October 2026

CASEY S. GILMORE

Geriatric Research Clinical and Education Center | Minneapolis VA Health Care System
1 Veterans Dr., Minneapolis, MN 55417
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EDUCATION

Ph.D., Cognitive/Experimental Psychology — 2007
Neuroscience specialization
University of Georgia, Athens, GA

M.S., Experimental Psychology — 2002
University of South Alabama, Mobile, AL

B.S., Biomedical Sciences, Minor: Psychology — 1999
University of South Alabama, Mobile, AL

PROFESSIONAL APPOINTMENTS

Assistant Professor — 2021 – present
Dept. of Psychiatry and Behavioral Sciences
University of Minnesota

Research Scientist — 2020 – present
Geriatric Research Education and Clinical Center (GRECC)
Minneapolis Veterans Affairs Medical Center

Research Scientist — 2013 – 2020
Defense and Veterans Brain Injury Center (DVBIC)
Minneapolis Veterans Affairs Medical Center

Research Scientist — 2011 – 2013
Neurobehavioral Research, Inc.

Postdoctoral Associate — 2007 – 2011
Minnesota Center for Twin and Family Research
Department of Psychology, University of Minnesota

RESEARCH SUPPORT

Current & Pending

1. VA ORD Merit, 1I01RD002619, *Targeted Alternating Current and Cognitive Training Intervention for Cognitive Control in Bipolar Disorders (TACTIC-BD)*
   PIs: Casey Gilmore, Snezana Urosevic; 04/2027 - 04/2031; $1,417,520

2. NIH National Institute of Mental Health, 1R21MH141610,
   State- and Trait-like Perceptual Predictive Learning Abnormalities in Schizophrenia
   Role: Co-Investigator; PI: Holly Hamilton; 07/2026 - 06/2028; $415,600

3. NIH National Institute on Drug Abuse, 1UG3DA061615
   Combined tDCS and cognitive training as an adjunctive treatment in opioid use disorder
   Role: Co-Investigator; PI: Jazmin Camchong; 09/2025 - 08/2030; $680,100

4. Minnesota Office of Higher Education Spinal Cord Injury & Traumatic Brain Injury Grant Program
   Remote Stimulation and Training to Advance Recovery from TBI in Seniors (ReSTART),
   PI: Casey Gilmore; 08/2025 – 08/2027; $247,482

5. Department of Defense, Congressionally Directed Medical Research Programs (CDMRP), TP220080
   Remotely Supervised tDCS Combined with Cognitive Training to Improve Complex Attention in Active-Duty Service Members and Veterans with Mild TBI
   PIs: Lars Hungerford, Casey Gilmore; 10/2023 - 09/2027; $2,260,170

6. NIH National Institute of Neurological Disorders and Stroke, 1 R01 NS131314-01
   Quantification of Tics in Tourette Syndrome
   Role: Co-Investigator; PI: Christine Conelea; 04/2023 – 03/2028; $3,431,360

Past

1. Minnesota Office of Higher Education Spinal Cord Injury & Traumatic Brain Injury Grant Program
   Neurodynamics of Disorder of Consciousness Related to Traumatic Brain Injury
   Role: Co-Investigator; PI: Michelle Peterson; 08/2023 – 08/2026; $161,813

2. Minnesota Office of Higher Education Spinal Cord Injury & Traumatic Brain Injury Grant Program
   Examining the Efficacy and Safety of Subanesthetic Ketamine on Depression and Post-traumatic Stress Disorder among Veterans with Mild and Moderate Traumatic Brain Injury
   Role: Co-Investigator; PI: Paolo Shiroma; 08/2023 – 08/2026; $

3. Center for Veterans Research and Education (CVRE) Investigator Award
   Combined tDCS and Cognitive Training to Reduce Impulsivity in Patients with Parkinson's Disease
   PI: Casey Gilmore; 08/2024 – 01/2026; $9,616

4. U.S. Department of Veterans Affairs, Veterans Health Administration, Clinical Science Research and Development Service, 1 I01 CX001995-01
   Effects of tDCS Paired with Cognitive Training on Brain Networks associated with Alcohol Use Disorder in Veterans
   Role: Co-Investigator; PI: Kelvin Lim; 09/2019 – 08/2025; $1,199,944

5. U.S. Department of Veterans Affairs, Veterans Health Administration, Rehabilitation Research and Development SPiRE Program, 1 I21 RX004104-01
   Effects of Neuromodulation and Cognitive Training for Suicide in Veterans (ENACTS)
   PI: Casey Gilmore, 07/2022 – 03/2025; $229,985

6. Center for Veterans Research and Education (CVRE) Investigator Award
   A Pilot Study Using Ecological Momentary Assessment and Neuroimaging to Evaluate Post-Hospitalization Suicide Risk Among High-Risk Veterans
   Role: Co-Investigator; PI: Carol Chu; 10/2022 – 10/2024; $9,978

7. VA Office of Research and Development (ORD), Suicide Prevention Research Impact NeTwork (SPRINT)
   Quantifying heterogeneity of suicidal inpatient Veterans using individual causal models: A precision medicine approach to suicide prevention using real-time high-density data
   PIs: Casey Gilmore, Carol Yu; 01/2024 - 01/2025; $21,919

8. Minnesota Office of Higher Education Spinal Cord Injury & Traumatic Brain Injury Grant Program
   Improving Sleep Disturbance in Veterans with Mild TBI using tDCS
   Role: Co-Investigator; PI: Kelvin Lim; 07/2021 – 07/2024; $125,883

9. Defense and Veterans Brain Injury Center, Defense Health Agency
   tDCS and Cognitive Training to Improve Concentration and Working Memory in Active Duty Service Members following mTBI: A Pilot Study
   Role: Co-Investigator; PI: Lars Hungerford; 01/2020 - 12/2023

10. Minnesota Office of Higher Ed. Spinal Cord Injury & Traumatic Brain Injury Grant Program, 143479
    Combined tDCS and Cognitive Training to Reduce Impulsivity in Patients with Traumatic Brain Injury
    PI: Casey Gilmore; 07/2018 – 06/2023; $296,370

11. Minnesota Office of Higher Education Spinal Cord Injury & Traumatic Brain Injury Grant Program
    Theta Burst Stimulation for Headaches after Traumatic Brain Injury,
    Role: Co-Investigator; PI: C. Sophia Albott; 07/2019 – 06/2022; $249,980

12. U.S. Department of Veterans Affairs, Veterans Health Administration, Rehabilitation Research and Development Service, Small Projects in Rehabilitation Effectiveness (SPiRE) program, 1I21RX003007-01
    Multidimensional Evaluation of Neural Dynamics in Patients with Disorders of Consciousness using EEG
    Role: Co-Investigator; PI: Giuseppe Pellizzer; 04/2019 – 03/2022; $198,752

13. Coronavirus Aid, Relief, and Economic Security (CARES) Act
    Tele-Advance Care Planning Related to COVID-19
    Role: Co-Investigator; PIs: Edward Ratner, J. Riley McCarten; 01/2021 – 09/2021; $308,551

14. Defense and Veterans Brain Injury Center, Defense Health Agency
    Deep Transcranial Magnetic Stimulation for the Treatment of Alcohol Use Disorder in Mild Traumatic Brain Injury
    Role: Co-Principal Investigator; PI: Kelvin Lim; 01/2016 - 12/2020

15. U.S. Department of Veterans Affairs, Veterans Health Administration, Rehabilitation Research and Development Service, Chronic Effects of Neurotrauma Consortium, 5I01RX002173-04
    Visual Sensory Impairments and Progression Following Mild TBI
    Role: Co-Investigator; PIs: Randy Kardon, Kelvin Lim; 01/2016 – 12/2018; $2,478,000

16. Minnesota Office of Higher Education Spinal Cord Injury & Traumatic Brain Injury Grant Program
Transcranial Direct Current Stimulation (tDCS) as an Intervention for Patients with Traumatic Brain Injury; Role: Co-Investigator; PI: Tasha Nienow; 07/2016 – 06/2018

