

Curriculum Vitae
Laura M. Jelsone-Swain
Professor of Cognitive Neuroscience
Department of Psychology, University of South Carolina Aiken
laurasw@usca.edu

EDUCATION AND TRAINING

- 2009 - 2013 **University of Michigan, Ann Arbor**
Postdoctoral Research Fellow, concentrated in cognitive neuroscience
- Cortical and cognitive changes in amyotrophic lateral sclerosis (ALS)
 - Dr. Robert C. Welsh, Ph.D., Departments of Radiology & Psychiatry
- 2005 - 2008 **University of South Carolina, Columbia**
Ph.D. in experimental psychology, concentrated in developmental cognitive neuroscience
- Dissertation: Temporal information processing in adolescents compared to adults: an fMRI study
 - Dr. Gordon C. Baylis, D.Phil., Department of Psychology
- 2003 - 2005 **University of South Carolina, Columbia**
M.A. in experimental psychology, concentrated in cognitive neuroscience
- Thesis: The effect of stimulus duration and motor response in visual neglect
 - Dr. Gordon C. Baylis, D.Phil., Department of Psychology
- 1999 - 2003 **University of South Carolina, Columbia**
B.S. in psychology, with cognate in neuroscience
- magna cum laude (3.75 for USC, 4.0 for major)

ACADEMIC APPOINTMENTS

- 2024 - **University of South Carolina Aiken**
Professor, Department of Psychology
- 2019 - 2024 **University of South Carolina Aiken**
Associate Professor, Department of Psychology
- 2013 - 2018 **University of South Carolina Aiken**
Assistant Professor, Department of Psychology
- 2008 - 2009 **College of Charleston, South Carolina**
Visiting Assistant Professor, Department of Psychology

RESEARCH POSITIONS

- 2006 - 2007 **University of South Carolina, Columbia**
Research Assistant
- Cortical plasticity and language function after hemispherectomy
 - Dr. Stella DeBode, Ph.D., Communication Sciences Department

- 2005 **Wayne State University, Detroit**
 Research Assistant
- Facial affect processing in patients with social phobia
 - Dr. Luan Phan, M.D., Ph.D., Brain Imaging Research Department

HONORS AND AWARDS

- 2024 Nominated for the Faculty Excellence in Teaching Award (did not pursue)
 2024 Recipient of Distinguished Undergraduate Research Mentor Award
 2023 USC Aiken Endowed Chair of Neuroscience (or Surgical Nursing)
 2023 Recipient of the Faculty Excellence in Scholarship Award
 2023 Nominated (twice) for the Faculty Excellence in Teaching Award (did not pursue)
 2023 Student-selected honoree for homecoming kick-off Pacer Madness
 2023 Pacesetter-selected honoree for annual shirting ceremony
 2021–2023 Recipient of 10 ‘Thank a Teacher’ letters
 2018 Recipient of the Excellence in Teaching Award at USCA
 2017 Finalist for the Excellence in Teaching Award at USCA
 2017 Nominee for the Excellence in Advising Award
 2016 Student-Athlete Faculty Appreciation Night Honoree at USCA
 2016 Nominee for the Two Thumbs Up Award at USCA (for students with disabilities)
 2015 Nominee for the Excellence in Teaching Award at USCA (not eligible)
 2007 Second Place in the Outstanding Graduate Teacher of the Year Award
 2005 Nominee for the Michael J. Mungo Undergraduate Teaching Award (not eligible)

NEW COURSES DEVELOPED AND TAUGHT AT USC AIKEN

(Year indicates when new course was offered)

- 2023 PSYC 624: Methodological Design in Psychology: *Graduate Class*
 PSYC 500: Brain Trauma, Disorder, and Disease
 PSYCH 499: Psychology Capstone
- 2022 PSYC 486: Stress and Coping Lab: *Virtual*
- 2020 Emerging Leaders Professional Development Workshop: Decision Making
- 2015 PSYC 485: Stress and Coping: *Virtual*
 PSYC 101: Introduction to Psychology: *Virtual*
- 2014 PSYC 2014: Statistics and Research Methods: *Graduate Class*
 PSYC 370: Cognitive Neuroscience
 PSYC 371: Cognitive Neuroscience Lab
- 2013 PSYCH 101: Introduction to Psychology
 PSYC 450: Sensation and Perception
 PSYC 451: Sensation and Perception Lab

PEDOGOGICAL TRAINING RECEIVED (recent only)

Certifications:

- 2022 ***Fostering Proactive Learning Environments (FPLE)***: this certification was designed to learn how to structure my classes to foster a sense of belonging and properly address classroom conflicts. Certification required attending 6 different (assigned) workshops offered through the Center for Teaching Excellence at USC Columbia. **Workshops attended between 2021 – 2022 are listed below:**
1. Promoting Academic Integrity
 2. Virtual Conversations: Engaging Students in Online Discussion Boards
 3. Dealing with the Unexpected: Classroom Disruptions
 4. Addressing Common Violations
 5. Librarians at the Interdisciplinary Intersection: Bringing together Information Literacy and Critical Thinking Skills for Student Success
 6. Setting Classroom Expectations and Creating a Sense of Belonging

Conferences Attended

- 2023 Scholarship of Teaching and Learning Summit (SOTL; online)
2018 American Association of Colleges and Universities (AACU) STEM conference

Stand-Alone Workshops/Events

- 2023 SPARK Summit: one day event to facilitate belonging and unity among students in the USC Aiken and greater Aiken community
2021 Yuja Faculty Training Session
2018 USCA CETL: The Flipped Classroom
2017 USCA CETL: Service Learning in the Classroom
2016 USCA CETL: Excellence in Teaching

