

## CURRICULUM VITAE

# Constanza Inez C. de Dios

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Louis A. Faillace, MD, Department of Psychiatry and Behavioral Sciences  
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1941 East Road BBSB 1306  
Houston, Texas, 77054  
United States of America  
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## PRESENT TITLE

2023-Present Instructor (Non-Tenure Research)  
Louis A. Faillace, MD, Department of Psychiatry and Behavioral Sciences  
UTHealth McGovern Medical School  
University of Texas Health Science Center  
Houston, Texas

## EDUCATION

2016-2019 Ph.D. Psychology  
University of South Florida, Tampa, Florida  
Concentration: Cognition, Neuroscience, and Social Psychology

2013-2016 M.A. Psychology  
University of South Florida, Tampa, Florida  
Concentration: Cognition, Neuroscience, and Social Psychology

2008-2012 B.S. Psychology  
Saint Mary's College of California, Moraga, California  
Concentration: Experimental/Neuroscience Psychology  
Summa Cum Laude

## POSTGRADUATE TRAINING

2019-2023 Postdoctoral Research Fellow  
Center for Neurobehavioral Research on Addiction  
Mentors: Robert Suchting, PhD, Charles E. Green, PhD, Joy Schmitz, PhD,  
Scott D. Lane, PhD  
University of Texas Health Science Center  
Houston, Texas

## PUBLICATIONS

### Peer-Reviewed Original Journal Articles

#### In Press

1. **de Dios, C.**, Suchting, R., Green, C., Klugh, J.M., Harvin, J.A., Webber, H.E., Schmitz, J.M., Lane, S.D., Yoon, J.H., Heads, A., Motley, K., & Stotts, A. (2023). An opioid-minimizing multimodal pain regimen reduces opioid exposure and pain in trauma injured patients at high risk for opioid misuse:

Secondary analysis from the MAST trial. *Surgery*, 174(6), 1463-1470. PMID: 37839970. DOI: 10.1016/j.surg.2023.09.011.

