

CURRICULUM VITAE

Constanza Inez C. de Dios

Louis A. Faillace, MD, Department of Psychiatry and Behavioral Sciences
Behavioral and Biomedical Sciences Building
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. Webber, H.E., **de Dios, C.**, Kessler, D.A., Schmitz, J.M., Lane, S.D., & Suchting, R. (2024). A meta-analysis of electrophysiological biomarkers of reward and error monitoring in substance misuse. *Psychophysiology*, XX. PMID: 38238282. PMCID: XX. DOI: doi.org/10.1111/psyp.14515.

2. **de Dios, C.**, Vij, R., Kim, H., Park, H., & Chang, D. (2023). Safety of multiple intravenous infusions of adipose-derived mesenchymal stem cells for hospitalized cases of COVID-19: A randomized controlled trial. *Frontiers in Medicine*, 10, 1321303. PMID: 38188343. PMCID: PMC10770855. DOI: 10.3389/fmed.2023.1321303.
3. **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.
4. 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
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. **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.
11. 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

12. 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
13. 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
14. 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
15. **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
16. 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.
17. 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
18. 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
19. 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
20. 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

21. Vyas, V., Savitz, S. I., Boren, S. B., Becerril-Gaitan, A., Hasan, K., Suchting, R., **de Dios, C.**, Solberg, S., Chen, C-J., Sitton, C. W., Grotta, J., Aronowski, J., Gonzales, N., & Haque, M. E. (Under review). Serial diffusion tensor imaging and rate of ventricular blood clearance in patients with intraventricular hemorrhage.
22. 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.

23. 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* (291-328). 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/

ORCID: orcid.org/0000-0003-0230-5222

PRESENTATIONS

Conference Presentations

(Presenter/s underlined)

1. Pericot-Valverde, I., Yoon, J.H., & **de Dios, C.** (Submitted). *Associations across condom delay discounting and alcohol and drug use*. College on Problems of Drug Dependence 86th Annual Meeting, Montreal, Quebec, Canada.
2. Yoon, J.H., Lane, S.D., Schmitz, J.M., Haass-Koffler, C.L., Dang, V., Ochiam, L., Vincent, J.N., Suchting, R., & **de Dios, C.** (Submitted). *Effects of the social cold pressor task on stress reactivity and alcohol craving and demand*. College on Problems of Drug Dependence 86th Annual Meeting, Montreal, Quebec, Canada.
3. Sun, R., Ellis, S. J., **de Dios, C.**, Lane, S. D., Schmitz, J. M., & Wardle, M. C. (Submitted). All or nothing? *Associations between binary patterns in cocaine use and potential psychological mechanisms of use*. College on Problems of Drug Dependence 86th Annual Meeting, Montreal, Quebec, Canada.
4. 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 30th Annual Meeting, Edinburgh, Scotland.
5. 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 30th Annual Meeting, Edinburgh, Scotland.

6. 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]. 63rd Meeting of the Society for Psychophysiological Research in New Orleans, LA, USA.
7. **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]. 81st Annual Meeting of the American Association for the Surgery of Trauma and Clinical Congress for Acute Care Surgery, Chicago, IL, USA.
8. 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 84th Annual Meeting, Minneapolis, MN, USA.
9. 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 84th Annual Meeting, Minneapolis, MN, USA.
10. Webber, H.E., Yoon, J.H., **de Dios, C.**, Suchting, R., Green, C.E., Lane, S.D., Vincent, J., Dang, V., Wardle, M.C., Kypriotakis, 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 84th Annual Meeting, Minneapolis, MN, USA.
11. **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 28th Annual Meeting, Baltimore, MD, USA.
12. 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
13. 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.
14. 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]. 61st Meeting of the Society for Psychophysiological Research, Virtual.

15. 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 83rd Annual Meeting, Virtual.
16. 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 83rd Annual Meeting, Virtual.
17. **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
18. 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 82nd Annual Meeting, Virtual.
19. 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]. 60th Meeting of the Society for Psychophysiological Research, Virtual.
20. **de Dios, C.**, Ford, S., & Potts, G. F. (2019, September). *Comparing reward and instructional relevance in target detection* [Poster session]. 59th Meeting of the Society for Psychophysiological Research in Washington DC, USA.
21. 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]. 59th Meeting of the Society for Psychophysiological Research in Washington DC, USA.
22. **de Dios C.** & Potts, G. F. (2018, October). *Learning to associate reward values with cues* [Poster session]. 58th Meeting of the Society for Psychophysiological Research in Quebec City, Quebec, Canada.
23. **de Dios, C.** & Potts, G. F. (2017, October). *Reward's impact on attention: Cue-like or target-like?* [Poster session]. 57th Meeting of the Society for Psychophysiological Research in Vienna, Austria.
24. Dell, J., **de Dios C.**, Horner, C., Martinez, R., & O'Brien, J. (2017, October). *Value learning and early visual processing* [Poster session]. 57th Meeting of the Society for Psychophysiological Research in Vienna, Austria.
25. **de Dios, C.**, & Potts, G. F. (2016, September). *Does incentive salience direct early attention? An ERP investigation* [Poster session]. 56th Meeting of the Society for Psychophysiological Research in Minneapolis, MN, USA.

26. **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.
27. **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.
28. **de Dios, C.** & Potts, G. (2014, September). *The effect of error monitoring systems on spatial attention* [Poster session]. 54th Meeting of the Society for Psychophysiological Research in Atlanta, GA, USA.
29. **Rosario, M.-A., Nakano, H., & de Dios, C.** (2014, April). *Identifying an EEG spectral response to preferred music* [Poster session]. 21st Cognitive Neuroscience Society Meeting in Boston, MA, USA.
30. **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]. 19th Cognitive Neuroscience Society Meeting in Chicago, IL, USA.
31. **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]. 41st 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
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 | NIDA R34 DA55496
PI: Angela Heads, PhD
Role: Co-investigator | 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 | CDC U01 PS005209
PI: Angela Heads, PhD
Role: Co-investigator | 0.29 cal
\$220,573 direct/year

Completed

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

2021-2023 Assessment of pioglitazone to address stress reactivity and alcohol use disorder
National Institute on Alcohol Abuse and Alcoholism | NIAAA R21 AA027274
PI: Jin Yoon, PhD
Role: Co-investigator | 0.24 cal
\$143,750 direct/year

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

2022-2023 Hope Biosciences (Contract)
PI: Constanza de Dios, PhD
Role: Statistical Design and Analysis Consultant | 1.98 cal
\$12,000 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, 10th 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