17. NIAAA R01AA009367 *Twin Study of Female Alcoholism and Other Disorders*
Role: Co-Investigator; PI: Matthew McGue; 09/1992 – 06/2014

18. NIDA R01DA005147 *Twin Family Study of Vulnerability to Substance Abuse*
Role: Co-Investigator; PI: William Iacono; 01/2009 – 12/2013

PROFESSIONAL ACTIVITIES

Federal Advisory Committee member, VA ORD 09/2024 – 09/2027
Scientific Merit Review Board Subcommittee on Behavioral Health &
Social Reintegration

Core Researcher, Minneapolis VA's Rehabilitation & Engineering Center for 2025 – present
Optimizing Veteran Engagement & Reintegration (RECOVER)

University of Minnesota MnDRIVE Brain Conditions Researcher 2024 – present

University of Minnesota Clinical and Translational Science Institute (CTSI) 2023
Translational Science Symposium & Poster Session; Judge

Ad Hoc Member, VA Office of Research and Development, Rehabilitation 2022 – present
Research and Development Service (RR&D), Department of Veterans Affairs
Small Projects (SPiRE) and Merit Award Review Boards

Mentor, University of Georgia Mentor Program 2022 – present

Review Editor, Editorial Board, *Frontiers in Integrative Neuroscience* 2021 – present

Board of Directors, Center for Veterans Research and Education 2019 - 2023
CVRE is a VA-affiliated non-profit that administers grants and supports a variety of research and educational programs for VA researchers. CVRE's mission is advancing the health and well-being of our country's veterans through cutting-edge medical research and education leading to prevention, diagnosis, and management of disease and disability.

Career Program Consultant, Eden Prairie High School Senior Intern Program 2021 - present

Member (past and present): Organization for Human Brain Mapping, Research Society on Alcoholism, Society for Psychophysiological Research, Association for Psychological Science, Society for the Teaching of Psychology

Graduate Student Representative to UGA Cognitive/Experimental Faculty 2005-06

Psi Chi National Honor Society, UGA Chapter Graduate Secretary 2004-05
Neuroscience Student Association, Member 2003-07

Manuscript Reviewer for**:** *Behavioral Neuroscience, Brain and Cognition; Brain Sciences; Experimental Brain Research; Forensic Sciences Research; Frontiers in Neurology; Frontiers in Neuroscience; International Journal of Neuroscience; International Journal of Psychophysiology; Journal of Abnormal Child Psychology; Journal of the American Geriatrics Society; Journal of Neurotrauma; Neuromodulation: Technology at the Neural Interface; Neuropsychologia; Neuropsychology Review; PLOS ONE; Psychiatry Research; Psychology of Addictive Behaviors; Psychophysiology; Schizophrenia Bulletin*

HONORS AND AWARDS

Herbert Zimmer Scholar for Outstanding Research, University of Georgia 2007
University of Georgia, Graduate School Student Travel Award 2007
Paul D. Coverdell Neuroimaging Program Franklin Foundation Travel Award 2005-06
University of Georgia, Department of Psychology Research Assistantship:
- MEG/ EEG lab manager, BioImaging Research Center 2003-07
- Graduate Research Asst., Cognitive & Clinical Neuroscience Lab 2002-07

Carol P. Sinnott Graduate Student Research Award 2000-02
University of South Alabama, Department of Psychology, Research Assistantship:
- Graduate Research Assistant, Comparative Hearing Lab 2000-02

TEACHING, SUPERVISION, MENTORING

Adjunct Faculty, Department of Psychology 2012 - present
Hawaii Pacific University, Honolulu, HI
Courses taught: Introduction to Psychology, Psychology of Substance Abuse (online course), Tests and Measurements (online course)

Adjunct Faculty, Department of Psychology 2006 - 2007
Athens Technical College, Athens, GA
Courses taught: Introduction to Psychology

Instructor, The Princeton Review, Athens, GA 2005 - 2006
Courses taught: Graduate Records Examinations (GRE) preparation courses

Graduate Teaching Assistant, Dept. of Psychology, Univ. of Georgia 2005 - 2007
Courses: Cognitive Neuroscience; EEG and MEG Research in Psychology; Psychology of Learning; Cognitive Psychology.

Mentoring
Directed Research Projects
- Kara Hoffmann, *Analyzing AI's accuracy in predicting final scores of sports games*, Eden Prairie High School Research & Design Capstone Course, Spring 2025

- Brooke Bjerke, *Feasibility of Running a Neuromodulation Study Aimed at Reducing Suicide in High-Risk Psychiatric Inpatient Veterans*, University of Minnesota Psychology Dept., Winter 2024/Spring 2025
- Christopher Hollowell, *Impulsivity in Veterans with Mild TBI: Associations between MMPI-2-RF Scores and the BIS-11*, Minneapolis VA, Spring 2015
- Joshua Raven, *The Assessment of Internalizing Problems in Veterans with Mild TBI: Associations between MMPI-2-RF Scores and the DASS-21*, Minneapolis VA, Spring 2015
- Connie Du, *The Effect of Traumatic Brain Injuries on Cognition in Veterans*, Minneapolis VA, Spring 2014

PUBLICATIONS

Complete bibliography online here.
https://www.ncbi.nlm.nih.gov/myncbi/casey.gilmore.1/bibliography/public/

Preprint/Submitted

Jamal, Hamza; Rawls, Eric; Gilmore, Casey S. (2026). Large-Scale Network Effective Connectivity Following tDCS Paired With Cognitive Training in Veterans With Traumatic Brain Injury. Under review at *Brain and Behavior*.

Hein, Katherine E.; Palmer, Beryl; Bjerke, Brooke; Chu, Carol; Gilmore, Casey S. (2026). Pilot Study of Combined tDCS and Cognitive Training Intervention for Suicide Risk with Ecological Momentary Assessment: Feasibility and Acceptability in Psychiatric Inpatient Veterans. *PsyArXiv*. 6 Aug. 2026. https://doi.org/10.31234/osf.io/nqmr7_v1 . Under review at *Journal of Affective Disorders*.

Hungerford, Lars; Gimbel, Sarah; Romabiles, Emily; Ettenhofer, Mark; Molnar, Sean; Larkin, Florence; Aguirre, Angelica; Davenport, Nicholas; Gilmore, Casey. (2026). Remotely Supervised tDCS Combined with Cognitive Training to Improve Complex Attention in Active Duty Service Members and Veterans with mild TBI (Cognetric). Under review at *Contemporary Clinical Trials.*

Rawls, Eric; Gilmore, Casey S.; Kummerfeld, Erich; Lim, Kelvin O.; Nienow, Tasha. (2026). Noninvasive Neuromodulation of Prefrontal Oscillatory Causal Connectivity Improves Executive Function and Clinical Presentation in Mild Traumatic Brain Injury. Under review at *Brain Stimulation.*

Jamal, Hamza; Camchong, Jazmin; Lim, Kelvin O.; Gilmore, Casey S. (2026). Improved inhibitory control following combined transcranial direct current stimulation (tDCS) and cognitive training in individuals with traumatic brain injury and impulsivity. *PsyArXiv*. 9 Apr. 2025. https://doi.org/10.31234/osf.io/rbpke_v2 . Under review at *Brain and Cognition.*

Published

Shiroma, Paulo R.; Thuras, Paul; Polusny, Melissa; Kehle-Forbes, Shannon; Disner, Seth; Pardo, Jose V.; Gilmore, Casey S.; Tolly, Brian; Voller, Emily; McManus, Eliza; King, Christie; Lipinski, Alexandra; Eng, Emily; Hawkinson, Francine; Wang, Gloria. (2024). Ketamine-enhanced Prolonged Exposure Therapy in Veterans with PTSD: A Randomized Controlled Trial Protocol. *Contemporary Clinical Trials*, *143*(107569). doi: 10.1016/j.cct.2024.107569.