PEDOGOGICAL PRESENTATIONS/WORKSHOPS/PANELS

- 2023 USCA CETL Workshop: *Let's Chat About ChatGTP*
- 2023 USCA CETL: Co-facilitated the New Faculty CONNECTION workshop; *Engaging Students in the Campus and Virtual Classroom*
- 2022 USCA CETL: Co-facilitated the New Faculty CONNECTION workshop; *Engaging Students in the Campus and Virtual Classroom*
- 2021 USCA CETL: 'TEN' TALKS – virtual 10-minute workshop; *Setting the Stage for a Successful Semester*
- 2020 Lexington 1 District workshop for principals and vice principals; *Bridging the Connection from K-College (and beyond)*

2019	Lexington 1 Parents Advisory Council: Facilitated <i>USCA Student Panel</i> for Lexington 1 parents to prepare their children transitioning to college
2019	USCA CETL : <i>Creating and sustaining powerful and engaging learning opportunities in the classroom</i>
2018	Lexington 1 Student Advisory Council: Facilitated <i>USCA Student Panel</i> for Lexington 1 High School students transitioning to college
2018	Lexington 1 Parents Advisory Council: <i>Tips for Transitioning to College (and what we can do now to prepare)</i>

ACADEMIC COMMITTEE SERVICE

(D = department level, U = university level)

Chair/Leadership Service Positions

2022-2023	<i>COPLAC Affinity Group Facilitator: Navigating Motherhood in Academia. This is part of the COPLAC ADVANCE project/grant that aims to provide professional support and networking to women STEM faculty throughout the COPLAC consortium</i>
2014 - present	<i>U Faculty Advisor</i>
2022 - 2023	<i>U Chair</i>
2021 - 2022	<i>Department Leader</i>
2022	<i>D Chair</i>
2016 - 2017	<i>U Chair</i>
2013 - 2015	<i>D Steering Committee</i>
	USCA Neuroscience Club
	Nominating Committee
	Family Fund
	Faculty Teaching Evaluation Committee
	Honors, Awards, and Scholarship (HAS)
	C-NERVE; part of NSF outreach grant (awarded to U. Wisconsin), created to collaborate neuroscience exchange programs between U. of Wisconsin and USCA.

Membership Positions

2023 – 2026	<i>U Committee Member</i>	Faculty Grievance Committee
2023 -	<i>U Committee Member</i>	IACUC committee (Animal Welfare)
2023	<i>D Faculty Member</i>	Psychology Faculty Search Committee
2023	<i>U Subcommittee Member</i>	General Education Subcommittee
2022 – 2023	<i>D Admissions Committee</i>	Psychology Graduate Admissions
2023	<i>U Committee Member</i>	HAS: Part-Time Teaching Award
2022	<i>D Faculty Member</i>	Psychology Faculty Search Committee
2021 - 2024	<i>U Committee Member</i>	Nominating Committee
2021	<i>D Faculty Member</i>	Clinical Faculty Search Committee
2021	<i>U Committee Member</i>	HAS: Part-Time Teaching Award
2021	<i>D Faculty Member</i>	Developmental Faculty Search Committee
2020 – 2023	<i>U Committee Member</i>	Promotion and Tenure Committee
2020 - present	<i>U Committee Member</i>	RRPE Action Team

2019	<i>D Faculty Member</i>	Clinical Faculty Search Committee
2018 - 2021	<i>U Committee Member</i>	Library Committee
2018	<i>U Committee Member</i>	HAS: Part-Time Teaching Award
2018	<i>D Faculty Member</i>	Developmental Faculty Search Committee
2017	<i>U Subcommittee Member</i>	HAS: Part-Time Teaching Award
2017	<i>D Faculty Member</i>	Developmental Faculty Search Committee
2016	<i>D Subcommittee Member</i>	Major in Neuroscience Committee
2015	<i>D Committee Member</i>	Graduate Thesis Book Committee
2015	<i>D Committee Member</i>	Neuroscience Concentration Committee
2014 - 2017	<i>U Committee Member</i>	Honors, Awards, and Scholarship
2014	<i>D Faculty Member</i>	Social Psychology Search Committee
2014	<i>U Non-Department Member</i>	Nursing School Search Committee
2013	<i>D Faculty Member</i>	Neuroscience Faculty Search Committee

OTHER UNIVERSITY SERVICE (only service directed or led by me are listed)

2023	Talk given to Tri Beta Club on brain damage
2023	Visiting Scholar: North Augusta HS
2022	Visiting Scholar: Aiken High School
2022	Organized New Psychology Student Meet and Greet
2022	ICE Event: co-planned with the SGA: Exercise and Mental Health
2021	ICE Event: Won't You Be My Neighbor movie and talk on empathy and self-acceptance
2018 – present	STEM Day Psychology Leader/Coordinator each semester <ul style="list-style-type: none"> USCA hosts high school students from all over the state for a day to engage in hands-on STEM activities led by faculty leaders in each STEM department
2018 – present	Co-organized S.E.E.D Day for Neuroscience Club each fall
2020	ICE Event: Chronic Traumatic Encephalography Talk
2019	ICE Event: co-planned with the USCA SGA: Stress in College
2019	ICE Event: Coordinator of Guest Speaker from Wayne State on the therapeutic potential of cannabis
2019	ICE Event: Brain on Fire movie with talk on brain damage
2018	ICE Event: Inside Out Movie Night with talk on emotions in the brain
2017	Brain Awareness Week STEM-night hosted for local elementary school
2016	ICE Event: Debate Panelist for Nature vs. Nurture
2015	Developed and implemented new Neuroscience Minor at USCA
2015	ICE Event: The Double movie with talk on dissociative disorder
2014	ICE Event: Lorenzo's Oil movie with presentation on ALD
2014	ICE Event: Get Iced at the ALS Ice Bucket Challenge Event

