Eliany Perez

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University of Florida Department of Psychology

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In progress

RESEARCH INTERESTS

M.S., University of Florida

Decision making, Spatial navigation, Cognition, fMRI, Aging, Computational modeling

EDUCATION

Aug 2017
Aug 2017
Summer 2022
Summer 2022
Spring 2022
Spring 2021
Spring 2021
2020-Present
Spring 2020
2013-2017
2013-2017

PROFESSIONAL APPOINTMENTS AND RESEARCH EXPERIENCE

Ph.D Student 2020-Present Advisor: Steven Weisberg, Ph.D Spatial Cognition and Navigational Neuroscience Lab University of Florida, Gainesville, FL **Lab Manager & Study Coordinator** 2017-2020 Social Cognitive and Affective Development Lab University of Florida, Gainesville, FL Lab Principal Investigator: Natalie Ebner, Ph.D **Postbaccalaureate** 2019-2020 Brain Cognition and Development Lab University of Florida, Gainesville, FL Lab Principal Investigator: Lisa Scott, Ph.D **Postbaccalaureate** 2019-2020 Center for the Study of Emotion and Attention (CSEA) University of Florida, Gainesville, FL Lab Principal Investigator: Andreas Keil, Ph.D. **Case Management Intern** 2016-2017 Child Advocacy Center Gainesville, USA Volunteer 2015-2016 Child Advocacy Center Gainesville, USA 2014-2017 **Volunteer (Pediatrics Department)** UF Health Shands Hospital Gainesville, USA

PUBLICATIONS: JOURNAL ARTICLES AND BOOK CHAPTERS

ARTICLES

Perez, E., Frazier, I., Lighthall, Lin, T., & Ebner, N.C. (under review). The Social Iowa Gambling Task (S-IGT): A Novel Paradigm for Investigating Trust Learning and Decision Making.

Perez E., Weisberg, S.M. (Stage 1 RR accepted). The role of risk tolerance in navigation strategy decisions.

Pehlivanoglu, D., Lighthall, N. R., Lin, T., Chi, K., Polk, R., **Perez, E.**, Cahill, B. S., & Ebner, N. C. (2022). Aging in an "infodemic": The role of analytical reasoning, affect, and news consumption frequency on news veracity detection. *Journal of Experimental Psychology: Applied.*

Valdés-Hernández, P.A., Polk, R., Horta, M., Frazier, I., **Perez, E.**, Ojeda, M., Porges, E., Cruz-Almeida, Y., Feifel, D., Ebner, N.C. (2021). Chronic oxytocin administration in older men modulates functional connectivity during animacy perception. *Aging Brain*.

Rung, J.M., Horta, M., Tammi, E.M., **Perez, E.**, Ojeda, M., Lin, T., Harris, G., Somerville, J., Salmeron, D., Sandesara, B., Feifel, D., Ebner, N.C. (2021). Safety and side effects of chronic intranasal oxytocin in older men. *Psychopharmacology*.

Frazier, I., Lighthall, N. R., Horta, M., **Perez, E.,** & Ebner, N.C. (2019). CISDA: Changes in integration for social decisions in aging. *WIREs Cognitive Science*.

Lin, T., Liu, G.A., **Perez, E.**, Rainer, R., Febo, M., Cruz-Almeida, Y., & Ebner, N. C. (2018). Systemic inflammation mediates age-related cognitive deficits [Research topic] *Frontiers in Aging Neuroscience*.

Oliveira, D., Lin, T., Rahman, M., Akefirad, R., Ellis, D., **Perez, E.**, Bobhate, R., DeLong, L., Cappos, J., Brun, Y., Ebner, N. C. (2018). API Blindspots: Why experienced developers write vulnerable code. *SOUPS'18: Symposium on Usable Privacy and Security.*

CHAPTERS

Perez E., Weisberg, S.M. (under review). Individual differences in spatial navigation.