Rawls, Eric; Gilmore, Casey S.; Kummerfeld, Erich; Lim, Kelvin O.; Nienow, Tasha (2023). A Computational Framework for EEG Causal Oscillatory Connectivity. *Proceedings of Machine Learning Research, 223*, 52-68. PMCID: PMC11545965.

Camchong, Jazmin; Fiecas, Mark; Gilmore, Casey S.; Kushner, Matt; Kummerfeld, Erich; Mueller, Bryon A.; Roediger, Donovan; Lim, Kelvin O. (2023). Frontal tDCS reduces alcohol relapse rates by increasing connections from left dorsolateral prefrontal cortex to addiction networks. *Brain Stimulation*, *16*(4):1032-1040. doi: 10.1016/j.brs.2023.06.011.

Marquardt, Craig A.; Chu, Carol; Hill, Jessica E.; Venables, Noah C.; Kuzenski, Laci; Davenport, Nicholas D.; Disner, Seth G.; Finn, Jacob A.; Gilmore, Casey S.; Erbes, Christopher R.; Urošević, Snežana. (2023). Evaluating Resilience in Response to COVID-19 Pandemic Stressors Among Veteran Mental Health Outpatients. *Journal of Psychopathology and Clinical Science*, *132*(1), 26-37. https://doi.org/10.1037/abn0000789

Camchong, J., Haynos, A., Hendrickson, T., Fiecas, M.B., Gilmore, C.S., Mueller, B.A., Kushner, M.G., Lim, K.O. (2022). Resting hypoconnectivity of theoretically-defined addiction networks during early abstinence predicts subsequent relapse in alcohol use disorder. *Cerebral Cortex*, 32(12), 2688-2702. doi: 10.1093/cercor/bhab374

Boroda, E., Armstrong, M., Gilmore, C.S., Gentz, C., Fenske, A., Fiecas, M., Hendrickson, T., Mueller, B.A., Kardon, R., Lim, K.O. (2021). Network Topology Changes in Long Term Chronic Mild Traumatic Brain Injury. *NeuroImage: Clinical, 31:*102691. doi: 10.1016/j.nicl.2021.102691

Gilmore, C.S., Lim, K.O., Garvin, M.K., Wang, J., Ledolter, J., Fenske, A.L., Gentz, C.L., Nellis, J., Armstrong, M.T., Kardon, R.H. (2020). Association of optical coherence tomography with longitudinal neurodegeneration in veterans with chronic mild traumatic brain injury. *JAMA Network Open, 3(*12*)*, e2030824. doi: 10.1001/jamanetworkopen.2020.30824

Gilmore, C.S., Dickmann, P.J., Nelson, B.G., Lamberty, G.J., Lim, K.O. (2018). Transcranial direct current stimulation (tDCS) paired with a decision-making task reduces risk-taking in a clinically impulsive sample. *Brain Stimulation, 11*(2), 302-309. doi: 10.1016/j.brs.2017.11.011

Gilmore, C.S., Marquardt, C.A., Kang, S.S., Sponheim, S.R. (2018). Reduced P3b brain response during sustained attention is associated with remote blast mTBI and current PTSD in U.S. military veterans. *Brain Behavioral Research*, 340, 174-182. Special issue on Traumatic Brain Injury: "Neuropathological, Cellular and Behavioral Mechanisms in Traumatic Brain injury: Insights on different Animal Models of Neurotrauma". doi: 10.1016/j.bbr.2016.12.002

Gilmore, C.S., Camchong, J., Davenport, N.D., Nelson, N.R., Kardon, R.H., Lim, K.O, Sponheim, S.R. (2016). Deficits in visual system functional connectivity after blast-related mild TBI are associated with injury severity and executive dysfunction. *Brain and Behavior, 6*(5), e00454. doi: 10.1002/brb3.454

Gilmore, C.S. & Fein, G. (2013). Induced theta activity as a biomarker for a morbid effect of alcoholism on the brain in long-term abstinent alcoholics. *Journal of Psychophysiology, 27*(2), 76-83. doi: 10.1027/0269-8803/a000088

Gilmore, C.S. & Fein, G. (2012). Theta event-related synchronization is a biomarker for a morbid effect of alcoholism on the brain that may partially resolve with extended abstinence. *Brain and Behavior, 2*(6), 796-805. doi: 10.1002/brb3.95; PMC3500466

Hamm, J.P., Gilmore, C.S., & Clementz, B.A. (2012). Augmented gamma band auditory steady-state responses in schizophrenia: Support for NMDA hypofunction in schizophrenia. *Schizophrenia Research, 138*(1), 1-7.

Gilmore, C.S., Malone, S.M., & Iacono, W.G. (2012). Is the P3 amplitude reduction seen in externalizing psychopathology attributable to stimulus sequence effects? *Psychophysiology, 49*(2), 248-51. doi: 10.1111/j.1469-8986.2011.01299.x

Hamm, J.P., Gilmore, C.S., Picchetti, N.A.M., Sponheim, S.R., & 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

Gilmore, C.S., Malone, S.M., & Iacono, W.G. (2010). Brain electrophysiological endophenotypes for externalizing psychopathology: A multivariate approach. *Behavior Genetics, 40*(2), 186-200. doi:10.1007/s10519-010-9343-3

Gilmore, C.S., Malone, S.M., Bernat, E.M., & Iacono, W.G. (2010). Relationship between the P3 event-related potential, its associated time-frequency components, and externalizing psychopathology. *Psychophysiology, 47*(1), 123-132. doi:10.1111/j.1469-8986.2009.00876.x

Gilmore, C.S., Clementz, B.A., & Berg, P. (2009). Hemispheric differences in auditory oddball responses during monaural versus binaural stimulation. *Intl Journal of Psychophysiology 73*(3), 326-333. doi:10.1016/j.ijpsycho.2009.05.005

Camchong, J., Goodie, A.S., McDowell, J.E., Gilmore, C.S., & Clementz, B.A. (2007). A cognitive neuroscience approach to studying the role of overconfidence in problem gambling. *Journal of Gambling Studies, 23*(2), 185-99. doi:10.1007/s10899-006-9033-5

Gilmore, C.S., Clementz, B.A., & Buckley, P.F. (2005). Stimulus sequence affects schizophrenia-normal differences in event processing during an auditory oddball task. *Cognitive Brain Research, 24(2)*, 215-227. doi:10.1016/j.cogbrainres.2005.01.020

Gilmore, C.S., Clementz, B.A., & Buckley, P.F. (2004). Rate of stimulation affects schizophrenia-normal differences on the N1 auditory-evoked potential. *Neuroreport, 15(18),* 2713-17.

Sinnott, J.M. & Gilmore, C.S. (2004). Perception of place-of-articulation information in natural speech by monkeys vs humans. *Perception and Psychophysics, 66(8),* 1341-50.

Book Chapters

Gilmore, Casey; Lim, Kelvin O.; Kardon, Randy H. (2026). Visual impairments following Traumatic Brain Injury. In Niruj Agrawal and Peter Jenkins (Eds.), *Oxford Textbook of Traumatic Brain Injury* (Chapter 27). Oxford University Press. ISBN: 9780192899507.

PRESENTATIONS

Media Appearances

"'Quietest place on Earth' found to ease PTSD symptoms in veterans". Interviewed by Jeremy Olson, *Star Tribune,* June 5, 2026. Online here. https://www.startribune.com/veterans-with-ptsd-found-some-relief-in-quietest-place-on-earth/601852161

"VA/UMN study designed to help prevent Veteran suicide". Interviewed for Suicide Awareness Month by Christine Morgan, UMN Medical School, Sept. 21, 2022. Online here. https://med.umn.edu/psychiatry/news/vaumn-study-designed-help-prevent-veteran-suicide

"'Mostly Science' podcast coverage of the Brain Twitter Conference 2019". Interviewed by Wes Wilson, *Mostly Science,* March 14, 2019. Online here, starting ~1:46:00. https://www.facebook.com/MostlyScience/videos/576176919525025/

"Minneapolis VA researchers explore electrical current to treat dangerous impulses". Interviewed by Jeremy Olson, *Star Tribune,* May 12, 2017. Online here. http://www.startribune.com/va-researchers-explore-electrical-current-to-treat-dangerous-impulses/421953273/

Talks Given

Gilmore, Casey S. (2026). Reduced External Sensory Environment Therapy for Veterans with PTSD. Presented at the Minneapolis VA Mental Health Research Colloquium, Sept. 15, 2026 and at Mental Health Grand Rounds, Oct. 9, 2026.

