

Marilyn Horta, Ph.D.
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Education

2014 – 2020	University of Florida Developmental Psychology/Behavioral & Cognitive Neuroscience Dual-Specialization Program	Ph.D. in Psychology Gerontology Graduate Certificate M.S. in Psychology GPA: 3.85
2009 – 2013	Florida State University Honors College Dual-Degree Program	B.S. in Psychology B.S. in International Affairs GPA: 3.73

Professional Appointments

May 2020 –	National Institute on Drug Abuse Substance Abuse Training Center in Public Health T32 Program at the University of Florida (T32DA035167)	Position: Postdoctoral Fellow Director: Linda Cottler, Ph.D. Advisors: Roger Fillingim, Ph.D., Natalie Ebner, Ph.D.
2014 – 2020	Social-Cognitive & Affective Development Lab at the University of Florida	Position: Ph.D. Candidate Advisor: Natalie Ebner, Ph.D.
2017 – 2019	National Institute on Aging T32 Pre-Doctoral Fellowship on Physical, Cognitive & Mental Health in Social Context at the University of Florida (T32AG020499)	Position: Predoctoral Fellow Director: Michael Marsiske, Ph.D. Advisor: Natalie Ebner, Ph.D.
Summer 2018	The Laboratory of Brain & Cognition at McGill University & the Montreal Neurological Institute	Position: Summer Graduate Research Trainee Advisor: R. Nathan Spreng, Ph.D.
Summer 2015	Multimodal Neuroimaging Training Program at Carnegie-Mellon University & the University of Pittsburgh (R90DA023420 & T90DA022761)	Position: Graduate Summer Research Fellow Directors: Peter Gianaros, Ph.D., William F. Eddy, Ph.D. Advisors: Kirk Erickson, Ph.D., Fatma Uyar, Ph.D.
2013 – 2014	National Institutes of Health Post-Baccalaureate Research Experience Program at Emory University (R25GM089615-04)	Position: Post-Baccalaureate Research Fellow Directors: Gordon Churchward, Ph.D., Catherine Quinones, Ph.D., Charles Moran, Ph.D. Advisors: James Rilling, Ph.D., Jennifer Mascaro, Ph.D.

Peer-Reviewed Publications

- Horta, M.,** Pehlivanoglu, D., Ebner, N.C. (2020). The Role of Intranasal Oxytocin on Social Cognition: an Integrative Human Lifespan Approach. *Current Behavioral Neuroscience Reports*. DOI: 10.1007/s40473-020-00214-5
- Horta, M.,** Kaylor, K., Feifel, D., Ebner, N.C. (2020). Chronic oxytocin administration as a tool for investigation & treatment: A cross-disciplinary systematic review. *Neuroscience & Biobehavioral Reviews*. DOI: 10.1016/j.neubiorev.2019.10.012

- Horta, M.**, Ziaei, M., Lin, T., Porges, E.C., Fischer, H., Feifel, D., Spreng, R.N., Ebner, N.C. (2019). Oxytocin alters patterns of brain activity & amygdalar connectivity by age during dynamic facial emotion identification. *Neurobiology of Aging*. DOI: 10.1016/J.NEUROBIOLAGING.2019.01.016
- Frazier, I., Lighthall, N. R., **Horta, M.**, Perez, E., Ebner, N. C. (2019). CISDA: Changes in Integration for Social Decisions in Aging. *Wiley Interdisciplinary Reviews: Cognitive Science*, e1490. DOI: 10.1002/wcs.1490
- Gui, W., Wang, P., Lei, X., Lin, T., **Horta, M.**, Liu, X., Yu, J. (2018). Sleep facilitates consolidation of positive emotional memory in healthy older adults. *Memory*. DOI: 10.1080/09658211.2018.1513038
- Li, T., **Horta, M.**, Mascaro, J., Bijanki, K., Arnal, L.H., Adams, M., Barr, R.G., Rilling, J.K. (2018). Explaining individual variation in paternal brain responses to infant cries. *Physiology & Behavior*, 193 (Part A), 43-54. DOI: 10.1016/j.physbeh.2017.12.033
- Ebner, N. C., Bailey, P. E., **Horta, M.**, Joiner, J., Chang, S. W. C. (2016). Multidisciplinary perspective on prosociality in aging. In J.A. Sommerville & J. Decety (Eds.), *Frontiers in Developmental Science. Social Cognition: Development Across the Life Span* (pp. 303-325). New York, NY, US: Routledge/Taylor & Francis Group.
- Ebner, N.C., **Horta, M.**, Lin, T., Feifel, D., Fischer, H., Cohen, R.A. (2015). Oxytocin modulates meta-mood as a function of age & sex. *Front. Aging Neurosci.*, 7:175. DOI: 10.3389/fnagi.2015.00175

