**Curriculum Vitae**

Stephanie M. Hare, PhD

Assistant Professor, Department of Psychiatry

Maryland Psychiatric Research Center

University of Maryland School of Medicine

**Date** Nov 13, 2023

Business Address: Tawes Building

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Foreign Languages: Spanish (some working knowledge)

**Education**

2006 - 2009 B.S., Neurobiology, University of Wisconsin – Madison

2010 - 2012 M.A., Philosophy (Specialization: Neuroethics), Loyola University Chicago

2013 - 2018 Ph.D., Neuroscience, concentration in Neuroethics, Georgia State University, Thesis Advisor – Jessica Turner

“Monitoring Self and World: A Novel Network Model of Hallucinations in Schizophrenia”

**Post-Graduate Education and Training**

2018-2020 T32 Postdoctoral Research Fellow, University of Maryland School of Medicine

T32 Training Program in Interdisciplinary Schizophrenia Research

Department of Psychiatry, Maryland Psychiatric Research Center (MPRC)

**Employment History**

Academic Appointments

2023-present Assistant Professor, UMSOM, Department of Psychiatry, MPRC

2021-2023 Instructor, UMSOM, Department of Psychiatry, MPRC

Other Employment

2013-2018 Graduate Student Research Assistant, Georgia State University

Research Activities: My research project focused on delineating trait biomarkers of auditory and visual hallucinations in schizophrenia using a combination of functional magnetic resonance imaging (fMRI) analysis methods.

**Professional Society Membership**

2011-present General Member, International Neuroethics Society (INS)

2015-2020 General Member, Organization for Human Brain Mapping (OHBM)

2017-present General Member, Early Career Hallucinations Research Group (ECHR)

2018-present General Member, Society of Biological Psychiatry (SOBP)

2019-present General Member, Schizophrenia International Research Society (SIRS)

**Honors And Awards**

2011 Best Abstract Award, International Neuroethics Society, awarded travel stipend to attend annual meeting

2013-2017 2nd Century Initiative Neuroethics Fellowship, Georgia State University, awarded for excellence in research in field of Neuroethics

2016-2018 Kenneth W. and Georganne F. Honeycutt Fellowship, Georgia State University, awarded for excellence in doctoral neuroscience research

2017 Public Communication Essay Contest Finalist, International Neuroethics Society, “Hearing Voices: First-Person Perspectives and Combatting Social Stigma”

2017 Travel Stipend, Canadian Institute for Advanced Research (CIFAR), awarded travel and hotel stipend to attend the Winter School on Neuroscience of Consciousness

2017-2018 Provost Dissertation Fellowship, Georgia State University, awarded for excellence in doctoral research

2019 Travel Stipend, awarded to attend the Early Career Hallucinations Research Group Annual Meeting, London, UK

2019 Loan Repayment Award, National Institute of Mental Health, loan repayment award for outstanding clinical neuroscience research proposal

2022 Travel Stipend, awarded to early career researcher to serve as symposium speaker at annual conference, Schizophrenia International Research Society

2023 Travel Stipend, awarded to early career researcher to serve as symposium speaker at annual conference, Schizophrenia International Research Society

**Administrative Service**

Institutional Service

2019-2020 Organizer, Neuroimaging Journal Club, Maryland Psychiatric Research Center

2021 Moderator for Virtual Poster Sessions, Research Day, Department of Psychiatry, UMSOM, Baltimore MD

2022 Team Leader for UMSOM’s Mini-Med School Session on Kindness & Anti-Bullying (August 2022, MSTF Leadership Hall), Baltimore MD

2021-present Member of the Diversity, Equity, Inclusion (DEI) Committee, Maryland Psychiatric Research Center

2021-present Member of DEI Committee, Department of Psychiatry, UMSOM Representative: Research Subcommittee

2022-2023 Faculty Advisory Council, Department of Psychiatry, UMSOM

2022-2023 Creativity Connects Committee, MPRC, Annual NAMI Walk, Auction, & Community Outreach

