

JORDAN P. HAMM

jhamm1@gsu.edu

CURRENT POSITION

2018- current Assistant Professor
Neuroscience Institute
College of Arts and Sciences
Georgia State University

EDUCATION and TRAINING

2008 B.A. University of Georgia, Philosophy
2010 M.S. University of Georgia, Psychology
2013 Ph.D. University of Georgia, Neuroscience
 Advisor: Brett A. Clementz, Ph.D.
2014 – 2018 Postdoctoral Research Fellow
 Columbia University
 Department of Biological Sciences
 Advisor: Rafael Yuste, M.D., Ph.D.

SCHOLARSHIP and PROFESSIONAL DEVELOPMENT

FUNDING

Current:

External:

2021-26 “Sex differences in microglia-neuron-circuit interactions in adolescence”,
National Institutes of Health. R01MH128176, **PI: J.P. Hamm.** Co-I: J. Stern, A.
Murphy (5 years; \$250,000 per year direct)

2021-26 “Inverse neurovascular coupling in the hypothalamus and its role in positive
feedback regulation of vasopressin neurons in health and disease”, National
Institutes of Health. R01HL162575, PI: J. Stern, A. **Co-I: J.P. Hamm.** (5 years;
\$772,000 per year total)

2022-23 “Transcriptomic Profiling of a Novel Subtype of Cortical Neurons Selective for
Sensory Prediction Errors”, Brain and Behavior Research Foundation (BBRF)
Young Investigator Grant **PI: J.P. Hamm** (NARSAD; 2 years; \$35,000 per year,
direct).

2019-22 “Mapping the role of basal forebrain projections to visual cortex in novelty
processing”, Whitehall Foundation, **PI: J.P. Hamm** (3 years; \$75,000 per year
direct)

2017-21 “Fronto-sensory circuit mechanisms of perceptual novelty processing”, National Institutes of Health. K99/R00MH115082, **PI: J.P. Hamm**. Sponsor: R. Yuste. Consultants: A. Churchland; J. Gogos (5 years; \$100,000-\$250,000 per year total)

Mentored:

2021-24 “Large-scale monitoring of circuits for adaptation and novelty detection in primary visual cortex”, National Institutes of Health. F32MH125445, PI: J.M. Ross (Hamm lab postdoc), **Mentor: J.P. Hamm**; Co-sponsors: H.E. Albers, Y. Molkov (3 years; \$71,000 per year direct)

Completed:

External:

2014-17 “Two-photon analysis of circuit-level mechanisms of schizophrenia biomarkers”, National Institutes of Health. F32MH106265, **PI: J.P. Hamm**. Mentor: R. Yuste. Co-sponsors: D. Javitt, J. Gordon. (3 years. \$53,000 per year direct)

Internal:

2021-21 “Adolescent and sex-specific effects of cortical microglia hyperactivation on biomarkers of schizophrenia” Seed grant, Center for Neuroinflammation and Cardiometabolic Diseases, Georgia State University. PI: J.P. Hamm (\$15,000 Direct)

2020-21 “Parallel studies of novelty-processing circuits in humans and mice”, Brains and Behavior seed grant, Georgia State University. PI: J.P. Hamm; Co-PI: J. Malins; V. Calhoun (\$30,000 Direct)

2016-17 “Translational neurophysiology of neuropsychiatric disorders: leveraging the BRAIN initiative” Interdisciplinary Research Initiatives Seed (IRIS) funding program, Columbia University. PI: D. Javitt. Co-PI: J.P. Hamm, R. Yuste. (\$100,000)

AWARDS

2018 American College of Neuropsychopharmacology (ACNP) Travel Award
2018 Gordon Research Conference Travel Award for “Thalamocortical Interactions”
2017 International Congress on Schizophrenia Research (ICOSR) Young Investigator award
2013 Herbert Zimmer Award, University of Georgia
2010-12 Paul D. Coverdell Franklin Foundation Fellowship in Neuroimaging
2008 Travel Award, University of Georgia

PUBLICATIONS

(peer-reviewed journal articles)

