

SPENCER W. LIEBEL, Ph.D.
CURRICULUM VITAE

CONTACT INFORMATION

Traumatic Brain Injury & Concussion Center
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EDUCATION

01/2009 – 12/2012 *B.S.*, Psychology (Spanish minor), Brigham Young University, Provo, UT

08/2013 – 05/2017 *M.S.*, Clinical Psychology, neuropsychology emphasis, University of Georgia, Athens, GA

06/2017 – 12/2019 *Ph.D.*, Clinical Psychology, neuropsychology emphasis, University of Georgia, Athens, GA

08/2018 – 08/2019 *Clinical Psychology Predoctoral Internship* (neuropsychology emphasis)
Clement J. Zablocki VA Medical Center, Milwaukee, WI

09/2019 – 08/2021 *Clinical Neuropsychology Postdoctoral Fellowship*, University of Michigan Medicine-VA Ann Arbor Healthcare System Consortium in Clinical Neuropsychology, Ann Arbor, MI

CURRENT LICENSES

Clinical Psychologist, Utah, license #7615273-2501

APPOINTMENTS

08/2021 – Present Assistant Professor (tenure track), Department of Neurology, University of Utah, Salt Lake City, UT

03/2022 – 01/2024 Team Neuropsychologist, Real Salt Lake, Major League Soccer

07/2022 – 08/2023 Adjunct Assistant Professor, Department of Psychology, Salt Lake Community College, Salt Lake City, UT

01/2023 – Present Team Neuropsychologist, Salt Lake Bees, Minor League Baseball

- 05/2024 – Present Team Neuropsychologist, Utah Mammoth, National Hockey League
- 07/2024 – Present Adjunct Assistant Professor, Department of Psychology, University of Utah, Salt Lake City, UT
- 01/2025 – Present Adjunct Assistant Professor, Department of Orthopaedics, University of Utah, Salt Lake City, UT
- 02/2025 – Present Adjunct Assistant Professor, Department of Physical Medical and Rehabilitation, University of Utah, Salt Lake City, UT

HONORS & AWARDS

- 7/2024 – Present Loan Repayment Program (LRP) Award--Clinical Research, NIH-NIA
- 7/2023 – 6/2025 Fellow, Network for Excellence in Neuroscience Clinical Trials (NeuroNEXT), NIH-NINDS
- 2023 – 2025 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

RNS System Responsive Thalamic Stimulation for Primary Generalized Seizures Study (NAUTILUS Study)

Rahimpour (PI), Role: sub-investigator

11/2022-Present

1R01HL164715-01A1

Endometriosis Diagnosis and Subtypes, Reproductive History, and Cardiovascular Disease

Schliep (PI), Role: co-investigator

3/2024-Present

Research Instrumentation Fund (RIF) Award, VPR Office, University of Utah

Magnetic Resonance Elastography Driver

Liebel & Monson, Role: co-primary investigator

3/2024-3/2026

A First-in-Human (FIH) Study of Inhibitory Interneurons (NRTX-1001) in Drug-Resistant Unilateral Mesial Temporal Lobe Epilepsy (MTLE)

Arain (PI), Role: sub-investigator

9/2025-Present

Past Grants

Clinical Health Imaging Portability Standards (CHIPS): Stability Across Scanner Models and Sites

Wilde (PI), Role: co-investigator

12/2021-10/2024

I01RX00344

VA-DoD Long-Term Impact of Military Relevant Brain Injury Consortium (LIMBIC) Neuroimaging Core