Manuscripts Under Review

- Lin, T. †, **Horta, M.** †, Heald, K., Heemskerk, A., Darboh, B., Levi, A., Spreng, R.N., Turner, G.R., Ebner, N.C. (2021). Loneliness progression among older adults during the COVID-19 pandemic in the United States and Canada. *Journals of Gerontology: Series B: Psychological Sciences*. †share equal authorship
- 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 & side effects of chronic intranasal oxytocin in older men. *Psychopharmacology*.
- Rung, JM, Kidder, QA, **Horta, M.**, Berry, MS, Ebner, NC (2021). The role of oxytocin in alcohol & caffeine use in young & older adults: an analysis of biological, genetic, & epigenetic mechanisms. Under review in *International Journal of Psychophysiology*.
- 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 of posterior superior temporal sulcus during animacy perception. *Brain*.
- Conner, L.B., **Horta, M.**, Ebner, N.C., Lighthall, N.R. (2021). Unique & common regions in the value network identified during encoding & retrieval of value. *Neuropsychologia*.

Honors, Awards, & Grants

	Extramural	Total
Spring 2021	Enhanced Interdisciplinary Research Training Institute on Hispanic Substance Abuse	\$2000
Fall 2020	PA-20-222 NIH Research Supplements to Promote Diversity in Health-Related Research for Uncovering & Surveilling Financial Deception Risk in Aging (Role: Co-Mentor, PI: Natalie Ebner, Candidate: Amber Heemskerk)	\$158,960
Spring 2020	Institute for Learning & Retirement at Oak Hammock Robert Levitt Graduate Student Award for Aging Research	\$250
Summer 2019	Kavli Summer Institute in Cognitive Neuroscience Fellowship	~\$2000
Spring 2019	Institute for Learning & Retirement at Oak Hammock, Leighton E. Cluff Graduate Student Award for Aging Research	\$1200
Summer 2018	Scientific Research Network on Decision Neuroscience & Aging	\$5000

	Mentorship/Collaboration Award	
2015 & 2020	Scientific Research Network on Decision Neuroscience & Aging Conference Travel Awards (2)	~\$4000
Spring 2014	Honorable Mention, Ford Foundation Fellowship Program	N/A
Intramural (University of Florida)		Total
Fall 2020	Affiliate Member, Center for Addiction Research & Education	N/A
Spring 2020	Schumacher Award for Outstanding Dissertation in Psychology	\$2000
2019 – 2020	Jacquelin Goldman Dissertation Award	\$23,000
Summer 2019	College of Liberal Arts & Sciences Dissertation Fellowship	\$7000
Fall 2018	College of Liberal Arts & Sciences Conference Travel Award	\$300
Fall 2018	McKnight Brain Institute Travel Award	\$500
2016 – 2017	Jacquelin Goldman Single Year Awards (2)	\$12,000
2015 – 2019	Graduate Student Council Travel Awards (5)	\$1750
2015 – 2018	Office of Research Travel Awards (3)	\$1200
Spring 2015	Jacquelin Goldman Research Award	\$2000
2014 – 2019	Jacquelin Goldman Fellowship in Developmental Psychology	\$25,000
2014 – 2019	Graduate School Diversity Enhancement Award	\$20,000
2014 – 2018	Department of Psychology Conference Travel Awards (5)	\$2600
Summer 2014	Board of Education Summer Fellowship	\$1600

Conference Presentations

* indicates supervised undergraduate student

Horta, M., Lin, T., Polk, R., Feifel, D., Ebner, N.C. (February 2021). Chronic intranasal oxytocin administration effects on dynamic emotion identification & related functional connectivity in healthy older adults. **Oral Presentation.** North Central Florida Society for Neuroscience 11th Annual (Virtual) Chapter Conference, Gainesville, Florida.