CONFERENCE PRESENTATIONS

Perez, E., Kunath, J., Barnas, A. J., Boogaart, Z., Ebner, N. C., & Weisberg, S. M. (June 2022). *Neural correlates of strategy shifts in navigation behavior.* Poster presentation. Interdisciplinary Navigation Symposium (virtual).

Perez, E., Kunath, J., Barnas, A. J., Boogaart, Z., Ebner, N. C., & Weisberg, S. M. (May 2022). *Neural correlates of strategy shifts in navigation behavior.* Data Blitz. Florida Consortium on the Neurobiology of Cognition, Tallahassee, FL, USA.

Pehlivanoglu, D., Lin, T., Chi, K., **Perez, E.,** Polk, R., Cahill, B. S., Lighthall, N. R., & Ebner, N. C. (August 2021). *Aging in an "Infodemic": Susceptibility to Fake News During COVID-19.* Poster presentation. The American Psychological Association Annual Convention (virtual).

Perez, E. & Weisberg, S.M. (March 2021). *The road less traveled: Neural and behavioral correlations between risk-taking and spatial navigation strategy choice.* Poster presentation. Cognitive Neuroscience (virtual).

Frazier, I., Lighthall, N., **Perez, E.,** Ebner, N.C. (April 2020). *Face forward: Age differences in decisions to trust during a social version of the lowa Gambling Task.* Cognitive Aging Conference, Atlanta, GA, USA.

Perez, E., Lighthall, N., Frazier, I., Ebner, N.C. (March 2020). *Face forward: Age differences in decisions to trust during a social version of the Iowa Gambling Task.* Oral presentation. Scientific Research Network on Decision Neuroscience & Aging, Honolulu, Hawaii, USA.

Valdes-Hernandez, P.A., Horta, M., Frazier, I., Porges, E.C., Polk, R., **Perez, E.**, Ojeda, M., CruzAlmeida, Y., Morris, J.P., Feifel, D., & Ebner, N. C. (October 2019). Chronic oxytocin administration in older men modulates functional connectivity of the posterior superior temporal sulcus during social perception. Nanosymposium Oral Presentation. Society for Neuroscience, Chicago, Illinois.

Perez, E., Månsson, K. N. T., Lin, T., Lussier, D., Horta, M., Frazier, Liu, P., Weir, D., Feifel, D.,

Fischer, H., Ebner, N. C. (June, 2019). *Neuroplasticity and Cognitive Benefits Associated with Chronic Intranasal Oxytocin in Aging*. Poster presentation. Institute on Aging Day, Gainesville, FL, USA.

Lussier, D., Hayes, R., Horta, M., Lin, T., Frazier, I., Weir, D., **Perez, E.**, Feifel, D., Månsson, K. N. T., Fischer, H., & Ebner, N. C. (June, 2018). *Four-week intranasal oxytocin vs placebo administration modulation of amygdala and accumbens volume.* Poster presentation. Annual Meeting of the Organization for Human Brain Mapping, Singapore.

Liu, G. A., Lin, T., Rainer, R., **Perez, E.**, Burns, P., Anton, S. D., Febo, M., Cruz-Almeida, Y. & Ebner, N. C. (May, 2018). *Systemic inflammation mediates age-related cognitive decline*. Poster presentation. Cognitive Aging Conference, Atlanta, GA, USA.

Liu, G. A., Lin, T., Rainer, R., **Perez, E.**, Burns, P., Anton, S. D., Febo, M., Cruz-Almeida, Y., & Ebner, N. C. (March, 2018). *Systemic inflammation mediates age-related cognitive decline*. Poster presentation. The 8th Annual North Central Florida Chapter of the Society for Neuroscience Conference, Gainesville, FL, USA.

Rahman, M. S., Lin, T., Akefirad, R., Ellis, D., **Perez, E.**, Delong, L. A., Cappos, J., Brun, Y., & Ebner, N. C., & Oliveira, D. (March, 2018). *API blindspots: Why experienced developers write vulnerable code.* Poster presentation. 2018 FICS Conference on Cybersecurity, Gainesville, FL, USA.

