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Education

University of New Mexico, Albuquerque, NM
Ph.D., Psychology, 2011, with distinction
Major: Cognition, Brain, & Behavior; Quantitative emphasis

University of New Mexico, Albuquerque, NM
M.S., Psychology, 2006, with distinction

Ball State University, Muncie, IN
M.A., Psychological Science, 1999

Grace College, Winona Lake, IN
B.A., Psychology, 1995

Awards and honors

- 2011 Letter of Academic Title, Department of Psychology, University of New Mexico, Albuquerque, NM
- 2011 Passed with distinction, Doctoral Dissertation, University of New Mexico, Albuquerque NM
- 2011 Student Merit Award, Research Society on Alcoholism
- 2010 Student Merit Award, Research Society on Alcoholism
- 2009 Student Merit Award, Research Society on Alcoholism
- 2009 Student Mentorship Award Nominee, University of New Mexico, Albuquerque, NM
- 2007 Passed with distinction, Comprehensive Exam, University of New Mexico, Albuquerque, NM
- 2006 Passed with distinction, Masters Thesis, University of New Mexico, Albuquerque, NM

Positions

- 2013-present Assistant Professor (Research), University of New Mexico, Department of Psychology, Center on Alcoholism, Substance Abuse, and Addictions, Albuquerque, NM.

- 2013-present Assistant Professor of Translational Neuroscience, Mind Research Network, Albuquerque, NM
- 2009-2013 Postdoctoral Fellow, Mind Research Network, Albuquerque, NM
- 2011-2013 Postdoctoral Fellow, University of New Mexico, Department of Psychology, Center on Alcoholism, Substance Abuse, and Addictions, Albuquerque, NM.

Specialized coursework

Mind Research Network fMRI Course, June 2009

Instructors: Kent Kiehl, Vince Calhoun, & Tor Wager

Workshop content included experimental design, image acquisition, introductory MR physics, optimized image processing, statistical analyses (SPM5/8 with General Linear Model and Statistical Nonparametric Mapping (SnPM)) and Independent Component Analyses of functional magnetic resonance imaging (fMRI) data.

Elekta Neuromag System Start Training, May 2009

Instructors: Veikko Jousmäki, Matti Kajola, & Jukka Knuutila

Course content included lectures from leading experts, workflow observation and hands-on sessions for spontaneous and various evoked responses.

SSI, Inc. HLM Workshop, May 2008

Instructors: Steve Raudenbush & Tony Bryk

Addressed the principles and assumptions of hierarchical linear analysis, applications to a wide variety of practical problems, and the interpretation and reporting of results.

Grant support (current)

NIAAA K01 AA021431

07/15/2013-06/30/2018

PI: Jon M. Houck

University of New Mexico
Albuquerque, NM

“Imaging Brain Activity in Substance Use Treatment:

The goal of this effort is to provide protected time and career development resources to Dr. Houck in the areas of alcohol use endophenotypes, analysis of magnetoencephalography (MEG) data, and longitudinal data analysis, and to develop further skills in scientific and grant writing, with the overarching goal of launching Dr. Houck into a career as an independent investigator.

NIDA R03 DA035690

03/01/2013-02/28/2015

PI: Jon M. Houck

University of New Mexico
Albuquerque, NM

“The effects of change talk on risky sexual behavior “

The goal of this study is to apply the Motivational Interviewing Skills Code (v. 2.5) speech coding system to an existing sample of audiorecorded psychotherapy

interventions to test whether client change talk in motivational interviewing predicts sexual risk behaviors in a sample of justice-involved youth.

CASAA Pilot Grant 1/8/2013-12/31/2013

PI: Sarah W. Feldstein Ewing

Center on Alcoholism, Substance Abuse, and Addictions

University of New Mexico, Albuquerque, NM

“Re-evaluating Therapeutic Language in Motivational Interviewing”

Role: Co-Investigator

The goal of this study is to explore how therapist speech modulates client brain activity in a widely-disseminated psychosocial intervention for adolescent alcohol abuse, motivational interviewing.

NIH (NIDA) Clinical Loan Repayment Program L30 DA034353 7/1/2012-6/30/2014

PI: Jon M. Houck

“Imaging brain activity related to substance abuse and its treatment”

The goal of this effort is to examine links between neuroimaging and substance abuse treatment, with a focus on mechanisms of behavior change.