**Local and National Service**

National Service - Reviewer

2017 *Journal of Ethics in Mental Health (1x/yr)*

*Journal of Radiology and Diagnostic Methods (1x/yr)*

2018 *Schizophrenia Bulletin (1x/yr)*

*Schizophrenia Research (1/yr)*

2019 *Schizophrenia Bulletin (3x/yr)*

2020 *Psychological Medicine (1x/yr)*

*Neuroscience and Biobehavioral Reviews (1x/yr)*

*Brain Structure and Function (1x/yr)*

*Schizophrenia Research: Cognition (1x/yr)*

*Human Brain Mapping (1x/yr)*

2021 *BJPsych Open (1x/yr)*

*Neurobiology of Stress (1x/yr)*

*Neuropsychiatric Disease and Treatment (1x/yr)*

*Journal of Psychiatric Research (2x/yr)*

*Internat. Journal of Neuropsychopharmacology (1x/yr)*

2022 *Schizophrenia Bulletin (4x/yr)*

*Schizophrenia Research (3x/yr)*

*Psychological Medicine (1x/yr)*

*Neuroimage: Clinical (1x/yr)*

*Psychoradiology (1x/yr)*

*BMC Psychiatry (1x/yr)*

*Qeios (1x/yr)*

*Pathogens (1x/yr)*

*Intern J Environmental Research & Public Health (1x/yr)*

2023 *Schizophrenia Bulletin* *(5x/yr)*

*Translational Psychiatry (1x/yr)*

*Frontiers in Psychiatry (1x/yr)*

*Journal of Psychiatric Research (1x/yr)*

*Behavioral Sciences (1x/yr)*

*Cerebral Cortex (1x/yr)*

National Service Committees

2020-2022 International Neuroethics Society Student/Postdoc (S/P) Committee (2- year)

2020 International Neuroethics Society Program Committee, S/P Representative

(1year)

2021-2023 Schizophrenia International Research Society (SIRS), Social Media Editor

2022-present International Neuroethics Society, Membership Committee (2-year term)

2022-present SIRS Ethics Committee

2023-present Co-Lead of the Working Group on Ethical Issues Surrounding AI, International Neuroethics Society

**Local Service**

2014-2015 Exhibitor & Neuroscience Outreach, Atlanta Science Festival and Discovery Day (Georgia State University), Atlanta, GA

2017-2018 Exhibitor & Neuroscience Outreach, Atlanta Brain Bee, Emory University, Atlanta, GA

2021 Speaker, Careers in Neuroscience Event, Morgan State University (organized by Chemistry Club), Baltimore MD

2022 Guest Speaker and Facilitator for the after-school Girls in STEM club, Lecture: “My Career in Neuroscience”, Mother Mary Lange Catholic School, Baltimore MD (Activities: touch-a-brain; medical case: Parkinson’s disease; Halloween “zombie” case). Dates: 05/12/2022, 10/27/2022

2023 Ran the “Touch a Brain” exhibit at UMB’s Blossoming Brain’s Event at the Maryland Science Center. Worked with kids ages 5-8 on fun and interactive science demos and experiments. (Jan 21, 2023).

2023 Volunteer with “Touch A Brain” and “Color a Brain Cap” activities at UMB’s Trick or Treat Annual Event, Community Engagement Center, 873 W Baltimore St (Oct 27, 2023)

**Teaching Service**

High School Outreach and Teaching

2021 Youth Mentor and Q&A Panelist

International Youth Neuroscience Association Neuroethics Workshop

Teaching Responsibilities: I prepared a case-study for a 90-minute discussion with 20-30 high-school students over Zoom; I led discussion to evaluate pros and cons of each stance for a neuroethics case, and provided students with feedback

2022 Mentor & Consultant for Student’s Senior Thesis Project (Dany Morgan)

Responsibilities: I served as a mentor and scientific consultant on the student’s engineering project on “telepathy and inducing hallucinations”; this included numerous consultations over email and video chat

Academy for the Arts, Science and Technology, Myrtle Beach, South Carolina

Contact: Matthew Vanasse, Engineering Teacher & FIRST Robotics Mentor, mvanasse@horrycountyschools.net, 843-903-8460

2023 Mentor to high school intern (Ryan Zhou), Howard County Public Schools

Responsibilities: I taught basic data analysis and visualization techniques using R. We discussed relevant literature, principles of a good poster presentation, and had other hands-on training activities in the TMS lab.

Undergraduate Student Teaching

2015 Guest Lecture, Improper Argumentative Form: Fallacies of Relevance

Philosophy 1010: Critical Thinking, Georgia State University

Teaching Responsibilities: I taught a 50-minute course on fallacies of reasoning; I was responsible for preparing all class content and delivering the lecture.

2017 Guest Lecture, Happiness: Cognitive & Computational Neuroscience

Perspectives 2002: Brain, Self, & Society, Georgia State University

Teaching Responsibilities: I taught a 50-minute course as a part of a broad course on societal impact of brain research; I was responsible for preparing all class content which included a break-out group activity and delivering the lecture

2017 Guest Lecture on Module on Positive Symptoms of Schizophrenia (four lectures)

Psych 4800/6650: Minds & Brains – The Cognitive Neuroscience of Psychosis,

Georgia State University

Teaching Responsibilities: I taught a four-course module of a course covering topics on the Cognitive Neuroscience of Psychotic Disorders; I was responsible for preparing all class content for four lectures which included multiple break-out activities and delivering the lecture material for each class.

Graduate Student Teaching

2019 Guest Lecture, Magnetic Resonance Imaging Tools and Clinical Applications

*Psych 6000: Graduate Psychology Core Course*, University of Maryland

Baltimore County (UMBC)

Teaching responsibilities: I taught a 90-minute class on basic principles of MRI and applications for studying schizophrenia and other psychiatric populations; I was responsible for preparing all class content and delivering the lecture.