Liu, G. A., Lin, T., Rainer, R., **Perez, E.**, Burns, P., Anton, S. D., Febo, M., Cruz-Almeida, Y., & Ebner, N. C. (February 2018). *Systemic inflammation mediates age-related cognitive decline*. Poster presentation. ILR Student Research on Aging Exposition, Gainesville, FL, USA.

CONFERENCE ATTENDANCE

Latinos and Alzheimer's Symposium	April 25-26, 2022
Cognitive Neuroscience Society (CNS)	Mar 13-16, 2021
iNAV Interdisciplinary Navigation Symposium	Oct 5-7, 2020
Scientific Research Network on Decision Neuroscience & Aging (SRNDNA)	Mar 8-9, 2020
ADDITIONAL TRAINING AND WORKSHOP ATTENDANCE	
Dynamic Models of Decision-Making University of Florida, Gainesville, FL Instructed by Dr. Peter Kvam	Fall, 2022
Neuromatch Academy 2021: Summer School in Computational Neuroscience	Summer, 2021
Bayesian Statistics Workshop University of Florida, Gainesville, FL Instructed by Dr. Peter Kvam	Summer, 2020
Neurohackademy 2020: Summer School in Neuroimaging and Data Science	Summer, 2020
Mini ERP Boot Camp	Fall, 2018

TEACHING EXPERIENCE

Graduate Teaching Assistant

Fall 2022

University of Florida, Department of Psychology

Advisor: Dr. Lori Knackstedt Course: Behavioral Neuroscience

Graduate Teaching Assistant

Spring 2021

University of Florida, Department of Psychology

Advisor: Dr. Neil Rowland

Course: Psychology of Learning and Memory

Graduate Teaching Assistant

Fall 2021

University of Florida, Department of Psychology

Advisor: Dr. Brian Cahill Course: Cognitive Psychology

Undergraduate students and post bacs directly supervised: Madison Dobreff, Brandi Reynolds, Gerrica Lamothe,

Jeffrey Kunath, Merrill Garlington, Lachyn Almazova

Professional Affiliations

Scientific Research Network on Decision Neuroscience & Aging

Society for Neuroscience

Association for Psychological Science

Service

Mentored Journal Reviews

Journal of Neuroscience

Fall 2021

Professional Service

Machen Florida Opportunity Scholars Graduate School Panel

February 24th, 2022

Invited Panelist

Provided insight and advice about graduate school to first generation undergraduate students.

North Central Florida Society for Neuroscience Chapter

Fall 2021 - Spring 2022

Brain Awareness Week Chair

North Central Florida Society for Neuroscience Conference

January 28, 2022

Volunteer

North Central Florida Society for Neuroscience Chapter

Fall 2020 - Spring 2021

Brain Awareness Week Vice Chair

Diversity Week: Health and Medicine Symposium *Judge*

April 8, 2021

North Central Florida Society for Neuroscience Conference Moderator February 19, 2021

Skills

Methodological and analysis training:

- EEG/ERP
- Eye tracking (Eyelink1000 system, Positive Science dual eye-tracking system)
- fMRI

Statistical packages:

R/R Studio, SPSS, Jasp, Jamovi

Computational experience:

- Coding languages: R/Rstudio, Bash shell scripting, MATLAB, Python, Java
- Analysis software: PsychoPy, EEGLAB, EMEGS, ERPLAB, FSL, fMRIprep, Conn, MRIQC, Freesurfer
- Data management: R/Rstudio, HPC, Jupyter Lab/Jupyter notebook, MobaXterm

Experimental environments and cognitive testing experience:

- Physical and cognitive measure administration: Audio Editing and analysis (Audacity), California Verbal Learning Test (CVLT), FrACT, NIH toolbox, TICS, Test for Auditory Processing Disorders (SCAN-3)
- Questionnaire creation and administration: Qualtrics, RedCap

Languages:

English (proficient) Spanish (proficient) French (basic)