Roy, R.K., Althammer, F., Seymour, J.A., Du, W., Biancardi, V.C., **Hamm, J.P.**, Filosa, J.A., Brown, C.H., Stern, J.E. (2021) Inverse neurovascular coupling contributes to positive feedback excitation of vasopressin neurons during a systemic homeostatic challenge. *Cell Reports*. DOI: 10.1016/j.celrep.2021.109925

- Hamm, J.P.**, Shymkiv, Y., Han, S., Yang, W. Yuste, R. Cortical ensembles selective for context. (2021). *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*. 118(14):e2026179118. DOI: 10.1073/pnas.2026179118.
- Van Derveer, A.B, Bastos, G, Ferrell. A.D., Gallimore, C.G., Greene, M.L., Holmes, J.T., Kubricka, V., Ross, J.M., **Hamm, J.P.** (2020) A role for somatostatin-positive interneurons in neuro-oscillatory and information processing deficits in schizophrenia. *Schizophrenia Bulletin*. DOI: 10.1093/schbul/sbaa184
- Wenzel, M., **Hamm, J.P.** (2020) Identification and quantification of neuronal ensembles in optical imaging experiments. *Journal of Neuroscience Methods*. 351, 109046. DOI: 10.1016/j.jneumeth.2020.109046
- Ross, J.M., **Hamm, J.P.** (2020) Cortical Microcircuit Mechanisms of Mismatch Negativity and Its Underlying Subcomponents. *Front Neural Circuits*. 14:13. DOI: 10.3389/fncir.2020.00013
- Zhou ZC, Huang WA, Yu Y, Negahbani, E., Stitt, I.M., Alexander, M.L., **Hamm, J.P.**, Kato, H.K., Frölich, F. (2020). Stimulus-specific regulation of visual oddball differentiation in posterior parietal cortex. *Scientific Reports*. 10(1):13973. DOI: 10.1038/s41598-020-70448-6
- Hamm, J.P.**, Shymkiv, Y., Gogos, J.A., Yuste, R. (2020). Aberrant cortical ensembles and schizophrenia-like sensory phenotypes in *setd1a* mice. *Biological Psychiatry*. 88(3):215-223. DOI: 10.1016/j.biopsych.2020.01.004
- Wenzel, M., **Hamm, J.P.**, Peterka, D.S., Yuste, R. (2019) Acute focal seizures start as local synchronizations of neuronal ensembles. *Journal of Neuroscience*. 39(43);8562-75. DOI: 10.1523/JNEUROSCI.3176-18.2019
- Bobilev, A.M., Hudgens-Haney, M.E., **Hamm, J.P.**, Oliver, W.T., McDowell, J.E., Lauderdale, J.D., Clementz, B.A (2019) Early and late auditory information processing show opposing deviations in aniridia. *Brain Research*. 1720:146307. DOI: 10.1016/j.brainres.2019.146307
- Parker, D.P., **Hamm, J.P.**, McDowell, J.E., Keedy, S.K., Gershon, E.S., Ivleva, E.I., Pearson, G.D., Keshavan, M.S., Tamminga, C. A., Sweeney, J.A., Clementz, B.A (2019) Auditory steady-state EEG response across the schizo-bipolar spectrum. *Schizophrenia Research*. 209: 218-226. DOI: 10.1016/j.schres.2019.04.014
- Jayant, K., Wenzel, M., Bando, Y., **Hamm, J.P.**, Owen, J.S., Sahin, O., Shepard, K.L, Yuste, R. (2019). Targeted intracellular recordings from deep-layer cortical neurons *in vivo*. *Cell Reports*. 26 (1): 266-278. DOI: 10.1016/j.celrep.2018.12.019
- Agetsuma, M., **Hamm, J.P.**, Tao, K., Fujisawa, S., Yuste, R. (2018) Parvalbumin-positive interneurons regulate neuronal ensembles in visual cortex. *Cerebral Cortex*. 28(5):1831:45. doi: 10.1093/cercor/bhx169.

