

SPENCER W. LIEBEL, Ph.D.
CURRICULUM VITAE

CONTACT INFORMATION

Traumatic Brain Injury & Concussion Center
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EDUCATION

01/2009 – 12/2012	<i>B.S.</i> , Psychology (Spanish minor), Brigham Young University, Provo, UT
08/2013 – 05/2017	<i>M.S.</i> , Clinical Psychology, neuropsychology emphasis, University of Georgia, Athens, GA
06/2017 – 12/2019	<i>Ph.D.</i> , Clinical Psychology, neuropsychology emphasis, University of Georgia, Athens, GA
08/2018 – 08/2019	<i>Clinical Psychology Predoctoral Internship</i> , neuropsychology emphasis, Clement J. Zablocki VA Medical Center, Milwaukee, WI
09/2019 – 08/2021	<i>Clinical Neuropsychology Postdoctoral Fellowship</i> , University of Michigan Health System-VA Ann Arbor Healthcare System Consortium in Clinical Neuropsychology, Ann Arbor, MI

CURRENT LICENSES

6/2021 – Present	Clinical Psychologist—Utah License Number: 7615273-2501
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APPOINTMENTS

08/2021 – Present	Assistant Professor (tenure track), Department of Neurology, University of Utah, Salt Lake City, UT
08/2021 – Present	Research Health Scientist, George E. Wahlen VA Medical Center, Salt Lake City, UT
03/2022 – Present	Team Neuropsychologist, Real Salt Lake, Major League Soccer

- 7/2022 – Present Adjunct Assistant Professor, Department of Psychology, Salt Lake Community College, Salt Lake City, UT
- 1/2023 – Present Team Neuropsychologist, Salt Lake Bees, Minor League Baseball
- 4/2023 – Present Research Group Leader, ENIGMA-Sports

HONORS & AWARDS

- 2023-2024 Scholar, Vice President's Clinical & Translational (VPCAT) Research Scholars Program, University of Utah
- 2022 IDEAL Committee Funding Program, Department of Neurology, University of Utah
- 2020 Making A Difference Award, Department of Psychiatry Diversity, Equity, & Inclusion Committee, University of Michigan
- 2017 Travel Award, Office of the Vice President for Research, University of Georgia
- 2016 2nd place, student poster competition, annual meeting of Georgia Psychological Association
- 2016 3rd place, student poster competition, annual meeting of Georgia Psychological Association
- 2016 Outstanding Teaching Assistant Award, Office of the Vice President for Instruction, University of Georgia
- 2016 Travel Award, Regents' Center for Learning Disorders, University of Georgia
- 2015 Travel Award, Paul D. Coverdell Neuroimaging Franklin Foundation Scholars Program, University of Georgia
- 2015 Travel Award, Office of the Vice President for Research, University of Georgia
- 2015 National Science Foundation Travel Award, University of Georgia
- 2014 National Science Foundation Travel Award, University of Georgia
- 2012 Travel Award, Mary Lou Fulton Chair in the College of Family, Home, and Social Sciences, Brigham Young University
- 2012 2nd place, student poster competition, annual Mentored Student Research Conference by the Mary Lou Fulton Chair, Brigham Young University

FUNDING

Active Grants

NeuroPace RNS System Rahimpour (PI) 11/01/2022-Present
RNS System Responsive Thalamic Stimulation for Primary Generalized Seizures Study (NAUTILUS Study)
Role: Co-Investigator

VA Wilde (PI) 12/01/2021-Present
Clinical Health Imaging Portability Standards (CHIPS): Stability Across Scanner Models and Sites
Role: Co-Investigator

VA-DoD Wilde (PI) 12/01/2021-Present
Long-Term Impact of Military-Relevant Brain Injury Consortium (LIMBIC) Neuroimaging Core and Novel Neuroimaging Study
Role: Co-Investigator

Past Grants

Clinical Neuroscience Laboratory, Department of Psychology, University of Georgia
Role: Graduate Research Assistant
Dates: 2013-2018

Regents' Center for Learning Disorders, University of Georgia
Role: Graduate Clinical and Research Assistant
Dates: 2017-2018

Regents' Center for Learning Disorder, University of Georgia
Role: Graduate Research Assistant
Dates: 2015-2016

Brigham Young University Liebel (PI) 2011-2012
Negative Affect in Individuals with Moderate-to-Severe Traumatic Brain Injury: Implications for Acquiring New Learning
Role: Principal Investigator

Contracts

Biogen MA, Inc. Foster (PI) 10/01/2021-10/1/2022
Biogen 221AD304: Phase 3b Open-Label, Multicenter, Safety Study of BIIB037 (aducanumab) in Subjects with Alzheimer's Disease Who Had Previously Participated in the Aducanumab Studies 221AD103, 221AD301, 221AD302, and 221AD205
Role: Co-Investigator

