

# 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, Individual differences, Cognition, fMRI

## 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

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### Jacquelin Goldman Spring Scholarship (\$6,000)

*Spring 2021*

### Departmental virtual travel award (\$75)

*Spring 2021*

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

*Fall 2020 – Spring 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 Candidate

*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

### **Additional Training and Workshop Attendance**

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**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** August 15-17, 2018  
*McKnight Brain Institute of the University of Florida*  
Instructed by Dr. Emily Kappenman

### **Peer-Reviewed Publications**

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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*.

## Submitted manuscripts

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**Perez, E.**, Weisberg, S.M. (under review). The role of risk tolerance in navigation strategy decisions. **\*Registered Report**

## Conference presentations

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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 at the American Psychological Association Annual Convention (virtual).

**Perez, E.**, Weisberg, S.M. (March 13-16, 2021). *The road less traveled: Neural and behavioral correlations between risk-taking and spatial navigation strategy choice*. Cognitive Neuroscience (virtual).

Frazier, I., Lighthall, N., **Perez, E.**, Ebner, N.C. (April 16-19, 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>Cognitive Neuroscience (CNS)</i>	<i>Mar 13-16, 2021</i>
<i>iNAV 3<sup>rd</sup> 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>

## Professional Affiliations

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<b>North Central Florida Society for Neuroscience Chapter</b> <i>Brain Awareness Week Chair</i>	<i>Fall 2021 - Spring 2022</i>
<b>North Central Florida Society for Neuroscience Chapter</b> <i>Brain Awareness Week Vice Chair</i>	<i>Fall 2020 - Spring 2021</i>

## Teaching Experience

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<b>Teaching Assistant</b> University of Florida, Department of Psychology Advisor: Dr. Neil Rowland Course: Psychology of Learning and Memory	<i>Spring 2021</i>
<b>Teaching Assistant</b> University of Florida, Department of Psychology Advisor: Dr. Brian Cahill Course: Cognitive Psychology	<i>Fall 2021</i>

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

## Service

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<b>Mentored Reviewer (peer-reviewed journals)</b>	
<i>Journal of Neuroscience</i>	<i>Fall 2021</i>

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## 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 Conference**

January 28, 2022

*Volunteer*

### **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 training:*

- EEG/ERP recording and data analysis
- Eye tracker recording (Eyelink1000 system, Positive Science dual eye-tracking system) and data analysis
- fMRI data collection and analysis (experience with BIDS fMRIPrep, and MRIQC)

### *Statistical packages:*

- Jasp
- R/R Studio
- SPSS

### *Coding and programming:*

- PsychoPy
- Python
- Java Script
- Bash Shell scripting
- MATLAB
- Analysis software:
  - ✦ EEGLAB
  - ✦ EMEGS (ElectroMagnetic EncephaloGraphy Software)
  - ✦ ERPLAB
  - ✦ FSL

### *Experimental environments and cognitive testing experience:*

- Audio Editing and analysis (Audacity)
- California Verbal Learning Test (CVLT)
- FrACT
- Microsoft Office Suite
- NIH toolbox
- TICS
- Qualtrics management and questionnaire creation
- RedCap
- Test for Auditory Processing Disorders (SCAN-3)

### *Languages:*

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