- Hamm, J.P.**, Peterka, D.S., Gogos, J.A., Yuste, R. (2017) Altered cortical ensembles in mouse models of schizophrenia. *Neuron*. 94, 1, 153–167. doi: 10.1016/j.neuron.2017.03.019.
- Wenzel, M., **Hamm, J.P.**, Peterka, D.S., Yuste, R. (2017) Reliable and elastic propagation of cortical seizures *in vivo*. *Cell Reports*. 27;19 (13): 2681-2693. doi: 10.1016/j.celrep.2017.05.090.
- Hamm, J.P.**, Yuste, R. (2016). Somatostatin Interneurons Control a Key Component of Mismatch Negativity in Mouse Visual Cortex. *Cell Reports*. 16, 407–420. doi: 10.1016/j.celrep.2016.06.037.
- Clementz, B.A., Sweeney, J.A., **Hamm, J.P.**, Ivleva, E.I., Ethridge, L.E., Pearlson, G.D., Keshavan, M.S., Tamminga, C.A. (2016). Identification of Distinct Psychosis Biotypes Using Brain-Based Biomarkers. *American Journal of Psychiatry*. 173(4):373-84. doi: 10.1176/appi.ajp.2015.14091200.
- Hayrynen, L.K., **Hamm, J.P.**, Sponheim, S.R., Clementz, B.A. (2016) Frequency-specific disruptions of neuronal oscillations reveal aberrant auditory processing in schizophrenia. *Psychophysiology*. 53(6):786-95. doi: 10.1111/psyp.12635.
- Mokhtari, M., Narayanan, B., **Hamm, J.P.**, Soh, P., Calhoun, V.D., Ruaño, G., Kocherla, M., Windemuth, A., Clementz, B.A., Tamminga, C.A., Sweeney, J.A., Keshavan, M.S., Pearlson, G.D. (2015) Multivariate Genetic Correlates of the Auditory Paired Stimuli-Based P2 Event-Related Potential in the Psychosis Dimension From the BSNIP Study. *Schizophrenia Bulletin*. 42(3):851-62. doi: 10.1093/schbul/sbv147.
- Carrillo-Reid L., Miller J.E., **Hamm, J.P.**, Jackson J., Yuste, R. (2015). Endogenous Sequential Cortical Activity Evoked by Visual Stimuli. *Journal of Neuroscience*. 35(23):8813-28. doi: 10.1523/JNEUROSCI.5214-14.2015.
- Hamm, J.P.**, Oliver, W.T., Hudgens-Haney, M., Bobilev, A., McDowell, J.E., Buckley, P.F., Clementz, B.A. (2015). Stimulus Train Duration but Not Attention Moderates γ -band Entrainment Abnormalities in Schizophrenia. *Schizophrenia Research*. 165(1):97-102. doi: 10.1016/j.schres.2015.02.016.
- Ethridge, L.E., **Hamm, J.P.**, Pearlson, G.D., Tamminga, C.A., Sweeney, J.A., Keshavan, M.S., Clementz, B.A. (2015). Event-related Potential and Time-frequency Endophenotypes for Schizophrenia and Psychotic Bipolar Disorder. *Biological Psychiatry*. 77(2):127-36. doi: 10.1016/j.biopsych.2014.03.032.
- Hamm, J.P.**, Ethridge, L.E., Boutros, N.N., Keshavan, M.S., Sweeney, J.A., Pearlson, G.D., Tamminga, C.A., Clementz, B.A. (2014). Diagnostic Specificity and Familiality of Early versus Late Evoked Potentials to Auditory Paired-Stimuli across the Schizophrenia-Bipolar Psychosis Spectrum. *Psychophysiology*. 51(4):348-57. doi: 10.1111/psyp.12185.
- Hamm, J.P.**, Ethridge L.E., Shapiro J.R., Pearlson, G.D., Tamminga, C.A., Sweeney, J.A., Keshavan, M.S., Thaker, G., Clementz, B.A. (2013). Family History of Psychosis Moderates Early Auditory Cortical Response Abnormalities in Non-psychotic Bipolar Disorder. *Bipolar Disorders*. 15(7):774-86. doi: 10.1111/bdi.12110.

