

Curriculum Vitae
University of Alabama at Birmingham

Date: May 8, 2024

Personal information

Name: Adam M. Goodman MS, PhD
Citizenship: USA
Foreign language(s): None
Home address:
Phone:

Rank/title

Department: Assistant Professor, Department of Psychology
Business address: 1300 University Blvd, Birmingham, AL 35233, CH 415
Phone: 910.233.2035
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Hospital and other (nonacademic) appointments: Assistant Professor, UAB Epilepsy Center and Associate Scientist, Center for Clinical and Translational Science.

Professional consultancies: None

Education:

Year	degree	institution
2002-2006	Bachelors of Science, Psychology	Appalachian State University
2009-2011	Masters of Science, Psychology	Auburn University
2011-2015	Doctorate of Philosophy, Psychology	Auburn University

Military service: None

Licensure: None

Board certification: None

Postdoctoral training:

Year	degree	institution
2015-2018	Department of Psychology	University of Alabama at Birmingham
2018	Department of Neurology	University of Alabama at Birmingham

Academic appointments: (in reverse chronological order)

Year	rank/title	institution
2023-Current	Assistant Professor,	University of Alabama at

	Department of Psychology	Birmingham
2023	Assistant Professor, Department of Neurology	University of Alabama at Birmingham
2020-Current	Associate Scientist, Center for Clinical and Translational Science (CCTS)	University of Alabama at Birmingham
2018-2023	Instructor, Department of Neurology	University of Alabama at Birmingham
2017-2018	Instructor, Department of Psychology	University of Alabama at Birmingham

Awards/honors:

fMRI Visiting Fellowship, Martinos Center for Biomedical Imaging, Boston MA, 2013
Teaching Fellows Program Graduate, AU Department of Psychology, 2014
3rd Place, Alabama Advanced Imaging Consortium 7th Annual Neuroimaging Retreat, 2018
American Epilepsy Society Young Investigator Award, 2018
Invited Speaker, Special Symposium, AAIC Annual Retreat, 2019, 2023
Cover image, Coalition for Academic Scientific Computation (CASC) brochure, 2020

Professional societies:

Organization for Human Brain Mapping
Society for Neuroscience
American Epilepsy Society
American Psychological Society
International Comparative Cognition Society
Psychonomic Society
Southeastern Association for Behavior Analysis

Memberships:

Student committees:

Ayushe Sharma, Behavioral Neuroscience, doctoral qualifying examination and dissertation
Chloe Jones, Medical Clinical, doctoral dissertation
Anudeep Bolaram, doctoral dissertation
Julien Julia, Behavioral Neuroscience, doctoral qualifying examination
Abby Nolan, Chair for Science and Technology Program honors thesis

Reviewer and Editorial board memberships:

Editorial Board Member, Frontiers in Psychology
Ad-Hoc Reviewer, Neurology
Ad-Hoc Reviewer, Imaging Neuroscience
Ad-Hoc Reviewer, NeuroImage
Ad-Hoc Reviewer, Human Brain Mapping
Ad-Hoc Reviewer, Translational Psychiatry

Ad-Hoc Reviewer, Neurobiology of Stress
Ad-Hoc Reviewer, Brain Connectivity
Ad-Hoc Reviewer, Epilepsy Research
Ad-Hoc Reviewer, Cognitive, Affective, and Behavioral Neuroscience
Ad-Hoc Reviewer, Psychiatry Research: Neuroimaging
Ad-Hoc Reviewer, Comprehensive Psychiatry

Major research interests: (2-3 sentences)

I am a researcher in cognitive neuroscience, with an emphasis on multimodal behavioral and neuroscience methods to improve our understanding of mood and anxiety disorders, predictors of pathogenesis, and long-term effects of stressful experience. My research interests include human emotion, learning, and regulation studies.

Teaching experience:

2009 – 2010	Graduate Teaching Assistant, Introduction to Psychology (PSY 2010), Dept. of Psychology, Auburn University.
2010 – 2014	Graduate Teaching Assistant, Sensation and Perception (PSY 3530), Dept. of Psychology, Auburn University.
2010 – 2013	Graduate Laboratory Instructor, Introduction to Statistics for Social and Behavioral Sciences (STAT 2010), Dept. of Mathematics & Statistics, Auburn University.
2011	Graduate Laboratory Instructor, Research Methods (PSY 2140) Dept. of Psychology, Auburn University.
2012	Graduate Teaching Assistant, Cognitive Psychology (PSY 3540), Dept. of Psychology, Auburn University.
2012	Graduate Teaching Assistant, Psychology of Learning (PSY 3520), Dept. of Psychology, Auburn University.
2012	Graduate Teaching Assistant, Cognitive Neuroscience (PSY 3620), Dept. of Psychology, Auburn University.
2014	Instructor of Record, Cognitive Neuroscience (PSY 3620), Dept. of Psychology, Auburn University.
2015	Instructor of Record, Introduction to Psychology (PSY 2010), Dept. of Psychology, Auburn University.
2017 – 2018	Instructor of Record, Psychology of Learning (PY 361-QBX online), Dept. of Psychology, University of Alabama at Birmingham.
Undergraduate Student Mentoring	
2013 – 2014	Courtney Meadows. Undergraduate RA. Psychology program, Auburn University.
2013 – 2015	Mackenzie Derr. Undergraduate RA. Psychology program, Auburn University.
2013 – 2015	Laura Mayhall. Undergraduate RA. Psychology program, Auburn University.
2015	Molly Baker. Undergraduate RA. Psychology program, Auburn University

2016 – 2018 Tyler Orem. Undergraduate RA. Undergraduate Neuroscience program, University of Alabama at Birmingham

2016 – 2018 Elizabeth Davis. Undergraduate RA. Psychology program, University of Alabama at Birmingham.

2017 Allyson Payne. Undergraduate RA. Psychology program, University of Alabama at Birmingham.

2018 – 2020 Neha Balachandran. Undergraduate RA. Undergraduate Neuroscience program, University of Alabama at Birmingham

2018 – 2022 Caroline Byington. Undergraduate RA. Undergraduate Neuroscience program, University of Alabama at Birmingham

2018 – 2022 Pranav Kakulamari. Undergraduate RA. Undergraduate Neuroscience program, University of Alabama at Birmingham. Fulbright Scholarship.

2021 – 2022 Anna Chhabra. Undergraduate RA. Undergraduate Neuroscience program, University of Alabama at Birmingham

2021 – Current Gabby Taylor. Undergraduate RA. Undergraduate Neuroscience program, University of Alabama at Birmingham

2022 – 2023 Wendy Lin. Undergraduate RA. Undergraduate Biomedical Engineering, University of Alabama at Birmingham

2023 – Current Abby Nolan. Undergraduate RA. Science and Technology Honors program, University of Alabama at Birmingham

2024 – Current Crager Hester. Undergraduate RA. Undergraduate Neuroscience program, University of Alabama at Birmingham

2024 – Current Anika Vennel. Undergraduate RA. Undergraduate Biomedical Engineering, University of Alabama at Birmingham

Post-Baccalaureate trainees

2015 – 2016 Ethan Gossett. Department of Psychology, University of Alabama at Birmingham.

2016 – 2017 Chelsea Dunaway. Department of Psychology, University of Alabama at Birmingham.

2018 David Diggs. Department of Neurology, University of Alabama at Birmingham.

2021-2022 Daniel Janko. Department of Neurology, University of Alabama at Birmingham.

2023 Rebekah Chatfield. Department of Neurology, University of Alabama at Birmingham.

Graduate Student Mentoring

2015 – 2018 Heather Dark. Graduate RA. Medical/Clinical Psychology program, University of Alabama at Birmingham.