Wilde (PI), Role: co-investigator

12/2021-10/2024

PEER-REVIEWED JOURNAL ARTICLES

28. Keleher, F., Esopenko, C., Lindsey, H. M., Newsome, M. R., Johnson, P. K., Jain, D., . . . **Liebel, S. W.**, . . . Wilde, E. A. (In Press). Improvements in resting-state functional connectivity of the cerebellum following transcranial photobiomodulation in adults with a history of repetitive head acceleration events. *Photobiomodulation, Photomedicine, and Laser Surgery*.
27. **Liebel, S. W.**, Johnson, P. K., Lindsey, H. M., Larson, M. J., Esopenko, C., Hovenden, E. S., . . . Tate, D. F. A proof-of-concept study investigating the effects of transcranial plus intranasal photobiomodulation on cognitive function after repetitive head acceleration events. (2025). *Photobiomodulation, Photomedicine, and Laser Surgery*.
26. Czerniak, L. L., Garcia, G-G. P., Genthe, M. W., Xia, Y., Lavieri, M. S., McCrea, M. A. . . . **Liebel, S. W.**, & Broglio, S. P. (In press). Prediction of symptom burden, cognitive status, and risk of psychological distress in NCAA athletes with sport-related concussion(s): Findings from the NCAA-DoD CARE Consortium. *Annals of Biomedical Engineering*.
25. Kennedy, E., Vadlamani, S., Lindsey, H. M., Lei, P-W., Jo-Pugh, M., Adamson, M. **Liebel, S. W.** . . . Wilde, E. A. (2025). Linking symptom inventories using semantic textual similarity. *Journal of Neurotrauma*, 42, 1008-1020. doi:10.1089/neu.2024.0301
24. Crofts, R., Morris, A. J., Quammen, D. L., Petersell, T. L., **Liebel, S. W.**, Podlog, L., & Fino, P. C. (2024). Confidence to return to play after concussion. *Journal of Sport Rehabilitation*. doi:10.1123/jsr.2023-0383
23. Kennedy, E., **Liebel, S. W.**, Lindsey, H. M., Vadlamani, S., Lei, P-W., Adamson, M. M. . . . Dennis, E. L. (2024). Verbal learning and memory deficits across neurological and neuropsychiatric disorders: Insights from an ENIGMA mega analysis. *Brain Sciences*, 14(7), 669. doi:10.3390/brainsci14070669
22. Johnson, P. K., Fino, P. C., Wilde, E. A., Hovenden, E. S., Russell, H. A., Velez, C., . . . **Liebel, S. W.**, . . . Tate, D. F. (2024). The effect of intranasal plus transcranial photobiomodulation on neuromuscular control in individuals with repetitive head acceleration events. *Photobiomodulation, Photomedicine, and Laser Surgery*. doi:10.1089/pho.2023.0178
21. Caeyenberghs, K., Imms, P., Irimia, A., Monti, M. M., Esopenko, C., de Souza, N. L . . . **Liebel, S. W.**, . . . Hillary, F. G. (2024). ENIGMA's simple seven: Recommendations to enhance the reproducibility of resting-state fMRI in traumatic brain injury. *NeuroImage: Clinical*, 42(103585). doi:10.1016/j.nicl.2024.103585
20. **Liebel, S. W.**, Van Pelt, K. L., Pasquina, P. F., McAllister, T. W., McCrea, M. A., & Broglio, S. P. (2023). Sport-specific recovery trajectories for NCAA collegiate athletes

- following concussion. *Annals of Biomedical Engineering*. doi:10.1007/s10439-023-03406-8
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*, 53, 2513-2528. 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*, 40(15-16), 1684-1693. 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(4), 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. *American Association of Behavioral and Social Sciences Journal*, 16, 66-85.

Manuscripts Under Peer-Review

1. 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. *Biological Psychiatry: Global Open Science*.
2. Campbell, J. M., Mogavero, J. N., Pathuri, S., Arain, A., Peters, A., Richards, S., . . . **Liebel, S. W.**, . . . Shofty, B. Evaluating cognitive and affective changes after responsive neurostimulation of the centromedian thalamus. *Stereotactic and Functional Neurosurgery*.

OTHER PUBLISHED WORKS

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

REFEERED ABSTRACTS & POSTERS

44. Keleher, F., Esopenko, C., Lindsey, H. M., Newsome, M. R., Johnson, P. K., Jain, D., Hovenden, E. S., Thayn, D., McCabe, C., Russell, H. A., Mullen, C. M., Velez, C., Read, E. N., Davidson, L. E., Larson, M. J., **Liebel, S. W.**, Tate, D. F., Carr, L. S., & Wilde, E. S. (2024, February). *Alterations in resting-state functional connectivity of cerebellar networks following photobiomodulation treatment in adults with a history of repetitive head acceleration events* [Poster presentation]. Annual meeting of the International Neurotrauma Society, Cambridge, UK.
43. **Liebel, S. W.**, Vadlamani, S., Kennedy, E., Read, E. N., Lei, P.-W., Lindsey, H. M., Tate, D. F., Dams-O'Connor, K., Hillary, F. G., Dennis, E. L., & Wilde, E. A. (2024, February). *Comparing measurement of verbal fluency abilities on the COWAT and D-KEFS VF* [Poster presentation]. Annual meeting of the International Neuropsychological Society, New York City, NY, USA.
42. Talbert, L. D., Mortensen, B., Allen, A. W, Hancock, M., Johnson, P. K., Carr, L. S., . . . **Liebel, S. W.**, . . . Larson, M. J. (2024, February). *Evaluating the efficacy of transcranial photobiomodulation (tPBM) on concussion symptom, emotional, and sleep outcomes across a season for NCAA Division I football athletes: A randomized sham-controlled pilot study* [Poster presentation]. Annual meeting of the International Neuropsychological Society, New York City, NY, USA.
41. Allen, A. W, Mortensen, B., Hancock, M., Talbert, L. D., Johnson, P. K., Carr, L. S., . . . **Liebel, S. W.**, . . . Larson, M. J. (2024, February). *Testing the effects of transcranial*