Hein, Katherine; Palmer, Beryl; Yu, Carol; Gilmore, Casey. (2026). "Feasibility of a Combined Transcranial Direct Current Stimulation and Cognitive Training Intervention Aimed at Reducing Suicide Risk in Psychiatric Inpatient Veterans". Presented at the International Neuromodulation Society 17th World Congress in Lisbon, Portugal, May 9-14, 2026.

Hungerford, Lars; Gilmore, Casey S; Gimbel, Sarah I.; Romabiles, Emily; Nandi, Rima; Molnar, Sean (2026). "Advancing Non-Invasive Brain Stimulation in Service Members and Veterans with TBI and Co-occurring Conditions". Presented at the International Neuromodulation Society 17th World Congress in Lisbon, Portugal, May 9-14, 2026.

Gilmore, Casey S. (2024). A Neuromodulation Approach to Reduce Impulsivity in Parkinson's Disease. Presented at the GRECC Monthly Roundtable, May 9, 2024.

Gilmore, Casey S; Lim, Kelvin O.; Yu, Carol C. (2024). Quantifying Heterogeneity of Suicide Risk in Inpatient Veterans Using Individual Causal Models. Presented at the 3rd annual Suicide Research Symposium, April 18, 2024.

Gilmore, Casey S; Yu, Carol C. (2023). Ecological Momentary Assessment with High-Risk Suicidal Veterans Following Inpatient Psychiatric Care. Presented at the Association for Behavioral and Cognitive Therapies (ABCT) annual meeting, Nov. 2023.

Gilmore, Casey S. (2023). Effects of Neuromodulation and Cognitive Training for Suicide in Veterans (ENACTS). Presented at the Minneapolis VA Medical Center Leadership Meeting, Sept. 21, 2023.

Rawls, Eric; Gilmore, Casey S.; Kummerfeld, Erich; Lim, Kelvin O.; Nienow, Tasha. (2023). A Computational Framework for EEG Causal Oscillatory Connectivity Reveals tDCS-Induced Connectivity Changes. Presented at the Causal Analysis Workshop Series 2023, Minneapolis, MN, Aug. 14-15, 2023.

Hungerford, Lars; Gilmore, Casey. (2023). Neuromodulation-Induced Hebbian Neuroplasticity to Optimize Complex Attention Following Mild Traumatic Brain Injury. Presented at the annual Military Health System Research Symposium (MHSRS), Orlando, FL, Aug. 2023.

Gilmore, Casey (2023). Harnessing Brain Plasticity in Mental Health. Minneapolis VA Mental Health Grand Rounds, March 2023.

Gilmore, Casey (2023). Assessment of Neural Dynamics in Severe Traumatic Brain Injured Patients with Disorders of Consciousness. Minneapolis VA EC&R Grand Rounds, March 2023.

Gilmore, Casey (2023). Neuromodulation for treatment/prevention of cognitive decline/dementia. GRECC Advisory Subcommittee (GAS) Meeting, February 2023.

Gilmore, C.S. (2022). Effects of Neuromodulation and Cognitive Training for Suicide in Veterans: The ENACTS study. Minneapolis VA Research Service Conference, March 2022.

Gilmore, Casey; Peterson, Michelle, Mortimer, Diane; Pellizzer, Giuseppe (2022). Assessment of Neural Dynamics in Severe Traumatic Brain Injured Patients with Disorders of Consciousness. MVAHCS EC&R Grand Rounds, March 2022.

Gilmore, C.S. (2022). Careers in Neuroscience and Aging Research. Invited talk by the EPHS International Youth Neuroscience Association, Eden Prairie, MN, January 4, 2022.

Gilmore, C.S. (2021). The eyes are the window into the brain: Visual system biomarkers for neurodegeneration. Minneapolis VA Extended Care and Rehabilitation Grand Rounds, Minneapolis, MN, March 2021.

Gilmore, C.S. (2020). Neuromodulation in Mental Health. Minneapolis VA Mental Health Research Colloquium, Minneapolis, MN, December 15, 2020.

Gilmore, C.S. (2020). Harnessing Brain Plasticity in Rehabilitation. Minneapolis VA Extended Care and Rehabilitation Grand Rounds, Minneapolis, MN, March 19, 2020.

Gilmore, C.S. (2019). Traumatic Brain Injury Research and Rehabilitation. Invited seminar at BeechWood, Inc., a nonprofit organization dedicated to helping individuals live independently by providing supportive services, training, advocacy and supervision, Minneapolis, MN, Sept. 18, 2019.

Gilmore, C.S. (2019). Combined tDCS and Cognitive Training to Reduce Impulsivity. Cognitive Remediation in Psychiatry conference, New York, NY, June 2019.

*Gilmore, C.S. & Nienow, T.M. (2019). Non-Invasive Brain Stimulation as an Intervention for Traumatic Brain Injury. Session presented at the Minnesota Brain Injury Alliance annual conference, April 2019. *Session Chair/Moderator and Speaker

Kardon, R.H., Lim, K.O., Gilmore, C.S., Ledolter, J. (2019). Progressive neurodegeneration of the retinal nerve fiber layer in veterans with mild traumatic brain injury. Presented at the North American Neuro-Ophthalmology Society annual meeting, March 2019.

Hendrickson, T., Gilmore, C.S., Mueller, B.A., Kardon, R.H., Lim, K.O. (2018). Greater Attentional Resources are Required in Older Veterans with More Severe mTBI: An fMRI Study. Presented at the 4th Federal Interagency Conference on TBI, Washington, D.C., June 2018.

Gilmore, C.S., Peterson, M.D., Fay, B.T., Tzagarakis, C., Pellizzer, G. (2017). Assessment of neural dynamics in severe traumatic brain injured patients with disorders of consciousness. Presented at the annual Military Health System Research Symposium (MHSRS), August 2017.

Gilmore, C.S. (2013). Person-situation aspects of personality development. Invited seminar at Department of Psychology, Lynn University, Boca Raton, FL, May 28, 2013.

Gilmore, C.S. (2013). Neuroscience of addiction. Invited seminar at Department of Psychology, Wesley College, Dover, DE, May 13, 2013.

Gilmore, C.S. (2013). Neuroscience of addiction. Invited seminar at Department of Psychology, Bemidji State University, Bemidji, MN, April 1, 2013.

Gilmore, C.S. (2012). Theta event-related synchronization as a biomarker for a morbid effect of alcoholism on the brain. Invited talk at the Mind Research Network, Albuquerque, NM, November 9, 2012.

Gilmore, C.S., Malone, S.M., Iacono, W.G., & McGue, M. (2009). Genetic association between externalizing psychopathology and two brain electrophysiological multivariate endophenotypes. Paper presented as part of a symposium entitled: “Endophenotypes for Psychological Disorders: Contributions from Psychophysiology and Brain Imaging,” (Jeanette Taylor, Chair), 39th Annual Meeting of the Behavior Genetics Association, Minneapolis, MN, June, 2009.

Gilmore, C.S., Malone, S.M., Iacono, W.G., & McGue, M. (2009). Nature of the genetic association between externalizing psychopathology and brain electrophysiology. Annual Meeting of Genes, Environment, and Development Initiative (GEDI) Steering Committee and GEDI Advisory Board, Washington DC, March 11, 2009.

Gilmore, C.S. & Clementz, B.A. (2004). Processing of relevant vs. irrelevant auditory information in schizophrenia. Paper presented as part of Brain Awareness Week at the 27th Annual Convention of the Behavioral Sciences, Athens, Georgia, March 2004.