2021-2022 Guest Lecture, Introduction to Functional MRI and Clinical Applications

UMSOM Psychiatry Residency Program (PGY-2 year)

Teaching Responsibilities: During the Fall 2021 and Fall 2022 semesters, I taught a 60-minute class on basic principles of fMRI and applications for studying schizophrenia and other psychiatric populations; I was responsible for preparing all class content and delivering the lecture.

2022 Lecturer and Discussant, Research in Psychiatry

UMSOM Combined Accelerated Program in Psychiatry (CAPP)

Teaching responsibilities: To have a discussion with the ~10-12 students in the CAPP Program on my career trajectory and current research.

2022-2023 Instructor, Combining fMRI and Machine Learning to Predict Symptoms

GPLS 691, Current Topics and Techniques in Neuroscience, UMB

Teaching Responsibilities: Prior to the 90-min class, I uploaded required reading to Blackboard and generated five discussion questions. After delivering a short (15-20 min) background lecture, I assisted break-out groups and evaluated the break-out groups’ responses to the discussion questions.

\*I prepped a (new) lecture and materials for the Fall 2022 and Fall 2023 semesters

**Mentoring**

2011-2012 Graduate Mentor to Undergraduate Students, Achieving College Excellence (ACE) Program, Loyola University Chicago

Responsibilities: I served as a mentor for eight undergraduates from minority background and/or first-generation college students; we had weekly email contact with the students and in-person “check-in” meetings 1-3 times per semester.

2014-2018 Graduate Student Mentor to Undergraduate Students, Georgia State University

Imaging Genetics and Informatics Lab (PI: Jessica Turner, PhD)

Responsibilities: I served as a mentor for two undergraduate students during my time as a PhD student (Alicia Law, Gabrielle Williams); my responsibilities included teaching them to use fMRI analysis software and other statistical software (SPSS) to conduct their mentored research projects. Their work resulted in multiple local conference presentations; I included one mentee as a coauthor on my published manuscript (Hare, Law, et al. 2018). I spent roughly eight hours per week providing hands-on mentored support.

2022 Mentor to Post-Baccalaureate Student, Maryland Psychiatric Research Center

I mentored a student (Samantha Navaez) working on a project on trauma and psychiatric symptoms (June 2022-Sept 2022)

Responsibilities: teaching and guidance on statistical analysis; email, video chat and in-person consultations; guidance on professional development

2023 Mentor to sophomore undergraduate student at the University of Maryland Baltimore County (Aizah Usmani) (March 2023-May 2023); part of the Dana Foundation Award for Pathways to Research Careers for URM students

Responsibilities: I taught basic data analysis and visualization techniques using R software of a small neuroimaging dataset. We discussed relevant literature, principles of a good poster presentation, and had other hands-on training activities in the TMS lab.

**Grant Support**

Active Support

05/01/2020-04/30/2024 (Co-Inv. S. Hare, 39%, PI, Robert Buchanan)

”Conte Project 4 - Kynurenic Acid and Cognitive Abnormalities

Schizophrenia”

NIMH

5P50MH103222-08

The goal of this study is to examine the effects of tryptophan challenge on cognitive function and the role of a KATII inhibitor

(NAC) in mediating changes in cognition and behavior

Role: Will collaborate with biostatisticians and rest of Conte team as the lead analyst on imaging and behavioral analyses

10/01/2023-07/01/2024 (PI, S. Hare)

Pilot Project Award (NIMH Conte Center)

“Proinflammatory Profiles: Gluten Antibodies & Extracellular Vesicle Proteomics”

NIMH

In this Conte pilot study, we aim to understand how multiple markers of inflammation – plasma antibodies and extracellular vesicle proteomics – might be linked to altered metabolism in the kynurenine pathway (KP), and potentially assist with the identification of subgroups of people with schizophrenia with high baseline KP metabolites.

Pending Grant

01/01/2022 (PI, S. Hare)

K01 Mentored Research Scientist Development Award

“Cognitive and Neural Correlates of TMS Motor Intracortical

Inhibition in Schizophrenia”

NIMH

The goal of the Career Development Award is to provide the

candidate with advanced training to achieve her career goals and

transition to become an independent investigator. The research

project investigates the clinical significance of a paired-pulse TMS

marker of cortical excitability, the short-interval intracortical

inhibition (SICI), which is consistently reduced in individuals with

schizophrenia.

Completed Grants

2018-2020 (Trainee, S. Hare)

Training grant awarded to Maryland Psychiatric Research Center for postdoctoral training in interdisciplinary schizophrenia research

NIMH

T32 MH067533

Role: Selected as a trainee on this competitive T32 fellowship, receiving advanced training in translational clinical applications of functional MRI and TMS.

