

## EDUCATION

### **University of Illinois at Urbana-Champaign**

2000 - 2008

M.A. and Ph.D., Clinical Psychology

Minor: Neuroscience

Ed Scheiderer Dissertation Award (2008)

Advisors: Gregory A. Miller, Ph.D. & Wendy Heller, Ph.D.

### **University of California San Diego**

1993 - 1998

B.S., Psychology

Minor: Women's Studies

Advisor: Brett A. Clementz, Ph.D.

## WORK EXPERIENCE

### **Associate Director for Training and Mentoring / Principal Investigator / Tulsa 1000 Investigator**

Laureate Institute for Brain Research, Tulsa, OK  
2018–Present

### **Associate Professor, Department of Community Medicine** 2021–Present

### **Assistant Professor, Department of Community Medicine** 2018–2021

University of Tulsa, Tulsa, OK

### **Assistant Professor, Department of Psychology**

City University of New York, Queens College / Graduate Center  
Training Area Coordinator, CUNY Graduate Center at Queens  
Clinical Psychology Ph.D. Program  
2014–2018

### **Post-Doc, University of California, San Diego**

2010-2014

### **Post-Doc, University of Arizona**

2008-2010

## SKILLS

- Functional neuroimaging data collection/analysis
- Research on depression and addiction
- Training, teaching and mentoring students
- Programming in R and Matlab
- Grant writing workshops

# JENNIFER L. STEWART PH.D.

Principal Investigator

## CONTACT

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## MANUSCRIPTS IN PREPARATION OR UNDER REVIEW

Burrows, K., DeVille, D., Cosgrove, K., Kuplicki, R., Tulsa 1000 Investigators, Paulus, M. P., Aupperle, R. L., Khalsa, S. K., & **Stewart, J. L.** (revise and resubmit, *Biological Psychology*). Impact of serotonergic medication on interoception in major depressive disorder.

Burrows, K.\*, Figueroa-Hall, L. K.\*, Kuplicki, R., **Stewart, J. L.**, Alarbi, A. M., Ramesh, R., Savitz, J. B., Teague, T. K., Risbrough, V. B., & Paulus, M. P. (under review). Neuronally-enriched exosomal miR-27b reveals mechanism for ibuprofen-induced acute effects on reward-related brain processing. \*co-first authors.

Ironside, M., Kuplicki, R., Walker, E., Ramsey, C., Forthman, K. L., Nestor, M. **T1000 Investigators (including Stewart, J. L.)**, & Paulus, M.P. (under review). The unique face of anxious depression: Exaggerated threat but preserved valence sensitivity.

Kirlic, N., Cohen, Z. P., Tsuchiyagaito, A., Misaki, M., McDermott, T. J., Aupperle, R. L., **Stewart, J. L.**, Singh, M. K., Paulus, M. P., Bodurka, J. (under review). Self-regulation of the posterior cingulate cortex with real-time fMRI neurofeedback augmented mindfulness training in healthy adolescents.

Kirlic, N., Kuplicki, R., Touthang, J., Cohen, Z. P., **Stewart, J. L.**, T1000 Investigators, Paulus, M. P., & Aupperle, R. L. (under review). Behavioral and neural responses during fear conditioning and extinction in a large transdiagnostic sample.

**Stewart, J. L.**, Burrows, K., Smith, R., Kuplicki, R., Kirlic, N., White, E. J., Lapidus, R., Tulsa 1000 Investigators, Paulus, M. P., Khalsa, S. S. (in prep to submit to *Biological Psychiatry CNNI*). Heightened salience of cardiac and respiratory sensations in individuals with amphetamine use disorder.

Storbeck, J., **Stewart, J. L.**, Wylie, J. (under review). Sadness and fear enhance facets of inhibition: Support for the emotion and goal compatibility theory.

White, E.J., Demuth, M.J., Nacke, M., Kirlic, N. Kuplicki, R., Spechler, P.A., McDermott, T.J., DeVille, D.C., T1000 investigators, **Stewart, J.L.**, Lowe, J, Paulus, M.P., & Aupperle, R.L. (under review). Neural processes underlying inhibitory control in American Indian peoples is associated with reduced mental health problems.

## PUBLICATIONS (2018 – Present)

### IN PRESS

Akeman, E., White, E. J., Wolitzky-Taylor, K., Santiago, J., McDermott, T. J., DeVille, D. C., **Stewart, J. L.**, Paulus, M. P., Taylor, C. T., & Aupperle, R. L. (in press). Amplification of positivity therapy for co-occurring alcohol use disorder with depression and anxiety symptoms: feasibility study and case series. *Behavior Modification*.

Cohen, Z., Cosgrove, K., DeVille, D., Akeman, E., Singh, M. K., White, E., **Stewart, J. L.**, Aupperle, R. L., Paulus, M. P., & Kirlic, N. (in press, *Frontiers in Pediatrics*). The impact of COVID-19 on adolescent mental health: Preliminary findings from a longitudinal sample of healthy and at-risk adolescents.

Kirlic, N. Cohen, Z., & **Stewart, J. L.** (in press, *Current Addiction Reports*). Neurocircuitry of mindfulness-based interventions for substance use prevention and recovery.

White, E. J., Nacke, M., Akeman, E., Cannon, M. J., Mayeli, A., Touthang, J., al Zoubi, O., McDermott, T. J., Kirlic, N., Santiago, J., Kuplicki, R., Bodurka, J., Paulus, M. P., Craske, M. G., Wolitzky-Taylor, K., Abelson, J., Martell, C., Clausen, A., Aupperle, R. L. \*, & **Stewart, J. L.\*** (in press, *Journal of Affective Disorders*). P300 amplitude during a monetary incentive delay task predicts future therapy completion in individuals with major depressive disorder. \* = co-senior authors.

2021

Burrows, K., **Stewart, J. L.**, Kuplicki, R., Figueroa-Hall, L., Spechler, P. A., Zheng, H., Guinjoan, S. M., Tulsa 1000 Investigators, Savitz, J. B., Teague, T. K., & Paulus, M. P. (2021). Elevated peripheral inflammation is associated with attenuated striatal reward anticipation in major depressive disorder. *Brain, Behavior, and Immunity*, 93, 214-225. <https://doi.org/10.1016/j.bbi.2021.01.016>

May, A. C., Burrows, K., Figueroa-Hall, L. K., Kirlic, N., White, E. J., Smith, R., Ekhtiari, H., T1000 Investigators, Paulus, M. P., Savitz, J., & **Stewart, J. L.** (2021). Sex differences in circulating inflammatory mediators as a function of substance use disorder. *Drug and Alcohol Dependence*, 221, 108610. <https://doi.org/10.1016/j.drugalcdep.2021.108610>

Smith, R., Kirlic, N., **Stewart, J. L.**, Touthang, J., Kuplicki, R., Khalsa, S. S., ... & Aupperle, R. L. (2021). Greater decision uncertainty characterizes a transdiagnostic patient sample during approach-avoidance conflict: a computational modelling approach. *Journal of Psychiatry & Neuroscience: JPN*, 46(1), E74.

Smith, R., Kirlic, N., **Stewart, J. L.**, Touthang, J., Kuplicki, R., McDermott, T. J., ... & Aupperle, R. L. (2021). Long-term stability of computational parameters during approach-avoidance conflict in a transdiagnostic psychiatric patient sample. *Scientific reports*, 11(1), 1-13. <https://doi.org/10.1038/s41598-021-91308-x>

Smith, R., Kirlic, N., **Stewart, J. L.**, Touthang, J., Kuplicki, R., Khalsa, S. S., Paulus, M. P., T1000 Investigators, Aupperle, R. L. (2021). Perceptual insensitivity to the modulation of interoceptive signals in depression, anxiety, and substance use disorders. *Scientific Reports*, 11, 1-14. <https://doi.org/10.1038/s41598-021-81307-3>

White, E. J., Kuplicki, R., **Stewart, J. L.**, Kirlic, N., Yeh, H., T-1000 investigators, Paulus, M. P., & Aupperle, R. L. (2021). Latent activation variables during the MID: Parsing arousal and valence during anticipatory reward processing. *Neuroimage*.

