CORY S. INMAN

EDUCATION

EMORY UNIVERSITY
Ph.D. in Psychology, Cognition and Development (2014)

EMORY UNIVERSITY
M.A. in Psychology, Cognition and Development (2011)

GEORGIA STATE UNIVERSITY
B.A. in Psychology with High Honors (2006)

PROFESSIONAL EXPERIENCE

UNIVERSITY OF UTAH
Assistant Professor, Department of Psychology (2021-)
Adjunct Faculty, Neuroscience Program (2021-)

UNIVERSITY OF CALIFORNIA, LOS ANGELES
Assistant Researcher, Department of Psychiatry (2019-2020)

EMORY UNIVERSITY
Postdoctoral Fellow, Department of Neurosurgery (2014-2019)

GRANTS

BRAIN Initiative Brain-Behavior Quantification and Synchronization (BBQS) Grant (2024-2029) - $5,044,157
Capturing Autobiographical memory formation in People moving Through real-world spaces Using synchronized wearables and intracranial Recordings of EEG (CAPTURE), **Role: Principal Investigator**

R01MH120194-01A1, NIMH (2020-2025) - Utah Subaward: **$750,347**
Mechanisms of Amygdala-Mediated Memory Enhancement in Human, **Role: Site PI and Co-Investigator**

NSF 2124252 (2021-2024) - Full Award: $1,000,000; Utah Award: $500,000
Enhancing Episodic Memory through Real-world Integration of Brain Recording and Stimulation with Semantic Alignment of Human and IoT Perception**, Role: Principal Investigator**

NIH UO1 NS117838, NINDS (2020-2025) – Utah Subaward – 10% Effort
Neurostimulation and Recording of Real-World Spatial Navigation in Humans, **Role: Co-Investigator**

U01 NS121472, NIMH (2021-2026) – Utah Subaward – 10% Effort
Mapping Algorithmic State Space in the Human Brain, **Role: Co-Investigator**

R01 1R01MH124761-01A1 (2021-2026) – Utah Subaward – 10% Effort
Intracranial Neurophysiological Signatures of Fear and Anxiety in Humans, **Role: Co-Investigator**

Friends of Semel Research Scholar Grant (2019-2021) - $50,000
Cognitive Neuroscience of Navigation and Episodic Memory in the Wild, **Role: Principal Investigator**

PUBLICATIONS

*Contributed equally

Google Scholar Page #Graduate Student/Postdoc ## Undergraduate Student Author

Published (All Anonymously Reviewed)

1. Wahlstrom, K.L. #, Campbell, J.M.#, Hollearn, M.K.#, Swift, J., Adamek, M., Blanpain, L.#, Xie, T., Davis, T., Brunner, P., Hamann, S.B., Arain, A., Eisenman, L.N., Rolston, J.D., Rahimpour, S., Manns, J.R., Willie, J.T.*, **Inman, C.S.*** (In Press). Direct electrical stimulation of the human amygdala enhances recognition memory for objects but not scenes. *Communications Biology*.

2. Zubair, H. N., Stangl, M., Topalovic, U., **Inman, C.**, Seeber, M., Hiller, S., Rao, V. R., Halpern, C. H., Eliashiv, D., Fried, I., & Suthana, N. (2026). Eye movements reflect memory-related theta activity in the human brain. *PLOS Biology*, 24(3), e3003695. https://doi.org/10.1371/journal.pbio.3003695

3. Campbell. J.M.#, Cowan, R., Wahlstrom, K.L.#, Hollearn, M.K.#, Jensen, D.#, Davis, T., Rahimpour, S., Shofty, B., Rolston, J.D., Hamann, S.B., Wang, S., Eisenman, L., Brunner, P., Manns, J.R., **Inman, C.S.***, Smith, E.*, Willie, J.T.* (2025). Human single-neuron activity is modulated by intracranial theta burst stimulation of the basolateral amygdala. *eLife*.

4. Xie, T., van Rooij, S., **Inman, C.S.,** Wang, S., Brunner, P., and Willie, J. (2025). The case for hemispheric lateralization of the human amygdala in fear processing. *Molecular Psychiatry*.

5. Wang, S., Cao, R., Brunner, P., Chakravarthula, P., Wahlstrom, K.#, **Inman, C.,** Smith, E., Li, X., Mamelak, A., Brandmeir, N., Rutishauser, U., and Willie. J. (2025). A neuronal code for object representation and memory in the human amygdala and hippocampus. *Nature Communications,* 16, 1510.

6. Campbell J.M.#, Davis, T.S., Anderson, A., **Inman, C.S.,** Smith E.H., Rolston, JD. Macroscale traveling waves evoked by single-pulse stimulation of the human brain. (2025). *Journal of Neuroscience*.

7. Hollearn, M. K.#, Manns, J. R., Blanpain, L.#, Hamann, S. B., Bijanki, K., Gross, R. E., Drane, L. D., Campbell, J. M.#, Wahlstrom, K. L.#, Light, G. F.##, Tasevac, A. #, Demarest, P., Brunner, P., Willie, J. T.*, **Inman, C. S.** *(2024). Exploring individual differences in amygdala-mediated memory modulation. *Cognitive, Affective, & Behavioral Neuroscience*. 25, 188-209.

8. Ferris, C.S.#, **Inman, C.S.,** Hamann, S. (2024). FMRI correlates of autobiographical memory: comparing silent retrieval with narrated retrieval. *Neuropsychologia*. 196, 108842.

9. Wahlstrom, K.#, **Inman, C.S.** (2024). Your brain's save button: The Amygdala. *Frontiers for Young Minds*.

10. Xie, T., Foutz, T. J., Adamek, M., Swift, J. R., **Inman, C. S.,** Manns, J. R., Leuthardt, E. C., Willie, J. T., & Brunner, P. (2023). Single-pulse electrical stimulation artifact removal using the novel matching pursuit-based artifact reconstruction and removal method (MPARRM). *Journal of Neural Engineering*.