Clementz, B.A. & Gilmore, C.S. (2003). Temporal integration of steady-state auditory stimuli in schizophrenia. Paper presented as part of a symposium entitled “Gamma-band measures of

neuronal activity: A new frontier in schizophrenia research," at the 43rd Annual Meeting of the Society for Psychophysiological Research, Chicago, Illinois, October 2003.

Poster Presentations

Palmer, Beryl; Gilmore, Casey. (2026). "tDCS and Cognitive Training to Improve Complex Attention Following Mild TBI in Veterans". Poster presented at the UMN Neuromodulation Symposium, Oct. 23, 2026.

Scanlon, Natalie; Lim, Kelvin; Gilmore, Casey. (2026). "tDCS Combined with Cognitive Training Improves Sleep and Well-Being in Veterans with mild TBI". Poster presented at the UMN Neuromodulation Symposium, Oct. 23, 2026.

Kulkarni, Maitreyee; Gilmore, Casey; Sponheim, Scott; Kent, Jerillyn S. (2026). "Assessment of postural sway, a cerebellar-mediated motor behavior, in individuals with psychotic disorders and their biological first-degree relatives". Poster presented at the 39th annual Society for Research in Psychopathology conference, Columbus, Ohio, October 8-11, 2026.

Scanlon, Natalie; Gilmore, Casey; Lim, Kelvin. (2026). "Examining the Effects of tDCS Combined with Cognitive Training Intervention for Improving Insomnia in Veterans with a mTBI". Poster presented at the Minneapolis VA Health Care System Research Day, June 4, 2026.

De Luna Alonzo, Mayela; Fenske, Alicia; Lim, Kelvin; Gilmore, Casey. (2026). "Examining Psychological Effects of Reduced Sensory Input in PTSD: Preliminary Findings from RESET". Poster presented at the Minneapolis VA Health Care System Research Day, June 4, 2026.

Palmer, Beryl ; Fenske, Alicia; Lim, Kelvin; Gilmore, Casey. (2026). "Preliminary Pilot Evaluation of an Anechoic Chamber Exposure Protocol for PTSD: Early Symptom Trajectories in Veterans". Poster presented at the Minneapolis VA Health Care System Research Day, June 4, 2026.

Romabiles, Emily; Nandi, Rima; Ettenhofer, Mark; Gimbel, Sarah; Gilmore, Casey; Hungerford, Lars. (2026). "Predicting Adherence to Remotely Supervised Transcranial Direct Stimulation Plus Cognitive Training in Active Duty Service Members with Mild Traumatic Brain Injury: Preliminary Findings". Poster presented at the International Neuromodulation Society 17th World Congress in Lisbon, Portugal, May 9-14, 2026.

Gilmore, Casey; Camchong, Jazmin; Nienow, Tasha; Hemmy, Laura. (2026). "Remote Stimulation and Training to Advance Recovery from Traumatic Brain Injury in Seniors (ReSTART)". Poster presented at the International Neuromodulation Society 17th World Congress in Lisbon, Portugal, May 9-14, 2026.

Hungerford, Lars; Romabiles, Emily; Molnar, Sean; Larkin, Florence; Nandi, Rima; Gimbel, Sarah; Gilmore, Casey. (2025). "A Preliminary Look at Compliance Differences Between Active Duty Service Members and Veterans in a Remotely Supervised tDCS Study". Poster presented at the annual Military Health System Research Symposium (MHSRS), Aug. 2025.

Kazynski, Megan; Indvik, Levi; Yu, Carol C.; Lim, Kelvin O.; Gilmore, Casey S. (2025). "The Effects of Neuromodulation and Cognitive Training for Suicide in Veterans (ENACTS) study: Preliminary results on reducing impulsivity and improving mood in inpatients at risk of suicide". Poster presented at the Minneapolis VA Health Care System Research Day, June 26, 2025.

Bjerke, Brooke; Yu, Carol; Lim, Kelvin O.; Gilmore, Casey S. (2025). "Feasibility of Running a Neuromodulation Study Aimed at Reducing Suicide in High-Risk Psychiatric Inpatient Veterans". Poster presented at the UMN Neuromodulation Symposium, May 2025 and at the Minneapolis VA Health Care System Research Day, June 26, 2025.

Rawls, Eric; Gilmore, Casey; Kummerfeld, Erich; Lim, Kelvin; Nienow, Tasha. (2025). "Noninvasive Neuromodulation of Prefrontal Oscillatory Causal Connectivity Improves Executive Function and

Clinical Presentation in Mild Traumatic Brain Injury". Poster presented at the UMN Neuromodulation Symposium, May 2025.

Gilmore, Casey; Peterson, Michelle, Mortimer, Diane; Pellizzer, Giuseppe. (2025). "Brain signatures during the course of emergence from disorders of consciousness after severe brain injury as targets for neuromodulation intervention". Poster presented at the 6th International Brain Stimulation Conference, Kobe, Japan, Feb. 2025.

Jamal, Hamza; Camchong, Jazmin; Lim, Kelvin O.; Gilmore, Casey S. (2025). "Combined transcranial direct current stimulation (tDCS) and cognitive training improves inhibitory control in clinically impulsive patients with Traumatic Brain Injury". Poster presented at the 6th International Brain Stimulation Conference, Kobe, Japan, Feb. 2025.

Gilmore, Casey S.; Pellizzer, Giuseppe. (2025). "Reducing impulsivity in Parkinson's disease patients with a transcranial direct current stimulation (tDCS) plus cognitive training intervention". Poster presented at the 6th International Brain Stimulation Conference, Kobe, Japan, Feb. 2025.

Kazynski, Megan; Li, Lillian; Larkin, Florence; Yu, Carol; Lim, Kelvin O.; Gilmore, Casey S. (2024). "Personalized Causal Models of Suicide Risk in Veterans following Inpatient Psychiatric Care". Poster presented at the MVAHCS Research Day, May, 2024.

Jamal, Hamza; Camchong, Jazmin; Lim, Kelvin O.; Gilmore, Casey S. (2024). "Combined transcranial direct current stimulation (tDCS) and cognitive training improves inhibitory control in clinically impulsive patients with Traumatic Brain Injury". Poster presented at the MVAHCS Research Day, May, 2024.

Gilmore, Casey S.; Pellizzer, Giuseppe. (2024). "Reducing impulsivity in Parkinson's disease patients with a transcranial direct current stimulation (tDCS) plus cognitive training intervention". Poster presented at the MVAHCS Research Day, May, 2024.

Camchong, J., Fiecas, M., Gilmore, C.S., Kushner, M., Kummerfeld, E., Mueller, B.A., Roediger, D., Lim, K.O. (2023). "Stimulating dorsolateral prefrontal with tDCS reduces alcohol relapse rates and increases frontal-incentive salience connectivity". Presented at the Research Society for Alcoholism annual meeting, June 2023.

Jamal, Hamza; Carson, Molly; Larkin, Florence; Moua, Angel; Lim, Kelvin O.; Gilmore, Casey S. (2023). Reducing Impulsive Behavior in Veterans with Traumatic Brain Injury (TBI) using Transcranial Direct Current Stimulation (tDCS) Paired with Cognitive Training Tasks. Presented at the UMN Neuromodulation Symposium, April 2023.

Hungerford, Lars; Gilmore, Casey. (2022). "Transcranial Direct Current Stimulation to Improve Complex Attention Following Mild Traumatic Brain Injury". Poster presented at the annual Military Health System Research Symposium (MHSRS), Sept. 2022.

Gilmore, Casey; Peterson, Michelle, Mortimer, Diane; Pellizzer, Giuseppe. (2022). "Brain signatures during the course of emergence from the unresponsive wakeful/vegetative state after severe brain injury". Poster presented at the MVAHCS Research Day, June, 2022.

Gilmore, Casey; Yu, Carol; Thuras, Paul; Lim, Kelvin. (2022). "Effects of Neuromodulation and Cognitive Training for Suicide in Veterans: The ENACTS study". Poster presented at the MVAHCS Research Day, June, 2022.