Athira Pharma, Inc.	Foster (PI)	10/01/2021-10/1/2022
<i>A Randomized, Placebo-Controlled, Double-Blind Study of ATH-1017 Treatment in Subjects with Mild to Moderate Alzheimer's Disease</i>		
Role:	Co-Investigator	

PEER-REVIEWED JOURNAL ARTICLES

19. Garcia, G-G. P., Czerniak, L. L., Lavieri, M. S., **Liebel, S. W.**, Van Pelt, K. L., Pasquina, P. F., McAllister, T. W., McCrea, M. A., & Broglio, S. P. (2023). Estimating the relationship between the symptom-free waiting period and injury rates after return-to-play from concussion: A simulation analysis using CARE Consortium data. *Sports Medicine*. doi:10.1007/s40279-023-01901-5
18. Broglio, S. P., **Liebel, S. W.**, Zhou, W., Li, C., Pasquina, P., McAllister, T., McCrea, M. A., & Jaroslaw, H. (2023). Time to recovery as measured on clinical assessments after sport-related concussion. *New England Journal of Medicine*, 388(18), 1717-1719. doi:10.1056/NEJMc2301706
17. **Liebel, S. W.**, Turner, C. G., Svirsko, A. C., Garcia, G-G. P., Pasquina, P. F., McAllister, T. W., McCrea, M. A., & Broglio, S. P. (2023). Temporal network architectures of neurocognitive functioning and psychological symptoms in collegiate athletes following concussion. *Journal of Neurotrauma*. doi:10.1089/neu.2022.0431
16. Czerniak, L. L., **Liebel, S. W.**, Zhou, H., Garcia, G-G. P., Lavieri, M. S., McCrea, M. A., McAllister, T. W., & Broglio, S. P. (2022). Sensitivity and specificity of the ImPACT neurocognitive test in collegiate athletes and United States military cadets with ADHD and/or LD with sport-related concussion: Findings from the NCAA-DoD CARE Consortium. *Sports Medicine*, 53(3), 747-759. doi:10.1007/s40279-022-01768-y
15. Garcia, G-G. P., Czerniak, L. L., Lavieri, M. S., **Liebel, S. W.**, McCrea, M. A., McAllister, T. W., Pasquina, P. F., Broglio, S. P., & CARE Consortium Investigators. (2022). Simulation-optimization to distinguish optimal symptom-free waiting period for return-to-play decisions in sport-related concussion. *Winter Simulation Conference (WSC), Singapore*. doi:10.1109/WSC57314.2022.10015285
14. Chesney, S. A., Shepard, S. J., Larsen, S. E., Fuller, S., & **Liebel, S. W.** (2021). Program evaluation of an integrated treatment approach to group CPT in VA residential treatment. *Journal of Aggression, Maltreatment & Trauma*, 31(3), 410-424. doi:10.1080/10926771.2021.1994497
13. **Liebel, S. W.**, Edwards, K. A. M., & Broglio, S. P. (2021). Sensation-seeking and impulsivity in athletes with sport-related concussion. *Current Psychiatry Reports*, 23(15). doi:10.1007/s11920-021-01232-0
12. Fruehauf, L. M., Fair, J. E., **Liebel, S. W.**, Bjornn, D., & Larson, M. J. (2021). Cognitive control in obsessive-compulsive disorder (OCD): Proactive control adjustments or