PEER-REVIEW SERVICE

Manuscripts/Chapters/Abstracts Reviewed

2024	Manuscript Reviewer, BMC Psychiatry
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2023	Manuscript Reviewer, <i>PloS One</i>
2023	Manuscript Reviewer, <i>Journal of Social and Affective Neuroscience</i>
2023	Manuscript Reviewer, <i>Healthcare</i>
2022	Manuscript Reviewer, <i>Biological Psychology</i>
2022	Manuscript Reviewer, <i>Journal of Behavioral Sciences</i>
2022	Manuscript Reviewer, <i>Clinical EEG and Neuroscience</i>
2021	Manuscript Reviewer, <i>Brain Sciences</i>
2021	Chapter Reviewer two different chapters covering cognitive development in early childhood, <i>Scientific American: Lifespan Development</i>
2021	Chapter Reviewer: Auditory Perception; Sensation and Perception
2019	Manuscript Reviewer, <i>Social Neuroscience</i>
2017	Manuscript Reviewer, <i>Brain and Behavior</i>
2017	Manuscript Reviewer, <i>Advances in Mind-Body Medicine</i>
2016	Manuscript Reviewer, <i>Journal of Sports Sciences</i>
2014	Manuscript Reviewer, <i>Brain Research Bulletin</i>
2013	Manuscript Reviewer, <i>PLoS One</i>
2012	Abstract Reviewer, Annual Meeting, Organization for Human Brain Mapping

Grant Proposals Reviewed

2024	Grant Reviewer, SPARK, USC
2023	Grant Reviewer, RISE, USC
2020	Grant Reviewer, Magellan Scholars Award, USC
2013	Grant Reviewer, Center for Research Excellence Connections Project, USCA
2011	Grant Reviewer, Practice Oriented Research Training Program, University of Michigan

PROFESSIONAL ORGANIZATIONS

2019 - present	Society for Psychophysiological Research (SPR)
2018 - present	South Carolina Psychological Association (SCPA)
2017 - 2020	Society for Social Neuroscience (SfSN)
2015 - 2020	Southeastern Psychological Association (SEPA)
2009 - 2018	Neuroimaging Society in ALS (NiSALS)
2009 - 2013	Organization for Human Brain Mapping (HBM)
2007 - 2008	Society for Neuroscience (SfN)
2003 - 2008	Cognitive Neuroscience Society (CNS)

STUDENT GRANT MENTORSHIP

(*denotes high school student)

2024	Summer Scholar's Institute: Rachel Eubanks The Effect of Mindfulness on Theta Power and Emotion Regulation in Caregivers \$2,496
2023	Magellan Award: Rachel Eubanks Co-Mentored with Drs. Brianne Coulombe & Bridget Cho

- Theta Power and Emotion Regulation in Caregivers Before and After a Parenting-Focused Intervention
\$3,000
Mentor Stipend: \$5,000
- 2023 Psi Chi Summer Undergraduate Research Grant: Harshi Lodha Jain**
The Relationship Between Impulsivity and the Attribute Framing Effect on Decision Making and P3 in Social Contexts
\$1,485
Mentor Stipend: \$1,500
- 2023 Summer Scholar's Institute: Harshi Lodha Jain**
The effect of attribute framing in information processing and decision making while online shopping post Covid-19
-not funded
- 2023 Connections Grant Award: Jackson Owens**
The Examination of Physiological Response Differences to Color Between Genders
\$996.16
- 2023 Magellan Award: Harshi Lodha Jain**
Co-Mentored with Dr. Sanela Porca, Business Department
The effect of attribute framing in information processing and decision making while online shopping post Covid-19
\$2,999.90
- 2022 Summer Scholar's Institute: Mark Griggs**
The Effect of Moderate Exercise on Attention and Theta Oscillations as a Possible Intervention After Brain Damage
\$3,000
Mentor Stipend: \$5,000
- 2022 Summer Scholar's Institute: Harshi Lodha Jain**
The effect of attribute framing in information processing and decision making while online shopping post Covid-19
-not funded
- 2022 Summer Scholar's Institute: *Maggie Zheng (ASA student)**
The Effect of Moderate Exercise on Attention and Theta Oscillations as a Possible Intervention After Brain Damage
\$1,500
- 2022 Summer Scholar's Institute: *Kaia McMullen (ASA student)**
The Effect of Moderate Exercise on Attention and Theta Oscillations as a Possible Intervention After Brain Damage
\$1,500

- 2022 Magellan Award; Mark Griggs**
Co-Mentored with Dr. Brian Parr, Exercise Science Department
The Effect of Moderate Exercise on Attention and Theta Oscillations as
a Possible Intervention After Brain Damage
\$3,000
- 2021 Summer Scholar's Institute; *Lauren Jackson (ASA student)**
The effect of moderate exercise on attention and theta oscillations
\$1,500
- 2021 Summer Scholar's Institute; Mark Griggs**
The effect of moderate exercise on attention and theta oscillations
\$3,000
Mentor Stipend: \$5,000
- 2019 Connections Grant Award; Eliya Husid**
Alpha Band Wave Activity in Relation to Anxiety and Depressive
Symptoms
\$943
- 2019 Magellan Award; Brooke Turk**
The Effect of Acetaminophen on the Late Positive Potential
and Levels of Personal Distress to Images of Painful Situations
\$2,500
*** Discovery Day First Place Award**
- 2018 Magellan Award; Sara Anne McCommon**
*The Effect of Acetaminophen on Mu Suppression During a Pain
Empathy Task: an EEG Study*
\$2,750
- 2015 Magellan Award; Ifeoluwa Ekundayo**
*Relationship between math anxiety, math performance, and working
memory*
\$2,900