2016	Megan Dudley. Graduate RA Rotation. Behavioral Neuroscience Psychology program, University of Alabama at Birmingham.
2017 – 2018	Juliann Purcell. Graduate RA. Medical/Clinical Psychology program, University of Alabama at Birmingham.
2018-current	Ayushe Sharma. Graduate RA. Behavioral Neuroscience Psychology program, University of Alabama at Birmingham
2022	Caila Coyne. Graduate RA Rotation. Neuroengineering program, University of Alabama at Birmingham
2024	Cameryn Eikstead. Graduate RA Rotation. Behavioral Neuroscience Psychology program, University of Alabama at Birmingham

Major lectures and visiting professorships:

Goodman, A.M. (2024) Causal mapping of emotion brain function to explore new treatment approaches. Invited Speaker for Department of Neurology Grand Rounds. Heersink School of Medicine, University of Alabama at Birmingham, Birmingham, AL.

Goodman, A.M. (2024) fMRI-guided causal mapping of emotion brain function. Invited Speaker for Human Neuroscience and Neuroengineering Colloquium. University of Alabama at Birmingham. Birmingham, AL.

Goodman, A.M. (2024) Update on Functional Neuroimaging in Functional (Psychogenic) Nonepileptic Seizures. Invited Speaker for Center for Brain/Mind Medicine Seminar as part of Brigham and Women's Department of Psychiatry Grand Rounds. Harvard Medical School, Boston, MA.

Goodman, A.M. (2023) Mapping your Path to Independence in Academia: An Interactive Toolkit for Early-Career Researchers. Invited Roundtable Speaker, Annual meeting of the Organization for Human Brain Mapping, Montreal, CA.

Goodman, A.M. (2023, 2024) Functional Neuroimaging. EE 638/738 Neural Data Analysis invited guest lecturer, Department of Electrical and Computer Engineering, UAB School of Engineering. Birmingham, AL.

Goodman, A.M. (2023) Relationships between human emotion brain networks, emotion processes, and psychopathology. Lecture presented at the Department of Psychology CME series, UAB College of Arts and Sciences. Birmingham, AL.

Goodman, A.M. (2021) Neuroimaging markers of bidirectional relationships between seizure disorders and mental health. Invited lecture presented at the USC Stephens Neuroimaging and Informatics Institute, Keck School of Medicine of University of Southern California. Los Angeles, CA.

Goodman, A.M. (2021) Functional and structural connectivity in seizure disorders and mental health. Invited lecture presented to the UAB Neuroengineering doctoral program, University of Alabama at Birmingham. Birmingham, AL.

Grant support: (past and current)

Current Research Support

- 2022 – 2025 1 R21 MH133055-01 Stimulation-induced modulation of fronto-limbic responses to threat. Role: PI
- 2021 – 2025 1R01 HD102723-01A1, Exercise for Memory Rehabilitation in Epilepsy, Allendorfer (PI), Role: Co-investigator

Completed Research Support

- 2015 – 2018 1R01 MH098348, Neurobiological Mechanisms of Lower Internalizing Disorders in Black Americans, Mrug & Knight (PI), Role: Postdoctoral Fellow.
- 2015 Auburn University Graduate School Dissertation Research Award, Neural Correlates of Abstract Rule use within the Rostro-Caudal Axis of the Frontal Lobes, Goodman (PI).
- 2014 Auburn University Intramural Grants Program, Buying Motivations: Behavioral and Neural Cross-Validation, Deshpande & Kwon (PI), Role: Graduate Research Fellow.
- 2012 – 2013 USAMRMC 000072818, Brain imaging and biochemical indices of post-concussive syndrome (PCS) and post-traumatic stress disorder (PTSD) in soldiers, Drestch & Denney (PI), Role: Graduate Research Fellow.
- 2022 – 2023 UAB Dept. of Neurology. Stimulation and invasive recording for regulation of emotion responses, Role: PI
- 2018 – 2023 DOD W81XWH-17-0169, Neuroimaging Biomarker for Seizures, LaFrance & Szaflarski (PI), Role: Postdoctoral Fellow, Co-investigator

Grant support: Submitted

- 2022 1 R01 MH130505-01A1 Longitudinal Changes in Depression Status and Severity Corresponding to Neurobiology of Fronto-Limbic Network in Epilepsy. Role: PI
- 2022 1 R21 MH133055-01 Stimulation-induced modulation of fronto-limbic responses to threat. Role: PI
- 2021 1 R01 MH130505-01 Longitudinal Changes in Depression Status and Severity Corresponding to Neurobiology of Fronto-Limbic Network in Epilepsy. Role: PI
- 2021 1 F31 NS120441-01A1. The Effects of Cannabidiol on Brain Temperature in Treatment-Resistant Epilepsy Role: Co-Mentor.

Score: 37

- 2020 1 1 K01 MH127418-01 Longitudinal Changes in Mental Health Corresponding to Neurobiology of Emotion Network in Epilepsy, Szaflarski (Primary Mentor), Role: PI
- 2019 1 K01 MH121643-01A1, Neurobiology Underlying the Relationship between Mental Health and Epilepsy, Szaflarski (Primary mentor) and Lahti (Co-mentor), Role: PI
- 2019 1 K01 MH121643-01, Neurobiology Underlying the Relationship between Mental Health and Epilepsy, Szaflarski (Primary mentor) and Lahti (Co-mentor), Role: PI
- 2016 1 F32 MH112241, Neurobiology Mediating Stress-related Impacts on Fear Learning and Emotion Regulation, Knight (Primary mentor) and Lahti (Co-mentor), Desphande (Co-Mentor) Role: Fellow

Other: None

Bibliography:

Manuscripts:

Published Manuscripts

* These authors contributed equally to this work.

1. Sharma, A. A., Nenert, R. E., **Goodman, A. M.**, & Szaflarski, J. P. (In press). Brain temperature and free water increases after mild COVID-19 infection. *Scientific Reports*.
2. Allendorfer, J. B., Nenert, R. E., **Goodman, A. M.**, Correia, S., Kakulamari, P. S., LaFrance Jr., W. C., & Szaflarski, J. P. (In press). Brain network entropy, depression, and quality of life in people with traumatic brain injury and seizure disorders. *Epilepsia Open*.
3. *Byington, C. G., ***Goodman, A. M.**, Allendorfer, J. B., Correia, S., LaFrance Jr., W. C., & Szaflarski, J. P. (2024). Decreased uncinat fasciculus integrity in functional seizures following traumatic brain injury. *Epilepsia*. DOI: 10.1111/epi.17896
4. Van Patten, R., Chan, L., Tocco, K., Mordecai, K., Altalib, H., Twamley, E. W., Gaston, T.E., Grayson L.E., Martin, A.N., Fry, S., **Goodman, A. M.**, Szaflarski, J. P., & LaFrance Jr., W. C., (2023) Improvements in Montreal Cognitive Assessment Scores After Neurobehavioral Therapy in Adults with Functional (Nonepileptic) Seizures and Traumatic Brain Injury. *Journal of Psychiatric Research*. PMID: 37549503 DOI: 10.1016/j.jpsychires.2023.07.038
5. Mueller, C., **Goodman, A.M.**, Nenert, R., Allendorfer J.B., Philip, N.S., Correia, S., Oster, R.A., LaFrance, Jr. W.C., & Szaflarski, J.P., (2023) Repeatability of Neurite