NIAAA R21 AA020546 5/23/2012-10/31/2014

PI: Elizabeth D’Amico

RAND Corporation

Santa Monica, CA

“Change talk in a group setting with at-risk adolescents”

Role: Co-investigator

The goal of this study is to adapt the Sequential Code for Observing Process Exchanges (SCOPE) coding system for use in an adolescent and other drug use group treatment setting.

Grant support (past)

NIDA R21DA025135 6/1/2009-5/31/2012

PI: Claudia D. Tesche, Ph.D.

Center on Alcoholism, Substance Abuse, and Addictions

University of New Mexico, Albuquerque, NM

Role: Co-investigator

“The neuroscience of motivational interviewing change talk”

The goal of this study was to test a theoretically-derived mechanism of action in an empirically supported treatment for substance abuse.

Refereed publications

Feldstein Ewing, S. W., **Houck, J. M.**, Truitt, D., & McEachern, A. D. (2013). The role of impulsivity, anger, verbal ability, and abstract reasoning in emerging adults' treatment outcomes. *Journal of Addiction and Prevention*.

<http://fulltextarticles.avensonline.org/JAP-2330-2178-01-0005.htm>

Houck, J.M., Bryan, A.D., & Feldstein Ewing, S.W. (2013). Functional connectivity and cannabis use in high-risk adolescents. *American Journal of Drug and Alcohol Abuse*, 39(6), 414-423. doi: 10.3109/00952990.2013.837914.

Houck, J.M., Moyers, T.B., & Tesche, C.D. (2013). Through a glass darkly: Some insights on change talk via magnetoencephalography. *Psychology of Addictive Behaviors*, 27(2), 489-500. doi: 10.1037/a0029896

Houck, J.M., Forcehimes, A.A., Gutierrez, E.T., & Bogenschutz, M.P. (2013). Test-retest reliability of self-report measures in a dually diagnosed sample. *Substance Use & Misuse*, 48(1-2), 99-105. doi: 10.3109/10826084.2012.731674

Hanlon, F.M., **Houck, J.M.**, Kilmaj, S.D., Caprihan, A., Mayer, A.R., Weisend, M.P., Bustillo, J.R., Hamilton, D.A., & Tesche, C.D. (2012). Fronto-temporal Anatomical Connectivity and Working-Relational Memory Performance Predict Everyday Functioning in Schizophrenia. *Psychophysiology*, 49(10), 1340-1352. doi: 10.1111/j.1469-8986.2012.01448.x

Glynn, L.H., Hallgren, K.A., **Houck, J.M.**, & Moyers, T.B. (2012). CACTI: Free, Open-Source Software for the Sequential Coding of Behavioral Interactions. *PLoS ONE*, 7, e39740. doi: 10.1371/journal.pone.0039740

Manuel, J.K., **Houck, J.M.**, & Moyers, T.B. (2012). The impact of significant others in motivational enhancement therapy: Results from Project MATCH. *Behavioural and Cognitive Psychotherapy*, 40, 297-312. doi: 10.1017/S1352465811000592

Forcehimes, A.A., Venner, K.L., Bogenschutz, M.P., Foley, K., Davis, M.P., **Houck, J.M.**, Willie, E.L., & Begaye, P. (2011). Community and clinical perspectives on methamphetamine and other drug use in American Indian communities in the American Southwest. *Cultural Diversity and Ethnic Minority Psychology*, 17(4), 366-376. doi: 10.1037/a0025431

Hanlon, F.M., **Houck, J.M.**, Pyeatt, C.J., Lundy, S. L., Euler, M.J., Weisend, M.P., Thoma, R.J., Bustillo, J.R., Miller, G.A., & Tesche, C.D. (2011). Bilateral Hippocampal Function in Schizophrenia. *NeuroImage*, 58(4), 1158-1168. doi: 10.1016/j.neuroimage.2011.06.091