GRANT SUPPORT (Funded and Submitted)

- 2024 NSF Major Research Instrumentation: PI**
Acquisition of electroencephalogram (EEG) equipment to advance multi-user
interdisciplinary neuroscience research at University of South Carolina Aiken
\$160,670
- 2024 USC Research Initiative for Summer Engagement; PI**
Differentiating the role of acetaminophen on cognitive and affective
pain empathy
\$6,000

- 2023** **International Brain Research Organization: Brain Awareness Week grant**
 Brains in Aiken: Brain Awareness Week Community Event
 \$1,249.62
- 2023** **USC Advanced Support Program for Infrastructure in Research Excellence**
- III: PI , Brian Parr Co-PI from exercise science
 Empathic Processing and Mu Suppression in Athletes: An EEG Study
 -not funded
- 2022** **USCA Engaged Teaching and Learning Action Team (ETL):**
Teaching Innovation Grant.
 Bringing Physiological Lessons to Life: Biopac in the Classroom
 \$3,350
- 2021** **USC Advanced Support Program for Infrastructure in**
Research Excellence - III: PI, Brian Parr Co-PI
 Empathic Processing and Mu Suppression in Athletes with History of
 Concussion: An EEG Study
 -not Funded
- 2019** **USC Research Initiative for Summer Engagement; PI**
 The effect of acetaminophen on pain empathy and mu rhythm
 suppression: An EEG study
 \$6,000
- 2018** **USC Advanced Support Program for Infrastructure in**
Research Excellence – III: Co-Investigator
 Wireless Physiological Sensors to Explore the Pathophysiology and
 the Effects of Innovative Treatments for Traumatic Stress, Head
 Injuries and Emotional Dysregulation in Military Veterans, Student
 Athletes and Adults with ADHD: Out of the Laboratory and into the
 Field
 \$67,606.95
- 2018** **USC Research Initiative for Summer Engagement; PI**
 Examination of the positivity effect and socio-emotional cognitive
 functioning in patients with amyotrophic lateral sclerosis
 \$6,000
- 2014** **USC Research Initiative for Summer Engagement; PI**
 Affective processing impairment and the positivity effect in
 amyotrophic lateral sclerosis.
 \$5,000

2014 USC Advanced Support Program for Infrastructure in Research Excellence - III: PI

The advancement of neuroscience research involving interdisciplinary collaborations to investigate cognition and brain function using electroencephalogram (EEG) at University of South Carolina Aiken
\$99,956

2014 USC Advanced Support Program for Infrastructure in Research Excellence - I: PI

Action processing and the mirror neuron system during development
-not funded

2011 - 2013 U. of Michigan MICHR Postdoctoral Translational Scholars Program; PI

Mirror neuron functioning and theory of mind in amyotrophic lateral sclerosis.
\$100,000

2011 - 2013 U. of Michigan fMRI Pilot Grant; PI

Protocol development and pilot funding; Mirror neuron functioning and theory of mind in amyotrophic lateral sclerosis.
\$12,960

PEER-REVIEWED MANUSCRIPTS

(Symbols denote #high school, *undergraduate and +graduate student authors under my mentorship. Where a student is the first author, I am the corresponding author.)

Jelsone-Swain, L., Settepani, M⁺., McMullen, K[#]., Stafford, J., Cho, B. (2023).

Mindfulness and its Relationship with Trait and Pain Empathy. *Social Neuroscience*, 18, 245–255. doi: 10.1080/17470919.2023.2242093.

- IF = 2.381, SJR = .674, RIS = 1.86

Griggs, M^{*}., Vandergrift, N^{*}., Parr, B., **Jelsone-Swain, L.**, (2023). The effect of moderate exercise on attentional control and theta power in young adults. *Journal of Experimental Brain Research, Special Topics Edition; Exercise-Related Changes to Brain: From Physiology to Behavior*, 241(10), 2509-2520. doi: 10.1007/s00221-023-06660-3.

- IF = 2.064, SJR = .662, RIS = 2.14

Jelsone-Swain, L., McCommon, A^{*}., Turk, B.^{*}, Roach, A. E. (2023). Acetaminophen Changes Mu Rhythm Power Related to Pain Empathy. *Neuropsychologia*, 184, 108544. <https://doi.org/10.1016/j.neuropsychologia.2023.108544>

- IF = 3.054, SJR = .995, RIS = 2.64

Chandler, D.A.⁺, Roach, A.E., Ellison, A., Husid, E^{*}., **Jelsone-Swain, L.** (2022). Symptoms of depression together with trait anxiety increase the ability to predict alpha power change between attention and resting states. *International Journal of Psychophysiology*,

108, 57-69. <https://doi.org/10.1016/j.ijpsycho.2022.09.010>

- IF = 2.903, SJR = .902, RIS = 6.3

Meija, A.F., Koppelmans, V., **Jelsone-Swain, L.**, Kalra, S., Welsh, R.C. (2022). Longitudinal surface-based spatial Bayesian GLM reveals complex trajectories of motor neurodegeneration in ALS. *Neuroimage*, 255: 119180. doi: [10.1016/j.neuroimage.2022.119180](https://doi.org/10.1016/j.neuroimage.2022.119180)