Gilmore, Casey; Yu, Carol; Lim, Kelvin. (2022). "Multimodal Characterization of Suicide Risk in Veteran Inpatients". Poster presented at the MVAHCS Research Day, June, 2022.

Gilmore, Casey; McCarten, Riley; Lim, Kelvin; Hemmy, Laura. (2022). "Combined tDCS and Cognitive Training for Mild Cognitive Impairment and Early Clinical Alzheimer's Type Dementia". Poster presented at the MVAHCS Research Day, June, 2022.

Hungerford, Lars; Gilmore, Casey. (2021). Transcranial Direct Current Stimulation to Improve Attention, Concentration, and Working Memory Following Mild Traumatic Brain Injury. Presented at the annual Military Health System Research Symposium (MHSRS), August 2021.

Marquardt, Craig A.; Erbes, Christopher R.; Venables, Noah C.; Davenport, Nicholas D.; Disner, Seth G.; Finn, Jacob A.; Gilmore, Casey S.; Kuzenski, Laci; Hill, Jessica E.; Chu, Carol & Urošević, Snežana. (2021). Evaluating Resilience Capacity in Response to COVID-19 Pandemic-related Stressors Among Mental Health Outpatients. Presented at VA Research Day, June 2021 and the annual Military Health System Research Symposium (MHSRS), August 2021.

Wing, Erik; Yamada, Torricia; Gilmore, Casey; Lamberty, Gregory; Nelson, Nathaniel; MacDonald, Angus; Thuras, Paul; Lim, Kelvin; Rust, Andrew; Schulte, Cody; Nienow, Tasha. (2021). Impact of Repeated tDCS Administration on Psychiatric Symptoms in Veterans with Mild Traumatic Brain Injury. Presented at VA Research Day, June 2021.

Gilmore, Casey S; Boroda, Elias; Armstrong, Michael; Gentz, Carrie; Fenske, Alicia; Fiecas, Mark; Hendrickson, Tim; Roediger, Donovan; Mueller, Bryon; Kardon, Randy; Lim, Kelvin. (2021). Global and Local Network Efficiency Changes in Veterans with Chronic Mild Traumatic Brain Injury. Presented at VA Research Day, June 2021.

Ishani, K., Gilmore, C.S., Lim, K.O. (2021). Implementing Cognitive Tasks on Mobile Devices, Desktop and Web. Presented virtually at the Society for Biological Psychiatry annual meeting, May 2021.

Ishani, K., Gilmore, C.S., Lim, K.O. (2021). Postural Instability without Visual Input in Veterans with Mild Traumatic Brain Injury. Presented virtually at the Society for Biological Psychiatry annual meeting, May 2021.

Camchong, J., Hendrickson, T., Gilmore, C.S., Mueller, B., Kushner, M., Lim, K.O. (2021). Resting Functional Connectivity within Addiction Stages Networks Predicts Time to Relapse in Alcohol Use Disorder. Presented remotely at the Society for Biological Psychiatry annual meeting, May 2021 and the 2021 Univ of Minnesota Neuromodulation Symposium, April 2021.

Nyoi, K.X., Koithan, E., Hendrickson, T., Verdoorn, H., Gilmore, C.S., Mueller, B., Kushner, M., Lim K.O., Camchong, J. (2021). Does gender matter? Gender differences in the relationship between resting-state functional connectivity and emotion regulation in alcohol use disorder. Presented at the Association for Clinical and Translational Science conference, March-Apr 2021.

Koithan, E., Nyoi, K.X., Hendrickson, T., Verdoorn, H., Gilmore, C.S., Mueller, B., Kushner, M., Lim K.O., Camchong, J. (2021). Resting Functional Connectivity of Networks Associated with Preoccupation in Alcohol Use Disorder Predicts Time to Relapse. Presented at the Association for Clinical and Translational Science conference, March-Apr 2021.

Boroda, E., Gilmore, C.S., Kardon, R., Fenske, A., Mueller, B., Hendrickson, T., Armstrong, M., Lim, K.O. (2020). Changes in Global and Local Network Efficiency in Veterans with Mild Traumatic Brain Injury. Presented virtually at the American College of Neuropsychopharmacology (ACNP) annual meeting, December 2020.

Gilmore, C.S., Kardon, R.H., Fenske, A., Hendrickson, T., Lim, K.O. (2020). Primary Visual Cortical Neurodegeneration in Veterans with Mild Traumatic Brain Injury. Presented virtually at the annual Military Health System Research Symposium (MHSRS), August 2020.

Gilmore, C.S., Ishani, K., Lim, K.O. (2020). Postural Instability without Visual Input in Veterans with Mild Traumatic Brain Injury. Presented virtually at the annual Military Health System Research Symposium (MHSRS), August 2020.

Gilmore, C.S., Kardon, R.H., Fenske, A., Hendrickson, T., Lim, K.O. (2020). Primary Visual Cortical Neurodegeneration in Veterans with Mild Traumatic Brain Injury. Presented virtually at the Society for Biological Psychiatry annual meeting, May 2020.

Gilmore, C.S., Kardon, R.H., Ledolter, J., Full, J., Nellis, J., Fenske, A., Poolman, P., Garvin, M., Wang, J., Hendrickson, T., Lim, K.O. (2019). Progressive Functional and Structural Neurodegeneration in Veterans with Mild Traumatic Brain Injury. Presented at the American College of Neuropsychopharmacology (ACNP), Orlando, FL, December 2019.

Camchong, J., Hendrickson, T., Gilmore, C.S., Mueller, B.A., Thao, M., MacDonald, A.W. III, Kushner, M., Lim, K.O. (2019). Incentive salience during early abstinence is associated with amygdala resting state functional connectivity in individuals with alcohol use disorder that later relapse. Presented at the American College of Neuropsychopharmacology (ACNP), Orlando, FL, December 2019.

Gilmore, C.S. & Lim, K.O. (2019). Transcranial direct current stimulation (tDCS) paired with a cognitive task to reduce the risk of suicide. Presented at the biannual International Summit on Suicide Research, Miami, FL, Oct. 2019.

Gilmore, C.S., Kardon, R.H., Ledolter, J., Full, J., Nellis, J., Fenske, A., Thorsrud, G., Poolman, P., Garvin, M., Wang, J., Hendrickson, T., Armstrong, M., Lim, K.O. (2019). Progressive Functional and Structural Neurodegeneration in Veterans with Mild Traumatic Brain Injury. Presented at the annual Military Health System Research Symposium (MHSRS), August 2019 and VA Research Day, May 2019.

Roy A, Hendrickson T, Mueller BA, Thao M, Kazynski M, Gilmore CS, Kushner M, Lim KO, and Camchong J. (2019). Frequency of Alcohol Use Associated with Increased Frontal Entropy and Decreased Frontal-Thalamic-Accumbens Resting State Functional Connectivity. Presented at the Research Society on Alcoholism 42nd annual conference, June 2019, Minneapolis, MN.

Kazynski M, Mueller BA, Thao M, Roy A, Hendrickson T, Gilmore CS, Kushner M, Lim KO, and Camchong J. (2019). Severity of Alcohol Use Associated with Altered White Matter Diffusivity: A Diffusional Kurtosis Imaging Preliminary Study. Presented at the Research Society on Alcoholism 42nd annual conference, June 2019, Minneapolis, MN.

Thao M, Kazynski M, Mueller BA, Roy A, Hendrickson T, Gilmore CS, Kushner M, Lim KO, and Camchong J. (2019). Impulsivity Measures in Alcohol Use Disorder Associated with Altered White Matter Diffusivity: A Diffusional Kurtosis Imaging Preliminary Study. Presented at the Research Society on Alcoholism 42nd annual conference, June 2019, Minneapolis, MN.

Hachiya, L.Y., Finn, J., Gilmore, C.S., Lim, K.O., Kardon, R.H. (2019). The Minnesota Multiphasic Personality Inventory-2 Restructured Form and Social Participation within the Context of Mild Traumatic Brain Injury. Presented at VA Research Day, May 2019.