2. Wardle, M.C., Hoots, J.K., Miloslavich, K., Nunez, C., **de Dios, C.**, Holden, C., Ahluwalia, A., Green, C.E., Lane, S.D., & Schmitz, J.M. (2023). Deficits in consummatory reward relate to severity of cocaine use. *Drug and Alcohol Dependence*, 249, 109950. PMID: 37301068. PMCID: PMC10405525. DOI: 10.1016/j.drugalcdep.2023.109950
3. Hong, J. H., **de Dios, C.**, Gilmore-Thomas, A., Lathan-Powell, E. C., Hamilton, J. E., & Heads, A. M. (2023). The association between potentially-traumatic events and cocaine, cannabis, and alcohol misuse differs by race. *Substance Use and Misuse*, 58(7), 889-899. PMID: 37085999. DOI: 10.1080/10826084.2023.2191699.
4. Webber, H. E., Yoon, J. H., **de Dios, C.**, Suchting, R., Dang, V., Versace, F., Green, C. E., Wardle, M. C., Lane, S. D., & Schmitz, J. M. (2022). Assessing cocaine motivational reward value: Comparison of brain reactivity bias toward cocaine cues and cocaine demand. *Experimental and Clinical Psychopharmacology*, 31(4), 861–867. PMID: 36480395. PMCID: PMC10247896. DOI: 10.1037/pha0000622.
5. Webber, H. E., **de Dios, C.**, Kessler, D.A., Schmitz, J.M., Lane, S.D., & Suchting, R. (2022). Late positive potential as a candidate biomarker of motivational relevance in substance use: Evidence from a meta-analysis. *Neuroscience and Biobehavioral Reviews*, 141. PMID: 36031010. DOI: 10.1016/j.neubiorev.2022.104835.
6. Selvaraj, S., Aggarwal, S., **de Dios, C.**, De Figueiredo, J., Sharrief, A.Z., Beauchamp, J., & Savitz, S.I. (2022). Predictors of suicidal ideation among acute stroke survivors. *Journal of Affective Disorders Reports*, 10, 100410. DOI: 10.1016/j.jadr.2022.100410.
7. Leung, E.\* , Lau, E. W.\* , Liang A.\* , **de Dios, C.**, Suchting, R., Ostlundh, L., Masdeu, J. C., Fujita, M., Sanches, M., Soares, J. C., & Selvaraj, S. (2022). Alterations in brain synaptic proteins and mRNAs in mood disorders: A systematic review and meta-analysis of postmortem brain studies. *Molecular Psychiatry*, 27(3), 1362-1372. PMID: 35022529. DOI: 10.1038/s41380-021-01410-9.
8. **de Dios, C.**, Fernandes, B. S., Whalen, K., Bandewar, S., Suchting, R., Weaver, M., & Selvaraj, S. (2021). Prescription fill patterns for benzodiazepines and opioid drugs during the COVID-19 pandemic in the United States. *Drug and Alcohol Dependence*, 229, 109176. PMID: 34808468. PMCID: PMC8595244. DOI: 10.1016/j.drugalcdep.2021.109176.
9. Suchting, R., Green, C.E., **de Dios, C.**, Vincent, J., Moeller, F.G., Lane, S.D., & Schmitz, J.M. (2021). Citalopram for treatment of cocaine use disorder: A Bayesian drop-the-loser randomized clinical trial. *Drug and Alcohol Dependence*, 228, 109054. PMID: 34600245. PMCID: PMC8595787. DOI: 10.1016/j.drugalcdep.2021.109054
10. Yoon, J., Suchting, R., **de Dios, C.**, Vincent, J., McKay, S., Lane, S., & Schmitz, J. (2021). Decreased cocaine demand following contingency management treatment. *Drug and Alcohol Dependence*, 226, 108883. PMID: 34198136. DOI: 10.1016/j.drugalcdep.2021.108883
11. Yammine, L., Green, C. E., Kosten, T. R., **de Dios, C.**, Suchting, R., Lane, S. D., Verrico, C. D., & Schmitz, J.M. (2021). Exenatide adjunct to nicotine patch facilitates smoking cessation and may reduce post-cessation weight gain: a pilot randomized controlled trial. *Nicotine and Tobacco Research*, 23(10), 1682-1690. PMID: 33831213. PMCID: PMC8517504. DOI: 10.1093/ntr/ntab066

12. Nakano, H., Rosario, M-A. M., & **de Dios, C.** (2021). Experience affects EEG event-related synchronization in dancers and nondancers while listening to preferred music. *Frontiers in Psychology*, 12, 611355. PMID: 33912101. PMCID: 8071982. DOI: 10.3389/fpsyg.2021.611355
13. **de Dios, C.**, Suchting, R., Webber, H. E., Yoon, J. H., Yammine, L., Vincent, J., Weaver, M. F., Stotts, A. L., Schmitz, J. M., & Lane, S. D. (2021). Cocaine-specific speed-accuracy trade-off during anti-saccade testing differentiates patients with cocaine use disorder who achieve initial abstinence during treatment. *Journal of Psychopharmacology*, 35(5), 611-614. PMID: 33586502. PMCID: 8480541. DOI: 10.1177/0269881121991566
14. Webber, H. E., **de Dios, C.**, Wardle M. C, Suchting R., Green C. E., Schmitz, J. M., Lane, S. D., & Versace, F. (2021). Electrophysiological responses to emotional and cocaine cues reveal individual neuroaffective profiles in cocaine users. *Experimental and Clinical Psychopharmacology*, 30(5), 514-524. PMID: 33630644. PMCID: 8406778. DOI: 10.1037/pha0000450.
15. Suchting, R., Tirumalajaru, V., Gareeb, R. M., Bockmann, T., **de Dios, C.**, Aickareth, J., Pinjari, O., Soares, J. C., Cowen P. J., & Selvaraj, S. (2021). Revisiting monoamine oxidase inhibitors for the treatment of depressive disorders: A systematic review and network meta-analysis. *Journal of Affective Disorders*, 282, 1153-1160. PMID: 33601690. DOI: 10.1016/j.jad.2021.01.021
16. Yoon, J. H., **de Dios, C.**, Suchting R., Vincent J. N., McKay S. A., Lane S. D., & Schmitz J. M. (2020). Initial development of a brief assessment of cocaine demand. *Behavioral Pharmacology*, 32(4), 351-355. PMID: 33394690. PMCID: 8119298. DOI:10.1097/fbp.0000000000000617
17. Hunt, C., Macedo, T., Suchting, R., **de Dios, C.**, Cuellar Leal, V. A., Soares, J. C., Dantzer, R., & Teixeira, A. (2020). Effect of immune activation on the kynurenine pathway and depression symptoms – a systematic review and meta-analysis. *Neuroscience and Biobehavioral Reviews*, 118, 514-523. PMID: 32853625. PMCID: 8087452. DOI: 10.1016/j.neubiorev.2020.08.010
18. Soder, H. E., **de Dios, C.**, & Potts, G. F. (2016). The role of the neural reward system in attention selection. *NeuroReport*, 27(10), 787-790. PMID: 27232519. DOI: 10.1097/wnr.0000000000000617