- IF = 7.9, SJR = 2.746, RIS = 30.5

Morrison, J.⁺, Elzy, M., **Jelsone-Swain, L.** (2021). Sex differences in anger states after violent video game play and the relationship of empathy and emotional invalidation as pre-aggressive predictors in young adults. *Journal of Personality and Individual Differences*, 82. <https://doi.org/10.1016/j.paid.2021.111060>

- IF = 3.59, SJR = 1.463, RIS = 5.27

Arnett, K.⁺, Roach, A., Elzy, M., **Jelsone-Swain, L.** (2018). Childhood emotional invalidation and right hemispheric mu suppression during a pain empathy task: An EEG study. *Social Neuroscience*, 1-15. <https://doi.org/10.1080/17470919.2018.1441905>

- I.F. 2.381, SJR = .674, RIS = 1.86

Müller, H.P., Turner, M.R., Grosskreutz J., Abrahams, S., Bede, P., Govind V., ...; **Neuroimaging Society in ALS (NiSALS) DTI Study Group.** (2016). A large-scale multicentre cerebral diffusion tensor imaging study in amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery, and Psychiatry*, 87(6), 570-579. <https://doi.org/10.1136/jnnp-2015-311952>

- IF = 13.654, SJR = 3.178, RIS = 6.69

Jelsone-Swain, L., Persad, C., Burkard, D*, Welsh, R.C. (2015). Action processing and mirror neuron function in patients with amyotrophic lateral sclerosis: an fMRI study. *PLoS One*. 10(4), e0119862. <https://doi.org/10.1371/journal.pone.0119862>

- IF = 3.752, SJR = .885, RIS = 3.75

Chapman, M., **Jelsone-Swain, L.**, Johnson, T. Gruis, K., Welsh, R.C. (2014). Diffusion tensor MRI of the corpus callosum in amyotrophic lateral sclerosis. *Journal of Magnetic Resonance Imaging*. 39(3): 641-647. <https://doi.org/10.1002/jmri.24218>

- IF = 5.119, SJR = 1.378, RIS = 3.63

Welsh, R.C., **Jelsone-Swain, L.M.**, Foerster, B.R. (2013). The utility of independent component analysis and machine learning in the identification of the amyotrophic lateral sclerosis diseased brain. *Frontiers in Human Neuroscience*, 7:251. <https://doi.org/10.3389/fnhum.2013.00251>

- IF = 3.473, SJR = .787, RIS = 2.84

Jelsone-Swain, L.M., Smith, D.V*., Baylis, G.C. (2012). The effect of stimulus duration and motor response in hemispatial neglect during a visual search task. *PLoS One*, 7(5), e37369. <https://doi.org/10.1371/journal.pone.0037369>

- IF = 3.752, SJR = .885, RIS = 3.75

Chapman, M.C., **Jelsone-Swain, L.**, Fling, B.W., Johnson, T.D., Gruis, K., Welsh, R.C. (2012). Corpus callosum area in amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis*, 13, 589-591. <https://doi.org/10.3109/17482968.2012.708935>.

- IF = 3.528, SJR = 1.116, RIS = 2.81

Jelsone-Swain, L., Persad, C., Votruba, K.L., Weisenbach, S.L., Johnson, T.D., Gruis, K.L., Welsh, R.C. (2012). The relationship between depressive and physical symptoms with cognition in amyotrophic lateral sclerosis. *Frontiers in Psychology (Special topics: Psychological Issues in ALS)*, 3:542. <https://doi.org/10.3389/fpsyg.2012.00542>.

- IF = 4.232, SJR = .891, RIS = 3.91

Turner, M.R., Grosskreutz, J., Kassubeck, J., Abrahams, S., Agosta, F., Benetar, M., ... **Neuroimaging Society in ALS (NiSALS)** Neuroimaging Symposium. (2011). Towards a neuroimaging biomarker in amyotrophic lateral sclerosis. *Lancet Neurology*, 10(5), 400-403. [https://doi.org/10.1016/S1474-4422\(11\)70049-7](https://doi.org/10.1016/S1474-4422(11)70049-7)

- IF = 59.935, SJR = 11.674, RIS = 60.1

Jelsone-Swain, L.M., Fling, B.W., Seidler, R.D., Hovatter, R., Gruis, K., Welsh, R.C. (2010). Reduced interhemispheric connectivity in the motor cortex during rest in limb-onset amyotrophic lateral sclerosis. *Frontiers in Systems Neuroscience*, 4, 158. <https://doi.org/10.3389/fnsys.2010.00158>.

- IF = 3.785, SJR = 1.070, RIS = 2.97

Rorden, C., **Jelsone, L.**, Simon-Dack, S., Baylis, L.L., Baylis, G.C. (2009). Visual extinction: the effect of temporal and spatial bias. *Neuropsychologia*, 47, 321-329. <https://doi.org/10.1016/j.neuropsychologia.2008.09.004>.

- IF = 3.054, SJR = .995, RIS = 2.64

Fitzgerald, F.A., Angstadt, M., **Jelsone, L.M.**, Nathan, P.J., Phan, K.L. (2006). Beyond threat: Amygdala reactivity across multiple expressions of facial affect. *Neuroimage*, 30, 1441-1448. <https://doi.org/10.1016/j.neuroimage.2005.11.003>

- IF = 7.9, SJR = 2.746, RIS = 30.5

Baylis, G.C., Simon-Dack, S.L., Green, K., **Jelsone, L.**, Rorden, C. (2004). The effect of ipsilateral cues on line-bisection errors: The importance of predictive value. *Neuropsychologia*, 42, 175-182. <https://doi.org/10.1016/j.neuropsychologia.2003.07.001>

- IF = 3.054, SJR = .995, RIS = 2.64

UNREFEREED ARTICLES

Weed., K., **Jelsone-Swain, L.**, Ekundayo, I.* (2016). Math Anxiety: Four Strategies for Managing Math Anxiety. Anxiety.org; <https://www.anxiety.org/strategies-to-manage-math-anxiety>

MOST RECENT RESEARCH CONFERENCE PRESENTATIONS

(Symbols denote #high school, *undergraduate and +graduate student authors under my mentorship. Where a student is the first author, I am the corresponding author.)