11. **Inman, C.S.,** Hollearn, M. #, Augustin, L. #, Campbell, J. #, Wahlstrom, K. # (2023). Discovering how the amygdala shapes human behavior: From lesion studies to neuromodulation. *Neuron*.

12. Addante, R.J., Lopez-Calderon, J.L., Allen, N., Luck, C., Muller, A., Sirianni, L., **Inman, C.S.**, Drane, D.L. (2023). An ERP measure of non-conscious memory reveals dissociable implicit processes in human recognition using an open-source automated analytic pipeline. *Psychophysiology*. e14334. https://doi.org/10.1111/psyp.14334

13. Gill, J.L.*, Schneiders, J.A.*, Stangl, M., Aghajan, Z.M., Hiller, S., Topalovic, U., Vallejo, M., **Inman, C.S.**, Villaroman, D., Bari, A., Adhikari, A., Rao, V.R., Fanselow, M., Craske, M.G., … Koek, R.J.,

Suthana, N.*, and Langevin, J-P*. (2023). A pilot study of closed-loop neuromodulation for treatment-resistant post-traumatic stress disorder. *Nature Communications*, 14 (1), 2997.

14. Topalovic, U., Barclay, S., Ling, C., Alzuhair, A., Yu, W., Hokhikyan, V., Chandrakumar, H., Rozgic, D., Jiang, W., … **Inman, C.S.**, Stangl, M., Bari, A., Fallah, A., Eliashiv, D., Pouratian, N., Chang, E., Fried, I., Suthana, N., Markovic, D. (2023). A wearable platform for closed-loop stimulation and recording of single-neuron and local field potential activity in freely-moving humans. *Nature Neuroscience*, 1–11.

15. Stangl, M., Topalovic, U., **Inman, C.S.**, Hiller, S., Villaroman, D., Aghajan, Z.M., Moore, L.C., Hasulak, N.R., Rao, V.R., Halpern, C.H., Eliashiv, D., Fried, I., Suthana, N. (2021). Boundary-anchored neural mechanisms of location-encoding for self and others. *Nature*, 589, 420–425.

16. Bijanki, K.R., van Rooij, S.J.H., Ely, T.D., Stevens, J.S., **Inman, C.S.**, … Willie, J.T. (2021). Case series: Unilateral amygdala ablation ameliorates post-traumatic stress disorder symptoms and biomarkers. *Neurosurgery*, nyaa051.

17. Sendi, M. S. E., **Inman, C. S.**, Bijanki, K. R., Blanpain, L., Park, J. K., Hamann, S., Gross, R. E., Willie, J. T., & Mahmoudi, B. (2021). Identifying the neurophysiological effects of memory-enhancing amygdala stimulation using interpretable machine learning. *Brain Stimulation*, 14(6), 1511–1519.

18. Topalovic, U., Aghajan, Z. M., Villaroman, D., Hiller, S., Christov-Moore, L., Wishard, T. J., Stangl, M., Hasulak, N. R., **Inman, C.**, …, Fried, I., & Suthana, N. (2020). Wireless Programmable Recording and Stimulation of Deep Brain Activity in Freely Moving Humans. *Neuron*, 108(2), 322-334.e9

19. Goyal, A., Miller, J., Qasim, S. E., Watrous, A. J., Zhang, H., Stein, J. M., **Inman, C. S.**, Gross, R. E., Willie, J. T., Lega, B., Lin, J.-J., Sharan, A., Wu, C., Sperling, M. R., Sheth, S. A., McKhann, G. M., Smith, E. H., Schevon, C., & Jacobs, J. (2020). Functionally distinct high and low theta oscillations in the human hippocampus. Nature Communications, 11(1), 2469.

20. Tsitsiklis, M., Miller, J., Qasim, S.E., **Inman, C.S.**, … Jacobs, J. (2020). Single-Neuron Representations of Spatial Targets in Humans. *Current Biology,* 30(2), 245-253.e4.

21. Hanslmayr, S., Axmacher, N., & **Inman, C. S.** (2019). Modulating Human Memory via Entrainment of Brain Oscillations. Trends in Neurosciences, 42(7), 485–499.

22. Riva Posse, P.*, **Inman, C.S.***, Choi, K., Crowell, A., Hamann, S., Mayberg, H. (2019). Autonomic arousal elicited by subcallosal cingulate stimulation is explained by white matter connectivity. *Brain Stimulation,* 12(3), 743-751.

23. Bijanki, K.R., Manns, J.R., **Inman, C.S.**, Choi, K.S., Harati, S, Pedersen, N.P., Drane, D., Waters, A., Fasano, R.E., Mayberg, H.S., Willie, J.T. (2019). Cingulum stimulation enhances positive affect and anxiolysis, facilitating awake craniotomy. *Journal of Clinical Investigation*, 129(3), 1152-1166.

24. Qasim, S. E., Miller, J., **Inman, C. S.**, Gross, R., Willie, J. T., Lega, B., … Jacobs, J. (2019). Memory retrieval modulates spatial tuning of single neurons in the human entorhinal cortex. *Nature Neuroscience*, 22, 2078–2086.

25. Kucewicz, M.T., Saboo, K., Berry, B.M., Kremen, V., Miller, L.R., Khadjevand, F., Wanda, P., Sperling, M.R., Gorniak, R., Davis, K., Jobst, B.C., **Inman, C.S.**, Lega, B., … Worrell, G. (2019). Human Verbal Memory Encoding Is Hierarchically Distributed in a Continuous Processing Stream. *eNeuro,* 6(1), ENEURO.0214-18.2018.

26. **Inman, C.S.,** Bijanki, K.R., Bass, D.I., Gross, R.E., Hamann, S.*, Willie, J.T.* (2018). Human amygdala stimulation effects on emotion physiology and emotional experience. *Neuropsychologia*, 145, 106722.