- photobiomodulation (tPBM) on cognitive and motor function in NCAA football players: A randomized sham-controlled pilot study* [Poster presentation]. Annual meeting of the International Neuropsychological Society, New York City, NY, USA.
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 presentation]. International Neuropsychological Society, San Diego, CA, USA. doi:10.1017/S1355617723011013
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 presentation]. 14th World Congress on Brain Injury organized by the International Brain Injury Association, 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 presentation]. 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 presentation]. 14th World Congress on Brain Injury organized by the International Brain Injury Association, 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 presentation]. 14th World Congress on Brain Injury organized by the International Brain Injury Association, 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 presentation]. International Neuropsychological Society, San Diego, CA, USA. doi:10.1017/S1355617723002655
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 presentation]. Sports Neuropsychology Society, Dallas, TX, USA. *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 presentation]. International Neuropsychological Society, virtual.
 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 presentation]. INFORMS annual meeting, National Harbor, MD, USA.
 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 presentation]. Traumatic Brain Injury Conference, Washington DC, USA.
 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 presentation] International Society for Traumatic Stress Studies, Boston, MA, USA.
 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 presentation]. American Academy of Clinical Neuropsychology, Chicago, IL, USA.
 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 presentation] American Academy of Clinical Neuropsychology, Chicago, IL, USA.
 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 presentation]. International Neuropsychological Society, New York City, NY, USA.
 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 presentation]. Association for Psychological Science, San Francisco, CA, USA.
 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 presentation]. International Neuropsychological Society, Washington DC, USA.

24. Jones, E. C., **Liebel, S. W.**, & Sweet, L. H. (2017, March). *Influence of insula thickness in predicting depressive symptoms* [Poster presentation]. Georgia Psychological Association, Atlanta, GA, USA.
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 presentation]. International Neuropsychological Society, New Orleans, LA, USA.
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 presentation]. International Neuropsychological Society, New Orleans, LA, USA.
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 presentation]. American Psychological Association, Denver, CO, USA.
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 presentation]. Postsecondary Disability Training Institute, Philadelphia, PA, USA.
19. **Liebel, S. W.**, & Nelson, J. M. (2016, April). *Working memory abilities of college students with ADHD* [Poster presentation]. Georgia Psychological Association, Augusta, GA, USA.
18. Pinzone, C. A., **Liebel, S. W.**, & O’Toole, K. (2016, April). *The neuropsychological profiles and academic abilities of children with hypothalamic hamartomas* [Poster presentation]. Georgia Psychological Association, Augusta, GA, USA.
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 presentation]. International Neuropsychological Society, Boston, MA, USA.
16. **Liebel, S. W.**, & Nelson, J. M. (2016, February). *Auditory and visual working memory in college students with ADHD* [Poster presentation]. International Neuropsychological Society, Boston, MA, USA.
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 presentation]. International Neuropsychological Society, Boston, MA, USA.
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 presentation]. International Neuropsychological Society, Denver, CO, USA.
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 presentation]. International Neuropsychological Society, Denver, CO, USA.
 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 presentation]. International Neuropsychological Society, Denver, CO, USA.
 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 presentation]. 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 presentation]. Society for Neuroscience, Washington DC, USA.
 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 presentation]. Society for Psychophysiological Research, Atlanta, GA, USA.
 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 presentation]. 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 presentation]. Southeastern Conference MRI/fMRI Collaborative Mini-Conference, Athens, GA, USA.
 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 presentation]. Southeastern Conference MRI/fMRI Collaborative Mini-Conference, Athens, GA, USA.
 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 presentation]. Collaborative Perspectives on Addiction Conference, Atlanta, GA, USA.