Horta, M., Lin, T., Peeling, S., Heemskerk, A., Spreng, R.N., Turner, G.R., Ebner, N.C. (February 2021). Loneliness & substance use during the COVID-19 pandemic among older adults in the US & Canada. **Oral Presentation.** University of Florida College of Public Health & Health Professions Virtual Research Day, Gainesville, Florida.

Horta, M., Lin, T., Polk, R., Feifel, D., Ebner, N.C. (February 2020). Effects of chronic intranasal oxytocin administration on dynamic emotion identification in older adults. **Poster & Oral Presentation as a Finalist.** Tenth Annual Institute for Learning in Retirement Student Research on Aging Poster Competition & the Robert Levitt Awards at Oak Hammock, Gainesville, Florida.

Horta, M., Ziaei, M., Lin, T., Porges, E.C., Fischer, H., Feifel, D., Spreng, R.N., Ebner, N.C. (January 2020). Oxytocin alters patterns of brain activity & amygdalar connectivity by age during dynamic facial emotion identification. **Oral Presentation.** North Central Florida Society for Neuroscience Conference, Gainesville, FL.

Valdes-Hernandez, P.A., **Horta, M.**, Frazier, I., Porges, E.C., Polk, R., Perez, E., Ojeda, M., Cruz-Almeida, 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.

- *Myers, E., Lussier, D., **Horta, M.**, Frazier, I., Polk, R., Feifel, D., Ebner, N.C. (January 2019). Increase in empathy & insula volume after 4-week intranasal oxytocin administration in older adults. **Poster Presentation.** Ninth Annual North Central Florida Chapter of the Society for Neuroscience Conference, Gainesville, Florida.
- Ebner, N.C., Månsson, K.N.T., Lin, T., Lussier, D., **Horta, M.**, Frazier, I., Weir, D., Feifel, D., Fischer, H. (January 2019). Neuroplasticity & cognitive benefits associated with chronic intranasal oxytocin administration in aging. **Oral Presentation.** Alpine Brain Imaging Meeting, Champéry, Switzerland.
- Lussier, D., **Horta, M.**, Porges, E.C., Woods, A., Cohen, R.A., Ebner, N.C., Cruz-Almeida, Y. (November 2018). Pain modulation is associated with cingulate morphology in older adults with musculoskeletal pain. **Poster Presentation.** Society for Neuroscience, San Diego, CA.
- Horta, M.**, Ziaei, M., Lin, T., Porges, E.C., Fischer, H., Feifel, D., Spreng, R.N., Ebner, N.C. (November 2018). Intranasal oxytocin modulates amygdalar connectivity by age during dynamic facial emotion identification. **Poster Presentation.** Society for Neuroscience, San Diego, CA.
- Horta, M.**, Ziaei, M., Lin, T., Porges, E.C., Fischer, H., Feifel, D., Spreng, R.N., Ebner, N.C. (September 2018). Intranasal oxytocin modulates amygdalar connectivity by age during dynamic facial emotion identification. **Poster Presentation.** Resting-State & Brain Connectivity Conference, Montreal, QC, Canada.
- 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 & accumbens volume. **Poster Presentation.** Organization for Human Brain Mapping, Singapore.
- Månsson, K.N.T., Cortes, D.S., Lin, T., **Horta, M.**, Frazier, I., Lussier, D., Feifel, D., Fischer, H., Ebner, N.C. (June 2018). Neuroplasticity after acute & repeated exposure to oxytocin: a multi-site MRI analysis. **Poster Presentation.** Organization for Human Brain Mapping, Singapore.
- *Salmeron, D., *Somerville, J., **Horta, M.**, Plasencia, G. M., Weir, D. H., *Hofmann, B., Feifel, D., Cruz-Almeida, Y., Ebner, N. C. (May 2018). Safety of chronic intranasal oxytocin administration & functional benefits in aging. **Poster Presentation.** Cognitive Aging Conference, Atlanta, GA.
- *Salmeron, D., *Somerville, J., **Horta, M.**, Plasencia, G. M., Weir, D. H., *Hofmann, B., Feifel, D., Cruz-Almeida, Y., Ebner, N. C. (April 2018). Safety of chronic intranasal oxytocin administration & functional benefits in aging. **Poster Presentation.** Poster on the Hill Conference, Washington, D.C.
- *Salmeron, D., *Somerville, J., **Horta, M.**, Plasencia, G. M., Weir, D. H., *Hofmann, B., Anton, S. D., Cohen, R. A., Fischer, H., Feifel, D., Cruz-Almeida, Y., Ebner, N. C. (March 2018). Safety of acute intranasal oxytocin administration in healthy adults. **Poster Presentation.** Spring Undergraduate Research Symposium, University of Florida, Gainesville, FL.
- *Salmeron, D., *Somerville, J., **Horta, M.**, Plasencia, G. M., Weir, D. H., *Hofmann, B., Feifel, D., Cruz-Almeida, Y., Ebner, N. C. (February 2018). Safety of acute intranasal oxytocin administration in healthy adults. **Poster Presentation.** Florida Undergraduate Research Conference, Melbourne, FL.
- *Salmeron, D., **Horta, M.**, *Somerville, J., Plasencia, G.M., Weir, D.H., *Hofmann, B., Anton, S.D., Cohen, R.A., Fischer, H., Feifel, D., Ebner, N.C. (October 2017). Safety of acute intranasal oxytocin administration in healthy older adults. **Poster Presentation.** Undergraduate Research Day, University of Florida, Gainesville, FL.