2019-2021                (PI, S. Hare)

                                                “Salience Monitoring and Hallucinations in Schizophrenia”

                                                NIMH

                                                1L30 MH120722-01

The goal of this study is to investigate the shared neural circuitry underlying both auditory and visual hallucinations in schizophrenia

Role: Will serve as PI for this competitive loan repayment award

 4/2021-7/2022 (PI, S. Hare)

“Targeting Medial Prefrontal Circuitry to Treat Cognitive Impairments in Schizophrenia”

                                                NIMH

2 L30 MH120722-02

The goal of this study is to explore how two different clinical interventions targeting mPFC circuitry might improve cognitive symptoms of schizophrenia

Role: Will serve as PI for this competitive loan repayment award

**Publications**

Peer-reviewed journal articles

1. **Hare, S.M.,** Vincent, N.A. Happiness, Cerebroscopes and Incorrigibility: Prospects for Neuroeudaimonia. *Neuroethics*. 2016 April; 9(1):69-84 Role: Performed an ethical analysis; drafted/redrafted all versions of manuscript
2. **Hare, S.M.**, Ford, J.M., Ahmadi, A., Damaraju, E., Belger, A., Bustillo, J., Lee, H.J., Mathalon, D.H., Mueller, B.A., Preda, A., van Erp, T.G.M., Potkin, S.G., Calhoun, V.D., Turner, J.A. Modality-Dependent Impact of Hallucinations on Low-Frequency Fluctuations in Schizophrenia. *Schizophrenia Bulletin*. 2017 Mar; 43(2):389–396. Role: Served as the lead data analyst on this analysis of the FBIRN legacy dataset; drafted/redrafted all versions of manuscript
3. **Hare, S.M.**, Law, A.\*, Ford, J.M., Mathalon, D.H., Ahmadi, A., Damaraju, E., Bustillo, J., Belger, A., Lee, H.J., Mueller, B.A., Lim, K.O., Brown, G.G., Preda, A., van Erp, T.G.M., Potkin, S.G., Calhoun, V.D., Turner, J.A. Disrupted Network Cross Talk, Hippocampal Dysfunction and Hallucinations in Schizophrenia. *Schizophrenia Research*. 2018 Sept; 199: 226-234. Role: Served as the lead data analyst on this analysis of the FBIRN legacy dataset; drafted/redrafted all versions of manuscript
4. **Hare, S.M.**, Ford, J.M., Mathalon, D.H., Ahmadi, A., Damaraju, E., Bustillo, J., Belger, A., Lee, H.J., Mueller, B.A., Lim, K.O., Brown, G.G., Preda, A., van Erp, T.G.M, Potkin, S.G., Calhoun, V.D., Turner, J.A. Salience-Default Mode Functional Network Connectivity Linked to Positive and Negative Symptoms of Schizophrenia. *Schizophrenia Bulletin*. 2019 Jun 18;45(4):892-901. Role: Served as the lead data analyst on this analysis of the FBIRN legacy dataset; drafted/redrafted all versions of manuscript
5. Gaudiot, C., Du, X., Summerfelt, A., **Hare, S.M.,** Bustillo, J.R., Rowland, L.M., Hong, L.E. A Working Memory Related Mechanism of Auditory Hallucinations. *Journal of Abnormal Psychology*. 2019 July; 128(5): 423-430. doi: 10.1037/abn0000432. Role: 15% effort on final data analyses and interpretation of results; editing final manuscript
6. Shukla D.K., Chiappelli J.J., Sampath H., Kochunov P., **Hare S.M.**, Wisner K., Rowland L.M., Hong L.E. Aberrant Frontostriatal Connectivity in Negative Symptoms of Schizophrenia. *Schizophrenia Bulletin*. 2019 Sep 11;45(5):1051-1059. Role: 10% effort on final data analyses and interpretation of results; editing final manuscript
7. **Hare, S.M.,** Chiappelli, J.J., Savransky, A., Adhikari, B.M., Wisner, K., Kvarta, M., Goldwaser, E., Du, X., Chen, S., Rowland, L.M., Kochunov, P., Hong, L.E. The Role of Hippocampal Functional Connectivity on Multisystem Subclinical Abnormalities in Schizophrenia. *Psychosomatic Medicine*. 2020 Jul/Aug;82(6):623-630. Role: Served as the lead data analyst on this analysis of my postdoctoral mentor’s fMRI dataset; drafted/redrafted all versions of manuscript
8. Kochunov P, Fan F, Ryan MC, Hatch KS, Tan S, Jahanshad N, Thompson PM, van Erp TGM, Turner JA, Chen S, Du X, Adhikari B, Bruce H, **Hare S**, Goldwaser E, Kvarta M, Huang J, Tong J, Cui Y, Cao B, Tan Y, Hong LE. Translating ENIGMA schizophrenia findings using the regional vulnerability index: Association with cognition, symptoms, and disease trajectory. *Hum Brain Mapp*. 2020 May 28. doi: 10.1002/hbm.25045. Online ahead of print. Role: 10% effort on final data analyses; helped with interpretation of results and editing final manuscript
9. Kochunov P, Zavaliangos-Petropulu A, Jahanshad N, Thompson PM, Ryan MC, Chiappelli J, Chen S, Du X, Hatch K, Adhikari B, Sampath H, **Hare S**, Kvarta M, Goldwaser E, Yang F, Olvera RL, Fox PT, Curran JE, Blangero J, Glahn DC, Tan Y, Hong LE. A White Matter Connection of Schizophrenia and Alzheimer’s disease. *Schizophr Bull*. 2021. Feb;47(1):197-206. Role: 10% effort on final data analyses; helped with interpretation of results and editing final manuscript