## 2020

Aupperle, R. L., Paulus, M. P., Kuplicki, R., Touthang, J., Victor, T., Yeh, H. W., ... & Tulsa 1000 Investigators (incl. **Stewart, J. L.**) (2020). Web-based graphic representation of the life course of mental health: Cross-sectional study across the spectrum of mood, anxiety, eating, and substance use disorders. *JMIR Mental Health*, 7, e16919. <https://doi.org/10.1016/j.drugalcdep.2020.108211>

Burrows, K., **Stewart, J. L.**, Antonacci, C., Kuplicki, R., Thompson, K., Taylor, A., Teague, T. K., & Paulus, M. P. (2020). Association of poorer dietary quality and higher dietary inflammation with greater symptom severity in depressed individuals with appetite loss. *Journal of Affective Disorders*, 263, 99-106. <https://doi.org/10.1016/j.jad.2019.11.160>

Colaizzi, J. M., Flagel, S. B., Joyner, M. A., Gearhardt, A. N., **Stewart, J. L.**, & Paulus, M. P. (2020). Mapping sign-tracking and goal-tracking onto human behaviors. *Neuroscience & Biobehavioral Reviews*, 111, 84-94. <https://doi.org/10.1016/j.neubiorev.2020.01.018>

DeVile, D. C., Kuplicki, R., **Stewart, J. L.**, Tulsa 1000 Investigators, Paulus, M. P., & Khalsa, S. S. (2020). Diminished responses to bodily threat and blunted cardiac interoception in suicide attempters. *ELife*, 9, e51593. <https://elifesciences.org/articles/51593>

Jones, E. A., Fiani, T. D, **Stewart, J. L.**, Neil, N., & McHugh, S. D, & Fienup, D. M. (2020). Randomized controlled trial of a sibling support group: Mental health outcomes for siblings of children with autism. *Autism*, 24, 1468-1481. <https://doi.org/10.1177%2F1362361320908979>

Lapidus, R. C., Puhl, M., Kuplicki, R., **Stewart, J. L.**, Tulsa 1000 Investigators, Paulus, M. P., Rhudy, J. L., Feinstein, J. S., & Khalsa, S. S. (2020). Heightened affective response to perturbation of respiratory but not pain signals in eating, mood, and anxiety disorders. *PLoS One*, 15, e0235346. <https://doi.org/10.1371/journal.pone.0235346>

Li, T., Wang, L., Camilleri, J. A., Chen, X., Li, S., **Stewart, J. L.**, Jiang, Y., Eickhoff, S., & Feng, C. (2020). Mapping common grey matter volume deviation across child and adolescent psychiatric disorders. *Neuroscience and Biobehavioral Reviews*, 115, 273-284. <https://doi.org/10.1016/j.neubiorev.2020.05.015>

May, A. C., Aupperle, R. L., & **Stewart, J. L.** (2020). Dark times: The role of negative reinforcement in methamphetamine addiction. *Frontiers in Psychiatry, 11*, 114. <https://doi.org/10.3389/fpsy.2020.00114>

May, A. C., Jacobus, J., **Stewart, J. L.**, Simmons, A. S., Paulus, M. P., & Tapert, S. F. (2020). Do adolescents use substances to relieve uncomfortable sensations? A preliminary examination of negative reinforcement among adolescent substance users. *Brain Sciences, 10*, 214. <https://doi.org/10.3390/brainsci10040214>

Mayeli, A., Misaki, M., Zotev, V., Tsuchiyagaito, A., Al Zoubi, O., Phillips, R., Smith, J., **Stewart, J. L.**, Refai, H., Paulus, M., & Bodurka, J. (2020). Self-regulation of ventromedial prefrontal cortex activation using real-time fMRI neurofeedback: Influence of default mode network. *Human Brain Mapping, 41*, 342-352. <https://doi.org/10.1002/hbm.24805>

Mayeli, A., Al Zoubi, O., Misaki, M., **Stewart, J. L.**, Zotev, V., Phillips, R., Luo, Q., Götz, M., Paulus, M., Refai, H., & Bodurka, J. (2020). Integration of simultaneous resting-state electroencephalography, functional magnetic resonance imaging, and eye tracker methods to determine and verify electroencephalography vigilance measure. *Brain Connectivity, 10*, 535-546. <https://doi.org/10.1089/brain.2019.0731>

Moradi, M., Ekhtiari, H., Kuplicki, R. T., McKinney, B. A., **Stewart, J. L.**, Victor, T. A., Tulsa 1000 Investigators, Paulus, M. P. (2020). Evaluating the resource allocation index as a potential fMRI-based biomarker for substance use disorder. *Drug and Alcohol Dependence, 216*, 108211. <https://doi.org/10.1016/j.drugalcdep.2020.108211>

Paulus, M. P., & **Stewart, J. L.** (2020). Neurobiology, clinical presentation, and treatment of methamphetamine use disorder: A review. *JAMA Psychiatry, 77*, 959-966. <https://doi.org/10.1001/jamapsychiatry.2020.0246>

Ralph-Nearman, C., **Stewart, J. L.**, & Jones, K. (2020). The role of negative urgency in risky alcohol drinking and binge-eating in United Kingdom male and female students. *Addictive Behaviors Reports, 11*, 100274. <https://doi.org/10.1016/j.abrep.2020.100274>

Smith, R., Kuplicki, R., Feinstein, J. Forthman, K. L., **Stewart, J. L.**, Paulus, M. P., T1000 Investigators, & Khalsa, S. S. (2020). A Bayesian computational model reveals a failure to adapt interoceptive precision estimates across depression, anxiety, eating, and substance use disorders. *Computational Biology, 16*, e1008484. <https://doi.org/10.1371/journal.pcbi.1008484>

Smith, R., Schwartenbeck, P., **Stewart, J.L.**, Kuplicki, R., T1000 Investigators, Paulus, M.P. (2020). Imprecise action selection in substance use disorder: Evidence for active learning impairments when solving the explore-exploit dilemma. *Drug and Alcohol Dependence, 215*, 108208. <https://doi.org/10.1016/j.drugalcdep.2020.108208>

Spechler, P., **Stewart, J. L.**, Kuplicki, R., Paulus, M. P., & Tulsa 1000 Investigators (2020). Attenuated reward activations in the striatum of anxious and depressed cannabis users. *Translational Psychiatry, 10*, 189. <https://doi.org/10.1038/s41398-020-0807-9>

Spechler, P. A., **Stewart, J. L.**, Kuplicki, R., Tulsa 1000 Investigators, & Paulus, M. P. (2020). Parsing impulsivity in individuals with mood and anxiety disorders who use cannabis. *Drug and Alcohol Dependence, 217*, 108289. <https://doi.org/10.1016/j.drugalcdep.2020.108289>

**Stewart, J. L.**, White, E. J., Kuplicki, R., Akeman, E., T1000 Investigators, Paulus, M. P., & Aupperle, R. L. (2020). Women with major depressive disorder, irrespective of comorbid anxiety disorders, show blunted bilateral frontal responses during win and loss anticipation. *Journal of Affective Disorders, 273*, 157-166. <https://doi.org/10.1016/j.jad.2020.04.064>

Xu, B., Moradi, M., Kuplicki, R., **Stewart, J. L.**, McKinney, B., Sen, S., & Paulus, M. P. (2020). Machine learning approaches do not support links between volatile organic compounds and depression, anxiety, and addiction symptoms in a transdiagnostic community sample. *Frontiers in Psychiatry, 11*, 951. <https://dx.doi.org/10.3389%2Fpsy.2020.503248>

Butt, M., Espinal, E., Aupperle, R. L., Nikulina, V., & **Stewart, J. L.** (2019). The electrical aftermath: Brain signals of posttraumatic stress disorder filtered through a clinical lens. *Frontiers in Psychiatry, 10*, 368.