- consistent performance? *Psychiatry Research*, 298(113809), 1-9.
doi:10.1016/j.psychres.2021.113809
11. Czerniak, L. L., **Liebel, S. W.**, Garcia, G-G. P., Lavieri, M. S., McCrea, M. A., McAllister, T., & Broglio, S. P. (2021). Sensitivity and specificity of computer-based neurocognitive tests in sport-related concussion: Findings from the NCAA-DoD CARE Consortium. *Sports Medicine*, 51(2), 351-365. doi:10.1007/s40279-020-01393-7
 10. **Liebel, S. W.**, Van Pelt, K. L., Garcia, G-G. P., Czerniak, L. L., McCrea, M. A., McAllister, T. W., & Broglio, S. P. (2020). The relationship between sport-related concussion and sensation-seeking. *International Journal of Molecular Sciences*, 21(23), 9097. doi:10.3390/ijms21239097
 9. Hallowell, E. S., Oshri, A., **Liebel, S. W.**, Liu, S., Duda, B., Clark, U. S., & Sweet, L. H. (2019). The mediating role of neural activity on the relationship between childhood maltreatment and impulsivity. *Child Maltreatment*, 24(4), 389-399. doi:10.1177/1077559519835975
 8. Jones, E. C., **Liebel, S. W.**, Hallowell, E. S., & Sweet, L. H. (2019). Insula thickness asymmetry relates to risk of major depressive disorder in middle-aged to older-adults. *Psychiatry Research: Neuroimaging*, 283, 113-117. doi:10.1016/j.pscychresns.2018.12.011
 7. **Liebel, S. W.**, & Sweet, L. H. (2019). Effects of cardiovascular disease and related risk factors on neurocognition. In R. A. Stern & M. L. Alosco (Eds.), *The Oxford Handbook of Adult Cognitive Disorders* (pp. 84-116). New York, NY: Oxford University Press.
 6. Nelson, J. M., & **Liebel, S. W.** (2018). Anxiety and depression among college students with attention-deficit/hyperactivity disorder (ADHD): Cross-informant, sex, and subtype differences. *Journal of American College Health*, 66(2), 123-132. doi:10.1080/07448481.2017.1382499
 5. Nelson, J. M., & **Liebel, S. W.** (2017). Socially desirable responding and college students with dyslexia: Implications for the assessment of anxiety and depression. *Dyslexia*, 24(1), 44-58. doi:10.1002/dys.1563
 4. **Liebel, S. W.**, & Nelson, J. M. (2017). Auditory and visual working memory functioning in college students with attention-deficit/hyperactivity disorder and/or learning disabilities. *Archives of Clinical Neuropsychology*, 32(8), 980-991. doi:10.1093/arclin/acx014
 3. **Liebel, S. W.**, Jones, E. C., Oshri, A., Hallowell, E. S., Jerskey, B. A., Gunstad, J., & Sweet, L. H. (2017). Cognitive processing speed mediates the effects of cardiovascular disease on executive functioning. *Neuropsychology*, 31(1), 44-51. doi:10.1037/neu0000324
 2. **Liebel, S. W.**, Clark, U. S., Xu, X., Riskin-Jones, H. H., Hawkshead, B. E., Schwarz, N. F., . . . Sweet, L. H. (2015). An fMRI-compatible Symbol Search task. *Journal of the*

International Neuropsychological Society, 21(3), 231-238.
doi:10.1017/S1355617715000144

1. **Liebel, S. W.**, Tillman, S. J., Hoose, E. M., Andelin, B. Z., & Reber, J. S. (2012). A pilot investigation of the role of implicit assumptions in the therapeutic relationship: Implications and points of conflict. *The American Association of Behavioral and Social Sciences Journal*, 16, 66-85.

Manuscripts Under Peer-Review

7. **Liebel, S. W.**, Van Pelt, K. L., Pasquina, P. F., McAllister, T. W., McCrea, M. A., & Broglio, S. P. Sport-specific recovery trajectories for NCAA collegiate athletes following concussion. *Annals of Biomedical Engineering*.
6. Kennedy, E, Vadlamani, S., Lindsey, H. M., Lei, P-W., Jo-Pugh, M., Adamson, M. . . . **Liebel, S. W.** . . . Wilde, E. A. Bridging big data: Procedures for combining non-equivalent cognitive measures from the ENIGMA Consortium. *Behavior Research Methods*.
5. **Liebel, S. W.**, Johnson, P. K., Lindsey, H. M., Larson, M. J., Esopenko, C., Hovenden, E. S. . . Tate, D. F. Preliminary treatment effects of transcranial photobiomodulation on neurocognitive functioning following repetitive head acceleration events. *Journal of the International Neuropsychological Society*.
4. Johnson, P. K., Fino, P. C., Hovenden, E. S., Russell, H. A., Velez, C., . . . **Liebel, S. W.**, . . . Wilde, E. A. The effect of transcranial and intranasal photobiomodulation on individuals exposed to repetitive head acceleration events. *Brain Injury*.
3. Caeyenberghs, K., Irimia, A., Monti, M. M., Imms, P., Esopenko, C., de Souza, N. L . . . **Liebel, S. W.**, . . . Hillary, F. G. ENIGMA's simple seven: Recommendations to enhance the reproducibility of resting-state fMRI in traumatic brain injury. *Neuroimage: Clinical*.
2. Kennedy, E, Vadlamani, S., Lindsey, H. M., Lei, P-W., Jo-Pugh, M., Adamson, M. . . . **Liebel, S. W.** . . . Wilde, E. A. Linking symptom inventories using semantic textual similarity. *Nature Digital Medicine*.
1. Crofts, R., Morris, A. J., Quammen, D. L., Petersel, T. L., **Liebel, S. W.**, Podlog, L., & Fino, P. C. Confidence to return to play after concussion. *Journal of Sport and Health Science*.