- Conner, L., Dalton, I., **Horta, M.**, Gulliford, D., Frazier, I., Ebner, N. C., Lighthall, N. (March 2017). Information integration in economic value judgments: Shift from affective to deliberative decision network regions. **Poster Presentation.** Society for Social & Affective Neuroscience Annual Meeting, Los Angeles, CA.
- Ebner, N. C., Lin, T., **Horta, M.**, Woods, A. J., Cohen, R. A., Feifel, D., Fischer, H. (March 2017). Intranasal oxytocin affects perceptions of facial trustworthiness in young & older adults. **Poster Presentation.** Society for Social & Affective Neuroscience Annual Meeting, Los Angeles, CA.
- Horta, M.**, Lin, T., Ziaei, M., Soliman, A., Porges, E. S., Feifel, D., Oliveira, D., Fischer, H., Cohen, R. A., Ebner, N. C. (March 2017). Effects of single-dose intranasal oxytocin on dynamic facial emotion identification among young & older adults. **Poster Presentation.** Society for Social & Affective Neuroscience Annual Meeting, Los Angeles, CA.
- Lin, T., **Horta, M.**, Fischer, H., Feifel, D., Cohen, R. A., Ebner, N. C. (November 2016). Effects of intranasal oxytocin on perceptions of trustworthiness in aging. **Poster Presentation.** Gerontological Society of America Annual Meeting, New Orleans, LA.
- Ebner, N. C., Chen, H., Porges, E., Lin, T., **Horta, M.**, Fischer, H., Feifel, D., Cohen, R. A. (April 2016). Oxytocin's effect on resting-state functional connectivity varies by age & sex. **Poster Presentation.** Society for Social & Affective Neuroscience Annual Meeting, New York, NY.
- Ebner, N. C., Chen, H., Porges, E., Lin, T., **Horta, M.**, Fischer, H., Feifel, D., Cohen, R. A. (April 2016). Oxytocin's effect on resting-state functional connectivity varies by age & sex. **Poster Presentation.** Cognitive Aging Conference, Atlanta, GA.
- Horta, M.**, Lin, T., Garcia, A., Ebner, N.C. (April 2016). Functional Connectivity during Dynamic Emotion Identification: Effects of Age & Oxytocin. **Poster presentation.** Society for Social & Affective Neuroscience Annual Meeting, New York, NY.
- Horta, M.**, Lin, T., Gulliford, D., Cohen, R.A., Ebner, N.C. (November 2015). Dynamic Emotion Identification: Effects of Age & Oxytocin. **Poster presentation.** The Gerontological Society of America Annual Meeting, Orlando, FL.
- Horta, M.**, Lin, T., Fischer, H., Cohen, R.A., Feifel, D., Ebner, N.C. (September 2015). Does Oxytocin Affect Meta-Mood & Prosocial Decision-Making in Aging? **Poster presentation.** University of Florida Annual Spotlight on Aging Research, Gainesville, FL.
- Balasubramaniyan, A., Clark, M., **Horta, M.**, Uyar, F., Karim, H., Erickson, K. (July 2015). Examining Sex Differences in a Visual Food Cue Task. **Poster presentation.** 2015 MNTP Summer Workshop Symposium on Health Neuroscience, Pittsburgh, PA.
- Horta, M.**, Lin, T., Fischer, H., Cohen, R.A., Feifel, D., Ebner, N.C. (May 2015). Does Oxytocin Affect Emotional Competence & Prosocial Decision-Making in Aging? **Poster presentation.** 27th Association for Psychological Science Annual Convention, New York, NY.
- Horta, M.**, Lin, T., Fischer, H., Cohen, R.A., Feifel, D., Ebner, N.C. (March 2015). Does Oxytocin Affect Emotional Competence & Prosocial Decision-Making in Aging? **Poster presentation.** Fifth Annual Institute for Learning in Retirement Student Research on Aging Exposition & Awards, Gainesville, FL.
- Horta, M.**, Lin, T., Fischer, H., Cohen, R.A., Feifel, D., Ebner, N.C. (March 2015). Does Oxytocin Affect Emotional Competence & Prosocial Decision-Making in Aging? **Poster presentation.** Scientific Research Network on Decision Neuroscience & Aging Conference, Miami, FL.