<https://dx.doi.org/10.3389%2Ffpsyt.2019.00368>

Feng, C., Forthman, K., Kuplicki, R., Yeh, H., **Stewart, J. L.**, & Paulus, M. P. (2019). Neighborhood affluence is not associated with positive and negative valence processing in adults with mood and anxiety disorders: A Bayesian inference approach. *Neuroimage: Clinical, 22*, 101738. <https://doi.org/10.1016/j.nicl.2019.101738>

Jones, E. A., Fiani, T.D, **Stewart, J. L.**, Neil, N. D, Sheikh, R. M, & Fienup, D. M. (2019). When one sibling has autism: Adjustment and sibling relationship. *Journal of Child and Family Studies, 28*, 1272-1282.

<https://doi.org/10.1007/s10826-019-01374-z>

Ralph-Nearman, C., Achee, M., Lapidus, R., Filik, R.\* & **Stewart, J. L.\*** (2019). A systematic and methodological review of attentional biases in eating disorders: Food, body, and perfectionism. *Brain and Behavior, 9*, e01458. \* = co-senior authors. <https://doi.org/10.1002/brb3.1458>

**Stewart, J. L.** (2019). A computational modeling approach supports negative reinforcement theories of addiction. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 4*, 218-219.

<https://doi.org/10.1016/j.bpsc.2019.01.003>

**Stewart, J. L.**, Khalsa, S., Kuplicki, R., Puhl, M., Tulsa 1000 Investigators, & Paulus, M. P. (2019). Interoceptive attention in opioid and stimulant use disorder. *Addiction Biology, 25*, e12831. <https://doi.org/10.1111/adb.12831>

**Stewart, J. L.**, May, A. C., Aupperle, R. L., & Bodurka, J. (2019). Forging neuroimaging targets for recovery in opioid use disorder. *Frontiers in Psychiatry, 10*, 117. <https://doi.org/10.3389/fpsy.2019.00117>

**Stewart, J. L.**, May, A. C., & Paulus, M. P. (2019). Bouncing back: Brain rehabilitation in the midst of opioid and stimulant epidemics. *Neuroimage: Clinical, 24*, 102068. <https://doi.org/10.1016/j.nicl.2019.102068>

Vila-Castelar, C., Ly, J. J., Kaplan, L., Van Dyk, K., Berger, J. T., Macina, L. O., **Stewart, J. L.**, & Foldi, N. S. (2019). Attention measures of accuracy, variability, and fatigue detect early response to Donepezil in Alzheimer's Disease: A randomized, double-blind, placebo-controlled pilot trial. *Archives of Clinical Neuropsychology, 34*, 277-289.

<https://doi.org/10.1093/arclin/acy032>

## 2018

Blair, M. A., **Stewart, J. L.**, May, A. C., Reske, M., Tapert, S. F., & Paulus, M. P. (2018). Blunted frontostriatal blood oxygen level-dependent signals predict stimulant and marijuana use. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 3*, 947-958. <https://doi.org/10.1016/j.bpsc.2018.03.005>

Fee, R. J., Montes, J., **Stewart, J. L.**, & Hinton, V. J. (2018). Executive skills and academic achievement in the dystrophinopathies. *Journal of the International Neuropsychological Society, 24*, 928-938.

<https://doi.org/10.1017/S1355617717001333>

**Stewart, J. L.** (2018). The brain feels the pain from teenage drinking: Commentary on Pfefferbaum et al. (2018). *American Journal of Psychiatry, 175*, 305-306. <https://ajp.psychiatryonline.org/doi/10.1176/appi.ajp.2018.17121316>

**Stewart, J. L.**, & Allen, J. J. B. (2018). Resting frontal brain asymmetry is linked to future depressive symptoms in women. *Biological Psychology, 136*, 161-167. <https://doi.org/10.1016/j.biopsycho.2018.06.004>

## PUBLICATIONS (Prior to 2018)

Accortt, E. E., **Stewart, J. L.**, Coan, J. A., Manber, R., & Allen, J. J. B. (2011). Prefrontal brain asymmetry and premenstrual dysphoric disorder symptomatology. *Journal of Affective Disorders, 128*, 178-183. doi:

<https://dx.doi.org/10.1016%2Fj.jad.2010.07.017>

- Berk, L., **Stewart, J. L.**, May, A. C., Weirs, R., Tapert, S. F., & Paulus, M. P. (2015). Under pressure: Adolescent substance users show exaggerated neural processing of aversive interoceptive stimuli. *Addiction*, *110*, 2025-2036. doi: <https://doi.org/10.1111/add.13090>
- Bismark, A. W., Moreno, F., **Stewart, J. L.**, Towers, D. N., Coan, J. A., Oas, J., & Allen, J. J. B. (2010). Polymorphisms of the 5HT1A allele are linked to frontal brain electrical asymmetry. *Biological Psychology*, *83*, 153-158. doi: <https://doi.org/10.1016/j.biopsycho.2009.12.002>
- Edgar, J. C., **Stewart, J. L.**, & Miller, G. A. (2005). Digital filtering in EEG/ERP research. In T.C. Handy (Ed.), *Event-related potentials: A methods handbook*, MIT Press, 85-113.
- Fisher, J. E., Miller, G. A., Sass, S. M., Siltan, R. L., Edgar, J. C., **Stewart, J. L.**, Zhou, J., & Heller, W. (2014). Neural correlates of suspiciousness and interactions with anxiety during emotional and neutral word processing. *Frontiers in Psychology: Personality and Social Psychology*, *5*, 596 (online publication). doi: <https://doi.org/10.3389/fpsyg.2014.00596>
- Fisher, J. E., Sass, S. M., Heller, W., Siltan, R. L., Edgar, J. C., **Stewart, J. L.**, & Miller, G. A. (2010). Time course of processing emotional stimuli as a function of perceived emotional intelligence, anxiety, and depression. *Emotion*, *10*, 486-497. doi: <https://psycnet.apa.org/doi/10.1037/a0018691>
- Gowin, J. L., Harlé, K. M., **Stewart, J. L.**, Wittmann, M., Tapert, S. F., & Paulus, M. P. (2014). Attenuated insular processing during risk predicts relapse in early abstinent methamphetamine dependent individuals. *Neuropsychopharmacology*, *39*, 1379-1387. doi: <https://dx.doi.org/10.1038%2Fnpp.2013.333>
- Gowin, J. L., **Stewart, J. L.**, May, A. C., Ball, T. M., Wittmann, M., Tapert, S. F., & Paulus, M. P. (2014). Altered cingulate and insular cortex activation during risk-taking in methamphetamine dependence: Losses lose impact. *Addiction*, *109*, 237-247. doi: <https://doi.org/10.1111/add.12354>
- Haase, L., **Stewart, J. L.**, Youssef, B., May, A. C., Isakovic, S., Simmons, A. N., Johnson, D. C., Potterat, E. G., & Paulus, M. P. (2016). When the brain does not adequately feel the body: Links between low resilience and interoception. *Biological Psychology*, *113*, 37-45. <https://doi.org/10.1016/j.biopsycho.2015.11.004>
- Harlé, K. M., Shenoy, P., **Stewart, J. L.**, Tapert, S. F., Yu, A., & Paulus, M. P. (2014). Altered neural processing of the need to stop in young adults at risk of stimulant dependence. *Journal of Neuroscience*, *34*, 4567-4580. doi: <https://doi.org/10.1523/JNEUROSCI.2297-13.2014>
- Harlé, K. M., **Stewart, J. L.**, Zhang, S., Tapert, S. F., & Paulus, M. P. (2015). Bayesian neural adjustment of inhibitory control predicts emergence of problem stimulant use. *Brain*, *138*, 3413-3426. doi: <https://doi.org/10.1093/brain/awv246>
- Herrington, J. D., Mohanty, A., Koven, N. S., Fisher, J. E., **Stewart, J. L.**, Banich, M. T., Webb, A. G., Miller, G. A., & Heller, W. (2005). Emotion-modulated performance and activity in left dorsolateral prefrontal cortex. *Emotion*, *5*, 200-207. doi: <https://psycnet.apa.org/doi/10.1037/1528-3542.5.2.200>
- Mackey, S., **Stewart, J. L.**, Connolly, C. G., Tapert, S. F., & Paulus, M. P. (2014). A voxel-based morphometry study of young occasional users of amphetamine-type stimulants and cocaine. *Drug and Alcohol Dependence*, *135*, 104-111. doi: <https://doi.org/10.1016/j.drugalcdep.2013.11.018>
- May, A. C., **Stewart, J. L.**, Migliorini, R., Tapert, S. F., & Paulus, M. P. (2013). Methamphetamine dependent adults show attenuated brain response to pleasant interoceptive stimuli. *Drug and Alcohol Dependence*, *131*, 238-246. doi: <https://doi.org/10.1016/j.drugalcdep.2013.05.029>
- May, A. C., **Stewart, J. L.**, Tapert, S. F., & Paulus, M. P. (2014). The effect of age on neural processing of pleasant soft touch stimuli. *Frontiers in Behavioral Neuroscience*, *8*, 52 (online publication). doi: <https://doi.org/10.3389/fnbeh.2014.00052>