- Orientation Dispersion and Density Imaging (NODDI) in healthy individuals and patients with traumatic brain injury. *Journal of Neuroimaging*. doi: 10.1111/jon.13125
6. Dark, H. E., Harnett, N. G., **Goodman, A. M.**, Wheelock, M.D., Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero, S., & Knight, D. C. (2023) Stress-induced changes in autonomic reactivity vary with adolescent violence exposure and resting-state functional connectivity, *Neuroscience*, doi: 10.1016/j.neuroscience.2023.05.005
 7. Mueller, C., **Goodman, A.M.**, Allendorfer J.B., Nenert, R., Gaston, T.E., Grayson L.E., Philip, N.S., Correia, S., LaFrance, Jr. W.C., & Szaflarski, J.P., (2023) White Matter Changes after Neurobehavioral Therapy for Functional Seizures. *Annals of Neurology*, doi:10.1002/ana.26665
 8. Sharma, A. A., Nenert, R. E., **Goodman, A. M.**, & Szaflarski, J. P. (2023). Concordance between focal brain temperature elevations and focal edema in temporal lobe epilepsy. *Epilepsia*. doi: 10.1111/epi.17538
 9. ***Goodman, A. M.**, *Kakulamari, P. S., Nenert, R. E., Allendorfer, J. B., Philip, N. S., Correia, S., LaFrance Jr., W. C., & Szaflarski, J. P. (2023). Relationship between intrinsic network connectivity and psychiatric symptom severity in functional seizures. *Journal of Neurology Neurosurgery, and Psychiatry*. doi: 10.1136/jnnp-2022-329838
 10. Dark, H. E., Harnett, N. G., Hurst, D.R., Wheelock, M.D., Wood, K. B., **Goodman, A. M.**, Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero, S., & Knight, D. C. (2022) Sex-related differences in Violence Victimization, Neural Reactivity to Threat, and Mental Health. *Neuropsychopharmacology*. doi: 10.1038/s41386-022-01430-1
 11. *Szaflarski J. P., *Allendorfer J. B., **Goodman A.M.**, Byington C. G., Philip N. S., Correia S, & LaFrance W.C. (2022) Diagnostic delay in functional seizures is associated with abnormal processing of facial emotions. *Epilepsy & Behavior*. *131:108712*. doi: 10.1016/j.yebeh.2022.108712
 12. **Goodman, A. M.**, Allendorfer, J. B., LaFrance Jr., W. C., & Szaflarski, J. P. (2022). Precentral gyrus and insula responses to stress vary with duration to diagnosis in functional seizures. *Epilepsia*. doi: 10.1111/epi.17179. PubMed PMID: 35112346
 13. **Goodman, A. M.**, Wheelock M. D., Harnett, N. G., Davis, E. S., Mrug, S., Deshpande, G., & Knight, D. C. (2022) Stress-induced changes in effective connectivity during the emotional response to threat. *Brain Connectivity*. doi: 10.1089/brain.2021.0062; PubMed PMID: 34541896
 14. Sharma, A. A., **Goodman, A. M.**, Allendorfer, J. B., Phillip, N. S., Correia, S., LaFrance Jr., W. C., & Szaflarski, J. P. (2021). Regional brain atrophy and aberrant cortical folding relate to anxiety and depression in patients with TBI and psychogenic non-epileptic seizures. *Epilepsia*, *63*: 222– 236. doi: 10.1111/epi.17109. PubMed PMID: 34730239 PubMed Central PMCID: PMC8742780
 15. Bell, K. L., Purcell, J. B., Harnett, N. G., **Goodman, A. M.**, Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero Emery, S., & Knight, D. C. (2021). White Matter

- Microstructure in the Young Adult Brain Varies with Neighborhood Disadvantage in Adolescence. *Neuroscience*, 466, 162-172.
16. **Goodman, A. M.** & Szaflarski, J. P. (2021). Recent Advances in Neuroimaging of Epilepsy. *Neurotherapeutics* doi: 10.1007/s13311-021-01049-y.
 17. Houston, J. T., Nenert, R., Allendorfer, J. B., Bebin, E. M., Gaston, T. E., **Goodman, A. M.**, Szaflarski, J. P. (2021). White matter integrity after cannabidiol administration for treatment resistant epilepsy. *Epilepsy Research*. doi:10.1016/j.eplesyres.2021.106603
 18. Wheelock M. D., **Goodman, A. M.**, Harnett, N. G., Wood, K. H., Mrug, S., Granger, D. A., & Knight, D. C. (2021). Sex-related differences in stress reactivity and cingulum white matter. *Neuroscience*. 459:118-128. doi: 10.1016/j.neuroscience.2021.02.014 PubMed PMID: 33588003; PubMed Central PMCID: PMC7965343.
 19. Purcell, J. B., **Goodman, A. M.**, Harnett, N. G., Davis, E. S., Wheelock, M. D., Mrug, S., Elliott, M. N., Emery, S. T., Schuster, M. A., & Knight, D. C. (2021). Stress-elicited neural activity in young adults varies with childhood sexual abuse. *Cortex*. 137:108-123. doi: 10.1016/j.cortex.2020.12.020. PubMed PMID: 33609897; PubMed Central PMCID: PMC8044018.
 20. *Balachandran, N., ***Goodman, A. M.**, Allendorfer, J. B., Martin, A. N., Vogel, V., Tocco, K., LaFrance Jr., W. C., & Szaflarski, J. P. (2021). Altered neural response to stress is related to mental health symptoms in psychogenic nonepileptic seizures following TBI. *Epilepsia*. 62(1):107-119. doi: 10.1111/epi.16758. PubMed PMID: 33238045.
 21. **Goodman, A. M.**, Diggs, M. D., Balachandran, N., Kakulamari, P.S., Oster, R.A., Allendorfer, J. B., & Szaflarski, J. P. (2020) Repeatability of neural and autonomic responses to acute psychosocial stress. *Frontiers in Neuroscience*. doi: 10.3389/fnins.2020.585509
 22. **Goodman, A. M.**, Allendorfer, J. B., Blum, A., Bolding, M., Correia, S., ver Hoef, L., Gaston, L., Grayson, L., Kraguljac, N., Lahti, A., Martin, A., Monroe, W., Philip, N. S., Tocco, K., Vogel, V., LaFrance Jr., W. C., & Szaflarski, J. P. (2020) White matter and neurite morphology differ in psychogenic nonepileptic seizures. *Annals of Clinical and Translational Neurology*. doi:10.1002/acn3.51198
 23. Dark, H. E., Harnett, N. G., **Goodman, A. M.**, Wheelock, M. D., Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero Emory, S., & Knight, D. C. (2020). Violence exposure, affective style, and stress-induced changes in resting state functional connectivity. *Cognitive, Affective, and Behavioral Neuroscience*. doi: 10.3758/s13415-020-00833-1.
 24. Harnett, N. G., **Goodman, A. M.**, & Knight D.C. (2020). PTSD-related neuroimaging abnormalities in brain function, structure, and biochemistry. *Experimental Neurology*. 330, 113331. doi: 10.1016/j.expneurol.2020.113331
 25. Houston, J.T., Allendorfer, J. B., Nenert, R. E., **Goodman, A. M.**, & Szaflarski, J. P. (2019). White matter language pathways and language performance in healthy adults across ages. *Frontiers in Neuroscience*, 13:1185. doi: 10.3389/fnins.2019.01185