10. Kochunov P, Ryann MC, Yang Q, Hatch KS, Alyssa Z, Thomopoulos SI, Jahanshad N, Schmaal L, Thompson PM, Chen S, Du X, Adhikari B, Bruce H, **Hare S**, Goldwaser EL, Kvarta MD, Nichols TE, Hong L. Comparison of Regional Brain Deficit Patterns in Common Psychiatric and Neurological Disorders as Revealed by Big Data. *NeuroImage: Clinical*. 2021; 29. Role: 10% effort on final data analyses; helped with interpretation of results and editing final manuscript
11. **Hare, S.M.,** Chiappelli, J.J., Adhikari, B.M., Kvarta, M., Goldwaser, E., Du, X., Chen, S., Kochunov, P., Hong, L.E.  Local and Long-Range Connectivity Patterns of Auditory Perceptual Disturbance in Schizophrenia. *Schizophrenia Research*. 2021. Feb;228:262-270. Role: Served as the lead data analyst on this analysis of my postdoctoral mentor’s fMRI dataset; drafted/redrafted all versions of manuscript
12. Tong J, Zhou Y, Huang J, Zhang P, Fan F, Chen S, Tian B, Cui Y, Tian L, Tan S, Wang Z, Feng W, Yang F, **Hare S,** Goldwaser EL, Bruce HA, Kvarta M, Chen S, Kochunov P, Tan Y, Hong LE. N-methyl-D-aspartate Receptor Antibody and White Matter Deficits in Schizophrenia Treatment-Resistance. *Schizophr Bull*. 2021. 47(5): 1463-1472.
13. Savransky A, Chiappelli J, Du X, Carino K, Kvarta M, Bruce H, Kochunov P, Goldwaser E, Tan Y, **Hare S**, Hong LE. Association of working memory and elevated overnight urinary norepinephrine in patients with schizophrenia. *J Psych Research* 2021;137:89-95.
14. **Hare, S.M.,** Du, X., Adhikari, B.M., Garcia, L., Bruce, H., Kochunov, P., Hong, L.E. Mapping Local and Long-Distance Resting Connectivity Markers of TMS-Related Inhibition Deficits in Schizophrenia. *Neuroimage Clin* 2021 Apr 30; 31:102688. doi: 10.1016/j.nicl.2021.102688. Published Online Ahead of Print.
15. Kvarta MD, Bruce HA, Chiappelli J, **Hare SM**, Goldwaser EL, Sewell J, Sampath H, Lightner S, Marshall W, Hatch K, Humphries E, Ament S, Shuldiner AR, Mitchell BD, McMahon FJ, Kochunov P, Hong LE. Multiple dimensions of stress vs. genetic effects on depression. *Transl Psychiatry.* 2021 Apr 29;11(1):254. doi: 10.1038/s41398-021-01369-9.
16. Zhou Y, Huang J, Zhang P, Tong J, Fan F, Gou M, Cui Y, Luo X, Tan S, Wang Z, Feng W, Yang F, Tian B, Tian L, Savransky A, **Hare S**, Ryan MC, Goldwaser E, Chiappelli J, Chen S, Kochunov P, Kvarta M, Tan Y, Hong LE. Allostatic Load Effects on Cortical and Cognitive Deficits in Essentially Normotensive, Normoweight Patients with Schizophrenia. *Schizophr Bull*. 2021 Jul 8;47(4):1048-1057.
17. Ge Y, **Hare S**, Chen G, Waltz JA, Kochunov P, Elliot Hong L, Chen S. Bayes estimate of primary threshold in clusterwise functional magnetic resonance imaging inferences. *Stat Med.* 2021 Nov 10;40(25):5673-5689. doi: 10.1002/sim.9147. Epub 2021 Jul 26. PMID: 34309050; PMCID: PMC8972072.
18. **Hare SM**. Hallucinations: A Functional Network Model of How Sensory Representations Become Selected for Conscious Awareness in Schizophrenia. *Front Neurosci*. 2021 Nov 23;15:733038. doi: 10.3389/fnins.2021.733038. PMID: 34887720; PMCID: PMC8650055.
19. Goldwaser EL, Du X, Adhikari BM, Kvarta M, Chiappelli J, **Hare S**, Marshall W, Savransky A, Carino K, Bruce H, Acheson A, Kochunov P, Hong LE. Role of White Matter Microstructure in Impulsive Behavior. *J Neuropsychiatry Clin Neurosci*. 2022 Jan 18:appineuropsych21070167. doi: 10.1176/appi.neuropsych.21070167. Epub ahead of print. PMID: 35040662.
20. Wilkinson S, Green H, **Hare S**, Houlders J, Humpston C, Alderson-Day B. Thinking about hallucinations: why philosophy matters. *Cogn Neuropsychiatry.* 2022 Mar-May;27(2-3):219-235. doi: 10.1080/13546805.2021.2007067. PMID: 34874242; PMCID: PMC9006978.
21. Ryan MC, Hong LE, Hatch KS, Gao S, Chen S, Haerian K, Wang J, Goldwaser EL, Du X, Adhikari BM, Bruce H, **Hare S**, Kvarta MD, Jahanshad N, Nichols TE, Thompson PM, Kochunov P. The additive impact of cardio-metabolic disorders and psychiatric illnesses on accelerated brain aging. *Hum Brain Mapp.* 2022 Apr 15;43(6):1997-2010. doi: 10.1002/hbm.25769. Epub 2022 Feb 3. PMID: 35112422; PMCID: PMC8933252.
22. Sathyasaikumar, KV, Notarangelo, FM, Kelly, DL, Rowland, LM, **Hare SM**, Chen, S, Mo, C. Buchanan, RW, Schwarcz, R. Tryptophan Challenge in Healthy Controls and People with Schizophrenia:  Acute Effects on Plasma Levels of Kynurenine, Kynurenic Acid and 5-Hydroxyindoleacetic Acid. *Pharmaceuticals* 2022 Aug 15;15(8):1003. doi: 10.3390/ph15081003
23. Adhikari, BM, Hong, LE, Zhao, Z., Wang, DJJ, Thompson, PM, Jahanshad, N, Zhu, AH, Turner, JA, van Erp TGM, Calhoun, VD, Hatch, KS, Bruce, H, **Hare, SM**, Chiappelli, J., Goldwaser, EL, Kvarta, MD, Ma, Y., Du, X, Nichols, TE, Shuldiner, AR, Mitchell, BD, Chen, S, Kochunov, P. Cerebral Blood Flow and Cardiovascular Risk Effects on Resting Brain Regional Homogeneity. *Neuroimage* 2022 Nov 15;262:119555 doi: 10.1016/*J*. *Neuroimage*. 2022.119555. Epub 2022 Aug 11