- Martin, T., Christopher, P.J., **Houck, J.M.**, & Moyers, T.B. (2011). The structure of client language and drinking outcomes in Project MATCH. *Psychology of Addictive Behaviors*, 25(3), 439-445. doi: 10.1037/a0023129
- Moyers, T. B., & **Houck, J. M.** (2011). Combining motivational interviewing with cognitive-behavioral treatments for substance abuse: Lessons from the COMBINE research project. *Cognitive and Behavioral Practice*, 18(1), 38-45. doi: 10.1016/j.cbpra.2009.09.005
- Foley, K., Pallas, D., Forcehimes, A.A., **Houck, J.M.**, Bogenschutz, M.P., Keyser-Marcus, L., & Svikis, D. (2010). Effect of job skills training on employment and job seeking behaviors in an American Indian substance abuse treatment sample. *Journal of Vocational Rehabilitation*, 33, 181-192. doi: 10.3233/JVR-2010-0526
- Vader, A.M., Walters, S.T., Prabhu, G.C., **Houck, J.M.**, Field, C.A. (2010). The language of motivational interviewing and feedback: Counselor language, client language, and client drinking outcomes. *Psychology of Addictive Behaviors*, 24(2), 190-197. doi: 10.1037/a0018749
- Moyers, T.B., Martin, T., **Houck, J. M.**, Christopher, P.J., & Tonigan, J.S. (2009). From in-session behaviors to drinking outcomes: A causal chain for motivational interviewing. *Journal of Consulting and Clinical Psychology*, 77(6), 1113-1124. doi: 10.1037/a0017189
- Martin, T., **Houck, J.M.**, Kičić, D., & Tesche, C.D. (2008). Interval timers and coupled oscillators both mediate the effect of temporally structured cueing. *NeuroImage*, 40(4), 1798-1806. doi: 10.1016/j.neuroimage.2008.01.024
- Houck, J.M.**, Martin, T., Pearson Bish, J., Moses, S.N., Woodruff, C.C., Kičić, D., & Tesche, C.D. (2007). Early cerebellar activation predicts choice reaction time. *International Congress Series*, 1300, 413-416.
- Martin, T., McDaniel, M.A., Guynn, M.J., **Houck, J.M.**, Woodruff, C.C., Pearson Bish, J., Moses, S.N., Kičić, D., & Tesche, C.D. (2007). Brain Regions and Their Dynamics in Prospective Memory Retrieval: A MEG Study. *International Journal of Psychophysiology*, 64(3), 247-258.
- Moyers, T.B., Martin, T., Christopher, P.J., **Houck, J.M.**, Tonigan, J.S., & Amrhein, P.C. (2007). Client language as a mediator of motivational interviewing efficacy: Where is the evidence? *Alcoholism: Clinical and Experimental Research*, 31(S3), 1-8.
- Moses, S.N., **Houck, J.M.**, Martin, T., Hanlon, F.M., Ryan, J. D., Thoma, R.J., Weisend, M.P., Jackson, E.M., Pekkonen, E., & Tesche, C.D. (2007). Dynamic neural activity recorded from human amygdala during fear conditioning using magnetoencephalography. *Brain Research Bulletin*, 71, 452-460.

- Tesche, C.D., Moses, S.N., **Houck, J.M.**, Martin, T., Hanlon, F.M., Jackson, E.M., & Kičić, D. (2007). Dynamics of frontal and cerebellar activation during aversive conditioning: A MEG study. *International Congress Series, 1300*, 437-440.
- Martin, T., **Houck, J. M.**, Pearson Bish, J., Kičić, D., Woodruff, C. C., Moses, S. N., Lee, D.C., & Tesche, C.D. (2006). MEG reveals different contributions of somatomotor cortex and cerebellum to simple reaction time after temporally structured cues. *Human Brain Mapping, 27*, 552-561.
- Martin, T., Egly, R., **Houck, J.M.**, Pearson-Bish, J., Barrera, B., Lee, D., & Tesche, C. (2005). Chronometric Evidence for Entrained Attention. *Perception & Psychophysics, 67*, 168-184.
- Moses, S. N., Martin, T., **Houck, J. M.**, Ilmoniemi, R. J., & Tesche, C. D. (2005). The C50m response: Conditioned magnetocerebral activity recorded from the human brain. *NeuroImage, 27*(4), 778-788.
- Pearson-Bish, J., Martin, T., **Houck, J.**, Ilmoniemi, R.J., & Tesche, C. (2004). Phase shift detection in thalamocortical oscillations using magnetoencephalography in humans. *Neuroscience Letters, 362*(1), 48-52.
- Bish, J.P., Martin, T., **Houck, J.**, Ilmoniemi, R.J., & Tesche, C.D. (2002). Phase shifts in thalamo-cortical oscillations in response to 40-Hz tones. In H. Nowak, J. Haueisen, F. Geisler, & R. Huonker (Eds.), *Proceedings of the 13th International Conference on Biomagnetism*. Berlin: Verlag.
- Houck, J.**, Bish, J.P., Martin, T., Ilmoniemi, R.J., & Tesche, C.D. (2002). Cerebellar processing in a mental rotation task. In H. Nowak, J. Haueisen, F. Geisler, & R. Huonker (Eds.), *Proceedings of the 13th International Conference on Biomagnetism*. Berlin: Verlag.
- Martin, T., Bish, J.P., **Houck, J.**, Ilmoniemi, R.J., & Tesche, C.D. (2002). Entrainment decreases peak amplitude, but increases autocorrelation, in the auditory evoked response to target tones. In H. Nowak, J. Haueisen, F. Geisler, & R. Huonker (Eds.), *Proceedings of the 13th International Conference on Biomagnetism*. Berlin, Verlag.