- Migliorini, R., **Stewart, J. L.**, May, A. C., Paulus, M. P., & Tapert, S. F. (2013). What do you feel? Adolescent drug and alcohol users show altered brain response to pleasant interoceptive stimuli. *Drug and Alcohol Dependence*, 133, 661-668. doi: <https://doi.org/10.1016/j.drugalcdep.2013.08.015>
- Paulus, M. P., & **Stewart, J. L.** (2014). Interoception and drug addiction. *Neuropsychopharmacology*, 76, 342-350. doi: <https://doi.org/10.1016/j.neuropharm.2013.07.002>
- Paulus, M. P., **Stewart, J. L.**, & Haase, L. (2013). Treatment approaches for interoceptive dysfunctions in drug addiction. *Frontiers in Psychiatry*, 4, 137 (online publication). doi: <https://doi.org/10.3389/fpsy.2013.00137>
- Reske, M., **Stewart, J. L.**, Flagan, T. F., & Paulus, M. P. (2015). Attenuated neural processing of risk in young adults at risk for stimulant dependence. *PLoS One*, 10, e0127010. doi: <https://doi.org/10.1371/journal.pone.0127010>
- Sass, S. M., Heller, W., Fisher, J. E., Siltan, R. L., **Stewart, J. L.**, Crocker, L. D., Edgar, J. C., Minmaugh, K. J., & Miller, G. A. (2014). Electrophysiological evidence of the time course of attentional bias in non-patients reporting symptoms of depression with and without co-occurring anxiety. *Frontiers in Personality and Social Psychology*, 5, 301 (online publication). doi: <https://doi.org/10.3389/fpsyg.2014.00301>
- Sass, S. M., Heller, W., **Stewart, J. L.**, Siltan, R. L., Edgar, J. C., Fisher, J. E. & Miller, G. A. (2010). Time course of attentional bias in anxiety: Emotion and gender specificity. *Psychophysiology*, 47, 247-259. doi: <https://doi.org/10.1111/j.1469-8986.2009.00926.x>
- Siltan, R. L., Heller, W., Towers, D. N., Engels, A. S., Edgar, J. C., Spielberg, J. M., Sass, S. M., **Stewart, J. L.**, Sutton, B. P., Banich, M. T., & Miller, G. A. (2011). Depression and anxious apprehension distinguish frontocingulate cortical activity during top-down attentional control. *Journal of Abnormal Psychology*, 120, 272-285. doi: <https://psycnet.apa.org/doi/10.1037/a0023204>
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## PUBLISHED COMMENTARIES ON OUR RESEARCH



Rabin, R. A., & Moeller, S. J. (2017). Commentary on **Stewart et al.** (2017): Stimulants and marijuana—the potential value in studying substance co-use. *Addiction*, 112, 1578-1579.

Lewis, A. H., & Delgado, M. R. (2013). Between abstinence and dependency: Understanding the brain and behavioral correlates of reward learning in occasional stimulant users [commentary on **Stewart et al.** (2013)]. *Biological Psychiatry*, 73, 209-210.

## **CONFERENCE POSTERS COAUTHORED WITH TU STUDENTS (2018 – Present)**

DeVile, D. C., Kuplicki, R., **Tulsa 1000 Investigators**, Paulus, M. P., Khalsa, S. S. (May, 2019). Blunted cardiac interoception in suicide attempters. Poster presentation at the 74th Annual Meeting of the Society of Biological Psychiatry. Chicago, IL.

DeVile, D. C., Kuplicki, R., **Tulsa 1000 Investigators**, Paulus, M. P., Khalsa, S. S. (March, 2019). Reduced interoceptive responses to bodily threat in suicide attempters. Poster presentation at the 2019 Anxiety and Depression Association of America (ADAA) Annual Conference. Chicago, IL.

Lapidus, R. C., Davenport, P. W., von Leupoldt, A., Feinstein, J. S., Upshaw, V. U., Chappelle, S., Guzman, D., **Stewart, J. L.**, & Khalsa, S. S. (2021). Probing Perceptions of Dyspnea in Anorexia Nervosa using Resistive Inspiratory Breathing Loads. Eating Disorder Research Society Annual Meeting, Boston, MA.

Lapidus, R. C., Feinstein, J. S., **Tulsa 1000 Investigators**, Paulus, M. P., & Khalsa, S. S. (March, 2019). Anxiety sensitivity is related to suffocation fear in eating and mood/anxiety disorders. Presented at the 2019 conference of the Anxiety and Depression Association of America, Chicago IL.

Moradi, M., Ekhtiari, H., Kuplicki, R., McKinney, B., **Stewart, J. L.**, Paulus, M. P., **Tulsa 1000 Investigators** (June, 2019). Resource allocation index (RAI) as a potential fMRI-based biomarker for substance use disorder: Negative findings in T1000 cohort. Poster presentation at the 2019 College on Problems of Drug Dependence (CPDD) annual conference. San Antonio, TX.

## **OTHER PRESENTATIONS (2018 – Present)**

**Stewart, J. L.** (May, 2018). Interaction of drug cues and interoceptive stress in recovery from methamphetamine dependence: A pilot study. Presented at annual Society of Biological Psychiatry conference, Manhattan, NY.

**Stewart, J. L.**, Khalsa, S. S., Kuplicki, R., Puhl, M., T1000 Investigators, & Paulus, M. P. (May, 2019). Interoceptive attention in opioid and stimulant use disorder. Presented at annual Society of Biological Psychiatry conference, Chicago, IL.

**Stewart, J. L.** (June, 2019). A computational psychiatry approach to the prediction of stimulant use disorders. Presented in place of Martin Paulus at the annual College on Problems of Drug Dependence conference, San Antonio, TX.

**Stewart, J. L.** (August, 2019). Background and research at LIBR. Presented at William K. Warren board meeting, Tulsa, OK.

**Stewart, J. L.** (September, 2019). Interoceptive attention in opioid and stimulant use disorder. Presented at LIBR Tulsa 1000 meeting, Tulsa, OK.

**Stewart, J. L.** (October, 2019). Grants! Presented at monthly LIBR post-doc meeting, Tulsa OK.

**Stewart, J. L.** (November, 2019). Interoception and addiction. Presented as a guest lecture in BIOL 4173: Principles of Neuroscience class, University of Tulsa, Tulsa OK.

May, A. C., **Stewart, J. L.**, Tapert, S. F., Paulus, M. P. (February 2020). Neuropsychological functioning among individuals in remission from methamphetamine use disorder. Poster presented at the International Neuropsychological Society conference, Denver, CO.