24. Fan, F., Huang, J., Tan, S., Wang, Z., Chen, S., Li, Y., **Hare, S.,** Hu, X., Yang, F.D., Tian,

B., Kochunov, P., Tan, Y., Hong, L.E. Association of Cortical Thickness and Cognition with Schizophrenia Treatment Resistance. *Psychiatry and Clinical Neurosciences*. 2023. Jan;77(1):12-19. doi: 10.1111/pcn.13486.

25. Cheon, E, Male, AG, Gao, B, Adhikari, BM, **Hare, SM**, Belger, A, Potkin, SG, Bustillo, JR,

Mathalon, DH, Ford, JM, Lim, KO, Mueller, B. Preda, A, O’Leary, D, Strauss, GP, Ahmed,

A, Thompson, P, Jahanshad, N, Kochunov, P, Calhoun, VD, Turner, JA, van Erp, TGM.

Amplitude of Low Frequency Fluctuations is associated with Negative Symptom Domains in

Schizophrenia. Psychiatry Research: *Neuroimaging*. 2023 Mar;329:111597.

26. Du, X., **Hare, S**., Summerfelt, A., Adhikari, B.M., Garcia, L., Marshall, W., Zan, P., Kvarta,

M., Goldwaser, E., Bruce, H., Gao, S., Sampath, H., Kochunov, P., Simon, J., Hong, LE.

Cortical Connectomic Mediations on Gamma Band Synchronization in Schizophrenia.

*Translational Psychiatry*. 2023. Jan 19;13(1):13. doi: 10.1038/s41398-022-02300-6.

27. **Hare, SM**, Adhikari, BM, Mo, C, Chen, S, Wijtenburg, SA, Seneviratne, C, Kane-Gerard, S, Sathyasaikumar, KV, Notarangelo, FM, Schwarcz, R, Rowland, LM, Kelly, DL, Buchanan, RW. Tryptophan Challenge in Individuals with Schizophrenia and Healthy Controls: Acute Effects on Circulating Kynurenine and Kynurenic Acid, Cognition and Cerebral Blood Flow. *Neuropsychopharmacology*. 2023. Published online ahead of print. Doi: 10.1038/s41386-023-01587-3

28. Du, X., Choa, FS, **Hare, S**., Chiappelli, J., Bruce, H., Kvarta, M., Summerfelt, A., Ma, Y.,

Regenold, W.T., Walton, K., Wittenberg, GF, vanderVaart, A., Zhao, Z., Chen, S.,

Kochunov, P., Hong, LE. Combining Neuroimaging and Brain Stimulation to Test

Alternative Causal Pathways for Nicotine Addiction in Schizophrenia. *Molecular Psychiatry*

(In review).

