

Curriculum Vitae
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General Information

University address: FSU Neuromodulation
Behavioral Sciences and Social Medicine
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Professional Preparation

2008 B.S.N., Medical University of South Carolina, Charleston, SC. Major: Nursing.

2007 Ph.D., Medical University of South Carolina, Charleston, SC. Major: Physiology. Neuroscience. Supervisor: Mark S. George, M.D.

Unspecified Name. (2007). *Classical Conditioning Using Transcranial Magnetic Stimulation as the Unconditioned Stimulus*. Unpublished doctoral dissertation, Medical University of South Carolina, Charleston, SC.

2002 B.E., Vanderbilt University, Nashville, TN. Major: Biomedical Engineering, Psychology.

Nondegree Education and Training

2009–2011 Postdoctoral Research Fellow in Anesthesia, Stanford University, Palo Alto, CA.

Professional Credential(s)

2020–present Registered Nurse, License Number RN9547490, State of Florida, Board of Nursing (Compact Status: Multistate).

- 2016–present Registered Nurse, License Number RN678815, State of Pennsylvania, Board of Nursing.
- 2010–present Registered Nurse, License Number 768487, State of California, Board of Registered Nursing.
- 2009–2010 Registered Nurse, License Number 205395, State of South Carolina, Board of Nursing.

Professional Experience

- 2020–present Research Faculty II, Behavioral Sciences and Social Medicine, Florida State University. Research Faculty working with Dr. Andy Kozel to establish a clinical research program using neuromodulation to treat mood and anxiety disorders.
- 2018–2020 Neuroscientist (Director Level), Product Development Group, Neuronetics, Malvern, PA. Subject matter expert for new product development, expansion of clinical indications, external partnerships, and various activities across the organization.
- 2015–2018 R&D Research Manager, Pain Franchise, OTC Global Innovation, Johnson & Johnson, Fort Washington, PA. Front end innovation for pain OTC and adjacent categories. Performed external landscapes and evaluations. Worked with internal and external partners to de-risk and advance products.
- 2014–2015 Senior Research Scientist, Stanford Systems Neuroscience & Pain Laboratory, Stanford University, Palo Alto, CA.
- 2011–2014 Research Associate, Stanford Systems Neuroscience & Pain Laboratory, Stanford University, Palo Alto, CA.
- 2009–2011 Postdoctoral Scholar, Stanford Systems Neuroscience & Pain Laboratory, Stanford University, Palo Alto, CA.
- 2007–2009 Postdoctoral Scholar, Brain Stimulation Laboratory; Center for Advanced Imaging Research, Medical University of South Carolina, Charleston, SC.
- 2001–2002 Research Assistant, Vanderbilt Affective Neuroimaging Laboratory, Vanderbilt University, Nashville, TN.

Current Membership in Professional Organizations

Clinical TMS Society

Research and Original Creative Work

Publications

Refereed Journal Articles

- Webler, R. D., Hamady, C., Molnar, C., Johnson, K., Bonilha, L., Anderson, B. S., Bruin, C., Bohning, D. E., George, M. S., & Nahas, Z. (2020). Decreased interhemispheric connectivity and increased cortical excitability in unmedicated schizophrenia: A prefrontal interleaved TMS fMRI study. *Brain Stimulation, 13*(5), 1467-1475. Retrieved from [Go to ISI>://WOS:000573960600008 doi:10.1016/j.brs.2020.06.017
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- Gaertner, M., Kong, Jiang-Ti, Scherrer, K. H., Foote, A., Mackey, S., & Johnson, K. A. (2018). Advancing Transcranial Magnetic Stimulation Methods for Complex Regional Pain Syndrome: An Open-Label Study of Paired Theta Burst and High-Frequency Stimulation. *Neuromodulation, 21*(4), 409-416. Retrieved from [Go to ISI>://WOS:000437692500012 doi:10.1111/ner.12760
- Sturgeon, J. A., Hah, J. M., Sharifzadeh, Y., Middleton, S. K., Rico, T., Johnson, K. A., & Mackey, S. C. (2018). Predictors of Daily Pain Medication Use in Individuals with Recurrent Back Pain. *International Journal of Behavioral Medicine, 25*(2), 252-258. Retrieved from [Go to ISI>://WOS:000427632300012 doi:10.1007/s12529-017-9686-8
- Mackey, I. G., Dixon, E. A., Johnson, K. A., & Kong, Jiang-Ti. (2017). Dynamic Quantitative Sensory Testing to Characterize Central Pain Processing. *Journal of Visualized Experiments*. doi:10.3791/54452
- Taub, C. J., Sturgeon, J. A., Johnson, K. A., Mackey, S. C., & Darnall, B. D. (2017). Effects of a Pain Catastrophizing Induction on Sensory Testing in Women with Chronic Low Back