OTHER PUBLISHED WORKS

1. *Opinion Letter*. Treating Alzheimer's: A new era begins with lecanemab. *JAMA*.

REFEERED ABSTRACTS & POSTERS

40. **Liebel, S. W.**, Breedlove, K. M., Broglio, S. P., Eckner, J. T., McCrea, M. A., Brett, B. L., McAllister, T. W., & CARE Consortium Investigators. (2023, February). Consistency of self-reported sport-related concussion history. Poster presented at the 51st annual meeting of the International Neuropsychological Society, San Diego, CA.

39. Johnson, P. K., Lindsey, H. M., Esopenko, C., Newsome, M. R., Keleher, F., Hovenden, E. S., Fino, P., Morris, A., Kreter, N., Guderian, T., Russell, H. A., Thayn, D., Velez, C., Mullen, C. M., Larson, M. J., **Liebel, S. W.**, . . . Wilde, E. A. (2023, March). Effects of photobiomodulation treatment on motor performance and underlying resting state functional connectivity of the cerebellum in adults with a history of repetitive head impacts: A feasibility study. Poster presented at the 14th World Congress on Brain Injury, Dublin, Ireland.

38. Lindsey, H. M., Esopenko, C., Johnson, P. K., Newsome, M. R., Tate, D. F., Keleher, F., **Liebel, S. W.**, . . . Wilde, E. A. (2023, March). A feasibility study for the use of photobiomodulation to improve psychological health through alterations in resting state functional connectivity in adults with a history of repetitive head impacts. Poster presented at the 14th World Congress on Brain Injury, organized by the International Brain Injury Association, Dublin, Ireland.

37. Esopenko, C., Lindsey, H. M., Johnson, P. K., Newsome, M. R., **Liebel, S. W.**, Keleher, F., . . . Tate, D. F. (2023, March). Effects of photobiomodulation treatment on cognitive function and underlying resting state functional connectivity in adults with a history of repetitive head impacts: A feasibility study. Poster presented at the 14th World Congress on Brain Injury, Dublin, Ireland.

36. Keleher, F., Esopenko, C., Lindsey, H. M., Newsome, M. R., Johnson, P. K., Guderian, T., **Liebel, S. W.**, . . . Wilde, E. A. (2023, March). A feasibility study for the use of photobiomodulation therapy to improve cognitive function in relation to resting-state functional connectivity of the cerebellum in adults with a history of repetitive head impact. Poster presented at the 14th World Congress on Brain Injury, Dublin, Ireland.

35. **Liebel, S. W.**, Johnson, P. K., Lindsey, H. M., Larson, M. J., Esopenko, C., Hovenden, E. S., Russell, H. A., Velez, C., Mullen, C. M., Carr, L. S., Wilde, E. A., & Tate, D. F. (2023, February). Neurocognitive functioning improves in former athletes with sport-related concussion and repetitive head hits following transcranial photobiomodulation treatment. Poster presented at the 51st annual meeting of the International Neuropsychological Society, San Diego, CA.

34. **Liebel, S. W.**, Johnson, P. K., Lindsey, H. M., Russell, H. A., Hovenden, E. S., Velez, C., Carr, L. S., Wilde, E. A., & Tate, D. F. (2022, April). Transcranial photobiomodulation treatment effects in former athletes with repetitive head hits. Poster presented at the 10th Annual Symposium of the Sports Neuropsychology Society, Dallas, TX. *Archives of Clinical Neuropsychology*, acac32.25. doi:10.1093/arclin/acac32.25