29. **Hare, SM.,** Benzer, S., Knight, S., Rakhshan Rouhakhtar, P., Reeves, G., McDonald, K., RachBeisel, J. Virtual Civil Commitment Hearings: Convenience at the Costs of Compromised Communication & Safety Assessments. Psychiatric Services. (accepted)

**Proffered Communications**

1. **Hare, S.** Studying Human Morality in the Magnet: An Attempt to Reconcile the Complexity of the Moral Life with the Constraints of Neuroimaging Methods., International Neuroethics Society, New Orleans, LA, poster presentation, 2012
2. **Hare, S**., Molony, J., McCarthy, S., Brandstatt, K., Skiadopoulos, L., Bharani, K.L., Morrison, R.G. Insight follows Incubation in the Remote Associates Test*.* Cognitive Neuroscience Society, Chicago, IL, poster presentation, 2012
3. **Hare, S**. Can Modern-Day Cerebroscopes Undermine Incorrigibility of Happiness Claims? The Application and Limitations of Neuroimaging Technology. International Neuroethics Society, San Diego, CA, poster presentation, 2013
4. **Hare, S.,** Turner, J.A., Vincent, N.A. The Research Domain Criteria and Biomarkers of Auditory Hallucinations in Criminal Responsibility Assessments. Neuro-Interventions and the Law Conference, Atlanta, GA, poster presentation, 2014
5. **Hare, S.,** Pasquerello, D., Damaraju, E., Belger, A., Ford, J., Mathalon, D., Mueller, B., Preda, A., van Erp, T., Calhoun, V., Turner, J. The Impact of Hallucination Profile on Resting-State Low-Frequency Fluctuations in Schizophrenia. The International Congress on Schizophrenia Research, Colorado Springs, CO, oral presentation, 2015
6. Law, A., **Hare, S.,** Ahmadi, A., Turner, J.A. Functional Network Connectivity in Hallucinating Patients with Schizophrenia. BrainModes Conference, Atlanta, GA, poster presentation, 2015
7. **Hare, S.,** Vincent, N. Happiness, Cerebroscopes and Incorrigibility: Prospects for Neuroeudaimonia. Center for Advanced Brain Imaging, Atlanta, GA, oral presentation, 2015
8. **Hare, S.**, Ford, J.M., Law, A., Ahmadi, A., Damaraju, E., Belger, A., Bustillo, J., Lee, H.J., Mathalon, D.H., Mueller, B.A., Preda, A., van Erp, T.G.M., Potkin, S.G., Calhoun, V.D., Turner, J.A., Function Biomedical Informatics Research Network (FBIRN). Hallucinations & the Resting-State Brain: A Review of Findings in the FBIRN Dataset. International Consortium for Hallucinations Research, Chicago, IL, poster presentation, 2016
9. Persichetti, E., Aral Ahmadi, **Hare, S.,** Turner, J.A. Seed to Voxel Connectivity in Relation to Hallucinations in Schizophrenia. Georgia Psychological Society, Atlanta, GA, poster presentation, 2016
10. **Hare, S.,** Schuite-Koops, S., Sommer, I.E., Turner, J.A. Hearing Voices Without Psychosis: An Analysis of Functional Network Connectivity. Organization for Human Brain Mapping, Geneva, Switzerland, poster presentation, 2016
11. **Hare, S**. Disrupted Network Cross Talk, Hippocampal Dysfunction and Hallucinations in Schizophrenia. Neuroscience Institute Breakfast Lecture (NIBL), Atlanta, GA, oral presentation, 2017
12. **Hare, S**. Disrupted Network Cross Talk, Hippocampal Dysfunction and Hallucinations in Schizophrenia. International Congress on Schizophrenia Research, San Diego, CA, oral presentation, 2017
13. **Hare, S.,** Turner, J.A. Stigma and the Medicalization of Hearing Voices. Emory University Neuroethics in the News Series, Atlanta, GA, oral presentation, 2017
14. **Hare, S.**, Ford, J.M., Mathalon, D.H., Ahmadi, A., Damaraju, E., Bustillo, J., Belger, A., Lee, H.J., Mueller, B.A., Lim, K.O., Brown, G.G., Preda, A., van Erp, T.G.M., Potkin, S.G., Calhoun, V.D., Turner, J.A. Salience-Default Mode Functional Network Connectivity Linked to Positive and Negative Symptoms of Schizophrenia. Organization for Human Brain Mapping, Singapore, poster presentation, 2018
15. **Hare, S**. Monitoring Self & World: A Novel Network Model of Hallucinations in Schizophrenia. Hard Data Café Series, Atlanta, GA, oral presentation, 2018
16. **Hare, S**. Salience Monitoring and Hallucinations in Schizophrenia. Early Career Hallucinations Research Group Annual Meeting, London, UK, oral presentation, 2018