27. **Inman, C.S.***, Manns, J.R.*, Bijanki, K.R., Bass, D.I., Hamann, S., Drane, D.L., Fasano, R., Kovach, C.K., Gross, R.E., , Willie, J.T. (2018). Direct Electrical Stimulation of the Amygdala Enhances Declarative Memory in Humans. *Proceedings of the National Academy of Science USA*, 115(1), 98-103.

28. **Inman, C.S.**, James, G.A., Watts, K., Hamann, S. (2018). Dynamic changes in large-scale functional network organization during autobiographical memory retrieval. *Neuropsychologia,* 110, 208-224.

29. Solomon, E., Kragel, K., Gross, R., Lega, B., Sperling, M., Worrell, G., Sheth, S., Zaghloul, K., Jobst, B., Stein, J., Das, S., Gorniak, R., **Inman, C.**, Seger, S., Rizzuto, D., and Kahana, M. (2018). Medial temporal lobe functional connectivity predicts stimulation-induced theta power. *Nature Communications,* 9(1), 4437.

30. Waldman, Z., Chervenova, I., Berry, B., Kucewicz, M., Ganne, C., He, X-S., Elahian, B., Shimamoto, S., Davis, L.A., Stein, J., Das, S., Gorniak, R., Sharan, A.D., Gross, R.E., **Inman, C.S.**, …. Worrell, G., Sperling, M., Weiss, S.A. (2018). Ripple oscillations in the intracranial electroencephalogram can disrupt verbal episodic memory encoding. *Epilepsy and Behavior,* 88, 33-40.

31. Miller, J., Watrous, A.J., Tsitsiklis, M., Lee, S.A., Sheth, S., Schevon, C., Smith, E., Sperling, M.R., Sharan, A., Asadi-Pooya, A.A., Worrell, G.A., Jobst, B.C., **Inman, C.S.**, Davis, K.A., Lega, B., Das, S.R., Stein, J.M., Gorniak, R., Rizzuto, D., Jacobs, J. (2018). Lateralized hippocampal oscillations underlie distinct aspects of human spatial memory and navigation. *Nature Communications, 9.*

32. Goyal, A., Millier, J., Watrous, A.J., Lee, S.A., Coffey, T., Sperling, M.R., Sharan, A., Worrell, G., Berry, B., Lega, B., Jobst, B., Davis, K.A., **Inman, C.**, Sheth, S.A., Ezzyat, Y., Das, S.R., Stein, J., Gorniak, R., Rizzuto, D., Jacobs, J. (2018). Electrical stimulation in hippocampus and entorhinal cortex impairs spatial and temporal memory. *Journal of Neuroscience, 3049-17.*

33. Ezzyat, Y., Wanda, P.A., Levy, D.F., Kadel, A., Aka, A, Pedisich, I., Sperling, M.R., Sharan, A.D., Lega, B.C., Burks, A., Gross, R.E., **Inman, C.S.**, Jobst, B.C., Gorenstein, M.A., Davis, K.A., Worrell, G.A., Kucewicz, M.T., Stein, J.M., Gorniak, R., Das, S.R., Rizzuto, D.S., Kahana, M.J. (2018). Closed-loop stimulation of temporal cortex rescues functional networks and improves memory. *Nature Communications, 9(1), 365.*

34. Bush, K.A., **Inman, C.S.,** Hamann, S., Kilts, C.D., James, G.A. (2017). Distributed Neural Processing Predictors of Multi-dimensional Properties of Affective Signals. *Frontiers in Human Neuroscience*, 11.

35. Solomon, E., Kragel, J., Sperling, M., Sharan, A., Worrell, G., Kucewicz, M., **Inman, C.**, Lega, B., Davis, K., Stein, J., Jobst, B., Zaghloul, K., Sheth, S., Rizzuto, D., Kahana, M. (2017). Widespread theta synchrony and high-frequency desynchronization underlies enhanced cognition. *Nature Communications*, 8(1), 1704.

36. Ezzyat, Y., Kragel, J.E., Burke, J.F., Levy, D.F., Lyalenko, A., Wanda, P., O'Sullivan, L., Hurley, K.B., Busygin, S., Pedisich, I., Sperling, M.R., Worrell, G.A., Kucewicz, M.T., Davis, K.A., Lucas, T.H., **Inman, C.S.**, …, Rizzuto, D.S., and Kahana, M.J. (2017). Direct brain stimulation modulates encoding states and memory performance in humans. *Current Biology*, 27(9), 1251-1258.

37. Kragel, J.E., Ezzyat, Y., Sperling, M.R., Gorniak, R., Worrell, G.A., Berry, B.M., **Inman, C.S.**, Lin, J-J, Davis, K.A., Das, S.R., Stein, J.M., Jobst, B.J., Zaghloul, K.A., Sheth, S.A., Rizzuto, D.R., Kahana, M.J. (2017). Similar patterns of neural activity predict memory function during encoding and retrieval. *Neuroimage, 155, 60-71.*

38. Bauer, P. J., Pathman, T., **Inman, C.**, Campanella, C., & Hamann, S. (2017). Neural correlates of autobiographical memory retrieval in children and adults. *Memory*, 25(4), 450–466.

39. Reidy, B. L., Hamann, S., **Inman, C.,** Johnson, K. C., & Brennan, P. A. (2016). Decreased sleep duration is associated with increased fMRI responses to emotional faces in children. *Neuropsychologia*, *84*, 54–62.

40. **Inman, C.S.**, James, G.A., Hamann, S., Rajendra, J., Pagnoni, G., Butler, A. (2012). Altered resting-state effective connectivity of fronto-parietal motor control systems on the primary motor network following stroke. NeuroImage, 59, 227-237.

In Preparation

1. Tan, G., Demarest, P., Li, Y., Cho, H., Park, H., Swift, J.R., **Inman, C.S.**, Manns, J.R., Hamann, S.B., Liu, X., Wahlstrom, K.W., Li, Z., Hollearn, M.K., Campbell, J.M., Cettina, P.E., Sivakumar, S.S., Leuthardt, E.C., Willie, J.T., Brunner, P. (Under Review). Mind's eye: widespread saccade-related evoked potentials support visual memory encoding in humans.