- Ivleva, E.I., Moates, A.F., **Hamm, J.P.**, Bernstein, I.H., Cole, D., Clementz B.A., Thaker, G., Tamminga C.A. (2013). Smooth Pursuit Eye Tracking, Prepulse Inhibition, and Auditory ERP Endophenotypes across the Schizophrenia - Bipolar Disorder Psychosis Dimension. *Schizophrenia Bulletin*. 40(3):642-52. doi: 10.1093/schbul/sbt047.
- Hudgens-Haney, M.E., **Hamm, J.P.**, Goodie, A.S., Krusemark, E.A., McDowell, J.E., Clementz, B.A. (2013). Neural Correlates of the Impact of Control on Decision Making in Pathological Gamblers. *Biological Psychology*. 92(2):365-72. doi: 10.1016/j.biopsycho.2012.11.015.
- Hamm, J.P.**, Sabatinelli, D., Clementz, B.A. (2012) Alpha Oscillations and the Control of Voluntary Saccadic Behavior. *Experimental Brain Research*. 221(2): 123-128. doi: 10.1007/s00221-012-3167-8.
- Hamm, J.P.**, Gilmore, C.S., Clementz, B.A. (2012) Augmented Gamma Band Auditory Steady-State Responses: Support for NMDA Hypofunction in Schizophrenia. *Schizophrenia Research*. 138(1): 1-7. doi: 10.1016/j.schres.2012.04.003.
- Ethridge, L.E., **Hamm, J.P.**, Shapiro, J.R., Summerfelt, A.T., Keedy, S.K., Stevens, M.C., Pearlson, G., Tamminga, C.A., Boutros, N.N., Sweeney, J.A., Keshavan, M.S., Thaker, G., Clementz, B.A. (2012). Neural Activations During Auditory Oddball Processing Discriminating Schizophrenia and Psychotic Bipolar Disorder. *Biological Psychiatry*. 72(9):766-74. doi: 10.1016/j.biopsych.2012.03.034.
- Hamm, J.P.**, Dyckman, K.A., McDowell, J.E., Clementz, B.A. (2012) Pre-cue Fronto-Occipital Alpha Phase and Distributed Cortical Oscillations Predict Failures of Cognitive Control. *Journal of Neuroscience*. 32(20):7034-41. doi: 10.1523/JNEUROSCI.5198-11.2012.
- Hamm J.P.**, Ethridge L.E., Shapiro J.R., Stevens M.C., Boutros N.N., Pearlson, G., Tamminga, C.A., Boutros, N.N., Sweeney, J.A., Keshavan, M.S., Thaker, G., Clementz, B.A. (2012) Spatiotemporal and Frequency Domain Analysis of Auditory Paired Stimuli Processing in Schizophrenia and Psychotic Bipolar Disorder. *Psychophysiology*. 49(4):522-30. doi: 10.1111/j.1469-8986.2011.01327.x.
- Hamm, J.P.**, Gilmore, C.S., Picchetti, N, Sponheim, S.R., and Clementz, B.A. (2011). Abnormalities of Neuronal Oscillations and Temporal Integration to Low and High Frequency Auditory Stimulation in Schizophrenia. *Biological Psychiatry*. 69(10):989-96. doi: 10.1016/j.biopsych.2010.11.021.
- Hamm, J.P.**, Dyckman, K.A., Ethridge, L.E, McDowell, J.E., and Clementz, B.A. (2010). Preparatory activations across a distributed cortical network determine express saccade production. *Journal of Neuroscience*. 30(21):7350-7. doi: 10.1523/JNEUROSCI.0785-10.2010.

MANUSCRIPTS

Bastos, B., Ross, J.M., Gallimore, C.G., Ferrell, A., Holmes, J., **Hamm, J.P.** VIP interneurons mediate frontal-visual synchrony in the theta band during visual mismatch processing. *In preparation.*

Gallimore, C.G., Ricci, D., **Hamm, J.P.** Rhythmic synchronizations across neocortical laminae during a sensory oddball paradigm support a predictive coding framework. *In preparation.*

INVITED SEMINARS

Hamm, J.P., “Cortical circuits for predictive processing and novelty detection in the visual system” Talk given for the Frontiers in Neuroscience Seminar, Emory University, Atlanta, G.A.. Oct 15th, 2021

Hamm, J.P., “Circuits for sensory prediction error in visual cortex” Talk given for the Symposium on Hierarchical Processing in the Cerebral Cortex, USCD/Salk/Scripps, San Diego, C.A.. July 10th, 2021

Hamm, J.P., “Integrating stimuli in context in the cerebral cortex: cells, circuits, and oscillations.” Talk given for the Neuroscience Seminar Series, University of Georgia, Athens, GA. May 6th 2021