26. Thompkins, A.M., Adkins, S., Leopard, M., Spencer, C., Bentley, D., Bolden, L., Jagielski C., Richardson E., **Goodman, A. M.**, Schwebel, D.C., (2019) Dogs as an Adjunct to Therapy: Effects of Animal-Assisted Therapy on Rehabilitation following Spinal Cord Injury, *Anthrozoös*, 32:5, 679-690, DOI: 10.1080/08927936.2019.1645513
27. Nair, S., Nenert, R. E., Allendorfer, J. B., **Goodman, A. M.**, Vannest, J., Mirman, D., & Szaflarski, J. P. (2019). Sex, age, and handedness modulate the neural correlates of active learning. *Frontiers in Neuroscience*, 13:961. doi: 10.3389/fnins.2019.00961.
28. Harnett, N. G., Wheelock, M. D., Wood, K. H., **Goodman, A. M.**, Mrug, S., Elliot, M., Schuster, M., Tortolero, S., and Knight, D. C. (2019). Negative life experiences contribute to racial differences in the neural response to threat. *NeuroImage*. 15, doi:10.1016/j.neuroimage.2019.116086
29. Lazarowski, L., **Goodman, A. M.**, Galizio, M., & Bruce K. (2019) Effects of set-size on identity and oddity abstract-concept learning in rats. *Animal Cognition*, 22, 733–742. doi:10.1007/s10071-019-01270-5
30. **Goodman, A. M.**, Allendorfer, J. B., Heyse, H., Szaflarski, B. A., Eliassen, J. C., Nelson, E. B., Storrs, J. M. & Szaflarski, J. P. (2019). Neural Response to Stress and Perceived Stress Differ in Patients with Left Temporal Lobe Epilepsy. *Human Brain Mapping*. 40, 3415–3430. doi:10.1002/hbm.24606
31. Dretsch, M. N., Rangaprakash, D., Katz, J. S., Daniel, T. A., **Goodman, A. M.**, Denney, T. S., & Deshpande, G. (2019). Strength and Temporal Variance of the Default Mode Network to Investigate Chronic Mild Traumatic Brain Injury in Service Members with Psychological Trauma. *Journal of Experimental Neuroscience*, 13, 1-14. doi:10.1177/1179069519833966
32. Orem, T. R., Wheelock M. D., **Goodman, A. M.**, Harnett, N. G., Wood, K. H., Mrug, S., Granger, D. A., & Knight, D. C. (2019). Amygdala and Prefrontal Cortex Activity Varies with Individual Differences in the Emotional Response to Psychosocial Stress. *Behavioral Neuroscience* 133.2, 203-211. doi:10.1037/bne0000305
33. **Goodman, A. M.**, Harnett, N. G., Wheelock, M.D., Hurst, D.R., Orem, T. R., Gossett, E. W., Dunaway, C. A., Mrug, S., & Knight D. C. (2018). Anticipatory prefrontal cortex activity underlies stress-induced changes in Pavlovian fear conditioning. *NeuroImage*. 174, 237-247. doi:10.1016/j.neuroimage.2018.03.030.
34. Gossett, E. W., Wheelock, M. D., **Goodman, A. M.**, Orem, T. R., Harnett, N. G., Wood, K. H., ... & Knight, D. C. (2018). Anticipatory stress associated with functional magnetic resonance imaging: Implications for psychosocial stress research. *International Journal of Psychophysiology*, 125, 35-41. doi:10.1016/j.ijpsycho.2018.02.005
35. **Goodman, A. M.**, Harnett, N. G., & Knight D. C. (2018). Pavlovian conditioned diminution of the neurobehavioral response to threat. *Neuroscience and Biobehavioral Reviews*, 84, 218-224. doi:10.1016/j.neubiorev.2017.11.021
36. ***Goodman, A. M.**, *Wang, Y., Kwon, W., Byun, S., Katz, J. S., & Deshpande, G. (2017) Neural correlates of consumer buying motivations: a 7T functional magnetic

- resonance imaging (fMRI) study. *Frontiers in Neuroscience*, 11. doi: 10.3389/fnins.2017.00512
37. Dretsch, M. N., Lange, R.T., Katz, J. S., **Goodman, A. M.**, Daniel, T. A., Deshpande, G., Denney, T., Iverson, G. L., & Robinson, J. L., (2017). Examining Microstructural White Matter in Active Duty Soldiers with a History of Mild Traumatic Brain Injury and Traumatic Stress. *The Open Neuroimaging Journal*, 11, 46.
 38. Dretsch, M. N., Daniel, T. A., **Goodman, A. M.**, Robinson, J. L., Denney, T., Deshpande, G., & Katz, J. S., (2017). Differential neural activation when voluntarily regulating emotions in service members with chronic mild traumatic brain injury. *Applied Neuropsychology: Adult*, 1-13.
 39. Rangaprakash, D., Deshpande, G., Daniel, T. A., **Goodman, A. M.**, Robinson, J. S., Katz, J. S., Denney, T., Salibi, N., & Dretsch, M. N. (2017). Static and dynamic functional connectivity impairments in concussed soldiers with and without post-traumatic stress disorder. *Human Brain Mapping*. doi:10.1002/hbm.23551
 40. Dretsch, M. N., Wood, K. H., Daniel, T. A., Katz, J. S., Deshpande G., **Goodman, A. M.**, Wheelock, M. D., Wood, K. B., Denney, T. S., Traynham, S., & Knight, D. C. (2016). Exploring the neurocircuitry underpinning predictability of threat in soldiers with PTSD compared to deployment exposed controls. *The Open Neuroimaging Journal*, 10, 111-124. doi:10.2174/1874440001610010111
 41. **Goodman, A. M.**, Wheelock, M. D., Harnett, N. G., Mrug, S., Granger, D. A., & Knight D. C. (2016) The hippocampal response to psychosocial stress varies with salivary uric acid level. *Neuroscience*, 339, 396-401. doi:10.1016/j.neuroscience.2016.10.002
 42. **Goodman, A. M.**, Katz, J. S., & Dretsch, M. N. (2016). Military Affective Picture System (MAPS): The development of a new emotion-based stimuli set for the psychological sciences. *Journal of Behavior Therapy and Experimental Psychiatry*, 50, 152-161. doi:10.1016/j.jbtep.2015.07.006
 43. Magnotti, J. F., **Goodman, A. M.**, Daniel, T. A., Elmore, L. C., & Wright, A. A., & Katz, J. S. (2013). Visual object complexity limits pigeon short-term memory. *Behavioural Processes*. doi:10.1016/j.beproc.2012.10.006

Manuscripts submitted

* These authors contributed equally to this work.

1. **Goodman, A. M.**, Allendorfer, J. B., Taylor, G.C., Phillip, N.S., Correia, S., LaFrance Jr., W. C., & Szaflarski, J. P. (submitted). Altered fronto-limbic-motor response to stress differs between functional and epileptic seizures in a TBI model.
2. Van Patten, R., Chan, L., Tocco, K., Mordecai, K., Altalib, H., Cotton, E., Correia, S., Gaston, T.E., Grayson L.E., Martin, A.N., Fry, S., **Goodman, A. M.**, Allendorfer, J. B., Szaflarski, J. P., & LaFrance Jr., W. C., (submitted) Prospective Study of Neurobehavioral Therapy in Epileptic and Nonepileptic Seizures Associated with Traumatic Brain Injury.

3. Allendorfer, J. B., Diggs, M. D., **Goodman, A. M.**, Byington, C. A., Nenert, R.E., & Szaflarski, J. P. (submitted) Facial recognition and emotional processing in healthy controls for time points 13 weeks apart.
4. Khan, A. U., Irwin, Z., Roller, A., **Goodman, A. M.**, Guthrie, B. L., Visscher, K.M., Knight, R. T. Walker, H. C., Bentley, N. J. (submitted) Theta oscillations in rostral dorsolateral prefrontal cortex support response inhibition

Manuscripts in preparation

* These authors contributed equally to this work.