## Under Review

1. Heads, A.M., **de Dios, C.**, An, K., Yoon, J., Suchting, R., Gilmore-Thomas, A., & Schmitz, J.M. (Under Review). Interest in and willingness to use PrEP: A cross sectional study of individuals with problematic substance use residing in a high HIV prevalence jurisdiction.
2. **de Dios, C.**, Vij, R., Kim, H., Park, H., & Chang, D. (Under Review). Safety of multiple intravenous infusions of adipose-derived mesenchymal stem cells for hospitalized cases of COVID-19.
3. Webber, H.E., **de Dios, C.**, Kessler, D.A., Schmitz, J.M., Lane, S.D., & Suchting, R. (Under review). A meta-analysis of electrophysiological biomarkers of reward and error monitoring in substance misuse.
4. Kessler, D.A., Webber, H.E., **de Dios, C.**, Yoon, J.H., Schmitz, J.M., Lane, S.D., Harvin, J.A., Heads, A.M., Green, C.E., Kapoor, S., Stotts, A.L., & Suchting, R. (Under review). Opioid risk tool, in-hospital opioid exposure, and opioid demand predict pain outcomes following traumatic injury.

## Preprint Articles

- Hong, J.H., **de Dios, C.**, Badawi, J.C., Tonkin, S.S., Schmitz, J.M., Walss-Bass, C., Meyer, T.D. (2023). Types of traumatic experiences in drug overdose-related deaths: An exploratory latent class analysis. medRxiv. PMID: 3720551. PMCID: PMC10187323. DOI: 10.1101/2023.04.30.23289256.

## Book Chapters

1. Lane, S. D., Yoon, J. H., Heads, A. M., **de Dios, C.**, Yammine, L., Hong, J. H., Webber, H. E., Weaver, M. C., Schmitz, J. M., & Walss-Bass, C. (2023). Biomarkers of substance use disorders. In: A. L. Teixeira, N. P. Rocha, & M. Berk (Eds.), *Biomarkers in Neuropsychiatry: A Primer* (XX-XX). New York, NY: Springer Publishing.
2. Soder, H. E., Hoffman, J. L., **de Dios, C.**, & Webber, T. A. (2021). Best practices for studying addiction. In D. F. Ragin & J. P. Keenan (Eds.), *Handbook of research methods in health psychology* (73-86). New York NY & Abingdon, Oxon: Routledge. DOI: 10.4324/9780429488320-8.