33. **Liebel, S. W.**, Van Pelt, K. L., Garcia, G-G. P., Czerniak, L. L., McCrea, M. A., McAllister, T., & Broglio, S. P. (2021, February). Sensation-seeking is associated with sport-related concussion risk and incidence and sport contact level in collegiate athletes. Poster presented at the 49th annual meeting of the International Neuropsychological Society (virtual), San Diego, CA.
32. Czerniak, L. L., **Liebel, S. W.**, Garcia, G-G. P., Lavieri, M. S., McCrea, M. A., McAllister, T., & Broglio, S. P. (2020, November). Characterizing the accuracy of computer-based neurocognitive tests in sport-related concussion. Poster presented at the INFORMS annual meeting, National Harbor, MD.
31. Czerniak, L. L., **Liebel, S. W.**, Garcia, G-G. P., Lavieri, M. S., McCrea, M. A., McAllister, T., & Broglio, S. P. (2020, November). Sensitivity and specificity of computer-based neurocognitive assessments in sport-related concussion. Poster presented at the 10th annual meeting of the Traumatic Brain Injury Conference, Washington, D.C.
30. Shepard, S. J., Chesney, S., Melka, S., Fuller, S., **Liebel, S. W.**, & Larsen, S. E. (2019, November). Group CPT in a VA residential program: Which format works best? Poster presented at the annual meeting of the International Society for Traumatic Stress Studies, Boston, MA.
29. **Liebel, S. W.**, Weiss, B., Carter, N. T., Midden, A. J., Harfmann, E. J., Hallowell, E. S., & Sweet, L. H. (2019, June). Aspects of neuroticism and openness predict processing speed and working memory functioning. Poster presented at the annual meeting of the American Academy of Clinical Neuropsychology, Chicago, IL.
28. Harfmann, E. J., Rensberger, J. K., Parker, H. A., **Liebel, S. W.**, Yacub Martin, J., & Vos, L. (2019, June). Improving chronic stroke care: The role of neuropsychology in the development of a Veterans Affairs interdisciplinary team setting. Poster presented at the annual meeting of the American Academy of Clinical Neuropsychology, Chicago, IL.
27. Fruehauf, L. M., Fair, J. E., **Liebel, S. W.**, Bjornn, D., & Larson, M. J. (2019, February). An assessment of context maintenance in obsessive-compulsive disorder. Poster presented at the 47th annual meeting of the International Neuropsychological Society, New York City, NY.
26. Metcalf, D. M., **Liebel, S. W.**, Owens, M. M., & Sweet, L. H. (2018, May). Cognitive processing speed and white matter volume effects on working memory performance. Poster presented at the 30th annual meeting of the Association for Psychological Science, San Francisco, CA.
25. Hawkshead, B. E., Hallowell, E. S., **Liebel, S. W.**, & Sweet, L. H. (2018, February). Hormonal effects on cognition in oral contraceptive users and naturally-cycling women. Poster presented at the 46th annual meeting of the International Neuropsychological Society, Washington D.C.

24. Jones, E. C., **Liebel, S. W.**, & Sweet, L. H. (2017, March). Influence of insula thickness in predicting depressive symptoms. Poster presented at the annual meeting of the Georgia Psychological Association, Atlanta, GA.
23. **Liebel, S. W.**, Hallowell, E. S., Oshri, A., Jones, E. C., Gunstad, J., Cohen, R. A., & Sweet, L. H. (2017, February). Executive functioning ability is better predicted by cognitive processing speed than by white matter hyperintensities or age. Poster presented at the 45th annual meeting of the International Neuropsychological Society, New Orleans, LA.
22. Hallowell, E. S., McMains, J. T., **Liebel, S. W.**, Duda, B. M, Clark, U. S., Xu, X., . . . Sweet, L. H. (2017, February). The effects of severity of cigarette smoking and early life stress on affect. Poster presented at the 45th annual meeting of the International Neuropsychological Society, New Orleans, LA.
21. Jones, E. C., **Liebel, S. W.**, Rapoport, M. A., & Sweet, L. H. (2016, August). Cognitive processing speed mediates the effects of age on executive functioning in older adults. Poster presented at the American Psychological Association Annual Convention, Denver, CO.
20. Nelson, J. M., & **Liebel, S. W.** (2016, June). Anxiety and depression among college students with learning disabilities: Cross-informant agreement and “faking good.” Poster presented at the annual meeting of the Postsecondary Disability Training Institute, Philadelphia, PA.
19. **Liebel, S. W.**, & Nelson, J. M. (2016, April). Working memory abilities of college students with ADHD. Poster presented at the annual meeting of the Georgia Psychological Association, Augusta, GA.
18. Pinzone, C. A., **Liebel, S. W.**, & O’Toole, K. (2016, April). The neuropsychological profiles and academic abilities of children with hypothalamic hamartomas. Poster presented at the annual meeting of the Georgia Psychological Association, Augusta, GA.
17. **Liebel, S. W.**, Bryant, S. J., & Sweet, L. H. (2016, February). Cognitive processing speed mediates the relationship between age and executive functions in cardiovascular disease. Poster presented at the 44th annual meeting of the International Neuropsychological Society, Boston, MA.
16. **Liebel, S. W.**, & Nelson, J. M. (2016, February). Auditory and visual working memory in college students with ADHD. Poster presented at the 44th annual meeting of the International Neuropsychological Society, Boston, MA.
15. Nelson, J. M., & **Liebel, S. W.** (2016, February). ADHD symptoms among college students: Cross-informant agreement, intra-informant agreement, and relationships with neuropsychological functioning. Poster presented at the 44th annual meeting of the International Neuropsychological Society, Boston, MA.