2. Li, Y., Tan, G., Li, Z., Swift, J.R., Wahlstrom, K.L., Hollearn, M., Campbell, J.M., Blanpain, L.T., Manns, J.R., Hamann, S.B., **Inman, C.S.**, Wang, S., Brunner, P., Willie, J.T. (In submission). Spike timing and firing rate as complementary mechanisms of memory processing in the human hippocampal–amygdala circuit.

3. Kirwan, C.B., Chipman, S.P., Hollearn, M.K. #, **Inman, C.S.** (In Revision). The Strength of Target Representations Drives Mnemonic Discrimination at Extended Delays. Hippocampus.

4. Hollearn, M.K. #, Tasevac, A. #, Wahlstrom, K.L. #, **Inman, C.S.** (In Revision). Making memories last: Snapping together the building blocks of memories. Frontiers for Young Minds.

5. **Inman, C.S.**, Garcia, L., Topalovic, U., Vallejo Martelo, M., Stangl, M., Davis, T. Hollearn, M. #, Campbell, J#, Augustin, L#, Eliashiv, D., Hasulak, N., Hiller, S., Suthana, N. (In Prep). Lost and found: Theta oscillations change at the moment of wayfinding during real-world navigation in humans.

6. Tasevac, A. #, Garcia, L., Topalovic, U., Vallejo Martelo, M. Stangl, M., Davis, T. Hollearn, M. #, Campbell, J#, Augustin, L#, Eliashiv, D., Hasulak, N., Hiller, S., Suthana, N., **Inman, C.S.** (In Prep). Computer vision representations capture dynamic event structure during first-person real-world navigation. Cognition.

7. Kazemi, A. #, Augustin, L. #, Davis, T., Garcia, L., Topalovic, U., Vallejo Martelo, M. Stangl, M., Josifek, S. ##, Hollearn, M. #, Campbell, J#, Augustin, L#, Eliashiv, D., Hasulak, N., Hiller, S., Suthana, N, **Inman, C.S.** (In Prep). Incidental visual attention and subsequent memory for landmarks during real-world navigation. Nature Human Behavior.

8. Josifek, S. ##, Tasevac, A. #, Olson, K. ##, Hollearn, M. #, Augustin, L. #, Wilson, W. ##, **Inman, C.S.** (In Prep). Agreement and alignment of event segmentation across actors, observers, and experts watching continuous, first-person, real-world navigation videos. Cognition.

9. Hollearn, M.K. #, **Inman, C.S.** (In Prep). In search of memory enhancement using direct brain stimulation in humans: Factors contributing to mixed findings. Neuropsychologia.

CHAPTERS

1. **Inman, C.S.** & Brunner, P. (2023). What are the practical considerations for building a successful intracranial EEG and direct brain stimulation research program? In N. Axmacher (Ed.). *Intracranial EEG for Cognitive Neuroscience* (1st ed., pp. 61-71). Springer.

AWARDS

- Elected Member of the Memory Disorders Research Society (2023)
- Friends of Semel Research Scholar Award, UCLA (2019)
- American Society of Stereotactic and Functional Neurosurgeons Meeting, Best Presentation (2018)
- International Conference on Learning and Memory, NIH Travel Award (2018)
- Blackrock Microsystems, Society for Neuroscience Travel Award (2016)

- Helmsley Charitable Trust, Travel Grant, Cold Spring Harbor Laboratory (2015)
- Emory University, Facility for Education and Research in Neuroscience Pilot Grant, $10,000 (2014)
- Most Outstanding Psychology Student, Georgia State University (2007)
- Brains and Behavior Fellowship, Georgia State University (2006)

PATENTS

Bijanki, K.R., **Inman, C.S.**, Pedersen, N.P., Willie, J.T. (2022). Anxiolysis without sedation: Awake craniotomy facilitated by continuous direct stimulation of cingulum bundle. (US Patent No. 11,241,575 B1). U.S. Patent and Trademark Office. shorturl.at/iFPX8.

TEACHING

University of Utah

- Instructor, Advanced Cognitive Neuroscience, University of Utah (2026)
- Instructor, Neuropsychology, University of Utah (2021,2023)
- Instructor, Brain and Behavior, University of Utah (2021-2026)
- Guest Lecturer, Health, Society, and Policy Capstone, University of Utah (2025)
- Guest Lecturer, Neural Engineering and Neurorobotics, University of Utah (2023)
- Guest Lecturer, Adult Development and Aging, University of Utah (2023)
- Guest Instructor, Biomedical Engineering, Bioelectricity, University of Utah (2021)
- Guest Lecturer, Developmental Cognitive Neuroscience, University of Utah (2021)

Invited Guest Lectures

- Guest Instructor, Neural Data Science, University of California, San Diego (2022)
- Neuromatch Academy Mentor (2020-2023)
- Instructor, Competitive Edge journal club for underrepresented scientists, UCLA (2019-2020)
- Guest Lecturer, Psychological Research Methods, Reinhardt College (2017-2022)
- Guest Lecturer, Human Learning and Memory, Emory University (2017)
- Guest lecturer, Neuroethics, Emory University (2017)
- Instructor, Introduction to Outdoor Recreation, Emory University (2015-2018)
- Instructor, Lifeguarding, Emory University (2012-2018)
- Teaching Assistant, Biomedical Engineering, Georgia Institute of Technology, Core course in Experimental Design (2014)
- Teacher, Brainy Days Elementary School neuroscience program (2012-2013)
- Lecture writer for Emory-Tibet Science Initiative (2011-2014)
- Guest lecturer, Undergraduate course in Cognition, Emory University (2010)
- Teaching Associate, Experimental Methods in Psychology, Emory University (2010)
- Teaching Assistant, Applied Statistics for Psychology, Emory University (2009)