Book chapters

- Feldstein Ewing, S. W., & **Houck, J. M.** (in press). The neurocognitive mechanisms underlying psychosocial interventions for addiction: Motivational interviewing as a case study. In S. Wilson (Ed.), *The Wiley-Blackwell Handbook on the Neuroscience of Addiction*.

Unpublished manuscripts

Houck, J. M., Moyers, T. B., Miller, W. R., Glynn, L. H., & Hallgren, K. A. (2010). Motivational Interviewing Skill Code Coding Manual (version 2.5). Unpublished manuscript, University of New Mexico. Available from <http://casaa.unm.edu/download/misc25.pdf>

Martin, T., Moyers, T. B., **Houck, J. M.**, Christopher, P. J., & Miller, W. R. (2005). Motivational Interviewing Sequential Code for Observing Process Exchanges (MI-SCOPE) Coder's Manual. Available from <http://casaa.unm.edu/download/scope.pdf>.

Published abstracts

D'Amico, E.J., **Houck, J.M.**, Miles, J.N.V., Hunter, S.B., Osilla, K.C., & Ewing, B.A. (2013). What happens during group and does it matter? An analysis of change talk of at-risk adolescents in a teen court setting. [Abstract] *Alcoholism: Clinical and Experimental Research*, 37(S2), 276A. doi: 10.1111/acer.12163

Feldstein Ewing, S.W., **Houck, J.M.**, Ernst, D.B., & Chavez, T. (2013). How culture influences therapeutic interactions: An examination with alcohol-abusing adolescents. [Abstract] *Alcoholism: Clinical and Experimental Research*, 37(S2), 276A. doi: 10.1111/acer.12163

Glynn, L.H., **Houck, J.M.**, Moyers, T.B., & Bryan, A.D. (2013). Does change talk predict outcomes for groups? A pilot study linking group-level client speech to safer-sex behaviors in alcohol-using adolescents. [Abstract] *Alcoholism: Clinical and Experimental Research*, 37(S2), 276A. doi: 10.1111/acer.12163

Houck, J.M., & Moyers, T.B. (2013). To parse or not to parse: A necessary step in sequential coding alcohol treatment sessions? [Abstract] *Alcoholism: Clinical and Experimental Research*, 37(S2), 143A. doi: 10.1111/acer.12162

Houck, J.M., Tesche, C.D., & Moyers, T.B. (2013). Mind over (white) matter: A relationship between client change talk and white matter integrity? [Abstract] *Alcoholism: Clinical and Experimental Research*, 37(S2), 143A. doi: 10.1111/acer.12162

Garcia, C.M., Kodituwakku, P.W., **Houck, J.M.**, & Tesche, C.D. (2012). Latency delay present at V1 during a visuomotor task in adolescents with fetal alcohol spectrum disorder (FASD). [Abstract] Program no. 469.05. *2012 Neuroscience Meeting Planner*. New Orleans, LA: Society for Neuroscience, 2012. Online.

Houck, J.M., Tesche, C.D., & Moyers, T.B. (2012). A new approach to coding speech in motivational interviewing. [Abstract] *Alcoholism: Clinical and Experimental Research*, 36(S1), 233.