**MyBibliography:** [ncbi.nlm.nih.gov/myncbi/constanza%20inez.de%20dios.1/bibliography/public/](https://ncbi.nlm.nih.gov/myncbi/constanza%20inez.de%20dios.1/bibliography/public/)

**ORCID:** [orcid.org/0000-0003-0230-5222](https://orcid.org/0000-0003-0230-5222)

## PRESENTATIONS

### Conference Presentations

(Presenter/s underlined)

1. Yammine, L., Suchting, R., **de Dios, C.**, Walss-Bass, C., Nielsen, D., Harding, M., Lane, S.D., Schmitz, J.M., & Green, C.E. (2024, March). GLP-1R Agonists for Smoking Cessation: A Potential Role of CHRNA5 Genotype. Society for Research on Nicotine and Tobacco 30<sup>th</sup> Annual Meeting, Edinburgh, Scotland.
2. Yammine, L., Suchting, R., **de Dios, C.**, Walss-Bass, C., Nielsen, D., Harding, M., Lane, S.D., Schmitz, J.M., & Green, C.E. (2024, March). Mitigation of Post-Smoking Cessation Weight Gain with GLP-1 Receptor Agonists May Depend on Genetic Variations of GLP-1 Receptor. Society for Research on Nicotine and Tobacco 30<sup>th</sup> Annual Meeting, Edinburgh, Scotland.
3. Calvillo, D., Webber H., Yoon, J., **de Dios, C.**, Suchting, R., Vincent, J., Dang, V., Ochaim, L., Versace, F., Green, C.E., Lane, S.D., Schmitz, J.M. (2023, September). The Late Positive Potential Predicts Changes in Drug Demand Over Treatment for Cocaine Use Disorder [Oral communication]. 63<sup>rd</sup> Meeting of the Society for Psychophysiological Research in New Orleans, LA, USA.
4. **de Dios, C.**, Suchting, R., Green, C., Klugh, J.M., Harvin, J.A., Webber, H.E., Schmitz, J.M., Lane, S.D., Yoon, J.H., Heads, A., Motley, K., & Stotts, A. (2022, September). *Reducing opioid exposure and pain in trauma patients at high risk for opioid misuse* [Poster session]. 81<sup>st</sup> Annual Meeting of the American Association for the Surgery of Trauma and Clinical Congress for Acute Care Surgery, Chicago, IL, USA.
5. Hong, J.H., **de Dios, C.**, Balderas, J.C., Tonkin, S.S., Suchting, R., Walss-Bass, C., & Meyer, T.D. (2022, June). *Types of traumatic experiences in drug overdose-related deaths: an exploratory latent class analysis* [Poster session]. College on Problems of Drug Dependence 84<sup>th</sup> Annual Meeting, Minneapolis, MN, USA.