SELECTED INVITED PRESENTATIONS

*Presentation award received

Invited Conference Presentations

2026

- Neurobiology of Learning and Memory, Park City, Utah
- Brain-Behavior Quantification and Synchronization Consortium, MIT, Boston, MA
- Deep Brain Stimulation Think Tank, University of Florida, Gainesville, FL
- Brain Behavior Quantification and Synchronization Forum, Washington, DC

2025

- Cognitive Neuroscience Society, Symposium on "What Can('t) Oscillations Tell us about Cognition?" Boston, MA
- Hippocampus Spring Meeting, Verona, Italy
- Organization for Human Brain Mapping, Brisbane, Australia
- Society for Neuroscience, San Diego, CA
- Brain Behavior Quantification and Synchronization Forum, Washington, DC

2024

- BRAIN Initiative and LabRoots Annual Neuroscience Virtual Event on "Advancing the Understanding of How the Brain Gives Rise to Complex Behavior"
- 5th Interdisciplinary Navigation Symposium (iNAV), Merano, Italy
- Brain meets mHealth: Visioning Workshop on Optimizing Interventions Leveraging Brain, Behavior, and Physiology Interactions in the Natural Field Environment, Salt Lake City, UT
- BCI Society – Chen Institute Joint BCI Meeting, Shanghai, China
- Association of Outdoor Recreation and Education, New Orleans, Louisiana

2023

- Memory Disorders Research Society, Los Angeles, CA
- NSF Neural and Cognitive Systems Investigators Meeting, Bethesda, MD
- BRAIN Initiative Investigators Meeting, Symposium on "Human Neuroscience in the Wild", **Chair**, Bethesda, MD
- Cognitive Neuroscience Society, Symposium on "The Data Science Future of Cognitive Neuroscience", San Francisco, CA
- International Meeting on Learning and Memory meeting, Open Paper presentation, Huntington Beach, CA

2022

- American Epilepsy Society Meeting, Nashville, TN, Ad-Tech Single Unit Symposium, **Planner and Moderator**
- Society for Neuroscience, Human Intracranial Recording: Memory, Cognition, and Emotion Nanosymposium
- American Society for Stereotactic and Functional Neurosurgery, Atlanta, GA
- Neurobiology of Learning and Memory Winter Meeting, Symposium on "Emotion and Memory in the Wild," ***Chair***, Park City, UT

2020

- Neuromatch 2.0, Online Conference

2019

- Neurobiology of Learning and Memory Winter Meeting, Symposium on "How the Amygdala Modulates Memory Consolidation," ***Chair***
- Neural Implants Podcast - Cory Inman explains the possible emotional effects of deep brain stimulation (2019)

2018

- Cognitive Neuroscience Society, Symposium on "Memory Modulation via Direct Brain Stimulation in Humans," ***Chair***
- American Society of Stereotaxic and Functional Neurosurgeons Meeting, Oral Presentation*
- International Conference on Learning and Memory, Huntington Beach, California*
- PhDrinking Podcast – A Stimulating Conversation (2018)

2017

- World Society for Stereotactic and Functional Neurosurgery, Berlin, Germany
- American Association of Neurological Surgeons Annual Scientific Meeting

- Dartmouth Hitchcock Epilepsy Retreat, Mount Snow, Vermont
- Neurobiology of Learning and Memory, Park City, Utah

2016
- North Georgia Regional Annual Memory Meeting
- American Society of Stereotaxic and Functional Neurosurgeons Meeting, Oral Presentation

Invited Departmental Presentations

2026
- Laboratory for Clinical Neuroscience, Center for Biomedical Technology, Universidad Politécnica de Madrid, Madrid, Spain
- Neuroergonomics & Occupational Biomechanics Laboratory, Salt Lake City, UT

2025
- Harvard McLean Hospital and Brain Stimulation Mechanisms Lab (BSML), Boston, MA
- University of Utah, Neurology Department, Grand Rounds, Salt Lake City, UT

2024
- University of Pennsylvania Intracranial Epilepsy Research Group Seminar Series, Philadelphia, PA

2023
- Department of Psychology, Washington University in St. Louis, St. Louis, MO
- Cognitive Science Program Colloquium, University of Arizona, Tucson, AZ
- National Institutes of Health NINDS Functional Neurosurgery Section, Bethesda, MD
- Memory and Perception Lab, HippoCamera Working Group, University of Toronto
- University of Pennsylvania, Philadelphia, PA

2022
- Blackrock Neurotech, Salt Lake City, UT
- University of California, San Diego, Department of Neurology
- University of California, Riverside
- Eastern Carolina University, Department of Engineering

2021
- University College London, Welcomme Center for Human Neuroimaging, Translational Neurophysiology Group
- Voytek Lab, University of California, San Diego
- University of Freiburg, Freiburg Epilepsy Center, Department of Neurosurgery
- University of Utah, Department of Neurobiology
- Neurosciences Seminar Series, University of New Mexico
- Providence College, Department of Psychology
- University of Utah, Department of Health and Kinesiology
- University of Utah, Behavioral Neuroscience Journal Club

2020
- Emotion and Social Cognition Lab, California Institute of Technology
- UCLA Integrative Center for Learning and Memory Journal Club

2019
- McGill University, Montreal Neurological Institute, Cognition and Circuits Seminar
- Stanford University, Department of Neurology and Neurosurgery Seminar
- UCLA, Learning and Behavior Seminar

2018
- University of California, Irvine, Department of Neurology Grand Rounds
- Virginia Tech Carilion Research Institute, Biomedical Research Institute Symposium
- University of Texas, Houston, Department of Neurosurgery Symposium
- University of California, Los Angeles, Department of Neurosurgery Symposium
- Georgia Institute of Technology, Cognition and Brain Science Symposium

2017
- Georgia State University, Psychology Department Symposium
- Emory University Neuroethics Program, Neuroethics and Neuroscience in the News

