

CURRICULUM VITAE

Constanza Inez C. de Dios

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PRESENT TITLE

2019-Present **Postdoctoral Research Fellow**
Center for Neurobehavioral Research on Addiction
Louis A. Faillace, MD, Department of Psychiatry and Behavioral Sciences
UTHealth McGovern Medical School
University of Texas Health Science Center
Houston, TX

EDUCATION

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

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

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

PUBLICATIONS

Peer-Reviewed Original Journal Articles

de Dios, C., Fernandes, B. S., Whalen, K., Bandewar, S., Huynh, T., Soares, J. C., & Selvaraj, S.
Prescription fill patterns for benzodiazepines during the early stages of COVID-19
pandemic in the United States. *Submitted, 2020.*

Huynh, T., Paim Diaz, A., **de Dios, C.**, Mwangi, B., Soares, J., & Selvaraj, S. Internet search trends
for suicide during the COVID-19 pandemic. *Submitted, 2020.*

- Suchting, R., Tirumalajaru, V., Gareeb, R. M., Bockmann, T., **de Dios, C.**, Aickareth, J., Pinjari, O., Soares, J. C., Cowen P. J., & Selvaraj, S. Revisiting monoamine oxidase inhibitors for the treatment of depressive disorders: A systematic review and network meta-analysis. *Under review*, 2020.
- 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 using a weekend time parameter. *Behavioral Psychopharmacology*, *accepted*.
- Webber, H. E., **de Dios, C.**, Wardle M. C, Suchting R., Green C. E., Schmitz, J. M., Lane, S. D., & Versace, F. (In Press). Electrophysiological responses to emotional and cocaine cues reveal individual neuroaffective profiles in cocaine users. *Experimental and Clinical Psychopharmacology*.
- Yammine, L., Green, C. E., Kosten, T. R., Suchting, R., **de Dios, C.**, Lane, S. D., Verrico, C. D., & Schmitz, J.M. Exenatide adjunct to nicotine patch facilitates smoking cessation and may reduce post-cessation weight gain: a pilot randomized controlled trial. *Under review*, 2020.
- 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. Speed-accuracy trade-off during anti-saccade testing differentiates patients with cocaine use disorder who achieve initial treatment abstinence. *Under review*, 2020.
- Nakano, H., Rosario, M-A. M, & **de Dios, C.** Extended time development of posterior alpha EEG in dancers reflects functional inhibition. *Under review*, 2020.
- 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. <https://doi.org/10.1016/j.neubiorev.2020.08.010>
- 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. [10.1097/wnr.0000000000000617](https://doi.org/10.1097/wnr.0000000000000617)

Book Chapters

- Soder HE, Hoffman JL, **de Dios C**, Webber TA (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.

PRESENTATIONS

Conference Presentations

- 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*. Talk presented at College on Problems of Drug Dependence Annual Meeting, Virtual.

- 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 presented at the 60th Meeting of the Society for Psychophysiological Research, Virtual.
- de Dios, C.**, Ford, S., & Potts, G. F. (2019, September). *Comparing reward and instructional relevance in target detection*. Poster presented at the 59th Meeting of the Society for Psychophysiological Research in Washington DC, USA.
- 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 presented at the 59th Meeting of the Society for Psychophysiological Research in Washington DC, USA.
- de Dios C.** & Potts, G. F. (2018, October). *Learning to associate reward values with cues*. Poster presented at the 58th Meeting of the Society for Psychophysiological Research in Quebec City, Quebec, Canada.
- de Dios, C.** & Potts, G. F. (2017, October). *Reward's impact on attention: Cue-like or target-like?* Poster presented at the 57th Meeting of the Society for Psychophysiological Research in Vienna, Austria.
- Dell, J., **de Dios C.**, Horner, C., Martinez, R., & O'Brien, J. (2017, October). *Value learning and early visual processing*. Poster presented at the 57th Meeting of the Society for Psychophysiological Research in Vienna, Austria.
- de Dios, C.**, & Potts, G. F. (2016, September). *Does incentive salience direct early attention? An ERP investigation*. Poster presented at the 56th Meeting of the Society for Psychophysiological Research in Minneapolis, MN, 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, April). *Incentive salience produces early attention allocation: An ERP investigation*. Poster presented at the 23rd Cognitive Neuroscience Society Meeting in New York, NY, USA.
- de Dios, C.** & Potts, G. (2014, September). *The effect of error monitoring systems on spatial attention*. Poster presented at the 54th Meeting of the Society for Psychophysiological Research in Atlanta, GA, USA.
- Rosario, M.-A., Nakano, H., & **de Dios, C.** (2014, April). *Identifying an EEG spectral response to preferred music*. Poster presented at the 21st Cognitive Neuroscience Society Meeting in Boston, MA, 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 presented at the 19th Cognitive Neuroscience Society Meeting in Chicago, IL, USA.

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 presented at the 41st Western Psychology Conference for Undergraduate Research at Saint Mary's College of California, USA.

GRANTS AND AWARDS

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| 2020 | 1 st place, Oral Competition - Applied Science Division, 10 th Annual Postdoctoral Science Symposium, University of Texas MD Anderson Cancer Center
(Title: <i>Identifying predictors of opioid misuse in adult trauma patients using a Bayesian data science approach</i>) |
| 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

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

2015, 2018 **Cognitive Psychology** (Teaching Assistant)
USF
Instructor: Kenneth Malmberg, Ph.D. (Online)

MENTORING

2018-2019 Vamshi Akula, Bachelors Thesis, USF
Medial frontal cortex responses to positive and negative emotion prediction

2018 Joelle Castle & Mark Zimmer, Psych Expo 2018, USF
The Effects of Reward on Attention: An Investigation of Reaction Time and Accuracy

2018-2019 Steven Ford, Bachelors Honors Thesis, USF
Independent Effects of Reward on Attention

2015-2016 Carlene Horner, Masters Thesis, USF
*The Effect of Value Learning on Attentional Resources
During Top-Down Processing: An ERP Study*

ANALYTICS SKILLS

R
MATLAB, Python, SPSS
EEGLAB, Net Station, E-Prime

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

SERVICE

2017-2018 **Graduate Representative to the Executive Committee**
Department of Psychology, USF

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

2014-2015 **Brown Bag Committee Co-Chair**
Department of Psychology, USF