Smith, R., Kirlic, N., **Stewart, J. L.**, Touthang, J., Kuplicki, R., Khalsa, S. S., Paulus, M. P., T1000 Investigators, Aupperle, R. L. (May 2020). Sensitivity to expected negative outcomes during approach-avoidance conflict in a transdiagnostic patient sample: A computational (active inference) modeling approach. Poster presented at the Society for Biological Psychiatry conference, Manhattan NY (virtual).

Spechler, P., **Stewart, J. L.**, Kuplicki, R., Paulus, M. P. (May 2020). Reduced striatal reward activation in anxious and depressed cannabis users. Poster presented at the Society for Biological Psychiatry conference, Manhattan NY.

**Stewart, J. L.**, White, E. J., Kuplicki, R., Akeman, E., T1000 Investigators, Paulus, M. P., & Aupperle, R. L. (May 2020). Women with major depressive disorder, irrespective of comorbid anxiety disorders, show blunted bilateral frontal responses during win and loss anticipation. Poster presented at the Society for Biological Psychiatry conference, Manhattan NY (virtual).

Aupperle, R.L., White, E. J., Taylor, K., McDermott, T., Akeman, E., Santiago, J., DeVille, D., **Stewart, J. L.**, Paulus, M. P., & Taylor, C. A feasibility study focusing on the amplification of positivity for co-occurring alcohol use disorder and mood or anxiety symptoms (AMP-A) (2020). Presented at ABCT.

**Stewart, J. L.** (October 9, 2020). Addiction, interoception and aversive salience. Talk presented as part of the Indiana University Clinical Psychology Colloquium series, Bloomington IN (virtual).

White, E. J., Kuplicki, R., **Stewart, J. L.**, Kirlic, N., Yeh, H., T-1000 investigators, Paulus, M. P., & Aupperle, R. L. (2020). Latent variables distinguish brain activation related to arousal and valence during reward and loss anticipation. Presented at the annual meeting of the American College of Neuropsychopharmacology (virtual).

**Stewart, J. L.** (February 18, 2021). Identifying treatment targets for methamphetamine and opioid addiction in collaboration with Tulsa recovery programs. Talk presented as part of the Oxley College of Health Sciences Community Lecture Series, University of Tulsa, Tulsa, OK (virtual).

**Stewart, J. L.** (March 27, 2021). Prescription drug addiction. Talk presented to Young Men's Service League, Tulsa OK chapter (virtual).

**Stewart, J. L.** (April 8, 2021). Addiction, interoception and aversive salience. Talk presented as part of the Rutgers University Clinical Psychology Colloquium series, New Brunswick, NJ (virtual).

**Stewart, J. L.** (April 21, 2021). Identifying treatment targets for methamphetamine and opioid addiction in collaboration with Tulsa recovery programs. Talk presented as part of the CUNY Queens College Behavioral Neuroscience Masters Program Colloquium Series, Queens, NY (virtual).

Demuth, M. J., Nacke, M., **T1000 Investigators (including J. L. Stewart)**, Paulus, M. P., & White, E. J. (2021, November). Childhood Trauma is Associated with Neuroticism and Poorer Physical Outcomes within an American Indian Sample. Poster to be presented at the Native American Issues in Behavior Therapy and Research Special Interest Group at the 55th Association for Behavioral and Cognitive Therapies Annual Convention. Virtual online meeting.

Ironside, M., Kuplicki, R., Walker, E., Ramsey, C., Forthman, K. L., **T1000 Investigators (including J. L. Stewart)**, & Paulus, M. P. (2021). A multi-level characterization of preserved valence sensitivity as a phenotype of anxious but not non-anxious depression. To be presented at the annual ACNP conference.

Kirlic, N., Cohen, Z. P., Tsuchiyagaito, A., Misaki, M., **Stewart, J. L.**, Singh, M. K., Aupperle, R. L., Bodurka, J., & Paulus, M. P. (2021). Neurofeedback augmented mindfulness training elicits distinct responses in the subregions of the insular cortex in healthy adolescents. To be presented at the annual ACNP conference.

White, E. J., Demuth, M. J., Nacke, M., Kirlic, N., Kuplicki, R., Spechler, P. A., McDermott, T. J., DeVille, D. C., T1000 Investigators, **Stewart, J. L.**, Lowe, J., Paulus, M. P., & Aupperle, R. L. (2021). Neural processes of inhibitory control in American Indian peoples are associated with reduced mental health difficulties. To be presented at the annual ACNP conference.

## **GRANTS**

NIH R01 Grant, NIMH (awarded, funding period 9/1/21 – 6/30/26)

PI: Khalsa, S.

Role: Co-Investigator

NIH R01 Grant, NIDA (awarded, funding period 3/1/21 – 12/31/25)

1 R01 DA050677-01A1

Role: Principal Investigator

“Plasticity of Aversive Salience in Opioid Use Disorder”

Impact Score = 18, Percentile = 2

Direct Costs = \$1,998,976; Total Costs = \$3,367,075

NIH R21 Grant, NIMH (submitted but not funded, October 2018)

Role: Co-Investigator [wrote grant Research Strategy, Project Summary, and Narrative]

“Multimodal neuroimaging prediction of future major depressive disorder”

NIH CoBRE Pilot Grant, NIGMS (awarded \$33,000; funding period: 12/2018-12/2019)

Role: Principal Investigator

“Refining frontal brain asymmetry as a biomarker for major depressive disorder”

NIH SCORE SC2 Pilot Grant, NIDA (awarded \$462,000 on 04/2018 but not accepted due to my move to Tulsa)

Role: Principal Investigator

Title: “Biomarkers of risky decision making in college student marijuana users”

PSC-CUNY Grant (awarded \$3300, Funding period: 07/2017-06/2018)

Role: Principal Investigator

Title: “Biomarkers of risky decision making in college student marijuana users”

Brain and Behavior Foundation NARSAD Young Investigator Grant (submitted but not funded, 2015)

Role: Principal Investigator

Mentor: Jeffrey Halperin, Ph.D.

Collaborator: Justin Storbeck, Ph.D.

Title: “Electrophysiological markers of cognition-emotion interactions in major depressive disorder”

PSC CUNY Grant Type A (awarded \$3300, 2015)

Role: Principal Investigator

Title: “Refining biomarker screening for major depressive disorder”

CUNY Research Enhancement Grant (awarded \$4500, 2014)

Role: Co-Principal Investigator with Justin Storbeck, Ph.D.

Title: “Electrophysiological markers of cognition-emotion interactions: Implications for depression and anxiety disorders”

NIDA Loan Repayment Award (awarded \$40,000; funding period: 2011-2013)

Commitment to addiction research for two years

## **COMMITTEE MEMBER**

Society for Psychophysiological Research Archives Committee (Fall 2021 – Fall 2024)

## **CONSULTING EDITOR**

Psychophysiology (2017-Current)

## **AD-HOC REVIEWER**

For the following journals: Addiction; Addiction Biology; Addictive Behaviors; American Journal of Psychiatry; Biological Psychiatry; Biological Psychology; Brain and Cognition; Cerebral Cortex; Clinical Neurophysiology; Cognitive, Affective, and Behavioral Neuroscience; Current Directions in Psychological Science; Drug and Alcohol Dependence; Emotion; Frontiers; Human Brain Mapping; International Journal of Psychophysiology; JAMA Psychiatry; Journal of Abnormal Psychology; Journal of Neuroscience; Neuroimage; Neuroimage Clinical; Neuroscience Letters; Personality and Individual Differences; PLoS-ONE; Psychiatry Research: Neuroimaging; Psychopharmacology; Psychophysiology; Social Cognitive and Affective Neuroscience; Translational Psychiatry.

## **PROFESSIONAL AFFILIATIONS**

College on Problems of Drug Dependence, Society for Psychophysiological Research, Society of Biological Psychiatry

## **CURRICULUM DEVELOPMENT**

### **Statistics Tutorials, LIBR (2019)**

- Created 18 separate statistics tutorials on how to use R statistical language code to analyze data.
- Disseminated to LIBR staff, including grad students, post-docs, associate investigators, and principal investigators.

