

CURRICULUM VITAE

Constanza Inez C. de Dios

ADDRESS

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PRESENT TITLE

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

CITIZENSHIP

United States of America

UNDERGRADUATE EDUCATION

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

GRADUATE EDUCATION

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

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

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

(Listed with oldest at beginning) | ^ Shared authorship

In Press

1. 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
2. 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
3. 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
4. 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
5. 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.
6. **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
7. 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
8. 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
9. 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
10. 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
11. **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.
12. 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.
13. 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.
14. 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.

15. 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.
16. 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.
17. 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
18. **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. PMCID: PMC10836717. DOI: 10.1016/j.surg.2023.09.011.
19. **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.
20. 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*, 61(5), e14515. PMID: 38238282. DOI: doi.org/10.1111/psyp.14515.
21. 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., Motley, K. L., & Suchting, R. (2024). Opioid risk tool, in-hospital opioid exposure, and opioid demand predict pain outcomes following traumatic injury. *Journal of Health Psychology*, 29(7), 680-689. PMID: 38641873. DOI: 10.1177/13591053241242543.
22. Heads, A.M., **de Dios, C.**, An, K., Yoon, J., Suchting, R., Gilmore-Thomas, A., & Schmitz, J.M. (2024). Interest in and willingness to use PrEP: A cross sectional study of individuals with problematic substance use residing in a high HIV prevalence jurisdiction. *Archives of Sexual Behavior*. PMID: 39020242. DOI: 10.1007/s10508-024-02936-z.
23. 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. (2024). Serial diffusion tensor imaging and rate of ventricular blood clearance in patients with intraventricular hemorrhage. *Neurocritical Care*. PMID: 39085503. DOI: 10.1007/s12028-024-02070-7.
24. Nunez, C., Yoon, J.H., **de Dios, C.**, Dang, V., Lane, S.D., Vincent, J.N., Schmitz, J.M., & Wardle, M.C. (Accepted). Undervaluing non-drug rewards or overvaluing cocaine? Cocaine demand relates to cocaine use severity more strongly than anhedonia in individuals with cocaine use disorder. *Experimental and Clinical Psychopharmacology*. PMID: XX. DOI: XX.

Preprint Articles

1. Heads, A.M., Santa Maria, D., Hill, M.J., Suchting, R., Evans, K.N., Gaul, Z., Yammine, L., Schmitz, J.M., & **de Dios, C.** (2024). Development and Pilot Testing of an Addiction Clinic-Based PrEP Uptake and Adherence Intervention for Women with Substance Use Disorders: A Protocol for a Pilot Randomized Trial. *JMIR Preprints*. 31/07/2024:64961. DOI: 10.2196/preprints.64961. URL: <https://preprints.jmir.org/preprint/64961>

- 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

- 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.
- 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

(Presenter/s underlined) | *Abstract presented at meeting

- 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.
- 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.
- 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.
- 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.
- 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.
- ***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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

13. 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.
14. 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.
15. **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
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. 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.
18. 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.
19. 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.
20. *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
21. **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.
22. 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.
23. 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.
24. 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.

25. **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.
26. **Calvillo, D.**, Webber H., Yoon, J., **de Dios, C.**, Suchting, R., Vincent, J., Dang, V., Ochiam, 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.
27. **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* [Poster session]. Society for Research on Nicotine and Tobacco 30th Annual Meeting, Edinburgh, Scotland.
28. **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* [Poster session]. Society for Research on Nicotine and Tobacco 30th Annual Meeting, Edinburgh, Scotland.
29. **Sun, R.**, Ellis, S. J., **de Dios, C.**, Lane, S. D., Schmitz, J. M., & Wardle, M. C. (2024, June). *All or nothing? Associations between binary patterns in cocaine use and potential psychological mechanisms of use* [Poster session]. College on Problems of Drug Dependence 86th Annual Meeting, Montreal, Quebec, Canada.
30. **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.** (2024, June). *Effects of the social cold pressor task on stress reactivity and alcohol craving and demand* [Poster session]. College on Problems of Drug Dependence 86th Annual Meeting, Montreal, Quebec, Canada.
31. **Pericot-Valverde, I.**, Yoon, J.H., **de Dios, C.**, Voss, S., Chopade, C., Allen, C., Neal, H., Cahill, R., Garcia, Y., Ortiz, V., Dang, V., & Ochiam, L. (2024, June). *Associations across condom delay discounting and alcohol and drug use* [Poster session]. College on Problems of Drug Dependence 86th Annual Meeting, Montreal, Quebec, Canada.
32. **Calvillo, D.**, Webber H., Yoon, J., **de Dios, C.**, Suchting, R., Vincent, J., Dang, V., Ochiam, L., Versace, F., Green, C.E., Lane, S.D., & Schmitz, J.M. (2024, June). *The Late Positive Potential Predicts Cocaine Use Disorder Treatment Response* [Poster session]. 63rd Meeting of the Society for Psychophysiological Research in New Orleans, LA, USA.
33. **de Dios, C.**, Suchting, R., Green, C.E., & Lane, S.D. (2024, August). *Using variable selection methods to predict inpatient aggressive events during initial hospital visits in a large psychiatric facility* [Poster session]. 2024 UTHealth Annual Behavioral Health Research Day in Houston, TX, USA.