6. Hong, J.H., **de Dios, C.**, Gilmore-Thomas, A., Lathan, E., Hamilton, J.E., & Heads, A.M. (2022, June). *The association between potentially-traumatic events and cocaine, cannabis, and alcohol use differs by race* [Poster session]. College on Problems of Drug Dependence 84<sup>th</sup> Annual Meeting, Minneapolis, MN, USA.
7. Webber, H.E., Yoon, J.H., **de Dios, C.**, Suchting, R., Green, C.E., Lane, S.D., Vincent, J., Dang, V., Wardle, M.C., Kyriotakis, G., Versace, F., & Schmitz, J.M. (2022, June). Brain reactivity bias toward drug versus pleasant cues is associated with drug demand in individuals with cocaine use disorder. In J.H. Yoon & G. Naudé (Chairs), *Behavioral Economics* [Symposium]. College on Problems of Drug Dependence 84<sup>th</sup> Annual Meeting, Minneapolis, MN, USA.
8. **de Dios, C.**, Schmitz, J.M., Lane, S.D., Suchting, R., Green, C.E., Kosten, T.R., Leidy, H.J., Verrico, C.D., & Yammine, L. (2022, March). A pilot trial of exenatide once-weekly adjunct to nicotine patch for smoking cessation and mitigation of post-cessation weight gain. In E. Herrmann (Chair), *Promising New Smoking Cessation Pharmacotherapies* [Symposium]. Society for Research on Nicotine and Tobacco 28<sup>th</sup> Annual Meeting, Baltimore, MD, USA.
9. Cohen, A. S., Potestas, J. A., Sha, N., Almohamad, M., Jeong, J., Buddha, M., Spellman, M.L., Schmitz, J., Stotts, A.L., Lane, S.D., **de Dios, C.**, Walss-Bass, C., Savitz, S., Green, C. & Sharrief, A. Z. (2022). Abstract TP206: Vascular risk factors and stimulant use among stroke patients. *Stroke*, 53(Suppl\_1), ATP206-ATP206. DOI: 10.1161/str.53.suppl\_1.TP206
10. Hong, J.H., **de Dios, C.**, Gilmore-Thomas, A., Lathan-Powell E.C., Hamilton, J.E., & Heads, A.M. (2021, July). *The association between potentially-traumatic events and cocaine, cannabis, and alcohol use differs by race* [Poster session]. 11th Annual Postdoctoral Science Symposium, Houston, Texas.
11. Webber, H. E., **de Dios, C.**, Kessler, D. A., Lane, S. D., Schmitz, J. M., & Suchting, R. (2021, October). *Error and reward processing in substance use disorders: evidence from a meta-analysis on event-related potentials* [Poster session]. 61<sup>st</sup> Meeting of the Society for Psychophysiological Research, Virtual.
12. Schmitz, J., Green, C., Suchting, R., **de Dios C.**, Vincent, J., Lane, S., & Moeller, F. G. (2021, June). Citalopram for treatment of cocaine use disorder: A Bayesian drop-the-loser randomized clinical trial. In *Stimulant Med Development* [Symposium]. College on Problems of Drug Dependence 83<sup>rd</sup> Annual Meeting, Virtual.
13. Cohen, A., Jeong, J., Hinojosa, E., Schmitz, J., Spellman, M., Lane, S.D., Stotts, A., Walss-Bass, C., **de Dios, C.**, Savitz, S., & Sharrief, A. (2021, June). *Assessing illicit drug use in the follow-up care of stroke survivors* [Poster session]. College on Problems of Drug Dependence 83<sup>rd</sup> Annual Meeting, Virtual.
14. **de Dios, C.**, Suchting, R., Soder, H., Yoon, J.H., Kessler, D., Kapoor, S., Stotts, A. L., Heads, A. M., Harvin, J. A., Green, C. E., Lane, S. D., Schmitz, J. M. (2020). *Identifying predictors of opioid misuse in adult trauma patients using a Bayesian data science approach*. Oral presentation given at University of Texas MD Anderson Cancer Center PostDoctoral Association, "10th Annual Postdoctoral Science Symposium" (first place, Applied Science). DigitalCommons@TMC, MD Anderson Cancer Center Postdoctoral Association, MD Anderson Cancer Center Postdoctoral Association Annual Postdoctoral Science Symposium Abstracts. Paper 3. [https://digitalcommons.library.tmc.edu/mda\\_postdoc\\_symabs/3](https://digitalcommons.library.tmc.edu/mda_postdoc_symabs/3)

