptors in the American Lobster *Homarus americanus*, *Mount Desert Island Biological Laboratory Undergraduate Symposium*, Salisbury Cove, ME

INVITED TALKS

Simmons University CNBHS All-College Meeting — October 2021
Virtual Success: How the Pandemic Enhanced the In-Person Lab Experience

Silver Lining Award Showcase — October 2021
Redesigning a Biology Lab Course for Virtual Learning

Simmons University Council — December 2019
Forever Chemicals: Understanding their developmental and reproductive toxicity
Presented with Simmons undergraduate Celine Breton

Simmons University CNBHS Spring Symposium — May 2019
Making connections: Using worms to identify genes important for synapse function

IRACDA 2018 Conference — July 2018
VEGF receptor-related proteins regulate glutamate receptor surface levels and control behavior

Boston Area Worm Meeting — May 2018
VER proteins regulate GLR-1 glutamate receptor surface levels to control behavior

Salve Regina University — April 2018
Membrane potential: How cells set up and maintain electrical gradients

Roger Williams University — March 2018
Making connections: Using worms to identify genes important for synapse function

Lasell College — March 2018
Kinesins: How motor proteins keep us moving

Simmons College — February 2018
The cerebellum: Enabling motor learning and coordination

Stonehill College — January 2017
Making connections: Using worms to identify genes important for synapse function

Emmanuel College — December 2016
Making connections: Using worms to identify genes important for synapse function

Building Diversity in Biomedical Sciences: Undergraduate Research Seminar Series — July 2015
Using *C. elegans* to identify genes important for synapse formation

University of Massachusetts, Boston — November 2015
Parkinson's disease: α-synuclein, mitochondria, and selective vulnerability

RESEARCH SEMINARS

TEACRS Research Retreat — May 2017
VER/VEGFR proteins regulate GLR-1 receptors and synapse function

Tufts University: Developmental, Molecular, and Chemical Biology (DMCB) Seminar — February 2017
VER/VEGFR proteins regulate glutamate receptors and related behaviors

TEACRS Research Retreat — May 2016
Identifying new molecular players in synapse development using *C. elegans*

Tufts University: DMCB Seminar — May 2016
Making Connections: Using worms to identify genes important for glutamatergic synapse development

Brigham and Women's Hospital: Alzheimer's Disease/Parkinson's Disease Seminar — May 2014
Physiological and pathological characterization of α-synuclein oligomers

Brigham and Women's Hospital: Alzheimer's Disease/Parkinson's Disease Seminar — November 2012
Investigating effects of α-synuclein on mitochondrial dysfunction

GRANTS AND CONTRACTS

NSF Accomplishment-Based Renewal for REU in Synthetic Biology, awarded $84,000 — March 2023

NSF Major Research Instrumentation, under review $571,023 — February 2023

Simmons Faculty Development Fund, awarded $500 — November 2022

SURPASs scholarship, $6,176 awarded to student Kaitlyn Kessel and Eric Luth — March 2022

Faculty Fund for Research, $2,500 awarded — April 2021

Undergraduate Faculty/Student Collaborative Fellowship, $2,000 awarded — October 2020

Michael J. Fox Foundation Preproposal submitted with BWH/HMS – not funded — October 2020

Simmons Passionate Leaders Project, $3,985.99 awarded to Celine Breton — September 2020

SURPASs scholarship, $3,046 awarded to student Chiara Beauvais and Eric Luth — August 2020

Simmons Faculty Development Fund, awarded $700 — December 2019

Undergraduate Student Research Fund, $1,000 awarded to student Celine Breton — November 2019

NSF: Integrative Organismal Systems: collaborator, $9,500 awarded to Simmons — July 2019

Simmons SURE fellow, applied for by student Celine Breton – not funded — December 2018

Undergraduate Student Research Fund, $1,000 awarded to student Ari Robinson — February 2021

Undergraduate Student Research Fund, $1,000 awarded to student Celine Breton — December 2018

SIMMONS COMMITTEE MEMBERSHIPS

Search Committee, Neurobiologist for Psychology Department — December 2023-March 2024

Fund for Research Committee	September 2023-March 2024
Local Promotion and Tenure Committee for Laura Rossi	April 2023-Present
Institutional Biosafety Committee	April 2019-Present
Search Committee, Exercise Physiologist for the Biology Department	September-November 2021
Search Committee, Cell Biologist for the Biology Department	April-June 2021

PROFESSIONAL SERVICE

Relocation of Biology Department shared research equipment, coordinator	2022-2023
Simmons NSF REU: A multisite REU in Synthetic Biology, appointed co-PI	2022-Present
MindScope: Simmons Science Magazine, faculty advisor	2021-Present
Tufts IRACDA Postdoctoral Scholar Mentoring Team, committee member	2021-Present
Research/Internship Experiences in Biology courses, coordinator	2019-Present
Neuroscience and Behavior major, co-coordinator	2018-Present
Tufts Pipeline Program Summer Symposium, "Academia" roundtable host	August 2022
Simmons Scholars Dinner, faculty table host	March 2022
Simmons Open House: "FINtastic Faculty", panelist	November 2021
NACAC STEM College Fair, Simmons Biology representative	March 2021
Simmons Scholars Dinner, faculty table host	February 2021
Minority Biomedical Scientists at Harvard, Latinx Student Association, panelist	September 2020
Tufts IRACDA Job Search Workshop, panelist	June 2020
Peer reviewer for the journal *microPublication Biology*	June 2020
Simmons Open House "Meet the FINtastic Faculty", panelist	November 2019
Peer reviewer for the journal *Cells*	August 2019
Eastern New England Biological Conference, poster judge	April 2019
Simmons Open House "Complementing the Academic Experience", panelist	November 2018
Tufts "Meet the Scientists" community outreach, neuroscience demonstration leader	May 2016

WORKSHOPS, SEMINAR, SYMPOSIA LEADERSHIP

Simmons Neuroscience Research Panel, organizer and moderator	March 2022
Simmons Neuroscience Research Panel, organizer and moderator	November 2019
UMB "Careers in Biology and Health Professions", organizer and panelist	November 2015

WORKSHOPS, SEMINAR, SYMPOSIA ATTENDED

Bridging Research and Education with Model Organisms	July 2022
The Brain Inside Out: Mapping the Nervous System's Wiring	February 2022
Society for Neuroscience Annual Meeting	November 2021
Pivotal Pedagogy: Detecting Hidden Signals from Students in Need of Support	February 2021
Getting Close…But Not Too Close: Mentoring in the #MeToo Era	May 2019
Boston Area Worm Meeting, *C. elegans* conference with student Ari Robinson	March 2019

Simmons Silent Spring Institute symposium	February 2019
How to Make Your Digital Course Materials Accessible	December 2018
Ten Outstanding Young Leaders, one of five selected Simmons representatives	October 2018
Summer Teaching Institute	August 2018

PROFESSIONAL MEMBERSHIPS

American Society for Cell Biology	Through 2024
Society for Neuroscience	Through 2021
Faculty for Undergraduate Neuroscience	Through 2021
Genetics Society of America	Through 2021

CONSULTING ROLES

None

COMMUNITY SERVICE

Move-in Faculty and Staff Street Team	August 2018-Present