- Houck, J.M.**, Moyers, T.B., Glynn, L.H., & Manuel, J.K. (2012). Windows of opportunity: Sequential analysis of client-clinician interaction using time windows. [Abstract] *Alcoholism: Clinical and Experimental Research*, 36(S1), 234
- Tesche, C.D., Kodituwakku, P.W., Garcia, C.M., & **Houck, J.M.** (2012). Brain dynamics of adolescents with FASD. [Abstract] *Alcoholism: Clinical and Experimental Research*, 36(S1), 1068
- Glynn, L.H., Halgren, K., **Houck, J.M.**, McLouth, C., Fischer, D., & Moyers, T.B. (2011). Introducing the CACTI sequential-coding software: A free, open-source program for rating client and provider speech. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 35(S1), 763.
- Moyers, T.B., **Houck, J.M.**, Glynn, L.H., & Manuel, J.K. (2011). Can specialized training teach clinicians to recognize, reinforce, and elicit client language in motivational interviewing? [Abstract]. *Alcoholism: Clinical and Experimental Research*, 35(S1), 296.
- Hanlon, F.M., **Houck, J.M.**, Mayer, A.R., Ling, J., Zaleski, R.S., Klimaj, S.D., & Tesche, C.D. (2010). A test of the front-temporal dysconnection hypothesis in schizophrenia: Prefrontal-hippocampal coherence during transverse patterning performance. [Abstract] Program No. 264.12. *2010 Neuroscience Meeting Planner*. San Diego, CA: Society for Neuroscience. Online.
- Houck, J.M.**, & Moyers, T.B. (2010). Exploring empathy in a sample of substance abuse therapists (2010). [Abstract]. *Alcoholism: Clinical and Experimental Research*, 34(S2), 232.
- Houck, J. M.**, Moyers, T. B., & Tesche, C.D. (2010). Neural responses to self-perceptual speech during psychotherapy sessions. [Abstract] Program No. 272.1. *2010 Neuroscience Meeting Planner*. San Diego, CA: Society for Neuroscience. Online.
- Houck, J. M.**, Moyers, T. B., & Tesche, C.D. (2010). Oscillatory brain activity related to client speech during motivational interviewing sessions [Abstract]. *Alcoholism: Clinical and Experimental Research*, 34(S2), 643.
- Klimaj, S.D., **Houck, J. M.**, Zaleski, R.S., Mayer, A.R., Tesche, C.D., Hanlon, F.M. (2010). Relationship between fronto-temporal anatomical connectivity and prefrontal-hippocampal functioning in schizophrenia. [Abstract] Program No. 264.16. *2010 Neuroscience Meeting Planner*. San Diego, CA: Society for Neuroscience. Online.
- Glynn, L. H., Manuel, J. K., **Houck, J. M.**, & Moyers, T. B. (2009). Does therapist empathy matter? [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 754.

- Glynn, L. H., Stewart, C. M., Deakyne, A. H., **Houck, J. M.**, & Moyers, T. B. (2009). Ask and you will receive: Eliciting client change talk. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 407.
- Hallgren, K. A., **Houck, J. M.**, De La Torre, J., & Moyers, T. B. (2009). Predicting readiness to change through analysis of client change language. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 750.
- Houck, J. M.**, Manuel J. K., Pyeatt, C. J., Moyers, T. B., & Montoya, V. L. (2009). A new scale to assess barriers to adopting motivational interviewing. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 506.
- Houck, J. M.**, Moyers, T. B., Martin, T., & Christopher, P. C. (2009). Patterns of client speech across deciles predict treatment outcome. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 751.
- Moyers, T. B., Manuel, J. K., Henderson, S. M., **Houck, J. M.**, & Miller, W. R. (2009). Therapeutic processes in the Combined Behavioral Intervention. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 752.
- Moyers, T.B., Manuel, J.K., **Houck, J.M.**, Glynn, L. H., Pena-Esparza, Y., & Hallgren, K.A. (2009). Can clinicians be trained to evoke and reinforce client change talk in MI sessions? And if so, why should they bother? [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 105.
- Peña-Esparza, Y., Stannus, R., **Houck, J.**, Manuel, J.K., and Moyers, T.B. (2009). The impact of MI coaching on MI skills. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 508.
- Vader, A. M., Walters, S. T., Chenenda, G., & **Houck, J. M.** (2009). The language of motivational interviewing and feedback: Client language and drinking outcomes among heavy drinking college students. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 33(S1), 157.
- Houck, J.M.**, Martin, T., Kičić, D., & Tesche, C. D. (2008). Coherent activity in the mirror neuron system during a 3D mental rotation task [Abstract]. Program No. 42.24. *2008 Abstract Viewer and Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Manuel, J.K., **Houck, J.M.**, & Moyers, T.B. (2008). The impact of significant others on client drinking outcomes in motivational enhancement therapy [Abstract]. *Alcoholism: Clinical and Experimental Research*, 32(S1), 960.
- Moyers, T.B., **Houck, J.M.**, Longabaugh, R., Miller, W.R., & Arciniega, L.T. (2007). Impact of CBI process variables on drinking outcomes in Project COMBINE [Abstract]. *Alcoholism: Clinical and Experimental Research*, 31(S2), 147.