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 presentation]. International Neuropsychological Society, Seattle, WA, USA.
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 presentation]. International Neuropsychological Society, Waikola, HI, USA.
2. **Liebel, S. W.**, Fair, J. E., & Larson, M. J. (2012, April). *How does negative affect impact cognitive rehabilitation after traumatic brain injury?* [Poster presentation] Mentored Student Research Conference by the Mary Lou Fulton Chair, Brigham Young University, Provo, UT, USA.
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 presentation]. International Neuropsychological Society, Montréal, QC, Canada.

INVITED PRESENTATIONS/PAPERS

15. **Liebel, S. W.** (2024, June). *Youth Concussion: Mechanisms, Research, Recovery*. Health Science Teachers Summer Conference, Utah State Board of Education, Salt Lake City, UT.
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 presentation]. INFORMS Annual Meeting, Indianapolis, IN, USA.
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 presentation]. 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 presentation]. International Neuropsychological Society, virtual.
8. **Liebel, S. W.** (2021, May). *Neuropsychological evaluation of a patient with corticobasal degeneration* [Case study presentation]. International Case Conference, University of Michigan, Ann Arbor, MI, USA.
7. **Liebel, S. W.** (2021, March). *Sport-related concussion: Clinical detection, outcomes prediction, and recovery monitoring* [Grand Rounds presentation]. Department of Neurology, University of Utah School of Medicine, Salt Lake City, UT, USA.
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 presentation]. Department of Psychiatry, University of Michigan, Ann Arbor, MI, USA.
5. **Liebel, S. W.** (2020, January). *Effective strategies for graduate school applications and interviewing in psychology* [Presentation]. Diversity, Equity & Inclusion Committee, Department of Psychiatry, University of Michigan, Ann Arbor, MI, USA.
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 presentation]. International Neuropsychological Society, Prague, Czech Republic.
3. **Liebel, S. W.** (2016, October). *Cognitive behavior therapy* [Presentation]. New Medical Residents Workshop, St. Mary's Hospital, Athens, GA, USA.
2. **Liebel, S. W.** (2015, February). *Neuropsychological test administration, scoring, and interpretation* [Presentation]. First Year Clinical Psychology Doctoral Student Proseminar Series, University of Georgia, Athens, GA, USA.
1. **Liebel, S. W.**, & Tillman, S. J. (2012, February). *The role of implicit assumptions in the therapeutic relationship* [Paper presentation]. American Association of Behavioral and Social Sciences, Las Vegas, NV, USA.

CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES

International Initiative for Traumatic Brain Injury Research (InTBIR)
Concussion in Sport Group (CISG)
International Neuropsychological Society (INS)

Sports Neuropsychology Society (SNS)
 Utah Psychological Association (UPA)
 Sigma Xi—The Scientific Research Honor Society

SERVICE & LEADERSHIP

- 2025 Poster Judge, 4th Annual University of Utah Mental Health, Brain, and Behavioral Research Day
- 2025-Present Senate Committee on Academic Freedom and Faculty Rights, University of Utah
- 2024-Present Guest Editor, Special Issue: *Clinical Advances in Traumatic Brain Injury and Concussion*, Journal of Personalized Medicine
- 2023-Present Consulting Editor, Journal of the International Neuropsychological Society
- 2023-Present Member, Tenured Faculty Review/Career Faculty Review Committee, Department of Neurology, University of Utah
- 2023-Present Educational Coordinator, Division of Neuropsychology, Department of Neurology, University of Utah
- 2022-Present Member, Education Committee, Sports Neuropsychology Society
- 2022-Present Mentor, International Neuropsychological Society (INS) Mentorship Program
- 2022 Faculty Facilitator, Interprofessional Education (IPE) Program, University of Utah
- 2021-Present Committee Member, Clinical Neuropsychology Postdoctoral Fellowship, 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
Current Psychiatry Research and Reviews
Sports Medicine
Journal of American College Health

MENTORING

Master's Committee Service:

Regan M. Crofts
Chair: Fino
Department of Kinesiology, University of Utah
2022-2023

Doctoral Committee Service:

Whitney Campos
Chair: Rigby
Department of Rehabilitation Science, University of Utah
2023-Present

PROFESSIONAL TRAINING

10/2023-06/2025 Network for Excellence in Neuroscience Clinical Trials (NeuroNEXT),
NIH-NINDS

01/2023-01/2025 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>)