### **K Club, LIBR (2020)**

- Developed 13-week grant writing course focusing on National Institutes of Health Career Development 'K' awards
- One hour per week virtual didactic session with Power Point presentations
- Creation of syllabus and homework assignments
- Curation of examples for each section of the K award to be written
- Weekly feedback to each course attendee on their homework

## **TEACHING EXPERIENCE**

### **Psychology 766: Graduate Psychodiagnostics I: Neuropsychological Assessment (2018)**

**Department of Psychology, CUNY Queens College / The Graduate Center**

- Provide an introduction to clinical interviewing.
- Train students on administration and interpretation of measures of intelligence (e.g., Wechsler Intelligence Scale for Children V and Wechsler Adult Intelligence Scale IV)
- Train students on test-report writing.
- Diversity issues (e.g., age, gender, race, ethnicity, educational level, and sexual orientation) considered with respect to test administration, interpretation of test findings, diagnostic issues, and the therapeutic relationship and rapport.

### **Psychology 347: Undergraduate Introduction to Clinical Psychology (2015-2018)**

**Department of Psychology, CUNY Queens College**

- Designed lectures, exams, in-class activities, and homework assignments on topics related to clinical psychology, including types of assessments, interventions, and leaders in the field.
- Held review sessions prior to each exam (e.g., Jeopardy, Who Wants to Be a Millionaire, with students winning candy for correct answers)
- Created extra credit writing assignments involving critical analysis of media portrayals of mental illness.

### **Psychology 391: Undergraduate Independent Research (2015-2017)**

**Department of Psychology, CUNY Queens College**

- Worked one-on-one with students to design and execute personal research projects
- Taught students EEG data collection, EEG/fMRI data analysis, and statistical analysis in SPSS
- Mentored students on literature reviews, manuscript write-up in APA style, and poster presentation creation/presentation

### **Psychology 706: Graduate Statistics II (2015-2017)**

#### **Department of Psychology, CUNY Queens College / The Graduate Center**

- Designed lectures, exams, in-class activities, and homework assignments on topics related to univariate and multivariate statistics involving SPSS software.
- Focus on ANOVA, ANCOVA, MANOVA, Multiple Regression, and measures of Effect Size
- Slides located here: <https://raadlabqc.wordpress.com/psych-706-graduate-statistics-ii/>

### **Psychology 221: Undergraduate Psychopathology (2014-2017)**

#### **Department of Psychology, CUNY Queens College**

- Designed lectures, exams, in-class activities, videos, and homework assignments on topics related to abnormal psychology.
- Held review sessions prior to each exam (e.g., Jeopardy, Who Wants to Be a Millionaire, with students winning candy for correct answers)
- Created extra credit writing assignments involving critical analysis of media portrayals of mental illness

### **Psychology 767: Graduate Psychodiagnostics II: Personality Assessment (2014-2017)**

#### **Department of Psychology, CUNY Queens College / The Graduate Center**

- Designed lectures, exams, in-class activities and papers on topics related to the assessment of personality and psychopathology for the purposes of planning clinical interventions and tracking clinical outcomes to prepare students to begin externships at Queens College Psychological Center.
- Trained students in basic clinical interviewing and assessment techniques including the MMPI-2, ADIS-5, KSADS, MMSE, MOCA, and suicide risk assessment.
- Presented an overview of projective techniques such as the Rorschach and the Thematic Apperception Test.
- Focus on issues of diversity and potential bias in assessment/intervention measures as well as clinician biases as a function of difference (race/ethnicity, acculturation, LGBTQ orientations, gender, ability, age, socioeconomic status, etc.)

## **TEACHING EFFECTIVENESS**

### **Psych 706 (Graduate Statistics II):**

- “I would recommend this instructor to a friend because she not only provides the material in a clear and coherent manner but also strives to make sure that every student succeeds. She is always willing to help whenever she can. With homework assignments, she allows you to show her what your interpretations of the analyses are before the assignment is due to make sure you have the correct understanding of the material. She offers useful, helpful, and timely feedback.”
- “Jenny is great! She makes the class very interesting and her slides are amazing! She grades and returns all work in a timely fashion.”
- “This class was great. I actually postponed taking stats until the second semester of my 5th year, out of fear! If I had known how great Dr. Stewart's class was, I would have taken it much sooner! Thank you for teaching as in a kind and careful manner! I have learned so much!”
- “Unbelievable professor!”
- “Dr. Stewart is an amazing teacher and lecturer. She was very prompt and helpful in her replies to emails and questions. Lectures were interesting, educating, fun (and funny!), and clear. She was always very nice to tailor the materials and lectures to our need. Great Class!”
- “Amazing Course! Thank you for the clear structure and wonderful slides! Your availability to assist with homework helped me learn so much! I would highly recommend the course and am so grateful to have been in the class! It was the best statistics class I have ever taken. Thank you for the wonderful tutorials. I will use them in years to come!”
- “Loved this course! I'm glad I've actually learned this semester!”
- “Thank you for an awesome term Jenny! You made stats bearable and actually fun!!”
- “Instructor went above and beyond to help students. Incredibly approachable and helpful!”
- “She is the best! Such an amazing and supportive teacher who kept a late night stats class engaging with clear slides and humor. Very available to students and always encouraging!”
- “Jenny is the best!”
- “Great instructor!”

### **Psych 391 (Undergraduate Independent Research):**

- “I would definitely recommend Dr. Stewart because she is great at explaining complicated material in an understandable way, she really cares about her students, and she is very helpful when we go to her for advice about clinical psychology and graduate school. When I asked her for a letter of recommendation, she always submitted it within the same week (which I really appreciated, since I know how busy she is). She taught me so much about psychopathology, neuroscience, and clinical psychology research, and therefore, there would not be a professor that I would recommend more highly than her.”
- “I really liked working with Dr. Stewart on preparing a research manuscript together, since I learned a lot about data analysis using SPSS, writing scientifically (implementing what I learned in Psych 107 and 213W and gaining more practical experience). I also really like making posters, and she helped me and one other RA prepare a poster for the Eastern Psychological Association conference, which I really appreciate (since I would not have been able to do it without her guidance, insight, and support). I also liked learning how to use EEG equipment and running participants on the EEG.”
- “I had a great experience in Dr. Stewart’s lab – she really cares about all of her RAs, and if there is an issue that comes up she comes to the lab and works with the RAs personally until we all figure it out. Understandably, things come up in the research process that are sometimes frustrating, such as little kinks that may come up that we may have to work out, but Dr. Stewart is very hardworking and dedicated to the lab (not aloof or distant or leaving or leaving graduate students to take care of everything as I’ve known other PI’s to be).”
- “I came to the RAAD lab with no previous research experience and Dr. Stewart took a chance on me. Because of the laboratory experience, I was able to pursue many other research and internship opportunities. Dr. Stewart not only taught me research techniques, such as using the EEG, neuropsych testing, and SPSS, but she also taught me leadership skills that will carry with me in my future career. She pushed me to present at the EPA conference and although I was terrified, I really enjoyed myself. I loved the work we were doing and I truly experienced ‘Find a job you love doing and you’ll never work a day in your life.’”

### **Psych 767 (Graduate Psychodiagnostics II: Personality Assessment):**

- “Jenny is great at structuring the course in such a way that the work is very manageable. This was one of the few courses I’ve taken wherein in-class activities were interesting, helpful, and relevant. I didn’t skip class because I didn’t want to miss anything.”
- “Dr. Stewart is a great instructor. She is very supportive and understanding. I learned a lot in class and it made me feel more prepared for future tasks and classes.”
- “Thank you for a wonderful semester. I appreciate the time and effort put into each one of your lesson plans.”
- “I truly admire your teaching style and the effort you put into each class.”