17. **Hare, S.M.,** Chiappelli, J.J., Savransky, A., Adhikari, B.M., Wisner, K., Kvarta, M., Goldwaser, E., Du, X., Chen, S., Rowland, L.M., Kochunov, P., Hong, L.E.  The Role of Hippocampal Functional Connectivity on Multisystem Subclinical Abnormalities in Schizophrenia. Society of Biological Psychiatry Annual Meeting, Chicago, IL, poster presentation, 2019
18. **Hare, S.M.,** Chiappelli, J.J., Adhikari, B.M., Kvarta, M., Goldwaser, E., Du, X., Chen, S., Kochunov, P., Hong, L.E. Local and Long-Range Connectivity Patterns of Auditory Perceptual Disturbance in Schizophrenia. Schizophrenia International Research Society Annual Meeting, Florence, Italy, oral presentation, 2020 (in-person meeting cancelled, COVID-19)
19. **Hare, S.M.,** Chiappelli, J.J., Adhikari, B.M., Kvarta, M., Goldwaser, E., Du, X., Chen, S., Kochunov, P., Hong, L.E. Local and Long-Range Connectivity Patterns of Auditory Perceptual Disturbance in Schizophrenia. Society of Biological Psychiatry Annual Meeting, New York, NY, poster presentation, 2020, (in-person meeting cancelled, COVID-19)
20. **Hare, SM.** Artificial Intelligence, Neuroimaging and Psychiatry: Sources of Bias. International Neuroethics Society Annual Meeting (virtual), invited oral presentation, 2020
21. **Hare, S.M.,** Du, X., Adhikari, B.M., Chen, S., Mo, C., Summerfelt, A., Kvarta, M.D., Garcia, L., Kochunov, P., Hong, L.E. Mapping Local and Long-Distance Resting Connectivity Markers of TMS-Related Inhibition Reduction in Schizophrenia. Innovators in Neuroscience Symposium Virtual Conference (Joint Symposium organized by Columbia University’s Zuckerman Institute and Mount Sinai’s Friedman Brain Institute, New York), poster presentation, May 2021.
22. **Hare, S.M**., Du, X., Adhikari, B.M., Chen, S., Mo, C., Summerfelt, A., Kvarta, M.D., Garcia, L., Kochunov, P., Hong, L.E. A Resting fMRI Investigation of TMS-Related Inhibition Reduction in Schizophrenia. Non-Invasive Brain Stimulation (NIBS) Virtual Workshop 2021 (Workshop organized by University of Minnesota), poster presentation, June 2021.
23. **Hare, S.M.,** Schwarcz, R., Notarangelo, F., Kane-Gerard, S., Adhikari, B., Mo, C., Chen, S., Rowland, L.M., Wijtenburg, S.A, Kelly, D.L., Buchanan R.W. Impact of Tryptophan Challenge on Neurocognitive Function and Cerebral Blood Flow. Conte Center Virtual Research Symposium: Showcase of Rising Stars, oral presentation, November 3, 2021.
24. **Hare, S.M**., Du, X., Adhikari, B.M., Chen, S., Mo, C., Summerfelt, A., Kvarta, M.D., Garcia, L., Kochunov, P., Hong, L.E. A Resting fMRI Investigation of TMS-Related Inhibition Reduction in Schizophrenia. Annual Congress of the Schizophrenia International Research Society (SIRS), Florence, Italy, oral presentation, April 2022
25. **Hare, S.M**. Hallucinations: A Functional Network Model of How Sensory Representations Become Selected for Conscious Awareness. Virtual Conference for the Early Career Hallucinations Researchers (North America division), oral presentation, April 2022.
26. **Hare, SM,** Benzer, S, Knight SR, Rakhshaan Rouhakhtar P, Reeves, GM, Mcdonald, K, RachBeisel, J. Virtual Civil Commitment Hearings: Challenges to Patients’ Rights to Due Process. International Neuroethics Society Annual Meeting, virtual oral presentation, November 2022.
27. **Hare, SM**, Adhikari, BM, Mo, C, Chen, S, Wijtenburg, SA, Seneviratne, C, Kane-Gerard, S, Sathyasaikumar, KV, Notarangelo, FM, Schwarcz, R, Rowland, LM, Kelly, DL, Buchanan, RW. Tryptophan Challenge in Individuals with Schizophrenia and Healthy Controls: Acute Effects on Circulating Kynurenine and Kynurenic Acid, Cognition and Cerebral Blood Flow. Annual Congress of the Schizophrenia International Research Society (SIRS), Toronto, poster presentation, May 2023
28. **Hare, SM**. Artificial Intelligence in Psychiatry: Sources of Bias and Ethical Considerations. Annual Congress of the Schizophrenia International Research Society (SIRS), Toronto, oral presentation, May 2023.
29. **Hare, SM**. Hearing Voices: Integrating Perspectives and Outside-the-Box Treatments. The National Alliance on Mental Illness (NAMI) Maryland Annual Conference. Virtual oral presentation, October 14, 2023.