- Martin, T., **Houck, J.M.**, Lee, D.C., Barrera, B.D., Moses, S.N., Kicic, D., & Tesche, C.D. (2004). Activity in cerebellum and motor cortex predict reaction time to temporally cued targets [Abstract]. *2004 Abstract Viewer and Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Moses, S.N., Martin, T., **Houck, J.M.**, Hanlon, F.M., & Tesche, C.D. (2004). Formation of coherent oscillatory neural networks involving human amygdala during aversive classical conditioning [Abstract]. *2004 Abstract Viewer and Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Tesche, C.D., Martin, T., & **Houck, J.M.** (2004). Using memory of temporal patterns to execute anticipatory movement: A MEG coherence study [Abstract]. *Psychophysiology*, *41*(S1), 035.
- Moses, S.N., Martin, T., **Houck, J.M.**, Ilmoniemi, R., & Tessa, C.D. (2003). Conditioned differential auditory cortex activity measured using magnetoencephalography (MEG) [Abstract]. Program No. 400.22. *2003 Abstract Viewer and Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Tesche, C. D., & **Houck, J.** (2002). Performance of a spatial working memory task evokes cerebellar neuronal population responses to visually presented cues and feedback in normal human subjects: a MEG study [Abstract]. Program No. 416.5. *2002 Abstract Viewer and Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Woodruff, C., Martin, T., **Houck, J.**, Jackson, E., Ilmoniemi, R.J., & Tesche, C. (2002) Prefrontal, inferior temporal and cerebellar sources in object-and space-based attention tasks [Abstract]. *Brain Topography*, *15*(3), 205.

Conference presentations

- D'Amico, E.J., & **Houck, J.M.** (2013, June). *Facilitator Behavior and Change Talk: How They Affect Individual and Group Outcomes*. Symposium conducted at the 36th Annual Meeting of the Research Society on Alcoholism, Orlando, FL.
- Houck, J.M.**, Bryan, A.D., & Feldstein Ewing, S.W. (2013, June). *Intrinsic connectivity networks and sexual risk behavior among high-risk adolescents*. Poster session presented at the 19th Annual Meeting of the Organization for Human Brain Mapping, Seattle, WA.
- Turner, J., Wilhelmi, C., Bigelow, R., Bustillo, J., **Houck, J.**, Calhoun, V., & Thoma, R. (2013, June). *Brain networks underlying active hallucinations during fMRI in schizophrenia*. Poster session presented at the 19th Annual Meeting of the Organization for Human Brain Mapping, Seattle, WA.

- Houck, J.M.**, & Feldstein Ewing, S. W. (2012, August). *Neuroimaging and Psychotherapy Mechanisms of Change for Adolescent Addictive Behaviors*. Symposium presented at the 35 annual meeting of the American Psychological Association, Atlanta, GA.
- Houck, J.M.**, & Feldstein Ewing, S. W. (2012, June). *Genetic factors and brain-based response to cannabis treatment: An investigation with high-risk adolescents*. Symposium presented at the 74th Annual Meeting of the College on Problems of Drug Dependence, Palm Springs, CA.
- Houck, J.M.**, & Feldstein Ewing, S. W. (2012, June). *Is it the words or the origin? Change language in young drinkers' brains*. Symposium presented at the 35th Annual Meeting of the Research Society on Alcoholism, San Francisco, CA.
- Houck, J.M.**, Tesche, C.D., & Moyers, T.B. (2012, August). *What you say is what you are: Theta power differences during perception of speech from substance abuse treatment sessions*. Poster session presented at the 18th International Conference on Biomagnetism, Paris, France.
- Tesche, C.D., Garcia, C.M., Koditwakku, P., & **Houck, J.M.** (2012, August). *MEG characterization of aversive trace conditioning in FASD*. Poster session presented at the 18th International Conference on Biomagnetism, Paris, France.
- Tesche, C.D., Garcia, C.M., Koditwakku, P., & **Houck, J.M.** (2012, August). *Abnormal Auditory Evoked Responses to Standard and Novel Stimuli in Adolescents with Fetal Alcohol Spectrum Disorder (FASD): A Magnetoencephalographic (MEG) Study*. Poster session presented at the 18th International Conference on Biomagnetism, Paris, France.
- Calhoun, V., Mayer, A., Stephen, J., Hanlon, F., **Houck, J.**, Jung, R., & Bizzozero, N. (2011, April). *A Network Approach to Multimodal Imaging and Genetics in Schizophrenia: Strategies, Challenges, and Findings*. Workshop presented at the 13th International Congress on Schizophrenia Research, Boulder, CO.
- Bogenschutz, M.P., Forcehimes, A.A., **Houck, J.M.**, Mondragon, A., Davis, M.P., Reid, A., Foley, K. (2010, June). *Perceptions of methamphetamine/drug use among agency personnel in Southwest Native American communities*. Poster session presented at the 72nd Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- Forcehimes, A.A., **Houck, J.**, Davis, M.P., Bogenschutz, M.P., Anderson, C.L. & Anderson, R. (2010, February). *Attendee evaluation of empirically validated treatment workshops*. Poster session presented at the 12th International Conference on the Treatment of Addictive Behaviors, Santa Fe, NM.