1. Bolaji, M. T., **Goodman, A. M.**, & Nenert, R. E., Szaflarski, J. P., & Allendorfer, J. B. (in prep). Exercise Changes White Matter and Neurite Morphology in Patients with Idiopathic Generalized Epilepsy.
2. *Taylor, G. C., ***Goodman, A. M.**, Sharma, A. A., Allendorfer, J. B., LaFrance Jr., W. C., & Szaflarski, J. P. (in prep). Machine Learning for Biomarker Detection and Classification of Functional Seizures Following TBI.

Books:

1. Daniel, T. A., **Goodman, A. M.**, Thompkins, A. M., Forloines, M. R., Lazarowski, L., & Katz, J. S. (2016). Generalization cannot predict abstract-concept learning. Mary C. Olmstead (Ed.) Animal Cognition: Principles, Evolution, and Development. NOVA Science Publishers.
2. Farshid, A., **Goodman, A. M.**, Daniel, A. T., Thompkins, A., & Katz, J. S. (2015). Prototypes and exemplars. The Encyclopedia of Clinical Psychology. Wiley-Blackwell.
3. Magnotti, J. F., **Goodman, A. M.**, & Katz, J. S. (2012). The matching to sample paradigm. In Norbert M. Seel (Ed.), Encyclopedia of Science and Learning. Springer.

Submitted abstracts

Published abstracts

Poster Exhibits

* These authors contributed equally to this work.

1. Vennel, A., Chatfield, R. J., Cox, B. C., Fobian, A. D., Magnotti, J. F., Knight, D. C., Szaflarski, J. P., & **Goodman, A. M.** (2024). Stimulation artifact detection after standard preprocessing of sEEG neural signal in the amygdala during threat processing. UAB Spring Undergraduate Research Expo. Birmingham, AL.
2. **Goodman, A. M.**, Lin, W., Bryant, J., Nenert R., Szaflarski, J. P., Martin, R. C., Moyana, A., Pilkington, J., Mitchell, B. S., & Allendorfer, J. B. (2023). Altered Default Mode Connectivity is Related to Executive Function Performance in Idiopathic Generalized Epilepsies. Annual Meeting of the American Epilepsy Society. Orlando, FL.
3. Lin, W., **Goodman, A. M.**, Bryant, J., Nenert R., Martin, R. C., Szaflarski, J. P., VerHoef, L., Morgan, C. J., Buford, T. W., Miller, A. R., Moyana, A., Seladurai, G.,

- Pilkington, J., Mitchell, B. S., & Allendorfer, J. B. (2023). The Relationship Between Resting-State Functional Connectivity and Inhibitory Attention May Vary with Fitness and Seizure Frequency in Idiopathic Generalized Epilepsy. UAB Fall Undergraduate Research Expo. Birmingham, AL.
4. Nolan, A. N., **Goodman, A. M.**, Davis, K. E., Janko, D., Chatfield, R. J., Magnotti, J. F., & Szaflarski, J. P. (2023). Responses across high gamma, alpha, and theta frequency bands during acute psychosocial stress in humans. UAB Fall Undergraduate Research Expo. Birmingham, AL.
 5. **Goodman, A. M.**, Nolan, A. N., Davis, K. E., Janko, D., Chatfield, R. J., Magnotti, J. F., & Szaflarski, J. P. (2023). Distinct gamma frequency responses during components of acute psychosocial stress in humans. Annual Meeting of the Society for Neuroscience. Washington, DC.
 6. Davis, K. E., **Goodman, A. M.**, Janko, D., Wang., Z., Magnotti, J. F., & Szaflarski, J. P. (2023). A Direct Measure of an Indirect Process: sEEG and Implicit Emotion Processing. Annual Meeting of the Organization for Human Brain Mapping Montreal, CA.
 7. Sharma, A. A., Nenert, R. E., **Goodman, A. M.**, & Szaflarski, J. P. (2023). Finding a Multimodal Biomarker of Temporal Lobe Epilepsy: A Comparison of Data Fusion Methods. Annual Meeting of the Organization for Human Brain Mapping Montreal, CA.
 8. Szaflarski, J.P., Allendorfer J.B., **Goodman, A.M.**, Nenert, R., Gaston T. E., Grayson, L. P., Philip, N.S., Correia, S., LaFrance, Jr. W.C., & (2023) Facial emotion processing changes in functional seizures after neurobehavioral therapy. American Academy of Neurology 2023 Annual Meeting. Boston, MA.
 9. **Goodman, A. M.**, Janko, D., Davis, K. E., Pizarro. D., Thye, M. Wang., Z., Magnotti, J. F., & Szaflarski, J. P. (2022). Comorbid Anxiety is Related to Gamma Frequency Amygdala Response to Fearful Faces. Annual Meeting of the American Epilepsy Society. Nashville, TN.
 10. Davis, K. E., **Goodman, A. M.**, Janko, D., Thye, M. Wang., Z., Magnotti, J. F., & Szaflarski, J. P. (2022). SEEG activity varies across emotions in facial emotion processing. Annual Meeting of the American Epilepsy Society. Nashville, TN.
 11. Allendorfer, J. B., Nenert, R. E., **Goodman, A. M.**, Correia, S., Kakulamarr, P. S., LaFrance Jr., W. C., & Szaflarski, J. P. (2022). Fronto-parietal network functional connectivity, entropy, depression and quality of life in seizure disorders. Annual Meeting of the American Epilepsy Society. Nashville, TN.
 12. Nenert, R. E., Allendorfer, J. B., **Goodman, A. M.**, Correia, S., Gaston T. E., Grayson, L. P., Philip, N. S., Taylor, G. C., LaFrance Jr., W. C., & Szaflarski, J. P. (2022) Cognitive behavioral therapy – informed psychotherapy (CBT-ip) in seizures improves seizure control but not brain entropy. (2022) Neuroimaging Biomarker for Seizures: Treatment Outcomes. Annual Meeting of the American Epilepsy Society. Nashville, TN.
 13. Mueller, C., **Goodman, A.M.**, Nenert, R., Allendorfer J.B., Philip, N.S., Correia, S., Gaston T. E., Grayson, L. P., LaFrance, Jr. W.C., & Szaflarski, J.P., (2022) Changes in White Matter and Neurite Morphology in Response to Neurobehavioral Therapy for Nonepileptic (Functional) Seizures. Annual Meeting of the American Epilepsy Society. Nashville, TN.