Hamm, J.P., “Novel Inroads to the Neuropathology of Schizophrenia Through Optical Interrogation of Neural Circuits.” Talk given for the Center for Diagnostics and Therapeutics, Georgia State University, Atlanta, GA, Nov 17th 2020

Hamm, J.P., “Cortical subnetworks encode sensory context” Talk given at University of Pittsburgh, Pittsburgh, PA. Dec 7th 2018

Hamm, J.P., “Distinct neuronal ensembles encode sensory stimulus context in the neocortex” Talk given at Georgia Tech, Atlanta, GA. Nov 17th, 2018

Hamm, J.P., “Two-photon Interrogation of Cortical Circuit Dynamics and Pathophysiology” Talk given at Childrens Hospital of Philadelphia (CHOP) and University of Pennsylvania (PENN). Philadelphia, PA. Oct 5th 2017

Hamm, J.P. "Unreliable neocortical ensemble activity in pharmacological and genetic mouse models supports an attractor pathophysiology of schizophrenia" Talk given at Rutgers University, Oct 4th, 2017

Hamm, J.P. "Two-photon interrogation of cortical circuit pathophysiology in a translational neuropsychiatric framework". Talk given at Emory University, Atlanta, GA. Aug 15th 2017

Hamm, J.P., "Leveraging two-photon and optogenetic neurotechnologies in a translational neuropsychiatric framework". Talk given at University of Georgia, Athens, GA. Jun 20th 2017

CONFERENCE PRESENTATIONS

(last 5 years. *presenting author. *Talks in italics*)

- Gallimore, C.G., **Hamm, J.P.** (2021). Local field potential signatures of context-specific processing in the mouse cortical column during visual oddball. Poster presented at 2021 Society for Neuroscience (SfN) Conference, virtual.
- Bastos, G., Holmes, J.T., Rader, A.M., **Hamm, J.P.** (2021). Chemogenetic suppression of VIP interneurons disrupts top-down alpha-band synchrony during visual oddball paradigm. Poster presented at 2021 Society for Neuroscience (SfN) Conference, virtual.
- Ross, J.M.* & **Hamm, J.P.** (2021). Characterizing the development of sensory prediction error in cortical circuits. Poster presented at 2021 Society for Neuroscience (SfN) Conference, virtual.
- Van Derveer, A.B.*, Gallimore, C.G., **Hamm, J.P.** (2021). Deviance-detection to multisensory mismatch in posterior parietal cortex of mice. Poster presented at 2021 Society for Neuroscience (SfN) Conference, virtual.
- Ferrell, A.D.*, Rader, A.M.*, Nisseau-Bey, Z., Sweet, R.A., Grubisha, M.J., **Hamm, J.P.** (2021). Schizophrenia-relevant mutation in Kalrn yields neurooscillatory aberrations in mouse sensory cortices. Poster presented at 2021 Society for Neuroscience (SfN) Conference, virtual.
- Hamm, J.P.***, Bastos, G., Holmes, J., Gallimore, C.G., Ferrell, A., Ross, J.M. (2021). Long-range synchronization in the alpha-band differentially engages VIP and SST interneurons in visual cortex to support novelty detection during an oddball paradigm. Poster presented at 2021 American College of Neuropsychopharmacology (ACNP) meeting in San Juan, Puerto Rico.
- Ross, J.M., **Hamm, J.P.*** (2021), Emergence of Coordinated Neuronal Ensembles Across Adolescence in Neocortical Microcircuits. Talk given in a symposium at 2021 Society for Biological Psychiatry conference, virtual.*
- Bastos, G.*, Gallimore, C.G., **Hamm, J.P.** (2021) Frequency-specific driving of frontal cortical feedback differentially engages V1 microcircuits. Poster presented at 2021 Society for Neuroscience (SFN) global connectome conference, virtual
- Gallimore, C.G.*, Ross, J.M., Holmes, J., Ferrell, A., **Hamm, J.P.** (2021) Differential responses to novel sensory stimuli among cortical neuron subtypes. Poster presented at 2021 Society for Neuroscience (SFN) global connectome conference, virtual
- Ross, J.M., Bastos, B., Ferrell, A., Gallimore, C.G., Holmes, J., **Hamm, J.P.*** (2020) Three non-overlapping cortical interneuron subtypes relate to distinct EEG biomarkers in Neuropsychiatry. Poster presented at 2020 American College of Neuropsychopharmacology (ACNP), virtual.
- Hamm, J.P.*** Aberrant cortical ensembles underlie schizophrenia-like phenotypes in *setd1a*

deficiency. Poster presented at 2019 American College of Neuropsychopharmacology (ACNP) meeting in Orlando, FL.