- Houck, J.M.**, Daw, R., Davis, M.P., Forcehimes, A.A., Bogenschutz, M.P., Perl, H.I. (2010, June). *Methamphetamine and other drug use in Native American communities*. Poster session presented at the 72nd Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- Houck, J.M.**, Moyers, T.B., & Tesche, C.D. (2010, February). *The neural substrate of change talk in motivational interviewing: A first look*. Poster session presented at the 12th International Conference on the Treatment of Addictive Behaviors, Santa Fe, NM.
- Houck, J.M.**, Moyers, T.B., & Tesche, C.D. (2010, March). *The neural substrate of self-perception in psychotherapy: A first look*. Poster session presented at the 17th International Conference on Biomagnetism, Dubrovnik, Croatia.
- Bouldin, L., Christopher, P., **Houck, J.M.**, & Smith, B.W. (2009, March). *Tripartite Scoring of the Hospital Anxiety and Depression Scale (HADS) Improves Prediction of Cardiac Rehabilitation Outcomes*. Poster session presented at the 29th Annual Conference of the Anxiety Disorders Association of America, Bernalillo, NM
- Forcehimes, A.A., **Houck, J.M.**, Bogenschutz, M.P., Svikis, D., & Foley, K. (2009, June). *Predictors of Job Seeking Behaviors*. Poster session presented at the 71st Annual Meeting of the College on Problems of Drug Dependence, Reno, NV.
- Foley, K., Pallas, D., Bogenschutz, M.P., Forcehimes, A.A., Svikis, D., & **Houck, J.M.** (2008, June). *Treatment history and job seeking behaviors among Native Americans*. Poster session presented at the 70th Annual Meeting of the College on Problems of Drug Dependence, San Juan, Puerto Rico.
- Gutierrez, E.T., Forcehimes, A., Bogenschutz, M.P., & **Houck, J.M.** (2008, November). *Test-Retest Reliability of Twelve-Step Self-Report Measures in a Dually Diagnosed Sample*. Poster session presented at the 7th Annual Biomedical Research Conference for Minority Students, Orlando, FL.
- Houck, J.M.**, & Moyers, T.B. (2008, June). *What you do matters: Therapist influence on client behavior during motivational interviewing sessions*. Poster session presented at the International Addiction Summit, Melbourne, Australia.
- Manuel, J.K., **Houck, J.M.**, & Moyers, T.B. (2008). *The impact of significant others in motivational enhancement therapy*. Symposium presented at the Motivational Interviewing Network of Trainers, Albuquerque, NM.
- Walters, S.T., Vader, A.M., & **Houck, J.M.** (2008). *The language of motivational interviewing*. Symposium presented at the Motivational Interviewing Network of Trainers, Albuquerque, NM.