14. Van Patten, R., Baird, G., Blum, A., Correia, S., Philip, N. S., Allendorfer, J.B., Gaston, T.E., **Goodman, A. M.**, Grayson, L.P., Tocco, K., Vogel, V., Martin, A.N., Fry, S., Szaflarski, J. P., & LaFrance Jr., W. C., (2022) Neuroimaging Biomarker for Seizures: Treatment Outcomes. Annual Meeting of the American Epilepsy Society. Nashville, TN.
15. *Janko, D., ***Goodman, A. M.**, Davis, K. E., Magnotti, J. F., Wang, Z., Pizarro, D., Thye, M. & Szaflarski, J. P. (2022). Auditory Feedback Processing in the Orbitofrontal Cortex. Annual Meeting of the American Epilepsy Society. Nashville, TN.
16. *Taylor, G. C., ***Goodman, A. M.**, Sharma, A. A., Allendorfer, J. B., LaFrance Jr., W. C., & Szaflarski, J. P. (2022). Machine Learning for Biomarker Detection and Classification of Functional Seizures Following TBI. Annual Meeting of the American Epilepsy Society. Nashville, TN.
17. Ortiz-Braidot, R., Popp, J. L., Szaflarski, J. P., Martin, R. C., **Goodman, A. M.**, & Allendorfer, J. B.(2022) Relationships between self-reported leisure-time exercise levels and executive attention during fMRI in IGE and control participants. Annual Meeting of the American Epilepsy Society. Nashville, TN.
18. Sharma, A. A., Nenert, R. E., **Goodman, A. M.**, & Szaflarski, J. P. (2022). Brain temperature elevations: a biomarker of microstructural tissue damage in focal epilepsy. Annual Meeting of the Society for Neuroscience. San Diego, CA.
19. Van Patten, R., Baird, G., Blum, A., Correia, S., Philip, N. S., Allendorfer, J.B., **Goodman, A. M.**, Szaflarski, J. P. Tocco, K., & LaFrance Jr., W. C., (2022) Neuroimaging Biomarker for Seizures Clinical Outcomes. 4th International Conference on Functional Neurological Disorder
20. Sharma, A. A., **Goodman, A. M.**, Allendorfer, J. B., LaFrance Jr., W. C., & Szaflarski, J. P. (2022). Neuroplastic Changes Following Cognitive Behavioral Therapy in Patients with Functional Seizures. Annual Meeting of the Organization for Human Brain Mapping (virtual meeting).
21. Bolaji, M. T., **Goodman, A. M.**, & Nenert, R. E., Szaflarski, J. P., & Allendorfer, J. B. (2022). Exercise Changes White Matter and Neurite Morphology in Patients with Idiopathic Generalized Epilepsy. American Academy of Neurology 2022 Annual Meeting. Seattle, WA.
22. **Goodman, A. M.**, Allendorfer, J. B., Martin, A. N., Vogel, V., Tocco, K., Correia, S., Phillip, N.S., LaFrance Jr., W. C., & Szaflarski, J. P. (2021). Altered neural response to stress differs in functional and epileptic seizures following TBI. Annual Meeting of the American Epilepsy Society. Chicago, IL.
23. *Kakulamari, P.S., ***Goodman, A. M.**, Allendorfer, J. B., Phillip, N.S., LaFrance Jr., W. C., & Szaflarski, J. P. (2021). Default mode and executive control networks resting-state connectivity changes vary with psychiatric symptoms in functional psychogenic nonepileptic seizures following TBI. Annual Meeting of the American Epilepsy Society. Chicago, IL.
24. *Byington, C. G., ***Goodman, A. M.**, Allendorfer, J. B., Correia, S., LaFrance Jr., W. C., & Szaflarski, J. P. (2021). Right uncinate fasciculus anatomy is related to mental health symptom expression in functional seizures following TBI. Annual Meeting of the American Epilepsy Society. Chicago, IL.

25. Sharma, A. A., **Goodman, A. M.**, Allendorfer, J. B., Phillip, N.S., Correia, S., LaFrance Jr., W. C., & Szaflarski, J. P. (2021). Are brain atrophy and aberrant cortical folding in regions regulating emotion morphological fingerprints of psychogenic non-epileptic seizures? Annual Meeting of the American Epilepsy Society. Chicago, IL.
26. Nenert, R. E., Allendorfer, J. B., **Goodman, A. M.**, Kakulamari, P.S., Correia, S., Phillip, N.S., LaFrance Jr., W. C., & Szaflarski, J. P. (2021). Fronto-parietal network functional connectivity, depression and quality of life in people with epilepsy or psychogenic non-epileptic seizures (PNES). Annual Meeting of the American Epilepsy Society. Chicago, IL.
27. Allendorfer, J. B., **Goodman, A. M.**, Byington, C. G., Correia, S., Phillip, N.S., LaFrance Jr., W. C., & Szaflarski, J. P. (2021). Differential emotion processing is associated with delay in diagnosis of functional seizures. Annual Meeting of the American Epilepsy Society. Chicago, IL.
28. Sharma, A. A., Nenert, R. E., **Goodman, A. M.**, & Szaflarski, J. P. (2021). Concordance between brain temperature, extracellular free water, and dendritization in epilepsy. Poster accepted at the Annual Meeting of the Organization for Human Brain Mapping (virtual meeting).
29. *Kakulamari, P.S., ***Goodman, A. M.**, Nenert, R. E., LaFrance Jr., W. C., & Szaflarski, J. P. (2020). Altered salience-motor network functional connectivity varies with psychiatric symptoms in PNES following TBI. Annual Meeting of the American Epilepsy Society (virtual meeting).
30. **Goodman, A. M.**, LaFrance Jr., W. C., & Szaflarski, J. P. (2020). Neural response to stress depends on time-to-diagnosis in psychogenic non-epileptic seizures following TBI. Annual Meeting of the American Epilepsy Society (virtual meeting).
31. Sharma, A. A., Nenert, R. E., **Goodman, A. M.**, Mueller, C., Younger, J., & Szaflarski, J. P. (2020). Brain Temperature Mapping: A Tool for Localizing Epileptogenic Zone. Annual Meeting of the American Epilepsy Society. (virtual meeting).
32. Popp, J. L., Willoughby, W.R., Nenert, R. E., Szaflarski, J. P., **Goodman, A. M.**, & Allendorfer, J. B., (2020). Glymphatic System Activity and Exercise in People with Idiopathic Generalized Epilepsy. Poster presented at the UAB Summer Research Virtual Expo. Birmingham, AL.
33. **Goodman, A. M.**, LaFrance Jr., W. C., & Szaflarski, J. P. (2020). DTI-ALPS index reveals age-related glymphatic system impairment in epilepsy following TBI. Poster accepted at the Annual Meeting of the Organization for Human Brain Mapping (virtual meeting).
34. **Goodman, A. M.**, Balachandran, N., Allendorfer, J. B., Martin, A. N., Vogel, V., Tocco, K., LaFrance Jr., W. C., & Szaflarski, J. P. (2020). Altered Hippocampal Function and Self-Reflection Network in Psychogenic Nonepileptic Seizures (PNES). Poster accepted at the Annual Meeting of the Organization for Human Brain Mapping (virtual meeting).
35. Allendorfer, J. B., **Goodman, A. M.**, Byington, C.B., Martin, A. N., Vogel, V., Tocco, K., LaFrance Jr., W. C., & Szaflarski, J. P. (2020). Mood symptom severity affects prefrontal emotion processing in psychogenic nonepileptic seizures. Poster accepted at the Annual Meeting of the Organization for Human Brain Mapping (virtual meeting).