Van Derveer, A.B.*, Ferrell, A.D., Greene, M.L., Holmes, J.T., Kubricka, V., Ross, J.M., **Hamm, J.P.** (2019) Neuronal ensembles for auditory and visual novelty detection in posterior parietal cortex. Society for Neuroscience conference, Chicago, IL * presenter is mentee of Hamm. J.P.

Hamm, J.P. *, *Organizer and chair of minisymposium: “Expecting the unexpected: cortical circuits for novelty detection”, Society for Neuroscience conference in Chicago, IL, Oct 2019.*

Hamm, J.P.* Three-dimensional calcium imaging of cortical subnetworks encoding novel stimuli. Sculpted Light in the Brain conference, London, UK. June 2019

Hamm, J.P.*, Gogos, J.A. Yuste, Two-photon interrogation of a sensory biomarker of schizophrenia. Poster presented at 2018 American College of Neuropsychopharmacology (ACNP) meeting in Hollywood, FL.

Hamm, J.P.*, Shymkiv, Y., Han, S., Yang, W. Yuste, R. Distinct cortical ensembles process redundant and deviant sensory stimuli. Poster presented Nov 2018 at the Society for Neuroscience conference in San Diego, CA.

Hamm, J.P.*, *Shymkiv, Y., Yuste, R. The role of prefrontal inputs to visual cortex in biomarkers of sensoricognitive processing deficits. Talk given as a symposium at 2018 Society for Biological Psychiatry conference in New York, New York. Co-Chair of session.*

Hamm, J.P.*, *Shymkiv, Y., Yuste, R. Top-Down and Thalamocortical Contributions to Sensory Context Processing and Related Biomarkers of Schizophrenia. Talk given at 2018 Gordon Research Seminar on Thalamocortical Interactions in Italy.*

Hamm, J.P.*, *Gogos, J.A. Yuste, R. Cell and circuit mechanisms of EEG biomarkers in mouse models. Talk given as a symposium 2017 American College of Neuropsychopharmacology (ACNP) meeting in Palm Springs, CA. Co-Chair of session.*

Hamm, J.P.*, *Shymkiv, Y., Yuste, R. Prefrontal functional inputs in visual cortex during processing of redundant and novel stimuli. Talk given at 2017 Society for Neuroscience Meeting, Washington D.C..*

Hamm, J.P. *, *Gogos, J.A. Yuste, R. Abnormal neocortical ensemble activity in pharmacological and genetic mouse models supports an attractor pathophysiology of schizophrenia. Talk given at 2017 International Congress on Schizophrenia Research in San Diego, CA.*

Hamm, J.P., Gogos, J.A. Yuste, R. Mismatch negativity depends on somatostatin interneurons and is affected in a genetic model of schizophrenia. Poster presented Nov 2016 at the Society for Neuroscience conference in San Diego, CA.

Hamm, J.P., Yuste, R. Sensory cortical ensembles are functionally disorganized in mouse models of schizophrenia. Poster presented Nov 2016 at Cell Symposia: Big Questions in Neuroscience symposium in San Diego, CA.

Hamm, J.P., Yuste, R. *Contribution of Neocortical Interneurons to the Mismatch Negativity.* Talk given May 2016 at the Society for Biological Psychiatry research conference (SOBP) in Atlanta, GA.