14. **Liebel, S. W.**, Clark, U. S., Xu, X., McMains, J. T., Riskin-Jones, H. H., Hawkshead, B. E., . . . Sweet, L. H. (2015, February). Evaluating the reliability and construct validity of an fMRI-compatible Symbol Search task. Poster presented at the 43rd annual meeting of the International Neuropsychological Society, Denver, CO.
13. Hawkshead, B. E., Bryant, S. J., Schwarz, N. F., Duda, B. M., **Liebel, S. W.**, MacKillop, J., & Sweet, L. H. (2015, February). Neurocognitive markers of relapse risk assessed using fMRI. Poster presented at the 43rd annual meeting of the International Neuropsychological Society, Denver, CO.
12. Fair, J. E., **Liebel, S. W.**, Bjornn, D. K., & Larson, M. J. (2015, February). Errorless and errorful learning in moderate-to-severe TBI: The impact of neuropsychological functioning and mood on performance. Poster presented at the 43rd annual meeting of the International Neuropsychological Society, Denver, CO.
11. Hawkshead, B. E., **Liebel, S. W.**, Schwarz, N. F., & Sweet, L. H. (2014, November). Working memory and fMRI correlates of smoking cessation treatment outcome. Poster presented at the 34th annual meeting of the National Academy of Neuropsychology, Fajardo, Puerto Rico.
10. Schwarz, N. F., Lukemire, J. D., Clark, U. S., Riskin-Jones, H., Xu, X., Labbe, D., Hawkshead, B. E., **Liebel, S. W.**, & Sweet, L. H. (2014, November). Cerebrovascular reactivity and cardiovascular disease in older adult: Results from an fMRI breath-hold hypercapnia task. Poster presented at the 44th annual meeting of the Society for Neuroscience, Washington D. C.
9. Bjornn, D. K., Fair, J. E., **Liebel, S. W.**, Hill, K. R., & Larson, M. J. (2014, September). Neural correlates of errorless and errorful learning in moderate-to-severe TBI: ERN and Pe amplitudes. Poster presented at the 54th annual meeting of the Society for Psychophysiological Research, Atlanta, GA.
8. Schwarz, N. F., Lukemire, J. D., **Liebel, S. W.**, Hawkshead, B. E., & Sweet, L. H. (2014, June). Hypercapnia calibration of BOLD fMRI response reveals improved relationship to task performance. Poster presented at the 20th annual meeting of the Organization for Human Brain Mapping, Hamburg, Germany.
7. Sweet, L. H., Schwarz, N. F., Hawkshead, B. E., **Liebel, S. W.**, & Lukemire, J. D. (2014, February). Attenuation of default network processing during working memory. Poster presented at the Southeastern Conference MRI/fMRI Collaborative Mini-Conference, Athens, GA.
6. MacKillop, J., Murphy, C., Gray, J., Acker, J., Schwarz, N. F., Hawkshead, B. E., **Liebel, S. W.**, . . . Sweet, L. H. (2014, February). Functional MRI biomarkers as translational predictors of smoking cessation treatment response. Poster presented at the Southeastern Conference MRI/fMRI Collaborative Mini-Conference, Athens, GA.

5. MacKillop, J., Murphy, C., Gray, J., Acker, J., Schwarz, N. F., Hawkshead, B. E., **Liebel, S. W.**, . . . Sweet, L. H. (2014, February). fMRI biomarkers as translational predictors of smoking cessation treatment response. Poster presented at the Collaborative Perspectives on Addiction Conference, Atlanta, GA.
4. Fair, J. E., Bjornn, D. K., **Liebel, S. W.**, & Larson, M. J. (2014, February). A controlled study comparing errorless and errorful learning in moderate-to-severe TBI. Poster presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.
3. **Liebel, S. W.**, Bjornn, D. K., Fair, J. E., & Larson, M. J. (2013, February). The roles of positive and negative affect on cognitive rehabilitation after moderate-to-severe traumatic brain injury. Poster presented at the 41st annual meeting of the International Neuropsychological Society, Waikola, HI.
2. **Liebel, S. W.**, Fair, J. E., & Larson, M. J. (2012, April). How does negative affect impact cognitive rehabilitation after traumatic brain injury? Poster presented at the annual Mentored Student Research Conference by the Mary Lou Fulton Chair, Brigham Young University, Provo, UT.
1. Fair, J. E., **Liebel, S. W.**, Bjornn, D. K., & Larson, M. J. (2012, February). OCD and cognitive control: Electrophysiological and behavioral markers of regulative and evaluative control. Poster presented at the 40th annual meeting of the International Neuropsychological Society, Montréal, QC, Canada.

