

Eliany Perez

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University of Florida

Department of Psychology

945 Center Dr | Gainesville, FL 32610

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

Awards and Recognitions

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 (\$2,000)

2020-2022

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

Advisor: Natalie Ebner, Ph.D

Social Cognitive and Affective Development Lab

University of Florida, Gainesville, FL

Lab Principal Investigator: Dr. Natalie Ebner

Postbaccalaureate

2019-2020

Brain Cognition and Development Lab

University of Florida, Gainesville, FL

Lab Principal Investigator: Dr. Lisa Scott

Postbaccalaureate

2019-2020

Center for the Study of Emotion and Attention (CSEA)

University of Florida, Gainesville, FL

Lab Principal Investigator: Dr. Andreas Keil

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

Peer-Reviewed Publications

Perez, E., Frazier, I., Lighthall, Lin, T., & Ebner, N.C. (in progress). 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*.

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, I., 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

<i>Latinos and Alzheimer's Symposium</i>	<i>April 25-26, 2022</i>
<i>Cognitive Neuroscience Society (CNS)</i>	<i>Mar 13-16, 2021</i>
<i>iNAV Interdisciplinary Navigation Symposium</i>	<i>Oct 5-7, 2020</i>
<i>Scientific Research Network on Decision Neuroscience & Aging (SRNDNA)</i>	<i>Mar 8-9, 2020</i>

Additional Training and Workshop Attendance

Neuromatch Academy 2021: Summer School in Computational Neuroscience	<i>Summer 2021</i>
Bayesian Statistics Workshop University of Florida, Gainesville, FL Instructed by Dr. Peter Kvam	<i>Summer 2020</i>
Neurohackademy 2020: Summer School in Neuroimaging and Data Science	<i>Summer 2020</i>
Mini ERP Boot Camp <i>McKnight Brain Institute of the University of Florida</i> Instructed by Dr. Emily Kappenman	<i>August 15-17, 2018</i>

Teaching Experience

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

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)