15. Yammine, L., Green, C., Kosten, T. R., Suchting, R., **de Dios, C.**, Verrico, D., & Schmitz J. (2020, June). Pilot randomized controlled trial of exenatide combined with nicotine patch to promote smoking cessation and prevent weight gain. In *Late Breaking Presentation* [Talk]. College on Problems of Drug Dependence 82<sup>nd</sup> Annual Meeting, Virtual.
16. Soder, H. E., Kessler, D. A., McKay, S. A., Wardle, M. C., Suchting, R., **de Dios, C.**, Green, C. E., Lane, S. D., Schmitz, J. M., & Versace, F. (2020, October). *Electrophysiological individual differences to cocaine-related and other emotional stimuli in individuals with cocaine addiction* [Poster session]. 60<sup>th</sup> Meeting of the Society for Psychophysiological Research, Virtual.
17. **de Dios, C.**, Ford, S., & Potts, G. F. (2019, September). *Comparing reward and instructional relevance in target detection* [Poster session]. 59<sup>th</sup> Meeting of the Society for Psychophysiological Research in Washington DC, USA.
18. Soder, H. E., **de Dios, C.**, Akula, V. K., McDonald, R. V., & Potts, G. F. (2019, September). *Feedback-related negativity reflects unexpected presence or absence of emotional images* [Poster session]. 59<sup>th</sup> Meeting of the Society for Psychophysiological Research in Washington DC, USA.
19. **de Dios, C.** & Potts, G. F. (2018, October). *Learning to associate reward values with cues* [Poster session]. 58<sup>th</sup> Meeting of the Society for Psychophysiological Research in Quebec City, Quebec, Canada.
20. **de Dios, C.** & Potts, G. F. (2017, October). *Reward's impact on attention: Cue-like or target-like?* [Poster session]. 57<sup>th</sup> Meeting of the Society for Psychophysiological Research in Vienna, Austria.
21. Dell, J., **de Dios, C.**, Horner, C., Martinez, R., & O'Brien, J. (2017, October). *Value learning and early visual processing* [Poster session]. 57<sup>th</sup> Meeting of the Society for Psychophysiological Research in Vienna, Austria.
22. **de Dios, C.**, & Potts, G. F. (2016, September). *Does incentive salience direct early attention? An ERP investigation* [Poster session]. 56<sup>th</sup> Meeting of the Society for Psychophysiological Research in Minneapolis, MN, USA.
23. **de Dios, C.**, Horner, C., Martinez, R., & O'Brien, J. (2016). Can value learning modulate early visual processing? [Abstract] *Journal of Vision*, 16(89), DOI:10.1167/16.12.89.
24. **de Dios, C.** & Potts, G. F. (2016, April). *Incentive salience produces early attention allocation: An ERP investigation* [Poster session]. 23rd Cognitive Neuroscience Society Meeting in New York, NY, USA.
25. **de Dios, C.** & Potts, G. (2014, September). *The effect of error monitoring systems on spatial attention* [Poster session]. 54<sup>th</sup> Meeting of the Society for Psychophysiological Research in Atlanta, GA, USA.
26. Rosario, M.-A., Nakano, H., & **de Dios, C.** (2014, April). *Identifying an EEG spectral response to preferred music* [Poster session]. 21<sup>st</sup> Cognitive Neuroscience Society Meeting in Boston, MA, USA.
27. **de Dios, C.**, Wan, N. J. A., Rosario, M.-A. M., & Nakano, H. (2012, March). *Music processing in experienced dancers and non-dancers: An EEG spectral analysis* [Poster session]. 19<sup>th</sup> Cognitive Neuroscience Society Meeting in Chicago, IL, USA.

28. **de Dios, C.**, Wan, N. J. A., Rosario, M.-A. M., & Nakano, H. (2011, April). *Music processing in dancers and non-dancers: A preliminary EEG frequency analysis* [Poster session]. 41<sup>st</sup> Western Psychology Conference for Undergraduate Research at Saint Mary's College of California, Moraga, California, USA.