- Houck, J.M.**, Martin, T., Pearson Bish, J., Moses, S.N., Woodruff, C.C., Kičić, D., & Tesche, C.D. (2006, October). *Early cerebellar activation predicts choice reaction time: A magnetoencephalographic study*. Poster session presented at the 15th International Conference on Biomagnetism, Vancouver, Canada.
- Jackson, E.M., **Houck, J.M.**, Martin, T., Moses, S.N., Kičić, D., & Tesche, C.D. (2006, October) *Cerebellar Activation During Encoding for Object and Spatial Working Memory Tasks*. Poster session presented at the 15th International Conference on Biomagnetism, Vancouver, Canada.
- Tesche, C., Martin, T., McDaniel, M., Guynn, M., **Houck, J.M.**, Woodruff, C.C., Pearson Bish, J., Moses, S.N., & Kičić, D. (2006, October). *A comparative MEG study of parietal, frontal and hippocampal activation during prospective and retrospective memory*. Poster session presented at the 15th International Conference on Biomagnetism, Vancouver, Canada.
- Moses, S.N., Martin, T., **Houck, J.M.**, Hanlon, F.M., Pekkonen, E., & Tesche, C.D. (2005, June). *Dynamic human neural activity measured during delay and trace fear conditioning with magnetoencephalography*. Paper presented at the 11th Annual Meeting of the Organization for Human Brain Mapping, Toronto, Canada.
- Tesche, C.D., Moses, S.N., **Houck, J.M.**, & Pekkonen, E. (2005, June). *Characterization of coherent activation of parietal cortex and cerebellum during performance of a working memory task*. Paper presented at the 11th Annual Meeting of the Organization for Human Brain Mapping, Toronto, Canada.
- Jackson, E.M., **Houck, J.M.**, Moses, S.N., Ilmoniemi, R.J., & Tesche, C.D. (2004, April). *Distinct Cerebellar Networks for Object and Spatial Working Memory— an MEG Study*. Poster session presented at the 11th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Moses, S.N., **Houck, J.M.**, Martin, T., Hanlon, F.M., Thoma, R.J., Weisend, M.P., Jackson, E., Ilmoniemi, R., Tesche, C.D. (2004, April). *Dissociation of human amygdala and hippocampus during aversive classical conditioning measured with magnetoencephalography*. Poster session presented at the 11th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Tesche, C.D., Martin, T., **Houck, J.M.**, & Ilmoniemi, R.J. (2004, April). *Coherent oscillatory activity in motor cortex and cerebellum reflects learning to entrain movement to visual cues*. Poster session presented at the 11th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Woodruff, C.C., Martin, T., **Houck, J.**, Jackson, E., Ilmoniemi, R.J., & Tesche, C. (2004, April). *Object- and space-based attention differentially influence the contingent magnetic variation in frontal, occipital and parietal regions*. Poster session presented

at the 11th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Bish, J.P., Martin, T., **Houck, J.**, Ilmoneimi, R.J., & Tesche, C.D. (2002, August). *Phase shifts in thalamo-cortical oscillations in response to 40-Hz tones*. Symposium presented at the 13th International Conference on Biomagnetism, Jena, Germany.

Houck, J., Bish, J.P., Martin, T., Ilmoneimi, R.J., & Tesche, C.D. (2002, August). *Cerebellar processing in a mental rotation task*. Poster session presented at the 13th International Conference on Biomagnetism, Jena, Germany.

Martin, T., Bish, J.P., **Houck, J.**, Ilmoneimi, R.J., & Tesche, C.D. (2002, August). *Entrainment decreases peak amplitude, but increases autocorrelation, in the auditory evoked response to target tones*. Poster session presented at the 13th International Conference on Biomagnetism, Jena, Germany.

Invited Presentations

“Change on the brain: Integrating process and imaging measures of motivation to change”
University of New Mexico
February 8, 2013

“Funding opportunities for early career investigators”
Albuquerque VA Medical Center
June 4, 2012

Teaching and other Instruction

“Introduction to the Motivational Interviewing Skills Code version 2.5”
University of New Mexico CASAA
March 28-29, 2013

“Using the Motivational Interviewing Skills Code (MISC) 2.5 for Sequential Coding”
University of Texas at Austin
May 23-25, 2012

“Using the Motivational Interviewing Skills Code (MISC) 2.5 and Motivational Interviewing Treatment Integrity (MITI)”
Boston Medical Center
May 13-15, 2012

“Using the Motivational Interviewing Skills Code (MISC) 2.5 for Sequential Coding of Group Interactions”
RAND Corporation
March 28-30, 2012

“Using the Motivational Interviewing Skills Code (MISC) 2.1”

Institute of Health Promotion and Disease Prevention
University of Southern California
March 24-26, 2008

“Using the Motivational Interviewing Skills Code (MISC) 2.0 and Client Language
Assessment in Motivational Interviewing (CLAMI) coding instruments”
School of Public Health
University of Texas Southwestern
October 29-30, 2007

Professional memberships and affiliations

American Psychological Association
American Psychological Society
Organization for Human Brain Mapping
Research Society on Alcoholism
Society for Neuroscience

Professional activities

Ad hoc reviewer, Psychology of Addictive Behaviors
Ad hoc reviewer, Cognitive and Behavioural Psychotherapy
Ad hoc reviewer, Journal of Substance Abuse Treatment