Gilmore, C.S., Kardon, R.H., Ledolter, J., Full, J., Nellis, J., Fenske, A., Poolman, P., Garvin, M., Wang, J., Hendrickson, T., Armstrong, M., Lim, K.O. (2019). Evidence of Structural and Functional Neurodegeneration in Veterans with Mild Traumatic Brain Injury. Presented at the Society for Biological Psychiatry annual meeting, May 2019.

Kardon, R.H., Gilmore, C.S., Ledolter, J., Full, J., Nellis, J., Fenske, A., Poolman, P., Garvin, M., Wang, J., Hendrickson, T., Lim, K.O. (2019). Progressive Neurodegeneration of the Retinal Nerve Fiber Layer in Veterans with Mild Traumatic Brain Injury. Presented at the Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2019.

Gilmore, C.S., Dickmann, P.J., Lamberty, G.J., Lim, K.O. (2019). Transcranial Direct Current Stimulation (tDCS) paired with a decision-making task reduces risk-taking in a clinically impulsive sample. Presented at the Brain Twitter Conference 2019.

Camchong, J., Roy, A., Gilmore, C., Thao, M., Kazynski, M., Fiecas, M., Mueller, B.A., MacDonald, A.W. III, Kushner, M., and Lim, K.O. (2019). Using Brain Stimulation to Modify a Brain Network and

Support Abstinence during Alcohol Use Disorder Recovery. Presented at the 3rd International Brain Stimulation Conference, Vancouver, BC, CA, Feb. 2019.

Gilmore, C.S., Lamberty, G.J., Nelson, N.W., Lim, K.O. (2018). Symptom validity screening and mild traumatic brain injury in a non-treatment seeking veteran sample. Presented at the annual Military Health System Research Symposium (MHSRS), August 2018.

Gilmore, C.S., Dickmann, P.J., Thuras, P., Lamberty, G.J., Lim, K.O. (2018). Transcranial Direct Current Stimulation (tDCS) paired with a cognitive task reduces impulsivity in a clinical population of veterans. Presented at the annual Military Health System Research Symposium (MHSRS), August 2018, and at the Defense Centers of Excellence (DCoE) Psychological Health/TBI Summit, September 2017.

Camchong, J., Roy, A., Gilmore, C.S., Goelkel, L., Boroda, E., Thao, M., Kazynski, M., Fiecas, M., MacDonald, A.W. III, Lim, K.O., Kushner, M. (2018). Using Brain Stimulation to Modify a Brain Network that Supports Abstinence during Alcohol Use Disorder Recovery. Presented at the 41st annual meeting of the Research Society on Alcoholism, San Diego, CA, June 2018 and the UMN Institute for Engineering in Medicine annual retreat, Minneapolis, MN, Sept. 2018.

Camchong, J., Roy, A., Gilmore, C.S., Goelkel, L., Fiecas, M., MacDonald, A.W. III, Lim, K.O., Kushner, M. (2018). Non-invasive brain stimulation modifies a brain network that supports abstinence during alcohol use disorder recovery. Presented at the Society of Biological Psychiatry annual meeting, New York, NY, June 2018, and at the Univ of Minnesota Clinical and Translational Science Institute's Annual Poster Session and Award Ceremony, September 2017.

Nienow, T., Yamada, T., Gilmore, C., Lamberty, G., Nelson, N., MacDonald, A.W. III, Thuras, P., Lim, K. (2017). Acceptability and Feasibility of Repeated Transcranial Direct Current Stimulation (tDCS) as an Intervention for Individuals with Mild Traumatic Brain Injury. Presented at the MN State SCI and TBI Research Advisory Council, St. Paul, MN, January 2018.

Gilmore, C.S., Lamberty, G.J., Lim, K.O. (2017). Executive functioning is associated with levels of symptom reporting in veterans with mild traumatic brain injury. Presented at the annual Military Health System Research Symposium (MHSRS), August 2017.

Kardon, R., Gilmore, C.S., Ledolter, J., Garvin, M., Wang, J.K., Lim, K.O. (2017). Assessment of progressive neuron loss in veterans with mild TBI by Optical Coherence Tomography (OCT) of inner retinal layer thickness over time. Presented at the annual Military Health System Research Symposium (MHSRS), August 2017.

Lamberty, G.J., Gilmore, C.S., Finn, J.A., Nelson, N.W. (2017). Symptom validity screening measures in non-treatment seeking veteran samples. *The Clinical Neuropsychologist*, 31(4), 740. Presented at the annual meeting of the American Academy of Clinical Neuropsychology, Boston, MA, June 2017.

Gilmore, C.S., Nelson, B.G., Armstrong, M.T., Lamberty, G.J., Lim, K.O. (2017). Engagement in a visual task increases postural stability in veterans with mild traumatic brain injury. Presented at the annual meeting of the Society for Biological Psychiatry, San Diego, CA, May 2017.

Gilmore, C.S., Dickmann, P.J., Lamberty, G.J., Armstrong, M.T., Lim, K.O. (2017). Reducing impulsivity with transcranial direct current stimulation (tDCS) and a cognitive task. Presented at the University of Minnesota Neuromodulation Symposium, Minneapolis, MN, April 2017 and the annual meeting of the Society for Biological Psychiatry, San Diego, CA, May 2017.

Mallery, R.M., Poolman, P., Thurtell, M., Full, J., Thorsrud, G., Kielbasa, A., Frohman, T., Gilmore, C.S., Lim, K.O., Frohman, E., Kardon, R. (2017). Evaluating Multiple Sclerosis and Traumatic Brain Injury using OCT-based quantification of visual fixation. Presented at the annual meeting of the North American Neuro-Ophthalmology Society, Washington D.C., April 2017.

Lim, K.O., Nelson, B.G., Lamberty, G.J., Gilmore, C.S. (2017). Combining tDCS with a task to reduce impulsivity in a clinical population. Presented at the 2nd International Brain Stimulation Conference, Barcelona, Spain, March 2017.

Gilmore, C.S., Camchong, J., Disner, S.G, Davenport, N.D., Lim, K.O, Sponheim, S.R. (2016). Blast-Related Mild TBI Severity and Current PTSD Symptomatology are Differentially Associated with Regional Homogeneity in Parietal Cortex. Presented at the annual Society for Psychophysiological Research conference, Minneapolis, MN, Sept. 2016.

Gilmore, C.S., Nelson, N.W., Finn, J.A., Lamberty, G.J., Lim, K.O. (2016). Differential Effects of Mild TBI Severity and PTSD Symptomatology on Cognitive Performance in Veterans. Presented at the annual Military Health System Research Symposium, Kissimmee, FL, August 2016.

Gilmore, C.S., Camchong, J., Disner, S.G, Davenport, N.D., Mueller, B.A., Lim, K.O, Sponheim, S.R. (2016). Blast-Related Mild TBI Severity and Current PTSD Symptomatology are Differentially Associated with Regional Homogeneity in Parietal Cortex. Presented at the annual Military Health System Research Symposium, Kissimmee, FL, August 2016.

Gentz, C.L., Carson, M.R., Gilmore, C.S., Albott, C.S., Lim, K.O., Nelson, B.G. (2016). Deep transcranial magnetic stimulation for medication refractory depression in mild traumatic brain injury. Presented at the annual Minneapolis VA Research Day, Minneapolis, MN, May 2016.

Gilmore, C.S., Carson, M.R., Gentz, C.L., Dickmann, P.J., Lamberty, G.J., Armstrong, M.T., Lim, K.O. (2016). Reducing impulsivity and risk-taking behavior using transcranial direct current stimulation (tDCS). Presented at the annual University of Minnesota Institute for Engineering in Medicine (IEM) Neuromodulation Symposium, Minneapolis, MN, April 2016.

Gilmore, C.S., Camchong, J., Sponheim, S.R., Kardon, R.H., Lim, K.O. (2015) Deficits in Visual System Functional Connectivity after Blast-Related Mild TBI are Associated with Injury Severity and Executive Dysfunction. Presented at the annual Military Health System Research Symposium, Ft. Lauderdale, FL, August 2015.