TEACHING

COURSES TAUGHT

2020 - present **Instructor of record**, Georgia State University
NEUR 8020- Systems Neuroscience (Spring 2020)
NEUR 8000- Principles of Neuroscience (Fall 2020)
NEUR 8000- Principles of Neuroscience (Fall 2021)
NEUR 8020- Systems Neuroscience (Spring 2022)

Guest lectures, Georgia State University
NEUR XXXX-Sensation and Perception (Spring 2022)
 “Central visual pathways and circuits”

2010 - 2013 **Instructor of record**, University of Georgia
PSYC 3980- Research design (Fall 2010)
PSYC 3990- Research methods lab (Fall 2013)

2008 – 2011 **Graduate Teaching Assistant**, University of Georgia
PSYC 6430 – Applied Regression (Fall 2011)
PSYC 3230 – Abnormal Psychology (Spring 2009 and Fall 2009)
PSYC 2101 – Psychology of Adjustment (Fall 2008)

STUDENTS MENTORED

Current-postdoctoral trainees:

Dr. Ross, J.M. (2019-current).- Ph.D. in Neuroscience, University of Tennessee Health Science Center, 2019

Current-graduate students:

Van Derveer, A. (2019-current). Ph.D. student, Neuroscience, GSU

Bastos, G. (2020-current). Ph.D. student, Neuroscience, GSU

Gallimore, C.G. (2020-current). Ph.D. student, Neuroscience, GSU

Rader, A. (2021-current). Ph.D. student, Neuroscience, GSU

Holmes, J.T. (2021-current). M.S. student, Neuroscience, GSU

Ricci, D. (2022-current). M.S. student, Neuroscience, GSU

Current-undergraduate:

Towers, A. (2021-current). Neuroscience Major, GSU

Sutton, T. (2021-current). Neuroscience Major, GSU

Current-committee member:

West, C. (2020-current). Ph.D. student, Neuroscience

Ghane, M.A. (2020-current). Ph.D. student, Neuroscience

Bourahmah, J. (2020-current). Ph.D. student, Neuroscience

Moon, D. (2021-current). Ph.D. student, Neuroscience

Non-thesis reader:

Martinez Otiz, G. (2020). M.S. Neuroscience, GSU. Apathy and Striatal Gray Matter Patterns in Schizophrenia and Huntington's Disease

Past-students-primary mentor:

Holmes, J.T. (2018-2020). B.S. Neuroscience with distinction, GSU. Honors thesis: Neocortical Somatostatin-Positive Interneurons Show Context Dependent Activity in a Classic Visual Oddball Paradigm. *Currently M.S. student in Hamm Lab.*

Nsiangani, A.Y.T., (2019-2020). M.S. Biology, GSU. Masters non-thesis: Systems and methods to quantify and improve intrinsic signal imaging of the mouse visual cortex.

Greene, M. (2018-2020). Attending nursing school.

Kubricka, V. (2019-2021). B.S. Neuroscience with distinction, GSU. Attending graduate school for a Masters in Medical Science.

Nisseau-Bey, Z. (2020-2021). B.S. in Neuroscience, GSU. Attending Medical school in fall 2021 at Morehouse.

SERVICE

COMMITTEES

Department Service

Committee Chair, Research Facilities Committee. (August 2019 - Present).

Committee Member, New full-time lecturer search committee. (March 2021- May 2021).

Committee Member, New tenure-track faculty search committee (September 2019 - May 2020).

Committee Member, Undergraduate Program Committee. (August 2019 – May 2021).

University Service

Committee Member, Internal Grants Peer Review Committee. (January 2022-2025).

Committee Member, Laboratory Safety Committee. (July 2021-Present).

Committee Member, Laboratory Safety Committee: Chemical Safety Subcommittee. (July 2021-Present).

Committee Member, Brains and Behavior internal grant review panel. (2019, 2021).

Committee Member, Brains and Behavior graduate fellowship review panel. (2019, 2021).

PROFESSIONAL ACTIVITIES

Professional Organizations:

2009-Present: Society for Neuroscience

2011-2013: Society for Psychophysiology

Invited Peer Reviewer for: *Science, Nature Neuroscience, Biological Psychiatry, Journal of Neuroscience, Cerebral Cortex, Scientific Reports, Cell Reports, Schizophrenia Bulletin, Schizophrenia Research, Neuroimage: Clinical, PLOS ONE, Frontiers in Systems Neuroscience, Frontiers in Neural Circuits, Biological Psychology, Psychophysiology, International Journal of Psychophysiology, European Journal of Neuroscience, Translational Psychiatry, Experimental Brain Research, Neurobiology of Disease.*

Ad hoc grant review:

National Institutes of Health- NVBP study section, February 2022