**Eliany Perez**

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# Research Interests

# Decision making, Spatial navigation, Individual differences, Cognition, fMRI

# 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

**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)**  *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 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

**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

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

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

# Conference presentations

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, 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

*Cognitive Neuroscience (CNS) Mar 13-16, 2021*

*iNAV 3rd Interdisciplinary Navigation Symposium Oct 5-7, 2020*

*Scientific Research Network on Decision Neuroscience & Aging (SRNDNA) Mar 8-9, 2020*

# Professional Affiliations

**North Central Florida Society for Neuroscience Chapter**  *Fall 2021 - Spring 2022*

*Brain Awareness Week Chair*

**North Central Florida Society for Neuroscience Chapter**  *Fall 2020 - Spring 2021*

*Brain Awareness Week Vice Chair*

# Teaching Experience

**Teaching Assistant** *Spring 2021*

University of Florida, Department of Psychology

Advisor: Dr. Neil Rowland

Course: Psychology of Learning and Memory

**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

# Service

**Mentored Reviewer (peer-reviewed journals)**

*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 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

*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)