Gilmore, C.S., Camchong, J., Sponheim, S.R., Lim, K.O. (2015) Visual system resting state functional connectivity in traumatic brain injury. Presented at the annual Organization for Human Brain Mapping conference, Honolulu, HI, June 2015.

Gilmore, C.S., Gentz, C.L., Clancy, D.M., Gierke, M.R., Dickmann, P.J., Lamberty, G.J., Armstrong, M.T., Lim, K.O. (2015). Enhancing cognitive control using transcranial direct current stimulation (tDCS). Presented at the annual University of Minnesota Institute for Engineering in Medicine (IEM) Neuromodulation Symposium, Minneapolis, MN, April 2015.

Nelson, B.G., Jasberg, S.G., Gentz, C.L., Gierke, M., Otopalik, B., Gilmore, C.S., Camchong, J., Cullen, K., Schulz, S.C., Lim, K.O. (2015). Transcranial current stimulation for the treatment of medication refractory auditory hallucinations. Presented at the annual University of Minnesota Institute for Engineering in Medicine (IEM) Neuromodulation Symposium, Minneapolis, MN, April 2015.

Gilmore, C.S., Clancy, D., Nelson, B.G., Gentz, C.L., Gierke, M., Lim, K.O. (2015). Increased Postural Sway in Veterans with Mild Traumatic Brain Injury Measured with a Force Platform. Presented at the annual North American Brain Injury Society conference, San Antonio, TX, April 2015.

Nelson, B.G., Jasberg, S.G., Gentz, C.L., Gierke, M., Otopalik, B., Gilmore, C.S., Camchong, J., Cullen, K., Schulz, S.C., Lim, K.O. (2015). Transcranial current stimulation for the treatment of medication refractory auditory hallucinations. Presented at the 1st International Brain Stimulation Conference, Singapore, March 2015. (Abstract published in *Brain Stimulation 8*(2), 401).

Gilmore, C.S., Gentz, C.L., Gierke, M, Garvin, M., Kardon, R., Lim, K.O. (2014). Progressive visual system impairments following traumatic brain injury. Presented at the annual Minneapolis VA Research Day, Minneapolis, MN, June 2014.

Gilmore, C.S., Gentz, C.L., Nelson, B.G., Gierke, M., Lim, K.O. (2014). Enhancing cognitive control using transcranial direct current stimulation (tDCS) and concurrently recorded EEG. Presented at the annual University of Minnesota Institute for Engineering in Medicine (IEM) Neuromodulation Symposium, Minneapolis, MN, April 2014.

Nelson, B.G., Gentz, C.L., Gilmore, C.S., Gierke, M., Lim, K.O. (2014). The use of transcranial stimulation for hallucinations. Presented at the annual University of Minnesota Institute for Engineering in Medicine (IEM) Neuromodulation Symposium, Minneapolis, MN, April 2014.

Gilmore, C.S., Gentz, C.L., Nelson, B.G., Schulz, S.C., Lim, K.O. (2013). Enhancing cognitive control using transcranial direct current stimulation. Presented at the annual University of Minnesota Institute for Engineering in Medicine (IEM) Conference and Retreat, Minneapolis, MN, September 2013.

Gilmore, C.S. & Fein, G. (2013). Event-related theta synchronization as a biomarker for alcoholism's morbid effect on brain function in treatment-naïve actively drinking alcoholics. Presented at the 41st annual meeting of the International Neuropsychological Society, Waikoloa, Hawaii, February 2013.

Gilmore, C.S. & Fein, G. (2012). Signal or noise? Non-phase-locked theta event-related oscillations discriminate long-term abstinent alcoholics from controls. Presented at the 35th annual meeting of the Research Society on Alcoholism, San Francisco, CA, June 2012.

Hamm, J.P., Gilmore, C.S., & Clementz, B.A. (2011). High gamma (>60Hz) abnormalities in schizophrenia patients during auditory steady-state stimulation. Presented at the 13th International Congress on Schizophrenia Research, Colorado Springs, Colorado, April 2011.

Gilmore, C.S., Malone, S.M., Clementz, B.A. & Iacono, W.G. (2010). Stimulus sequence effects and the stability of P3 ERP amplitude reduction in externalizing psychopathology. Presented at the 40th annual meeting of the Society for Neuroscience, San Diego, CA, November 2010.

McLaughlin, I., Bernat, E.M., Vidovic, D., Burwell, S., Hammer, M., Bedford, D., Klaphake, J.A., Gilmore, C.S., Iacono, W.G., Malone, S.M. (2010). ERP and personality correlates of executive control: Time-frequency decomposition of the Go/NoGo ERP task in adolescent subjects. Presented at the 50th Annual Meeting of the Society for Psychophysiological Research, Portland, OR, October 2010. (Abstract published in *Psychophysiology*, 47, S1, p. S40).

Vidovic, D., Bernat, E.M., Burwell, S., Hammer, M., McLaughlin, I., Bedford, D., Klaphake, J.A., Gilmore, C.S., Iacono, W.G., Malone, S.M. (2010). Decomposing the mismatch negativity using time-frequency analysis. Presented at the 50th Annual Meeting of the Society for Psychophysiological Research, Portland, OR, October 2010. (Abstract published in *Psychophysiology*, 47, S1, p. S40).

Hammer, M., Malone, S.M., Burwell, S., Bedford, D., McLaughlin, I., Vidovic, D., Gilmore, C.S., Iacono, W.G. (2009). ERP features in adult females with traits indicative of borderline personality disorder. Presented at the 49th Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany, October 2009.

McLaughlin, I., Bedford, D., Burwell, S., Hammer, M., Vidovic, D., Gilmore, C.S., Malone, S.M., Iacono, W.G. (2009). Habituation rate and ADHD subtype in a large sample of preadolescent children. Presented at the 49th Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany, October 2009.

Gilmore, C.S., Malone, S.M., Bernat, E.M., & Iacono, W.G. (2008). Relationship between the P3 event-related potential, its underlying time-frequency components, and externalizing psychopathology. Presented at the 48th Annual Meeting of the Society for Psychophysiological Research, Austin, TX, October 2008. (Abstract published in *Psychophysiology*, 45, S1).

Gilmore, C.S. & Clementz, B.A. (2007). Dysfunction of adaptive neural gain control in schizophrenia. Presented at the 10th International Congress on Schizophrenia Research, Colorado Springs, Colorado, March 2007.

Gilmore, C.S. & Clementz, B.A. (2006). Hemispheric lateralization of evoked potentials in an auditory oddball task. Presented at the 46th Annual Meeting of the Society for Psychophysiological Research, Vancouver, BC, Canada, October 2006.

Gilmore, C.S., Puetz, T., O'Connor, P., Dishman, R., & Clementz, B.A. (2006). Spatiotemporal reliability of evoked potentials in an auditory oddball task across repeated measurements. Presented at the 46th Annual Meeting of the Society for Psychophysiological Research, Vancouver, BC, Canada, October 2006.

Camchong, J., Goodie, A.S., Clementz, B.A., McDowell, J.E., & Gilmore, C.S. (2005). A neuroimaging study of the brain under high and low confidence: The next step in decision. Presented at the 26th Annual Meeting of the Society for Judgment and Decision Making, Toronto, Ontario, Canada, November 2005.

Gilmore, C.S., Clementz, B.A., & Buckley, P.F. (2005). Auditory information integration in schizophrenia. Presented at the 9th International Congress on Schizophrenia Research, Savannah, Georgia, April 2005.

Gilmore, C.S. & Clementz, B.A. (2004). Stimulus sequence effects during processing of relevant and irrelevant stimuli in an auditory oddball task: schizophrenia-normal differences as revealed by dense-array EEG. Presented at the 34th Annual Meeting of the Society for Neuroscience, San Diego, California, October 2004.

Sinnott, J.M. & Gilmore, C.S. (2003). Perception of place-of-articulation information by monkeys vs. humans. Presented at the 145th Meeting of the Acoustical Society of America, Nashville, Tennessee, April 2003.