INVITED PRESENTATIONS/PAPERS

14. **Liebel, S. W.** (2023, June). *Recovery as Measured on Clinical Assessments after Sport-Related Concussion*. Neuropsychology Case Conference/Teaching Rounds, Department of Physical Medicine & Rehabilitation, University of Utah School of Medicine, Salt Lake City, UT.
13. **Liebel, S. W.** (2023, April). *Clinical Assessments Recovery after Sport-Related Concussion*. Grand Rounds, Department of Neurology, University of Utah School of Medicine, Salt Lake City, UT.
12. **Liebel, S. W.** (2022, December). *Neuropsychological evaluation of a patient with frontal lobe epilepsy*. Case Conference/Teaching Rounds, Clinical Neuropsychology Postdoctoral Fellowship, University of Michigan Medicine, MI.
11. Turner, C. G., Svirsko, A. C., Garcia, G-G. P., Pasquina, P. F., McAllister, T. W., McCrea, M. A., Broglio, S. P., & **Liebel, S. W.** (2022, October). *Analyzing changes in neurocognitive functions and psychological symptoms in sport-related concussion patients*. Paper will be presented at the INFORMS Annual Meeting, Indianapolis, IN.

10. Garcia, G-G. P., Czerniak, L. L., Lavieri, M. S., **Liebel, S. W.**, McCrea, M. A., McAllister, T. W., Pasquina, P. F., Broglio, S. P., & CARE Consortium Investigators. (2022, December). *Simulation-optimization to distinguish optimal symptom free waiting period for return-to-play decisions in sport-related concussion*. Paper presented at the Winter Simulation Conference, Singapore.
9. **Liebel, S. W.**, Van Pelt, K. L., McAllister, T. W., McCrea, M. A., & Broglio, S. P. (2022, February). *Sport-by-sport recovery trajectories for NCAA collegiate athletes following concussion*. Paper presented at the annual meeting of the International Neuropsychological Society (virtual), New Orleans, LA.
8. **Liebel, S. W.** (2021, May). *Neuropsychological evaluation of a patient with corticobasal degeneration*. International Case Conference, University of Michigan, Ann Arbor, MI.
7. **Liebel, S. W.** (2021, March). *Sport-related concussion: Clinical detection, outcomes prediction, and recovery monitoring*. Grand Rounds, Department of Neurology, University of Utah School of Medicine, Salt Lake City, UT.
6. **Liebel, S. W.** (2020, February). *Neuropsychological assessment of patients following mild, moderate, and severe traumatic brain injury: Appropriate referrals, expectations, and follow-up*. Grand Rounds, Department of Psychiatry, University of Michigan, Ann Arbor, MI.
5. **Liebel, S. W.** (2020, January). *Effective strategies for graduate school applications and interviewing in psychology*. Diversity, Equity & Inclusion Committee, Department of Psychiatry, University of Michigan, Ann Arbor, MI.
4. Hallowell, E. S., Duprey, E. B., **Liebel, S. W.**, Yu, T., Oshri, A., Brody, G. H., & Sweet, L. H. (2018, July). *The moderating effect of supportive parenting on the relations between poverty and executive functioning in young adulthood*. Paper presented at the annual mid-year meeting of the International Neuropsychological Society, Prague, Czech Republic.
3. **Liebel, S. W.** (2016, October). *Cognitive behavior therapy*. New Medical Residents Workshop, St. Mary's Hospital, Athens, GA.
2. **Liebel, S. W.** (2015, February). *Neuropsychological test administration, scoring, and interpretation*. First Year Clinical Psychology Doctoral Student Proseminar Series, University of Georgia
1. **Liebel, S. W.**, & Tillman, S. J. (2012, February). *The role of implicit assumptions in the therapeutic relationship*. Paper presented at the annual meeting of the American Association of Behavioral and Social Sciences, Las Vegas, NV.

CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Concussion in Sport Group

International Neuropsychological Society
Sports Neuropsychology Society
Utah Psychological Association
Sigma Xi—The Scientific Research Honor Society

SERVICE & LEADERSHIP

2023-Present Educational Coordinator, Division of Neuropsychology, Department of Neurology, University of Utah

2022-Present Member, Education Committee, Sports Neuropsychology Society
- Current head of the Latest & Greatest subcommittee

2022-Present Mentor, International Neuropsychological Society (INS) Mentorship Program

2022 Faculty Facilitator, Interprofessional Education (IPE) Program, University of Utah

2021-Present Mentor, Society for Black Neuropsychology (SBN) Mentorship Program

2020-2021 Postdoc Representative to Neuropsychology Training Committee, University of Michigan Health System-VA Ann Arbor Healthcare System Consortium in Clinical Neuropsychology

2016-2018 ANST Interest Group Student Representative of the University of Georgia