## GRANT AND CONTRACT SUPPORT

### Current

2023-2024	Identifying EEG signatures of cocaine use severity and initial cocaine abstinence Faillace Department of Psychiatry and Behavioral Sciences Seed Grant Funding Program FY2023-2024 PI: Constanza de Dios, PhD Role: Principal Investigator \$25,000 direct/year
2021-2024	A randomized, phase 2 clinical trial of HIF activator vadadustat for prevention or treatment of ARDS in hospitalized COVID-19 patients U.S. Department of Defense I W81XWH-21-10032 PI: Holger Eltzschig, PhD, & Bentley Bobrow, PhD Role: Co-Investigator I 0.86 cal \$2,994,147 direct/year
2021-2023	Assessment of pioglitazone to address stress reactivity and alcohol use disorder National Institute on Alcohol Abuse and Alcoholism I NIAAA R21 AA027274 PI: Jin Yoon, PhD Role: Co-investigator I 0.24 cal \$143,750 direct/year
2020-2024	Pioglitazone as an adjunct to CBT for cocaine relapse prevention National Institute on Drug Abuse I NIDA R01 DA048026 PIs: Joy Schmitz, PhD & Scott Lane, PhD Role: Co-investigator I 0.29 cal \$449,353 direct/year
2021-2024	Development and pilot testing of a mental health clinic-based PrEP uptake and adherence intervention for women in treatment for trauma-related conditions National Institute on Drug Abuse I NIDA R34 DA55496 PI: Angela Heads, PhD Role: Co-investigator I 0.17 cal \$150,000 direct/year
2021-2024	Development and pilot testing of an addiction clinic-based PrEP adherence intervention for women with substance use disorders Centers for Disease Control and Prevention I CDC U01 PS005209 PI: Angela Heads, PhD Role: Co-investigator I 0.29 cal \$220,573 direct/year
2022-2023	Hope Biosciences (Contract)

PI: Constanza de Dios, PhD  
Role: Statistical Design and Analysis Consultant I 1.98 cal  
\$12,000 direct/year

2018-2023      UT Homeless Outpatient Mental Health Expansion Services  
Substance Abuse and Mental Health Services Administration I SAMHSA  
H79SM080721  
PI: Jane Hamilton, PhD  
Role: Co-investigator I 3.36 cal  
\$ 500,000

### Completed

2021-2022      Removing Barriers to Effective HIV Prevention Strategies for Individuals with  
Problematic Substance Use Disorders  
NIH Texas Developmental Center for AIDS Research I  
Pilot Project for NIH P30AI161943  
PI: Angela Heads, PhD  
Role: Co-Investigator I 2.4 cal  
\$50,000 direct/year

### AWARDS

2023-2024      Recipient, Career Development and Research Excellence Mentorship  
Program in Psychiatry, UTHealth Faillace Department of Psychiatry and  
Behavioral Sciences  
(Funding toward project and training to aid early career development)  
Project Title: *Developing a prediction algorithm of aggressive events in a  
major psychiatry hospital*

2020              First Place, Oral Competition, Applied Science Division, 10<sup>th</sup> Annual  
Postdoctoral Science Symposium hosted by University of Texas MD Anderson  
Cancer Center Postdoctoral Association  
(Title: *Identifying predictors of opioid misuse in adult trauma patients using a  
Bayesian data science approach.*)

2014-2018      Conference Presentation Grant, University of South Florida  
(Grant to fund travel and presentation expenses in CNS and SPR  
conferences)

2012              Undergraduate Student Research and Professional Development Fund, Saint  
Mary's College of California  
(Grant to support completion and presentation of EEG study on music  
processing)

2012              Frederick Whelan Psychology Department Award, Saint Mary's College of  
California  
(Given to a graduating senior with an outstanding scholastic record as a  
psychology major)

2011              Summer Research Award



School of Science Summer Research Program, Saint Mary's College of California  
(Stipend and award to conduct own research under mentor's supervision)

## TEACHING

- 2018-2019     *Cognitive Psychology*  
Instructor of Record  
University of South Florida
- 2016-2017     *Physiological Psychology*  
Instructor of Record  
University of South Florida
- 2013-2018     *Research Methods in Psychology*  
Lab Instructor  
Instructors: Marina Bornovalova, Ph.D., William Sacco, Ph.D., Michael Brannick, Ph.D.  
University of South Florida
- 2014-2016     *Introduction to Psychological Science*  
Lab Instructor  
Instructors: Jane Noll, Ph.D., Jennifer Bosson, Ph.D., Alaina Talboy, M.A.  
(Online)  
University of South Florida
- 2015, 2018     *Cognitive Psychology*  
Teaching Assistant  
Instructor: Kenneth Malmberg, Ph.D. (Online)  
University of South Florida