CURRENT GRANT SUPPORT

2020-2025 (NCE)	Pioglitazone as an adjunct to CBT for cocaine relapse prevention National Institute on Drug Abuse NIDA R01 DA048026 PIs: Joy Schmitz, PhD & Scott Lane, PhD Role: Co-investigator 0.29 cal \$2,527,859 total \$449,353 direct/year
2021-2025 (NCE)	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 DA055496 PI: Angela Heads, PhD & Ronald Acierno, PhD Role: Co-investigator 0.17 cal \$702,000 total \$150,000 direct/year

2021-2025 (NCE)	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 \$762,095 total \$350,000 direct/year
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 total
2024-2025	Prevention of Hemorrhagic Shock-induced Acute Kidney Injury by Targeting Hypoxia-sensitive ATP4A with Pantoprazole: A Prospective Randomized Controlled Trial University of Texas Trauma Research and Combat Casualty Care Collaborative PI: Yafen Liang, MD Role: Collaborator 1.56 cal \$500,000 total

PAST GRANT AND CONTRACT SUPPORT

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 total
2021-2024	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 \$409,500 total \$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 \$2,499,949 total \$500,000 direct/year
2022-2023	Hope Biosciences (Contract) PI: Constanza de Dios, PhD Role: Statistical Design and Analysis Consultant 1.98 cal \$19,032 total

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 | W81XWH-21-10032
 PI: Holger Eltzschig, MD, PhD, & Bentley Bobrow, PhD
 Role: Co-Investigator | 0.86 cal
 \$2,994,147 direct/year

HONORS AND AWARDS

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)

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)

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)

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

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.*)

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*

TEACHING

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	<i>Cognitive Psychology</i> Teaching Assistant Instructor: Kenneth Malmberg, Ph.D. (Online) University of South Florida
2016-2017	<i>Physiological Psychology</i> Instructor of Record University of South Florida
2018-2019	<i>Cognitive Psychology</i> Instructor of Record University of South Florida

MENTORING

Graduate Students

2015-2016	Carlene Horner, BS Masters Thesis: <i>The effect of value learning on attentional resources during top-down processing: An ERP study</i> Role: Dissertation Committee Member (External Reviewer) University of South Florida
2021-2023	Danielle Kessler, BS <i>Late positive potential as a biomarker of motivational relevance in substance use: Evidence from a meta-analysis</i> Role: Statistics Advisor UTHealth Faillace Department of Psychiatry and Behavioral Sciences
2021-2023	Jessica Badawi, MA, Clinical Psychology Intern <i>Types of traumatic experiences in drug overdose-related deaths</i> Role: Statistics Advisor UTHealth Faillace Department of Psychiatry and Behavioral Sciences
2021-2023	Sarah Tonkin, MA, Clinical Psychology Intern <i>HIV testing barriers among Black and Latina Women: An examination of medical mistrust, discrimination, and substance use</i> Role: Statistics Advisor UTHealth Faillace Department of Psychiatry and Behavioral Sciences

Undergraduate Students

2018	Joelle Castle Mark Zimmer <i>The effects of reward on attention: An investigation of reaction time and accuracy</i> Role: Primary Mentor University of South Florida
2018-2019	Steven Ford Bachelors Honors Thesis: <i>Independent Effects of Reward on Attention</i> 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
- 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

SERVICE

- 2014-2015 **Brown Bag Lecture Committee Co-Chair**
 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
- 2017-2018 **Graduate Representative to the Executive Committee**
 Department of Psychology, University of South Florida
- 2021- **Ad-hoc Reviewer**
 BMJ Open, Drug and Alcohol Dependence, JAMA Network Open,
 Journal of Affective Disorders, Journal of Psychoactive Drugs,
 Nicotine and Tobacco Research

PROFESSIONAL ORGANIZATIONS

Cognitive Neuroscience Society
 Society for Psychophysiological Research
 Vision Sciences Society
 Psi Chi Honor Society
 American Psychological Association