- Pain: A Pilot Study. *Pain Research & Management*, 2017. Retrieved from [Go to ISI>://WOS:000395018300001 doi:10.1155/2017/7892494
- Scherrer, K., Johnson, K., Kong, J., Nilakantan, A., Middleton, S., Foote, A., & Mackey, S. (2017). Effects of long-term opioid use in chronic low back pain patients: results from quantitative sensory testing and behavioral measures. *Journal of Pain*, 18(4), S30-S30. Retrieved from [Go to ISI>://WOS:000398755400124 doi:10.1016/j.jpain.2017.02.382
- Weber, K., Sentis, A., Johnson, K., Martucci, K., & Mackey, S. (2017). Neural correlates of response inhibition in chronic low back pain: a functional magnetic resonance imaging study. *Journal of Pain*, 18(4), S57-S57. Retrieved from [Go to ISI>://WOS:000398755400233 doi:10.1016/j.jpain.2017.02.221
- Tran, P., Sturgeon, J. A., Nilakantan, A., Foote, A., Mackey, S., & Johnson, K. (2017). Pain Catastrophizing Mediates the Relationship Between Trait Happiness and Depressive Symptoms in Individuals with Current Pain. *Journal of Applied Biobehavioral Research*, 22(4). Retrieved from [Go to ISI>://WOS:000417184500002 doi:10.1111/jabr.12069
- Sentis, A., Weber, K., Johnson, K., & Mackey, S. (2017). Pain processing during recalled pain differs in chronic low back pain sufferers and healthy individuals. *Journal of Pain*, 18(4), S57-S57. Retrieved from [Go to ISI>://WOS:000398755400234 doi:10.1016/j.jpain.2017.02.222
- Middleton, S., Sturgeon, J., Rico, T., Mackey, S., & Johnson, K. (2016). Depression mediates the relationship between pain intensity and effort in minor, but not major, decision making. *Journal of Pain*, 17(4), S20-S20. Retrieved from [Go to ISI>://WOS:000373523000081 doi:10.1016/j.jpain.2016.01.082
- Dixon, E. A., Benham, G., Sturgeon, J. A., Mackey, S., Johnson, K. A., & Younger, J. (2016). Development of the Sensory Hypersensitivity Scale (SHS): a self-report tool for assessing sensitivity to sensory stimuli. *Journal of Behavioral Medicine*, 39(3), 537-550. Retrieved from [Go to ISI>://WOS:000375570700017 doi:10.1007/s10865-016-9720-3
- Sturgeon, J., Middleton, S., Rico, T., Mackey, S., & Johnson, K. (2016). Differential daily effects of pain intensity, sleep, and mood on physical activity in chronic back pain. *Journal of Pain*, 17(4), S16-S16. Retrieved from [Go to ISI>://WOS:000373523000063
- Taub, C., Darnall, B., Johnson, K., & Mackey, S. (2016). Enhanced secondary hyperalgesia following a pain catastrophizing induction in women with chronic low back pain. *Journal of Pain*, 17(4), S56-S56. Retrieved from [Go to ISI>://WOS:000373523000221 doi:10.1016/j.jpain.2016.01.228
- Alger, J. R., Ellingson, B. M., Ashe-McNalley, C., Woodworth, D. C., Labus, J. S., Farmer, M., Huang, L., Apkarian, A. V., Johnson, K. A., Mackey, S. C., Ness, T. J., Deutsch, G., Harris, R. E., Clauw, D. J., Glover, G. H., Parrish, T. B., den Hollander, J., Kusek, J. W., Mullins, C., Mayer, E. A., & Investigators, M. R. N. (2016). Multisite, multimodal

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- Law, C., Johnson, K., Sentis, A., Bagarinao, E., & Mackey, S. (2015). Elucidating brain regions engaged in strategies for real-time fMRI neurofeedback pain modulation. *Journal of Pain*, 16(4), S55-S55. Retrieved from [Go to ISI>://WOS:000352748600218 doi:10.1016/j.jpain.2015.01.234
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