Lodha Jain, H.R*., **Jelsone-Swain, L.** (2023). The attribute framing effect decision making and P3. *Poster session presented at the Society for Psychophysiological Research Conference, New Orleans.*

- *International*

Eubanks, R*., Settepani, M⁺., McMullen, K[#]., Stafford, J., Cho, B., **Jelsone-Swain, L.** (2023). Mindfulness and its Relationship with Trait and Pain Empathy. *Poster session presented at the Society for Psychophysiological Research Conference, New Orleans.*

- *International*

Griggs, M*., Vandergrift, N*., Parr, B., **Jelsone-Swain, L.** (2023). The effect of moderate exercise on attentional control and theta power in young adults. *Poster session presented at the Society for Psychophysiological Research Conference, New Orleans.*

- *International*

McCommon, A*., Turk, B.*., Roach, A. E., **Jelsone-Swain, L.** (2023). Acetaminophen Changes Mu Rhythm Power Related to Pain Empathy. *Poster session presented at the Society for Psychophysiological Research Conference, New Orleans.*

- *International*

Vandergrift, N*., Carnahan, A*., Griggs, M*., **Jelsone-Swain, L.** (2023). The effect of exercise on theta and attention after TBI. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina.*

- *Regional*

Jackson, O*., Boyd, R.S.* **Jelsone-Swain, L.** (2023). The effect of color on physiological arousal between genders. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina.*

- *Regional*

Eubanks, R*., Griggs, M*., **Jelsone-Swain, L.** (2023). Acute moderate exercise increases neural efficiency and response inhibition. *Poster session presented at the Annual*

*Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina. *Third place poster presentation recipient.*

- *Regional*

McMullen, K#, Zheng, M#, Settepani, M., **Jelsone-Swain, L.** (2023). A brief mindfulness intervention does not change brain activity but is related to increased pain empathy. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina*

- *Regional*

Jackson, L#, Jain, H.L*, **Jelsone-Swain, L.** (2022). The effect of moderate exercise on attention during a Flanker Task. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina. *Second place poster presentation recipient.*

- *Regional*

Griggs, M*, Spurling, E*, **Jelsone-Swain, L.** (2022). The effect of moderate exercise on theta power during a flanker task using EEG. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina. *Third place poster presentation recipient.*

- *Regional*

Settepani, M+, Eubanks, R*, Bass, J+, **Jelsone-Swain, L.** (2022). The effect of mindfulness on mu power and pain empathy. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina.*

- *Regional*

**No conferences were attended between 2020-2021 as they were either canceled or postponed due to Covid-19.*

Burley, O*, Jones, B*, **Jelsone-Swain.** (2020). The effect of acetaminophen on behavioral responses to observing others in pain. *Poster to be presented at the South Carolina Academy of Sciences. *This conference was canceled due to Covid-19.*

- *Regional*

Jupp, K+, Willis., D+, Husid, E*, **Jelsone-Swain, L.** (2019). Alpha band-wave activity in relation to mood, anxiety, and executive Function. *Poster session presented at the Society for Psychophysiological Research Conference, Washington, D.C.*

- *International*

Turk., B*, Mathews, C*, **Jelsone-Swain, L.** (2019). The effect of acetaminophen on brain activity during a pain observation task: An EEG Study. *Poster session*

presented at the Society for Psychophysiological Research Conference, Washington, D.C.

- *International*

Almutari, A*., Lowe, H*., Stolt, A*., **Jelsone-Swain, L.** (2019). Academic preparedness and the transition from high school to college. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina.*

- *Regional*

Husid, E*., Chandler, D+., **Jelsone-Swain, L.** (2019). Alpha-band wave activity in relation to anxiety and depressive symptoms. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina.* ***First place poster presentation recipient.**

- *Regional*

McCommon, A*., Turk, B*., **Jelsone-Swain, L.** (2019). The effect of acetaminophen on pain empathy and personal distress during a pain observation task. *Poster session presented at the Annual Meeting of the Southeastern Psychological Association, Jacksonville, Florida.*

- *Regional*

Culpepper, L*., Rembowski, T*., Morrison, J+., **Jelsone-Swain, L.** (2019). Effects of violent video game play between genders and the influence of socioemotional processes. *Poster session presented at the Annual Meeting of the Southeastern Psychological Association, Jacksonville, Florida.*

- *Regional*

Howard, S*., Salabaria, L*., Williams, K*., McCommon, A*., **Jelsone-Swain, L.** (2018). The effect of acetaminophen on pain empathy and mu rhythm suppression: An EEG study. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina.*

- *Regional*

Burton, J+., Willis, D+., Husid, E*., **Jelsone-Swain, L.** (2018). The relationship between FRN amplitude and depressive symptoms during negative feedback: An EEG study. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina.* **Second place poster presentation recipient.**

- *Regional*

Mickles, T+., Waters, J.C*., Hozey, K*., Brison, P.W*., **Jelsone-Swain, L.** (2018). Error awareness and response inhibition in athletes: An EEG study. *Poster session presented at the Annual Meeting of the South Carolina Psychological Association, Myrtle Beach, South Carolina.* **Third place poster presentation recipient.**