2016
- Emory University, Psychology Department Annual Symposium
- Emory University School of Medicine, Neurosurgery Grand Rounds

2014
- Computational Memory Seminar, University of Pennsylvania

2013
- Emory University, Psychology Department, 50th Year Anniversary symposium

SERVICE

Department Service
- Faculty member, Neuroscience Major Undergraduate Committee (2026-2027)
- Faculty chair, Advocacy, Community, and Engagement Committee (2025-2026)
- Faculty member, Undergraduate Committee, Department of Psychology, University of Utah (2023)
- Faculty member, Admissions Committee, Neuroscience Program, University of Utah (2021-2022)
- Faculty member, Diversity Committee, Department of Psychology, University of Utah (2021-2022, 2023-2025)
- Faculty member, Graduate Committee, Department of Psychology, University of Utah (2021)

University Service
- University of Utah College of Social Behavioral Sciences Convocation Reader (2025-2026)
- Ad Hoc Reviewer, Utah Clinical and Translational Science Institute, University of Utah (2021-)
- University of Utah Football Recruiting, Student-Athlete Psychology Department Recruitment (2021)

National and International Service
- Vice Chair, Brain-Behavior Quantification and Synchronization Principal Investigator Committee (2026)
- Reviewer, National Institutes of Health, U24, *BRAIN Initiative: Brain Behavior Quantification and Synchronization – Data Coordination and Artificial Intelligence Center* (2023)
- Reviewer, National Science Foundation Integrative Strategies for Understanding Neural and Cognitive Systems (NCS) Panel (2023)
- External Reviewer, NSERC Arthur B. McDonald F140 Award (2024)

Community-Engaged Service
- Pint of Science, Worldwide Science Festival, Salt Lake City, Utah (2026)
- Community outreach, American Heritage School, Lehi, Utah (2025)
- Faculty Advisor, Sunrise of Sandy, Lecture on Neuroscience of Memory, University of Utah (2022-)
- Community outreach, STEM Career Student Interview, Dunwoody Elementary School, GA (2022)
- Community outreach, My path from AP Psychology to Professor, Northview High School, GA (2021)

MENTORSHIP

Training
- Center for the Improvement of Mentored Experiences in Research Training, University of Utah (2025)
- Best practices for working with grad students and postdocs workshop, Office for Faculty (2026)

University of Utah

Postdoctoral Fellows
- Krista Wahlstrom, Ph.D. (Current; Postdoctoral Fellow; R01 Funded; F32, T32 Applicant; Faculty Member at Hartwick College)
- Alireza Kazemi, Ph.D. (Current; Postdoctoral Fellow)

Graduate Students
- Justin Campbell (Current; Neuroscience Program M.D., Ph.D. Mentee; T32 Recipient; F30 Applicant)
- Martina Hollearn (Current; Ph.D. Mentee; NSF GRFP Recipient 2022, Honorable Mention 2021; Nancy Klekas Outstanding Service Award)
- Lensky Augustin (Current; Ph.D. Mentee; NSF GRFP Applicant)
- Aydin Tasevac (Current; Ph.D. Mentee; NSF GRFP Honorable Mention 2025)

Undergraduate Students
- Wyatt Wilson (Awarded the Department's Outstanding Honors Thesis in Psychology)
- Carson Miller (Undergraduate Research Opportunity Program (UROP) Student)
- Griffin Light (Independent study research assistant; UROP Student; Yale Ph.D. Program)
- Sydney Josifek (UROP Student; Honors Thesis; Lab Manager; University of Utah Ph.D. Program)
- Zack Wilson (UROP Student)
- Austin Jensen (UROP Student)
- Kiersten Olson (Research Assistant; Lab Manager)
- Shane Denherder (Research Assistant; Lab Manager; NSF GRFP Recipient 2024; University of Rhode Island Ph.D. Program)
- Lillian MacKinney (Summer Program for Undergraduate Research (SPUR) Student)
- Amanda Holt (Research Assistant; Lab Manager; NSF GRFP Recipient 2026; University of Delaware Ph.D. Program)
- Sarah Elhaddi (Research Assistant)
- Tyler Friedholm (Research Assistant; Computer Engineering)

High School Students
- Grant Gutzwiller (High School Research Assistant)
- Gavin Willis (Sterling Scholars Program; High School Research Assistant)

University of California, Los Angeles (UCLA)
- Jay Gill (M.D., Ph.D. Mentee; NRSA F30 Awardee)
- Sabrina Levy (M.D., Ph.D. Mentee; NRSA F30 Awardee)
- Matthias Stangl (Postdoctoral Fellow; K99/R00 Awardee; Boston University Faculty Member)
- 4 independent study research assistants

Emory University
- Lou Blanpain (M.D., Ph.D. Mentee)
- Charles Ferris, Ph.D. (Ph.D. Mentee)
- I also directly supervised and advised 1 M.A. student, 3 Honors Thesis students, and 10 independent study students.

GRADUATE STUDENT COMMITTEES

*Indicates completed degree

- Martina Hollearn (Psychology Masters*, Ph.D. Chair)*
- Justin Campbell (Neuroscience M.D./Ph.D., Chair)*

- Lensky Augustin (Psychology Masters*, Ph.D. Chair)
- Aydin Tasevac (Psychology Masters*, Ph.D. Chair)
- Amy McConnell (Psychology Ph.D., Member)* - Postdoctoral Fellow at University of Utah
- Holly Gagnon (Psychology Ph.D., Member)* - Postdoctoral Fellow at Vanderbilt University
- Morgan Saxon LaFevers (Psychology Ph.D., Member)* - Human Factors Engineer
- Corey Shaman (Neuroscience M.D./Ph.D., Member)*
- Veronica Zarr (Neuroscience Ph.D., Member; Qualification Exam Chair)
- Miranda Wright (Communication Sciences and Disorders Ph.D., Member)
- Danielle Lopez (Biomedical Engineering Masters, Member)*
- Nathan Johnson (Neuroscience Ph.D., Member)
- Ainsley Temundo (Kinesiology Ph.D., Member)*
- Clara Lopes (Psychology Ph.D., Member)*
- Mark Libowitz (Neuroscience M.D./Ph.D.)
- Alexander Price (Neuroscience Ph.D.; Qualification Exam Chair)*
- Dylan Jensen (Neuroscience Ph.D.)

