

# Eliany Perez

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<https://scannlab.psych.ufl.edu/graduate-students/>

University of Florida

Department of Psychology

945 Center Dr | Gainesville, FL 32610

## Research Interests

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Decision making, Spatial navigation, Cognition, fMRI, Aging

## Education

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### M.S., University of Florida

Department of Psychology, Gainesville, FL

Behavioral and Cognitive Neuroscience

Master of Science: Psychology (*in progress*)

*In progress*

### Bachelor of Science in Psychology

University of Florida, Gainesville, Florida

*Aug 2017*

### Bachelor of Arts in Anthropology

University of Florida, Gainesville, Florida

*Aug 2017*

## Awards and Recognitions

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### CLAS Graduate Student Travel Award (\$300)

*Interdisciplinary Navigation Symposium (iNAV)*

*Summer 2022*

### Department of Psychology Travel Award (\$600)

*Interdisciplinary Navigation Symposium (iNAV)*

*Summer 2022*

### Outstanding Graduate Student Teaching Assistant Award Nominee

*Spring 2022*

### Jacquelin Goldman Research award (\$6,000)

*Spring 2021*

### Department of Psychology travel award (\$75)

*Cognitive Neuroscience Society (CNS)*

*Spring 2021*

### Diversity Enhancement Award (\$2,000)

*2020-2022*

### Conference travel award (\$2,500)

*Scientific Research Network on Decision Neuroscience & Aging (SRNDNA)*

*Spring 2020*

### Machen Florida Opportunity Scholars Award

*2013-2017*

### Florida Bright Futures Academic Scholars Award

*2013-2017*

## Professional Appointments and Research Experience

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**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**

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Frazier, I., Lighthall, **Perez, E.**, Lin, T., & Ebner, N.C. (submitted). 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 under review). 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. (in press). 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

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**Perez, E.** & Weisberg, S. M. (June 2022). *Neural correlates of strategy shifts in navigation behavior*. Poster presentation. Interdisciplinary Navigation Symposium (virtual).

**Perez, E.** & 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., 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

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<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 &amp; Aging (SRNDNA)</i>	<i>Mar 8-9, 2020</i>

## Additional Training and Workshop Attendance

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

## Teaching Experience

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**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**

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Scientific Research Network on Decision Neuroscience & Aging

Society for Neuroscience

Association for Psychological Science

## **Service**

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### **Mentored Journal Reviews**

*Journal of Neuroscience*

*Fall 2021*

### **Professional Service**

**Machen Florida Opportunity Scholars Graduate School Panel**

*February 24<sup>th</sup>, 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**

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*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)