36. Nenert, R. E., **Goodman, A. M.**, Allendorfer, J. B., & Szaflarski, J. P. (2020). Glymphatic system activity declines with age in older but not in younger individuals. Poster accepted at the Annual Meeting of the Organization for Human Brain Mapping. Montreal, Canada.
37. **Goodman, A. M.**, Allendorfer, J. B., LaFrance Jr., W. C., & Szaflarski, J. P. (2019). White Matter Integrity and Neurite Morphology Are Related to Patient Profiles in Psychogenic Nonepileptic Seizures Following TBI. Poster presented at the Annual Meeting of the American Epilepsy Society. Baltimore, MD.
38. Balachandran, N., **Goodman, A. M.**, Allendorfer, J. B., Martin, A. N., Vogel, V., Tocco, K., LaFrance Jr., W. C., & Szaflarski, J. P. (2019). Altered Neural Response to Stress is Related to Mental Health Symptoms in Psychogenic Nonepileptic Seizures Following TBI. Poster presented at the Annual Meeting of the American Epilepsy Society. Baltimore, MD.
39. Davis, E. S., **Goodman, A. M.**, Elliott, M. N., Schuster, M. A., Tortolero, S., & Knight, D. C., Mrug, S., & Knight, D. C. (2019) Violence exposure contributes to sex differences in the neural response to stress. Poster presented at the 49th Annual Meeting of the Society for Neuroscience. Chicago, Illinois.
40. **Goodman, A. M.**, Allendorfer, J. B., Baird, G., Blum, A., Bolding, M., Correia, S., ver Hoef, L., Gaston, L., Grayson, L., Kraguljac, N., Lahti, A., Martin, A., Monroe, W., Philip, N. S., Skidmore, F., Tocco, K., Vogel, V., LaFrance Jr., W. C., & Szaflarski, J. P. (2019) Axonal integrity and neurite morphology in psychogenic nonepileptic seizures following TBI. Poster presented at the Annual Meeting of the Organization for Human Brain Mapping. Rome, Italy.
41. **Goodman, A. M.**, Diggs, M. D., Balachandran, N., Kakulamari, P.S., Allendorfer, J. B., & Szaflarski, J. P. (2019) Neurobehavioral response to acute psychosocial stress is a valid measure for clinical interventions. Poster presented at the Annual Meeting of the Organization for Human Brain Mapping. Rome, Italy.
42. Diggs, M. D., **Goodman, A. M.**, Allendorfer, J. B., Byington, C. A., Nenert, R.E., & Szaflarski, J. P. (2019) Facial recognition and emotional processing in healthy controls for time points 13 weeks apart. Poster presented at the Annual Meeting of the Organization for Human Brain Mapping. Rome, Italy.
43. **Goodman, A. M.**, Allendorfer, J. B., & Szaflarski, J. P. (2018) The Relationship Between the Neural Response to Stress and Perceived Stress Varies in Patients with Left Temporal Lobe Epilepsy. Poster presented at the Annual Meeting of the American Epilepsy Society. New Orleans, LA.
44. Dark, H. E., Harnett, N. G., **Goodman, A. M.**, Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero, S., & Knight, D. C. (2018) Functional connectivity influences stress-induced changes in autonomic arousal. Poster presented at the 48th Annual Meeting of the Society for Neuroscience. San Diego, California.
45. Davis, E. S., **Goodman, A. M.**, Orem, T. R., Harnett, N. G., Wheelock M. D., Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero, S., & Knight, D. C. (2018) Race, violence exposure, and the psychosocial stress response. Poster presented at the 48th Annual Meeting of the Society for Neuroscience. San Diego, California.

46. Harnett, N. G., Wood, K. H., Wheelock M. D., **Goodman, A. M.**, Mrug, S., Elliott, M. N., Schuster, M. A., Tortolero, S., & Knight, D. C. (2018) Negative life experiences contribute to racial differences in the neural response to threat. Poster presented at the 48th Annual Meeting of the Society for Neuroscience. San Diego, California.
47. **Goodman, A. M.**, Wheelock M. D., Harnett, N. G., Hurst, D. R., Orem, T. R., Deshpande, G., Mrug, S., & Knight, D. C. (2017) Stress-induced changes in effective connectivity during the emotional response to threat. Poster presented at the 47th Annual Meeting of the Society for Neuroscience. Washington, D.C.
48. Davis, E. S., **Goodman, A. M.**, Orem, T. R., Wheelock M. D., Harnett, N. G., Mrug, S., & Knight, D. C. (2017) Self-reported stress, violence exposure, and neural activity. Poster presented at the 47th Annual Meeting of the Society for Neuroscience. Washington, D.C.
49. Purcell, J. P., **Goodman, A. M.**, Harnett, N. G., Mrug, S., Elliott, M. N., Tortolero, S., Schuster, M. A., & Knight, D. C. (2017) Investigating the effects of violence exposure, physical abuse, and sexual abuse on brain activity following exposure to psychosocial stress. Poster presented at the 47th Annual Meeting of the Society for Neuroscience. Washington, D.C.
50. Dark, H. E., Harnett, N. G., **Goodman, A. M.**, Wheelock M. D., Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero, S., & Knight, D. C. (2017) Affective style modulates the relationship between cumulative violence exposure and change in functional connectivity after stress-induction. Poster presented at the 47th Annual Meeting of the Society for Neuroscience. Washington, D.C.
51. Bell, K., Harnett, N. G., **Goodman, A. M.**, Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero, S., & Knight, D. C. (2017). The influence of environment during adolescence on white matter structure. Poster presented at the 47th Annual Meeting of the Society for Neuroscience. Washington, D.C.
52. **Goodman, A. M.**, Harnett, N.G., Wheelock M. D., Orem, T. R., Mrug, S., Granger, D. A., & Knight, D. C. (2016) Neural substrates underlying alterations in fear conditioning following acute stress. Poster presented at the 46th Annual Meeting of the Society for Neuroscience. San Diego, California.
53. Orem, T. R., Wheelock M. D., Harnett, N. G., Wood, K. H., **Goodman, A. M.**, Mrug, S., Granger, D. A., & Knight, D. C. (2016). Amygdala and prefrontal cortex activity varies with individual differences in the stress response. Poster presented at the 46th Annual Meeting of the Society for Neuroscience. San Diego, California.
54. Dark, H. E., Harnett, N. G., **Goodman, A. M.**, Wheelock M. D., Mrug, S., Schuster, M. A., Elliott, M. N., Tortolero, S., & Knight, D. C. (2016). Stress-induced changes in resting state functional connectivity vary with history of violence exposure. Poster presented at the 46th Annual Meeting of the Society for Neuroscience. San Diego, California.
55. **Goodman, A. M.**, Robinson, J. L., Salibi, N., Denney, T. S., & Katz, J. S. (2015). Neural correlates of abstract rule use within the rostro-caudal axis of the frontal lobes. Poster Presented at the 4th Annual UAB & Auburn Brain Imaging Retreat. Lake Martin, Alabama

56. Rangaprakash, D, Deshpande, G., Daniel, T. A., **Goodman, A. M.**, Katz, J. S., Salibi, N., Denney, T. S., & Dretsch, M. N., (2015). Static and dynamic functional connectivity impairments in soldiers with PTSD and mTBI. Poster Presented at the 21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI.
57. Rangaprakash, D, Deshpande, G., Daniel, T. A., **Goodman, A. M.**, Katz, J. S., Salibi, N., Denney, T. S., & Dretsch, M. N., (2015). Static and dynamic functional connectivity impairments in concussed soldiers with and without PTSD. Poster Presented at the International Society for Magnetic Resonance in Medicine. Toronto, CA.
58. Rangaprakash, D, Deshpande, G., Dutt, N., Daniel, T. A., **Goodman, A. M.**, Katz, J. S., Salibi, N., Denney, T. S., & Dretsch, M. N., (2015). Global brain network alterations in post-traumatic stress disorder and post-concussion syndrome. Poster Presented at the International Society for Magnetic Resonance in Medicine. Toronto, CA.
59. *Daniel, T. A., ***Goodman, A. M.**, Wright, A. A., & Katz, J. S. (2014). Pseudoconceptual learning with humans and pigeons. Poster Presented the Annual International Meeting of the Psychonomic Society. Long Beach, CA.
60. Kwon, W., Deshpande, G., Byun, S., Katz, J. S., Forsythe, S., **Goodman, A. M.**, Huang, X. & Wang, Y. (2014). Buying Motivations: Behavioral and Neural Cross-Validation. Poster Presented at the Auburn University's Research Week 2014, Auburn, AL.
61. Dretsch, M., Wood, K., Daniel, A., **Goodman, A. M.**, Katz, J., Beyers, R., Wheelock, M., Salibi, N., Traynham, S., Deshpande, G., Denney, T., & Knight, D. (2014). Disrupted neural circuitry associated with an emotional threat task in U.S. Soldiers. 9th Annual Amygdala, Stress and PTSD Conference: Bench to Bedside. Bethesda, MD.
62. Thompkins, A.T., **Goodman, A. M.**, & Katz, J.S. (2014). Can dogs learn an auditory same/different concept? Poster presented at the International Conference on Comparative Cognition, Melbourne, FL.
63. Derr, M.E., **Goodman, A. M.**, Katz, J.S., & Dretsch, M. (2014). Emotion numbing associated with mild traumatic brain injury differs in civilian and military populations when examined using the Military Affective Picture System (MAPS). Poster presented at the Annual Teaching and Research Festival. Auburn, AL.
64. Derr, M.E., **Goodman, A. M.**, Katz, J. S., & Dretsch, M. (2014). Using the Military Affective Picture System (MAPS) to examine emotion numbing associated with mild traumatic brain injury in civilian and military populations. Poster presented at the Alabama Alliance for Students with Disabilities in STEM (AASD-STEM) 4th Annual Conference, Auburn, AL.
65. Katz, J. S., Daniel, T. A., **Goodman, A. M.**, Denney, T., Deshpande, G., Traynham, S., Iverson, G. L., & Dretsch, M. N. (2014). fMRI correlates of emotional dysregulation in U.S. soldiers with post-concussion syndrome. Poster presented at the 10th World Congress on Brain Injury, San Francisco, CA.
66. Kwon, W., Deshpande, G., Byun, S., Katz, J. S., Forsythe, S., Franco-Watkins, A., Koullas, N., Magnotti, J. F., **Goodman, A. M.**, Chang, J. Y., & Huang, X. (2013). Neural Underpinnings of Scarcity Bias. Poster Presented at the Auburn University's Research Week 2013, Auburn, AL.