### **CUNY Undergraduate/Masters Student Evaluations (note: 5 = highest score)**

Evaluation	PSYCH 221 Fall 2014	PSYCH 221 Spring 2015	PSYCH706 Spring 2015	PSYCH 706 Spring 2016	PSYCH 706 Spring 2017
Response Rate	70/100 = 70%	75/93 = 81%	2/2 = 100%	2/3 = 66%	2/3=66%
# Enrolled	100	93	2 MA	3 MA	3 MA
# Responses	70	75	2 MA	2 MA	2 MA
Overall Course	4.7	4.7	5.0	4.5	5.0
Overall Instructor	4.9	4.9	5.0	4.5	5.0
Difficulty	2.4	2.3	3.0	2.5	3.0
Readings	4.5	4.2	4.5	4.5	4.0
Availability	4.6	4.6	N/A	4.5	4.5
Assignments/Exams	4.9	4.6	N/A	5.0	5.0
Feedback	4.9	4.6	N/A	5.0	5.0
Interaction	4.9	4.6	N/A	5.0	4.5
Clarity	4.9	4.6	N/A	5.0	4.5
Syllabus	Yes	Yes	Yes	Yes	Yes

### **CUNY Ph.D. Student Evaluations (note: 1 = highest score)**

Evaluation	PSYCH 767	PSYCH 706	PSYCH 767	PSYCH 706	PSYCH 767	PSYCH 706
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	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016	Spring 2017
# Students filled out	5/6 = 83%	10/10 = 100%	4/4 = 100%	11/13 = 85%	4/4 = 100%	10/11 = 91%
Course well-organized	1.4	1.0	1.3	1.0	1.0	1.0
Lecture material up-to-date	1.0	1.0	1.0	1.0	1.0	1.0
Lecture material presented in interesting fashion	1.2	1.1	1.0	1.0	1.3	1.0
Lectures valuable	1.2	1.0	1.0	1.1	1.0	1.0
Text readings useful	2.6	1.2	1.5	1.2	1.8	1.2
Intellectually stimulating	1.6	1.0	1.0	1.2	1.5	1.3
Work light for credits offered	3.2	2.2	3.0	3.7	3.3	2.8
Exams excellent	1.0	1.1	1.5	1.5	1.3	1.1
I learned course matter well	1.8	1.1	1.5	1.2	1.0	1.2
Overall rating excellent	1.2	1.1	1.3	1.2	1.0	1.0
Instructor excellent command of material	1.4	1.1	1.5	1.1	1.0	1.0
Grading fair	1.2	1.0	1.0	1.0	1.0	1.0
Instructor available outside class	1.0	1.0	1.0	1.0	1.0	1.0
Overall instructor excellent	1.0	1.1	1.3	1.0	1.0	1.0
I would recommend strongly to students	1.7	1.0	1.3	1.5	1.0	1.4

## SERVICE

- TU Student Dissertation Committee Member for Rachel Lapidus (2021), Felicitas Huber (2021)
- LIBR Diversity Training and Fellowship Subcommittee Member (2020-Present)
- Committee Member, Oxley College, University of Tulsa Faculty Development Summer Fellowship Program (2021)
- Committee Member, University of Tulsa Oxley College Research Excellence Award Committee (2019)
- Committee Member, University of Tulsa Undergraduate Research Challenge (TURC) Program (2019 - Present)
- CUNY Queens College Clinical Psychology Colloquium Series Organizer (2017-2018)
- Committee Member, CUNY Queens College ABA Clinical Assistant Professor job search (2016)
- Assistant to Director of Clinical Training, CUNY Graduate Center / Queens College Doctoral Program in Clinical Psychology (APA Accredited) (2016-Present)
- Training Area Coordinator, CUNY Graduate Center / Queens College Doctoral Program in Clinical Psychology (APA Accredited) (2015-2016)
- CUNY Graduate Center Psychology Research Day Poster Judge (2015, 2016)
- CUNY Graduate Center Psychology Admissions Committee Member (2015-2016)
- CUNY Graduate Center Working Group for Ph.D. Quantitative Training in the Social Sciences Member (2014-2015)
- CUNY Queens College Clinical Psychology Colloquium Series Organizer (2014-2015. 2017-2018)

## MENTORING

### Associate Director for Training and Mentoring (2018-Present)

#### Laureate Institute for Brain Research, Tulsa OK

- Holds grant writing workshops for graduate students and post-docs
- Reviews components of scientific manuscript writing
- Provides feedback on LIBR student/post-doc/staff/investigator poster presentations, manuscript drafts, internship essays, and fellowship/grant applications
- Creates tutorials on how to program in R statistical language
- Provides information on NARSAD, NIH K/NRSA and other grant opportunities

### Principal Investigator, Research on Anxiety, Addiction, and Depression Laboratory (2014-2018)

#### Queens College, City University of New York

<https://raadlabqc.wordpress.com/>

#### Lab Members who Earned Awards for Research Excellence:

- Elizabeth Espinal: Raphell Sims Lakowitz Foundation Undergraduate Research Award (\$1000, 2017)
- Seth MacDonald: Raphell Sims Lakowitz Foundation Undergraduate Research Award (\$1000, 2017)
- Mamona Butt: CUNY Queens College Vince Caputo Award (\$500, 2017)
- Aliza Schwartzblatt: CUNY Graduate Center Doctoral Student Research Grant (\$1500, 2016)
- Mamona Butt: Raphell Sims Lakowitz Foundation Undergraduate Research Award (\$1000, 2016)
- Chyna Haywood: Raphell Sims Lakowitz Foundation Undergraduate Research Award (\$1000, 2016)
- Natalia Coss: Raphell Sims Lakowitz Foundation Undergraduate Research Award (\$1000, 2015)

### Student Poster Presentations while at CUNY (2015-2018)

Blair, M. A., **Stewart, J. L.**, May, A. C., Reske, M., Tapert, S. F., & Paulus, M. P. (2018). Frontostriatal biomarkers predict stimulant and marijuana use. Presented at the annual meeting of Society for Biological Psychiatry, Manhattan, NY.

Herrera-Torres, L., MacDonald, S., **Stewart, J. L.** & Storbeck, J. (2018). Think faster with a warm left foot or a cold right foot: Emotional coherence facilitates response times. Presented at the annual Eastern Psychological Association conference, Philadelphia, PA.

Jacob, A. M., **Stewart, J. L.**, & Allen, J. J. B. (2018). EEG asymmetry during emotional challenge predicts future depressive symptoms. Presented at the annual meeting of Society for Biological Psychiatry, Manhattan, NY.

MacDonald, S., Herrera-Torres, L., **Stewart, J. L.**, May, A. C., & Paulus, M. P. (2017). Coping, body awareness, and stimulant craving as a function of recovery from methamphetamine dependence. Presented at the annual Eastern Psychological Association conference, Philadelphia, PA.

May, A. C., **Stewart, J. L.**, Infante, A. M., Jacobus, J., & Tapert, S. F. (2018). Does sipping count? Differences in impulsivity among youth with minimal exposure to alcohol. Presented at the 41<sup>st</sup> annual Research Society on Alcoholism conference, San Diego, CA.

Vila-Castelar, C., Ly, J. J., Kaplan, L., Van Dyk, K., Berger, J. T., Macina, L. O., **Stewart, J. L.**, & Foldi, N. S. (2018). Attention predicts long-term cognitive, functional and behavioral response to donepezil in Alzheimer's disease. Presented at the 46<sup>th</sup> International Neuropsychological Society annual meeting, Washington D.C.

Wylie, J., Chiu, S., **Stewart, J. L.**, & Storbeck, J. (2018). Do happy versus sad states influence biobehavioral markers of inhibition? Presented at the annual Social and Affective Neuroscience Society conference, Brooklyn, NY.

Blair, M. A., **Stewart, J. L.**, May, A. C., Reske, M., Tapert, S. F., & Paulus, M. P. (2017). Neural biomarkers predict problem stimulant use. Presented at the annual CUNY Graduate Center Psychology Research Day, Manhattan, NY.

