Eliany Perez

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University of Florida
Department of Psychology
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RESEARCH INTERESTS

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

EDUCATION

M.S., University of Florida *In progress*
Department of Psychology, Gainesville, FL
Behavioral and Cognitive Neuroscience
Master of Science: Psychology (*in progress*)

Bachelor of Science in Psychology *Aug 2017*
University of Florida, Gainesville, Florida

Bachelor of Arts in Anthropology *Aug 2017*
University of Florida, Gainesville, Florida

FELLOWSHIPS, HONORS, AND AWARDS

CLAS Graduate Student Travel Award ($300) *Summer 2022*
Interdisciplinary Navigation Symposium (iNAV)

Department of Psychology Travel Award ($600) *Summer 2022*
Interdisciplinary Navigation Symposium (iNAV)

Outstanding Graduate Student Teaching Assistant Award Nominee *Spring 2022*

Jacquelin Goldman Research award ($6,000) *Spring 2021*

Department of Psychology travel award ($75) *Spring 2021*
Cognitive Neuroscience Society (CNS)

Diversity Enhancement Award ($5,000) *2020-Present*

Conference travel award ($2,500) *Spring 2020*
Scientific Research Network on Decision Neuroscience & Aging (SRNDNA)

Machen Florida Opportunity Scholars Award *2013-2017*

Florida Bright Futures Academic Scholars Award *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

Volunteer (Pediatrics Department) *2014-2017*
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.*

<u>CHAPTERS</u>

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 Iowa 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 *Fall, 2022*
University of Florida, Gainesville, FL
Instructed by Dr. Peter Kvam

Neuromatch Academy 2021: Summer School in Computational Neuroscience *Summer, 2021*

Bayesian Statistics Workshop *Summer, 2020*
University of Florida, Gainesville, FL
Instructed by Dr. Peter Kvam

Neurohackademy 2020: Summer School in Neuroimaging and Data Science *Summer, 2020*

Mini ERP Boot Camp *Fall, 2018*

McKnight Brain Institute of the University of Florida
Instructed by Dr. Emily Kappenman

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 *April 8, 2021*
Judge

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

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)