67. **Goodman, A. M.**, Magnotti, J. F., Wright, A. A., & Katz, J. S. (2013). Number of exemplars controls abstract rule use in reversal learning task with pigeon. Poster Presented at the Annual International Meeting of the Psychonomic Society. Toronto, CA.
68. Wood, K. H., Daniel, T. A., **Goodman, A. M.**, Katz, J. S., Beyers, R., Wheelock, M., Salibi, N., Cabrera, MAJ O., Traynham, S., Deshpande, G., Denney, T.S., CPT Dretsch, M., & Knight D. C. (2013) Learning-related changes in the emotional response to a threat among PTSD and healthy soldiers. Poster Presented at the 2nd Annual UAB & Auburn Brain Imaging Retreat. Lake Martin, Alabama.
69. Thompkins, A., Rivera, M., **Goodman, A. M.**, & Katz, J. S. (2011). Novel-item transfer testing & stimulus reversals in a same/different task. Poster presented at the Annual Teaching and Research Festival. Auburn, AL.
70. **Goodman, A. M.**, Katz, J. S., & Wright, A. A. (2011). Pigeons transfer concept learning across reversals of same and different responses. Poster presented at the Annual Meeting of the Comparative Cognition Society. Melbourne, FL.
71. Lazarowski L., Eure R., Gleason M., **Goodman A. M.**, Mack A., McLean A., Stakias P., Ward A., Galizio M., & Bruce K. (2010). Effects of set-size on abstract concept learning in rats using olfactory (N)MTS procedures. Poster presented at the Annual Meeting of the Comparative Cognition Society. Melbourne, FL
72. **Goodman, A. M.**, Katz, J. S., & Wright, A. A. (2010). Same/different reversal learning in pigeons. Poster presented at the Annual Meeting of the Comparative Cognition Society. Melbourne, FL.
73. Lefever, T. W., Lazarowski, L., **Goodman, A. M.**, Ward, A., & Galizio, M. (2008). Delayed match-to-sample with olfactory stimuli in rats. Poster presented at the Annual Meeting of the Society for Neuroscience. Washington, DC.
74. Poerstel, L. B., Eure, R., Gleason, M., **Goodman, A.M.**, Jordan, L., Lazarowski, L., Galizio M., & Bruce K. (2008). Testing of stimulus equivalence using olfactory matching-to-sample procedures. Poster presented at the Annual Meeting of the Comparative Cognition Society. Melbourne, FL.

Oral Presentations

1. **Goodman, A. M.** (2023) Extending a line of fMRI task-based work to iEEG approaches that will explore new avenues of brain/behavior relationships. Invited talk presented at the 10th Annual Alabama Advanced Imaging Consortium (AAIC) Imaging Retreat. Lake Martin, AL.
2. **Goodman, A. M.**, (2022) Relationship between resting state functional connectivity in PNES and behavioral / neuropsychiatric measures. Invited talk presented as part of Special Interest Group (SIG) Symposium *Update on neuroimaging of PNES and other FNDs* at the American Epilepsy Society Annual Meeting. Nashville, TN.
3. Szaflarski, J. P., Sharma, A. A., **Goodman, A. M.**, & Nenert, R. E. (2022). Brain Temperature Elevations Parallel Unrestricted Water Movement and Increased Myelination in Temporal Lobe Epilepsy. American Academy of Neurology 2022 Annual Meeting. Seattle, WA.

4. **Goodman, A. M.** & Szaflarski, J. P. (2021) sEEG assessment of memory and emotion processes: Past, present, and future. Invited talk presented at the August quarterly epilepsy division research meeting. Birmingham, AL.
5. **Goodman, A. M.** & Szaflarski, J. P. (2020) Relationship between neural responses to stress and mental health symptoms in PNES after TBI. Invited talk presented at the May quarterly epilepsy division research meeting. Birmingham, AL.
6. **Goodman, A. M.** & Szaflarski, J. P. (2019) NODDI in Psychogenic Seizures and TBI. Invited talk presented at the 8th Annual Alabama Advanced Imaging Consortium (AAIC) Imaging Retreat. Cheaha State Park, AL.
7. **Goodman, A. M.** & Szaflarski, J. P. (2019) Axonal integrity and neurite morphology in psychogenic nonepileptic seizures following TBI. Invited talk presented at the May quarterly epilepsy division research meeting. Birmingham, AL.
8. Mrug, S., Knight, D. C., Davis, E. S., **Goodman, A. M.**, Harnett, N. G., Elliott, M. N., Tortolero, S., & Schuster, M. A. (2018) Violence Exposure through Adolescence and Neural Reactivity to Stress. Talk presented at the Society for Research on Adolescence Biennial Meeting. Minneapolis, MN.
9. **Goodman, A. M.** & Knight, D.C. (2019) Neurobiology Mediating Stress-related Impacts on Fear Learning and Emotion Regulation. Invited talk presented at the UAB/Auburn Neuroimaging Journal Club. Birmingham, AL.
10. **Goodman, A. M.**, Daniel, T. A., Katz, J. S., Denney, T., Deshpande, G., Traynham, S., Cabrera, O., & Dretsch, M. (2013). Examining affective regulation in healthy and post concussive syndrome (PCS) diagnosed soldiers using functional magnetic resonance imaging (fMRI). Talk given at the Annual Teaching and Research Festival. Auburn, AL.
11. **Goodman, A. M.**, Magnotti, J. F., Wright, A. A., & Katz, J. S. (2013). Visual information load is shown to vary across categories and discrimination difficulty in pigeons (*Columba livia*). Talk given at the International Conference on Comparative Cognition, Melbourne, FL.
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15. **Goodman, A. M.**, Katz, J. S., & Wright, A. A. (2011). Effects of relative training set-size and stimulus reversals on relational learning in pigeons. Talk given at the Annual Fall Meeting of the Comparative Cognition Society. Seattle, WA.
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Miscellaneous:

1. Dretsch, M., Thiel, K., Born, S., **Goodman, A. M.**, & Katz, J.S. (2013). Military Affective Picture Set (MAPS) [Picture Repository]. Unpublished instrument. Fort Rucker, AL: USAARL