- *Regional*

Cuonzo, B.K+, Burton, J+, Mickles, T+, Willis, D+, **Jelsone-Swain, L.** (2017). The effect of internal and external anxiety on response inhibition. *Poster session presented at the International Society for Social Neuroscience Conference, Washington, D.C.*

- *International*

Jelsone-Swain, L., Arnett, K+, Roach, A., & Elzy, M. (2017). Childhood emotional invalidation and right hemispheric mu suppression during a pain empathy task: An EEG study. *Poster session presented at the International Society for Social Neuroscience Conference, Washington, D.C.*

- *International*

Tyra, M.N+, Morrison, J.O+, Cuonzo, B.K+, & **Jelsone-Swain, L.** (2016). The relationship between emotional invalidation and impulsivity as measured through event-related potentials: An EEG study. *Poster session presented at the Annual Meeting of the Southeastern Psychological Association, New Orleans, Louisiana.*

- *Regional*

Ekundayo, I*., **Swain, L.**, & Weed, K. (2015) Relationship between math anxiety, working memory, and math performance. *Poster session presented at the Annual Meeting of the Southeastern Psychological Association, Hilton Head, South Carolina.*

- *Regional*

Jelsone-Swain, L., Rzepecki, A*., Saad, M*., Burkard, D*., Mikels, J., Reuter-Lorenz, P., Langenecker, S., & Welsh, R.C. (2015). Emotional and socio-cognitive functioning in patients with amyotrophic lateral sclerosis. *Poster session presented at the Annual Meeting of the Southeastern Psychological Association, Hilton Head, South Carolina.*

- *Regional*

Welsh, R.C., **Jelsone-Swain, L.**, Burkard, D*., & Foerster, B. (2014). Longitudinal change of diffusion tensor in ALS correlated with clinical measure ALSFRS-R. *Poster session presented at the Organization for Human Brain Mapping annual meeting, Hamburg, Germany.*

- *International*

Jelsone-Swain, L., Burkard, D*., & Welsh, R.C. (2013). Mirror neuron function and action understanding in amyotrophic lateral sclerosis: an fMRI study. *Poster session presented at the Organization for Human Brain Mapping annual meeting, Seattle, WA, USA.*

- *International*

Peltier, S., Wiggins, J., **Jelsone-Swain, L.**, Monk, C., Seidler, R., & Welsh, R.C. (2012).

- Support vector classification and prediction of resting-state functional connectivity over the lifespan. *Poster session presented at the 3rd biennial conference on Resting State Connectivity, Magdeburg, Germany.*
- *International*
- Chapman, M.C., **Jelsone-Swain, L.**, & Welsh, R.C. (2012). White matter degeneration in ALS: A multimodal study of interhemispheric connectivity. *ePoster session presented at the International Society for Magnetic Resonance in Medicine annual meeting, Melbourne, Australia.*
- *International*
- Jelsone-Swain, L.**, Persad, C., Modi, P*, Hammers, D*, & Welsh, R.C. (2011). Language network changes during rest and covert verb-generation in amyotrophic lateral sclerosis. *Poster session presented at the Organization for Human Brain Mapping annual meeting, Quebec, Canada.*
- *International*
- Welsh, R.C., **Jelsone-Swain, L.**, Schoepf, V., & Peltier, S.J. (2011). Assessing (fMRI) brain computer interface stability in ALS with support vector machine. *Poster session presented at the International Society for Magnetic Resonance in Medicine annual meeting, Montreal, Canada.*
- *International*
- Jelsone-Swain L.**, Fling B.W., Seidler R.D., Hovatter R., Gruis K., & Welsh R.C. (2010). Interhemispheric motor cortex connectivity in ALS: a longitudinal resting state fMRI study. *Poster session presented at the Organization for Human Brain Mapping annual meeting, Barcelona, Spain.*
- *International*
- Jelsone-Swain, L.**, Davis, B., Bonhilla, L., & Baylis, G.C. (2010). Developmental differences between adolescents and adults during temporal information processing. *Poster session presented at the Organization for Human Brain Mapping annual meeting, Barcelona, Spain.*
- *International*
- Jelsone-Swain L.**, Gruis K., Hovatter, R., Seidler R., Fling B., & Welsh R.C. (2010). Reduced motor network connectivity and cortical thickness during rest in ALS. *Poster session presented at the International Symposium on ALS/MND, Orlando, Florida.*
- *International*
- Jelsone-Swain L.**, Fling B.W., Seidler R.D., Hovatter R., Gruis K., & Welsh R.C. (2010). Longitudinal sensorimotor network changes in early disease stage ALS. *Poster session presented at the Resting State bi-annual meeting, Milwaukee, Wisconsin.*
- *International*

UNDERGRADUATE STUDENTS MENTORED AT USCA (2013 – present)

(Including only students who have participated in independent research or honors enrichment under my direct supervision at USCA.