2015-2018 Member, Admissions Committee, Clinical Psychology Doctoral Program, University of Georgia

2013-2018 Mentor, Psychology Undergraduate Mentoring Program, University of Georgia

2017, 2018 Presentations Judge, Annual Psi Chi Convention, University of Georgia

2013-2015 Student Representative to Clinical Psychology Faculty, University of Georgia

AD HOC REVIEWER EXPERIENCE

Brain Imaging and Behavior
Journal of the International Neuropsychological Society
School Psychology Quarterly
Neuropsychology Review
Journal of Neurotrauma
Journal of Athletic Training
Journal of Psychiatric Research
Athletic Training & Sports Health Care
Neuropsychology

Journal of Clinical Medicine
European Journal of Sports Science
Scientific Reports
Archives of Clinical Neuropsychology

MENTORING

Master's Committee Service:

Crofts, Regan M.	Chair: Fino	2022	Kinesiology
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Doctoral Committee Service:

Campos, Whitney	Chair: Rigby	2023	Rehabilitation Science
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PROFESSIONAL TRAINING

1/2023-12/2024	VPCAT Research Scholars Program, University of Utah
Fall 2020	Human Neuroanatomy (Neuro 570), University of Michigan; Instructors: Richard Altschuler, Ph.D., Kelli Sullivan, Ph.D.
11/2019	“Assessing and Managing Suicide Risk (AMSR) for Outpatient Settings,” presented by Cynthia Ewell Foster, Ph.D., University of Michigan
05/2018	“Motivational Interviewing (MI) immersion training for psychologists,” presented by Megan Benoit Ratcliff, Ph.D., Gwinnett Medical Center
07/2017	Python programming language training course, presented by the Georgia Advanced Computing Resource Center, University of Georgia
04/2017	UGA-SBIRT Certification for Health and Behavioral Health Professionals
05/2015	Linux operating system training course, presented by the Georgia Advanced Computing Resource Center, University of Georgia
04/2015	“Brief Behavioral Activation Treatment for Depression (BATD),” presented by Carl W. Lejuez, Ph.D., University of Maryland
10/2014	“Grant Writing Part II: Developing a Winning Concept,” presented by Steven M. Kogan, Ph.D., University of Georgia
06/2014	Analysis of genetic data using Plink and Haploview workshop, presented by Joshua C. Gray, Ph.D., University of Georgia
02/2014	Analysis of Functional NeuroImages (AFNI) training workshop, presented by Nicolette F. Schwarz, Ph.D., University of Georgia

TEACHING ACTIVITIES

Instructor of Record

Fall 2022 PSY 2710: Brain and Behavior, Salt Lake Community College

Lab Instructor

2015, 2017 PSY3990: Research Analysis in Psychology, University of Georgia

Teaching Assistant

2014-2017 PSYC 1101: Elementary Psychology (three semesters, University of Georgia)
PSYC 3230: Abnormal Psychology (one semester, University of Georgia)

2010-2012 Introduction to Psychology (two semesters, Brigham Young University); History
of Psychology (two semesters, Brigham Young University); Psychological
Statistics (one semester, Brigham Young University); Psychological Testing (one
semester, Brigham Young University)

Guest Lecturer

04/2021 SW690: Adulthood and Aging (University of Michigan). “Preservation of
Cognitive Aging.”

10/2017 PSYC 5100H: Honors Seminar in Neurological Disorders (University of
Georgia). “Theory and Purpose of Neuropsychological Assessment in
Neurology.”

05/2017 PSYC 1101: Elementary Psychology (University of Georgia). “Evidence-Based
Treatments for Mental Disorders.”

04/2017 PSYC 3990: Cognitive Neuroscience (University of Georgia). “Methods of
Cognitive Neuroscience.”

11/2016 PSYC 1101: Elementary Psychology (University of Georgia). “Evidence-Based
Treatments for Mental Disorders.”

10/2016 PSYC 3030: Preparing for Careers in Psychology (University of Georgia). “Life
as a Clinical Psychology Graduate Student.”

03/2015 PSYC 1101: Elementary Psychology (University of Georgia). “Early Life
Development, Critical Periods, and Neural Plasticity.”

11/2014 PSYC 3230: Abnormal Psychology (University of Georgia). “Unipolar
Depression and Efficacious Treatment Options.”

10/2014 PSYC 3030: Preparing for Careers in Psychology (University of Georgia). “Life as a Clinical Psychology Graduate Student.”

MEDIA

03/2022 “Dementia and Behavior Changes at Sundown,” University of Utah HealthFeed Blog (<https://healthcare.utah.edu/healthfeed/postings/2022/03/sundowners-syndrome.php>)