JOURNAL EDITOR

- **Managing Editor for a Special Issue** on Cognitive Neuroscience with Naturalistic Paradigms, Neuropsychologia
- Special Issue Editor, Frontiers Learning and Memory 2023 – Volume 2 Research Topic
- PLOS Computational Biology (Guest Editor)

AD-HOC REVIEWING

Nature Human Behavior, Neuron, Current Biology, Nature Communications, Nature Neuroscience, Journal of Neuroscience, Trends in Neurosciences, Cell Reports, eLife, Science Advances, Annals of the New York Academy of Sciences, Journal of Cognitive Neuroscience, Cerebral Cortex, Neuroimage, Human Brain Mapping, Journal of Physiology, PLOS Biology, Cortex, Hippocampus, Cognition and Emotion, iScience, Neuroscience and Biobehavioral Reviews, Network Neuroscience, Neurobiology of Learning and Memory, Frontiers in Human Neuroscience, Neuromodulation, Behavior Research Methods, American Journal of Neuroradiology, Psychosomatic Medicine

IN THE NEWS

ImpactStory Summary: https://impactstory.org/u/0000-0003-2928-6252

Science Mag: Brain-scanning backpack brings neuroscience into the real world
IEEE Spectrum: Stimulating the Brain's Emotional Center Enhances Memory
Dana Foundation: Beyond Emotion: Understanding the Amygdala's Role in Memory
Neurocritic: Amygdala Stimulation in the Absence of Emotional Experience Enhances Memory for Neutral Objects
Psychology Today: Electrical Stimulation of the Amygdala Boosts Human Memory
US News: Could an Electric Pulse to the Brain Recharge Your Memory?
Eureka Alerts: Direct amygdala stimulation can enhance human memory
Psych Central: Direct Stimulation of Brain Area May Boost Memory for a Day
IB Times: What is the amygdala? Stimulating the brain with electricity can improve memory

SELECTED CONFERENCE POSTERS

Inman, C.S., Garcia, L., Topalovic, U., Vallejo Martelo, M., Stangl, M., Davis, T., Hollearn, M., Campbell, J., Augustin, L., Wilson, L., Eliashiv, D., Hasulak, N., Hiller, S., Fried, I., Suthana, N. (2024). Low-frequency oscillations in the human temporal lobe change at spatial and cognitive event boundaries during real-world navigation. Poster presented at the Federation for European Neuroscience, Vienna, Austria.

Hollearn, M. K., Blanpain, L., Manns, J. R., Hamann, S. B., Bijanki, K., Gross, R. E., Drane, D., Campbell, J. M., Wahlstrom, K. L., Light, G. F., Willie, J. T., **Inman, C. S.** (2023) Exploring individual differences and stimulation parameters in amygdala-mediated memory modulation. Poster presented at Society for Neuroscience, Washington D.C.

Campbell J.M., Wahlstrom, K.L., Hollearn, M., Davis, T., Arain, A., Swift, J.R., Brunner, P., Shofty, B., Rahimpour, S., Rolston, J.D., Manns, J.R., Willie, J.T., **Inman, C.S.** (2023). Neurophysiological signatures of amygdala-mediated memory enhancement: insights from intracranial recordings and stimulation. Poster presentation at Society for Neuroscience. Washington, D.C.

Campbell J.M., Wahlstrom, K.L., Hollearn, M. Blanpain, L., Davis, T., Swift, J., Adamek, M., Xie, T., Brunner, P., Hamann, S.B., Arain, A., Eisenman, L., Gross, R.E., Rolston, J.D., Rahimpour, S., Manns, J.R., Willie, J.T., **Inman, C.S.** (2023). Closed-loop direct electrical stimulation to optimize amygdala-mediated memory enhancement in humans. Poster presentation at International Conference on Learning and Memory. Huntington Beach, CA.

Wahlstrom, K.L., Campbell, J., Hollearn, M., Swift, J., Adamek, M., Blanpain, L., Xie, T., Brunner, P., Hamann, S., Arian, A., Eisenman, L., Manns, J., Willie, J., **Inman, C.S.** (2023). Direct electrical stimulation of the human amygdala enhances recognition memory for objects and not scenes. Presented at the Society for Neuroscience Conference, Washington, DC.

Augustin, L., Mackinney, L., Garcia, L., Topalovic, U., Martelo, M.V., Stangl, M., Davis, T., Hollearn, M., Campbell, J., Eliashiv, D., Hasulak, N., Hiller, S., Fried, I., Suthana, N., **Inman, C.S.** (2023). Neural correlates of attention and memory for landmarks during real-world navigation. Poster presented at the Society for Neuroscience Conference, Washington D.C.

Wahlstrom, K.L.[#], Campbell, J.[#], Hollearn, M.[#], Swift, J., Adamek, M., Blanpain, L., Xie, T., Brunner, P., Hamann, S., Arian, A., Eisenman, L., Manns, J., Willie, J., **Inman, C.S.** (2023). Direct electrical stimulation of the human amygdala enhances recognition memory for objects and not scenes. Presented at the International Conference on Learning and Memory, Huntington Beach, CA.

Hollearn, M.K.[#], Blanpain, L., Manns, J.R., Hamann, S.B., Bijanki, K., Gross, R.E., Drane, D., Campbell, J.M.[#], Wahlstrom[#], K.L., Willie, J.T.*, **Inman, C.S.*** (2023). Exploring stimulation parameters and individual differences in amygdala-mediated memory modulation. Presented at the International Conference on Learning and Memory, Huntington Beach, CA.