(Updated June 2024)

131 total independent research credit hours on record

56 independent undergraduate student researchers

14 honor's enrichment students (from which 2 also became independent research students)

3 Aiken Scholar's Academy high school students

2023-2024

Tyler Lei-Ann Robbins (honor's enrichment)

Casey Wojcek

Brenda Gonzalez

Samantha Owens – 298, 1

Finn (Bailey) Napier – 398, 3

Brittany Jones – 298, 1 & 398, 2 & 498, 2

Star Boyd – 398, 3

Nathan Vandergrift – 398, 1

Alexa Carnahan

Rachel Eubanks

Harshi Lodha Jain – 598, 3

Evahnee Sweeney (high school Aiken Scholar's Academy student)

2022 – 2023

Mark Griggs

Jackson Owens

Alisha Pitt

Temia Cokley – 498, 3

Nazeerah Rahman (honor's enrichment)

Alexa Carnahan (honor's enrichment)

Star Boyd

Nathan Vandergrift

Rachel Eubanks

Harshi Lodha Jain

Kai McMullen (high school Aiken Scholar's Academy student)

2021-2022

McKenzie Guest (honor's enrichment)

Emma Spurling (honors' enrichment)

Rachel Eubanks (honor's enrichment)

Molly Gilbreath

Mark Griggs

Harshi Lodha Jain

Jayla Jackson

Kai McMullen (undergraduate Aiken Scholar's Academy student)

2020-2021

Cecelia Thomas

Paula Merida

Molly Gilbreath

Mark Griggs

Lauren Jackson (undergraduate Aiken Scholar's Academy student)

2019-2020

Cam Matthews

Sarah McCommon

Eliya Husid

Brittany Simmons

Brooke Turk

Olivia Burley

Paula Merida

Richard Stoffer

2018-2019

Cara Culpepper

Akari Stolt

Haley Lowe

Asma Almutari

Scott Eyth

Sarah McCommon

Brooke Turk

Eliya Husid

Tyler Thogode

2017-2018

Leonella Salabarria

Matthew Williamson

Mercedes Holmes

Brooke Turk

Paula Merida

Emma Watson

Sierra Howard

Wesley Brison

Rebecca Fanta

Matthew Haslinger

2016-2017

Sheryl Brumbalow

Caleb Brown

Alexis Crique

Katlin Pugh
Kaitlan Hozey
Collin Nettles
Heather Ard
Crystal Richardson
Joy Goodwin
Katrina Kokubon (honor's enrichment)
Jessalyn Brantley (honor's enrichment)
Ashlyn Freeman (honor's enrichment)

2015-2016

Jasmine Elam
Ifeoluwa Ekundayo – co-mentored with Dr. Keri Weed
Jessica Gagnon – co-mentored with Dr. Keri Weed
Barbara Hall – co-mentored with Dr. Keri Weed

2014-2015

Mikayla Bledsoe
Dara Timmerman
Jazmine Benjamin
Amaura Brandt (honor's enrichment)
Micah Hurtt (honor's enrichment)
Tiana Chandler (honor's enrichment)

2013-2014

Emmanuella Otoban
Erin McCaughlin (honor's enrichment)
Brianna Snelling (honor's enrichment)

GRADUATE STUDENTS MENTORED AT USCA (2013 – present)

(Students in bold indicate theses I chaired)

16 thesis chairs
9 thesis committees
3 advanced independent study students

2024

Bailey Shea, advanced independent study (699) **mentor**, 1

2023-2024

Damoni Berry, advanced independent study (699) **mentor**, 3

2022-2023

Chayse Stevens, advanced independent study (699) **mentor**, 3

2021-2022

Jessalin Good, **thesis chair**, 799 defended fall 2021
Michael Settapani, **thesis chair**, 799 defended summer 2022
Monica Epps, thesis committee member, defended summer 2022
Jefferson Bass, **thesis chair**, 798

2020-2021

Liz Lombardo, thesis committee member, defended fall 2020
Samantha Peka, thesis committee member, defended summer 2020
Jessalin Good, **thesis chair**, 798 & 799
Michael Settapani, **thesis chair**, 798
Jefferson Bass, **thesis chair**, 798
Charlotte Daniels, **thesis chair**, 798 (changed research focus)

2019 – 2020

Destiny Willis (Chandler), **thesis chair**, 799, defended spring 2020
Kylie Jupp, **thesis chair**, 798 & 799, defended summer 2020
Oliver Finnie, **thesis chair**, 798
Diamond Pilgrim, **thesis chair**, 798 (changed research focus the following year)
Karli Kolsut, thesis committee member, defended summer 2020
Liz Lombardo, thesis committee member
Samantha Peka, thesis committee member

2018-2019

Jonathan Burton, **thesis chair**, 799, defended fall 2018
Jessica Morrison, **thesis chair**, 799, defended spring 2019
Jordan Cox, thesis committee member, defended summer 2019
Destiny Willis (Chandler), **thesis chair**, 798 & 799
Kylie Jupp, **thesis chair**, 798

2017-2018

Brigitte Cuonzo, **thesis chair**, 799, * defended spring 2018
Ty'Keyana Mickles, **thesis chair**, 798 & 799, * defended summer 2018
Jessica Morrison, **thesis chair**, 799
Jonathan Burton, **thesis chair**, 798 & 799
Jordan Cox, thesis committee member

2016-2017

Kirsten Shirley, **thesis chair**, 799, * defended spring 2017
Brigitte Cuonzo, **thesis chair**, 798 & 799
Jessica Morrison, **thesis chair**, 798 & 799
Ty'Keyana Mickles, **thesis chair**, 798

2015-2016

Sarah Flemming, thesis committee member, * defended fall 2015
Katie Wolven, thesis committee member, * defended spring 2016
Matthew Tyra, **thesis chair**, 799, * defended summer 2016

Kirsten Shirley, **thesis chair**, 798 & 799
Brigitte Cuonzo, **thesis chair**, 798

2014-2015

David Westmark, **thesis chair**, 799, *defended spring 2015
Jamie Parsons, **thesis chair**, 798, transferred
Katie Wolven, thesis committee member, 798 & 799
Sarah Flemming, thesis committee member, 798 & 799

2013-2014

David Westmark, **thesis chair**, 798 & 799