Blair, M. A., **Stewart, J. L.**, May, A. C., Reske, M., Tapert, S. F., & Paulus, M. P. (2017). Neural biomarkers of risk and reward predict problem stimulant use. To be presented at the Society for Neuroscience annual meeting, Washington D.C.

Butt, M., Burchik, J., & **Stewart, J. L.** (2017). Neuroimaging trauma: Implications and future directions for the study of posttraumatic stress disorder. Presented at the Eastern Psychological Association annual meeting, Boston, MA.



- Haywood, C., **Stewart, J. L.**, Schwartzblatt, A., & Storbeck, J. (2017). Neural markers predicting performance during emotion and cognition interactions. Presented at the Eastern Psychological Association annual meeting, Boston, MA.
- May, A. C., **Stewart, J. L.**, Paulus, M. P., Davenport, P. W., & Tapert, S. F. (2017). Heightened interoceptive response to negatively valenced stimuli among alcohol-using adolescents is dampened when viewing substance cues. Presented at the 40th Research Society on Alcoholism annual meeting, Denver, CO.
- Migliorini, R., May, A. C., **Stewart, J. L.**, Paulus, M. P., & Tapert, S. F. (2017). Exaggerated aversive interoceptive processing in adolescent substance users: An early risk factor for addiction? Presented at the 45th International Neuropsychological Society annual meeting, New Orleans, LA.
- Schwartzblatt, A., Haywood, C., Coss, N., Dana, K., Storbeck, J., & **Stewart, J. L.** (2017). Emotion regulation style moderates frontal asymmetry to influence recovery from state emotions. Presented at the annual CUNY Graduate Center Psychology Research Day, Manhattan, NY.
- Schwartzblatt, A., Haywood, C., Coss, N., Dana, K., Storbeck, J., & **Stewart, J. L.** (2017). Emotion regulation style moderates frontal asymmetry to influence recovery from state emotions. Presented at the Eastern Psychological Association annual meeting, Boston, MA.
- Schwartzblatt, A., Haywood, C., Coss, N., Dana, K., Storbeck, J., & **Stewart, J. L.** (2017). Emotion regulation style moderates frontal asymmetry to influence recovery from state emotions. Presented at the Society for Affective Science annual meeting, Boston, MA.
- Stewart, J. L.**, May, A. C., Tapert, S. F., & Paulus, M. P. (2017). Methamphetamine users exhibit fronto-insular inflexibility during a cue reactivity paradigm involving an interoceptive stressor. Presented at the College on Problems of Drug Dependence annual meeting, Montreal, Canada.
- Vila-Castelar, C., Ly, J. J., Kaplan, L., Van Dyk, K., Gammada, E., Berger, J. T., Macina, L. O., **Stewart, J. L.**, & Foldi, N. S. (2017). Long-term cognitive effects of Donepezil treatment in patients with Alzheimer's disease: The role of attention. Presented at the 45th International Neuropsychological Society annual meeting, New Orleans, LA.
- Butt, M., **Stewart, J. L.**, Tapert, S. F., & Paulus, M. P. (2016). Neural differences in reward learning during transition to problem stimulant use. Presented at the annual conference of the Eastern Psychological Association, New York, NY.
- Butt, M., **Stewart, J. L.**, Tapert, S. F., & Paulus, M. P. (2016). Neural differences in reward learning during transition to problem stimulant use. Presented at the annual Psychology conference at CUNY Hunter College.
- Jones, E. A., Fienup, D. M., Neil, N., Fiani, T., **Stewart, J. L.**, McHugh, S., & Izquierdo, S. (2016). Building sibling relationships: The effects of sibling support on siblings and children with autism. Presented at the International Meeting for Autism Research annual meeting, Baltimore, MD.
- May, A. C., **Stewart, J. L.**, Davenport, P. W., Tapert, S. F., & Paulus, M. P. (2016). Methamphetamine dependence linked to interoceptive processing deficits during aversive breathing load. Presented at the annual conference of The College on Problems of Drug Dependence, Palm Springs, CA.
- Ramirez-Coombs, E., May, A. C., **Stewart, J. L.**, Tapert, S. F., & Paulus, M. P. (2016). Transition to problem stimulant use marked by amplified insular responding to pleasant interoceptive stimuli. Presented at the annual conference of The College on Problems of Drug Dependence, Palm Springs, CA.
- Ramirez-Coombs, E., May, A. C., **Stewart, J. L.**, Tapert, S. F., & Paulus, M. P. (2016). Transition to problem stimulant use marked by amplified insular responding to pleasant interoceptive stimuli. Presented at the annual CUNY Graduate Center Psychology Research Day, New York, NY.
- Schwartzblatt, A., Dana, K., Storbeck, J., & **Stewart, J. L.** (2016). Frontal electroencephalography (EEG) asymmetry as an endophenotype for depressive disorders and its relationship with emotion regulation. Presented at the annual CUNY Graduate Center Psychology Research Day, New York, NY.
- Vila-Castelar, C., Chandra, A., Kaplan, L., Ly, J. J., Van Dyk, K., Berger, J. T., Macina, L. O., **Stewart, J. L.**, & Foldi, N. S. (2016). Early predictors of response to donepezil in Alzheimer's Disease: sensitive attention measures of accuracy and variability predict future neuropsychiatric function. Presented at the 2016 International Neuropsychological Society Mid-Year Meeting, London, United Kingdom.

- Vila-Castelar, C., Ly, J. J., Kaplan, L., Van Dyk, K., Berger, J. T., Macina, L. O., **Stewart, J. L.**, & Foldi, N. S. (2016). Attentional Blink predicts treatment response to cholinesterase inhibitors in patients with AD: accuracy on a high load top-down task. To be presented at the International Neuropsychological Society, Boston, MA.
- Vila-Castelar, C., Ly, J. J., Kaplan, L., Van Dyk, K., Berger, J. T., Macina, L. O., **Stewart, J. L.**, & Foldi, N. S. (2016). Detecting response to Cholinergic treatment in AD after 6 week double-blind placebo controlled trial: sensitivity of attentional measures on accuracy, fatigue and variability. To be presented at the International Neuropsychological Society, Boston, MA.
- Yuan, M., **Stewart, J. L.**, Tapert, S. F., & Paulus, M. P. (2016). Neural differences in reward learning as a function of chronic methamphetamine use. Presented at the annual conference of the Eastern Psychological Association, New York, NY.
- Kais, L. A., Lee, C., Sass, S. M., **Stewart, J. L.**, Heller, W., Miller, G. A., & Siltan, R. L. (2015). Anxiety influences neural correlates of inhibitory control. Presented at the annual meeting of the International Neuropsychological Society, Denver, CO.
- Migliorini, R., May, A. C., **Stewart, J. L.**, Riley, E. P., Paulus, M. P., & Tapert, S. F. (2015). Interoceptive BOLD response to pleasant visceral stimuli is aberrant in subclinical adolescent substance users. Presented at the annual meeting of the Research Society on Alcoholism, San Antonio, TX.
- Schwartzblatt, A., Dana, K., Storbeck, J., **Stewart, J. L.** (2015). Frontal electroencephalography (EEG) asymmetry as an endophenotype for depressive disorders and its relationship with emotion regulation. Presented at the 19th Annual Nefesh International Conference, Hauppauge, NY.

#### **Student and Employee Mentoring (2010-2014)**

##### **Paulus Lab, Department of Psychiatry, University of California, San Diego**

- fMRI data analysis, poster presentations, and manuscript preparation
- Trained employees in research/statistical tools
- Trained research assistants, graduate students, and post-doctoral researchers on fMRI analysis using AFNI, R, and SPSS
- Taught study conceptualization, interpretation, and research writing

#### **Neuroscience Bootcamp Instructor/Coordinator (2010-2014)**

##### **Paulus Lab Course, Keck Imaging Center, University of California, San Diego**

- Organized yearly one-week fMRI data collection and analysis tutorial with first year UCSD Neuroscience graduate students
- Designed curriculum, presentations and scheduled speakers