Campbell, J.M., Wahlstrom, K.L., Hollearn, M.K., Blanpain, L., Davis, T., Swift, J., Adamek, M., Xie, T., Brunner, P., Hamann, S.B., Arain, A., Eisenman, L., Gross, R.E., Rolston, J.D., Rahimpour, S., Manns, J.R., Willie, J.T., **Inman, C.S.** (2023). Closed-loop direct electrical stimulation to optimize amygdala-mediated memory enhancement in humans. Presented at the International Conference on Learning and Memory, Huntington Beach, CA.

Hollearn, M. K., Blanpain, L., Manns, J. R., Hamann, S. B., Bijanki, K., Gross, R. E., Drane, D., Campbell, J. M., Wahlstrom, K. L., Willie, J. T., **Inman, C. S.** (2022). Direct Electrical Stimulation of the Human Amygdala Enhances Declarative Memory. Poster presented at the Society for Neuroscience meeting, San Diego, CA.

Hollearn, M. K., **Inman, C.S.** (2023). Responders of direct human amygdala stimulation for memory enhancement. Data Blitz poster at Neurobiology of Learning and Memory Conference, Park City, UT.

Inman, C.S., Garcia, L., Topalovic, U., Vallejo Martelo, M. Stangl, M., Davis, T. Hollearn, M. [#], Campbell, J[#], Augustin, L[#], Eliashiv, D., Hasulak, N., Hiller, S., Suthana, N. Theta oscillations in the human temporal lobe change at event boundaries during real-world navigation. Poster presented at the Cognitive Neuroscience Society Meeting (2023).

Inman, C.S. Towards and understanding of emotion and memory in the wild. Data blitz presented at the 45th Winter Conferences on the Neurobiology of Learning and Memory (2021).

Sendi, M.S.E., Kanta, V., **Inman, C.S.**, Manns, J.R., Hamann, S., Gross, R.E., Willie, J.T., Mahmoudi, B. (2020). Amygdala Stimulation Leads to Functional Network Connectivity State Transitions in the Hippocampus. 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC), 3625-3628. doi: 10.1109/EMBC44109.2020.9176742.

Inman, C.S., Manns, J.R., Bijanki, K.R., Bass, D.I., Gross, R.E., Hamann, S., Willie, J.T. Tuning direct electrical amygdala stimulation parameters for declarative memory enhancement in humans. Poster presented at the annual Society for Neuroscience meeting (2017).

Inman, C.S., Bijanki, K.R., Bass, D.I., Manns, J.R., Gross, R.E., Hamann, S., Willie, J.T. Brief electrical stimulation to the human amygdala enhances recognition memory for neutral images. Poster presented at the annual Society for Neuroscience meeting (2016).

Inman, C.S., Jutras, M.J., Willie, J.T., Jobst, B.C., Sperling, M.R., Sharan, A.D., Lucas, T.H., Davis, K.A., Rizzuto, D.S., Gross, R.E. Frequency-specific network connectivity during encoding predicts subsequent free recall. Poster presented at the annual Society for Neuroscience meeting (2015).

Inman, C.S., Willie, J.T., Bass, D., Gross, R.E., Hamann, S. Changes in autonomic arousal elicited by human amygdala stimulation are parameter-dependent. Poster presented at the annual Society for Neuroscience meeting (2015).

Inman, C.S., James, G.A., Watts, K., Hamann, S. Large-scale functional network organization dynamically changes across autobiographical memory retrieval processes. Poster presented at the annual Cognitive Neuroscience Society meeting (2015).

Inman, C.S., Riva Posse, P., Choi, K., Crowell, A., Danielson, S., Garlow, S., Mayberg, H., Hamann, S. Changes in autonomic arousal elicited by subcallosal cingulate DBS are associated with white matter connectivity to the mid-cingulate cortex. Poster presented at the annual Society for Neuroscience meeting (2014).

Inman, C.S., James, G.A., Campanella, C., Pathman, T., Fivush, R., Bauer, P., Hamann, S. Dynamic neural connectivity of autobiographical memory processes. Poster presented at the annual Cognitive Neuroscience Society meeting (2013).

Inman, C.S. & Hamann, S. Eye movements and pupil dilation predict interactions of valence and memory. Poster presented at the annual Cognitive Neuroscience Society meeting (2012).

Inman, C.S. & Hamann, S. Experience-related eye movements reflect declarative memory for emotional and neutral pictures. Poster presented at the annual Cognitive Neuroscience Society meeting (2011).

Inman, C.S., James, G.A., Hamann, S., Rajendra, J., Pagnoni, G., Butler, A. Exploratory SEM reveals altered resting-state motor control network connectivity following stroke. Poster presented at the 16th annual Organization for Human Brain Mapping meeting (2010).

Inman, C.S., James, G.A., Hamann, S., Rajendra, J., Pagnoni, G., Butler, A. Altered resting-state effective connectivity of fronto-parietal motor control systems on the primary motor network following stroke. Poster presented at the annual Cognitive Neuroscience Society meeting (2010).

Inman, C., Mumaw, M., & King, T. Emotional awareness and psychophysiological markers of performance on the Iowa Gambling Task. Poster presented at the annual meeting of the Association for Psychological Sciences (2007).

PROFESSIONAL TRAINING

- University of Utah, Learning Abroad Faculty Fellows Program Workshop (2026)
- Blackrock Microsystems Hands-On Electrophysiology Workshop (2019)
- Data Science for Neuroscientists, Society for Neuroscience, San Diego, CA (2016)
- Responsible Conduct of Research Ethics Course (2016)
- Neural Data Science Course, Cold Spring Harbor, Lloyd Harbor, New York (2015)

PROFESSIONAL SOCIETY MEMBERSHIPS

- Society for Neuroscience
- Cognitive Neuroscience Society
- Organization for Human Brain Mapping
- Federation of European Neuroscientists