## MENTORING ACTIVITIES

### Graduate Students

- 2021-2023     Sarah Tonkin, MA, Clinical Psychology Intern  
*HIV testing barriers among Black and Latina Women: An examination of medical mistrust, discrimination, and substance use*  
Role: Statistics Mentor  
UTHealth Faillace Department of Psychiatry and Behavioral Sciences
- 2021-2023     Jessica Badawi, MA, Clinical Psychology Intern  
*Types of traumatic experiences in drug overdose-related deaths*  
Role: Statistics Mentor  
UTHealth Faillace Department of Psychiatry and Behavioral Sciences
- 2021-2023     Danielle Kessler, BS  
*Late positive potential as a biomarker of motivational relevance in substance use: Evidence from a meta-analysis*  
Role: Statistics Mentor  
UTHealth Faillace Department of Psychiatry and Behavioral Sciences

2015-2016 Carlene Horner, BS  
Masters Thesis: *The effect of value learning on attentional resources during top-down processing: An ERP study*  
Role: Dissertation Committee Member (External Reviewer)  
University of South Florida

### Undergraduate Students

2019-2021 Kaitlin White  
*Feedback-related negativity responds to presence or absence of motivationally salient images regardless of valence*  
Role: Primary Mentor  
University of South Florida

2018-2019 Vamshi Akula  
Bachelors Thesis: *Medial frontal cortex responses to positive and negative emotion prediction*  
Role: Primary Mentor  
University of South Florida

2018 Joelle Castle  
Mark Zimmer  
*The effects of reward on attention: An investigation of reaction time and accuracy*  
Role: Primary Mentor  
University of South Florida

2018-2019 Steven Ford  
Bachelors Honors Thesis: *Independent Effects of Reward on Attention*  
Role: Primary Mentor  
University of South Florida

### SERVICE

2021- **Ad-hoc Reviewer**  
Drug and Alcohol Dependence, JAMA Network Open, Journal of Affective Disorders, Journal of Psychoactive Drugs, Nicotine and Tobacco Research

2017-2018 **Graduate Representative to the Executive Committee**  
Department of Psychology, University of South Florida

2015-2017 **Secretary and United Faculty of Florida Senator (Elected)**  
USF Graduate Assistants United, United Faculty of Florida

2014-2015 **Brown Bag Lecture Committee Co-Chair**  
Department of Psychology, University of South Florida

### PAST RESEARCH EXPERIENCE

2013-2019 **Graduate Research Assistant**  
Cognitive Electrophysiology and Clinical Neuroscience Lab  
PI: Geoffrey Potts, Ph.D.

Department of Psychology  
University of South Florida  
Tampa, Florida

- 2012-2013      **Research Assistant**  
Affective Cognitive Neuroscience Lab  
PI: Sonia Bishop, Ph.D.  
Department of Psychology  
University of California  
Berkeley, California
- 2010-2012      **Undergraduate Research Assistant**  
EEG Lab  
PI: Hiroko Nakano, Ph.D.  
Department of Psychology  
Saint Mary's College of California  
Moraga, California

## **TECHNICAL SKILLS**

Statistical Analyses: R (brms, rstan, lme4, poLCA, multinom, metafor, nnet, mgcv, tidyverse); Python (scikit-learn); SPSS

Signal Processing: EEGLAB (via MATLAB), Net Station

Experiment Design: E-Prime 2.0

Data Management: REDCap

## **PROFESSIONAL MEMBERSHIPS**

Cognitive Neuroscience Society

Society for Psychophysiological Research

Vision Sciences Society

Psi Chi Honor Society

American Psychological Association

Alpha Mu Gamma Foreign Language Honor Society