- Lin, T., **Horta, M.**, Fischer, H., Cohen, R.A., Feifel, D., Ebner, N.C. (March 2015). Effects of Intranasal Oxytocin on Perceptions of Facial Trustworthiness Vary by Age & Gender. **Poster presentation.** Scientific Research Network on Decision Neuroscience & Aging Conference, Miami, FL.
- Horta, M.**, Rilling, J.K. (September 2014). Longitudinal effects of PURPLE intervention on paternal neural responses to infant cries. **Poster presentation.** Society for Psychophysiological Research 54th Annual Meeting, Atlanta, GA.
- Horta, M.**, Rilling, J.K. (March 2014). Longitudinal effects of PURPLE intervention on paternal neural responses to infant cries. **Poster presentation.** Emory University Laney Graduate School STEM Research & Career Symposium, Atlanta, GA.
- Horta, M.**, Turner, R.S. (March 2013). Effects of Kainic Acid Lesions in the Internal Globus Pallidus on Motor Performance & Sequence Learning: Application of Kinematics Analysis. **Oral presentation.** Florida State University Undergraduate Research Symposium, Tallahassee, FL.
- Horta, M.**, Turner, R.S. (August 2012). Effects of Kainic Acid Lesions in the Internal Globus Pallidus on Motor Performance & Sequence Learning: Application of Kinematics Analysis. **Oral presentation.** CNUP Summer Undergraduate Research Program, Pittsburgh, PA.

Summer School & Workshop Attendance

Fall 2020 – Spring 2021	Adolescent Brain Cognitive Development (ABCD) ReproNim Course on Reproducible Data Analyses, Enrolled Student
Fall 2020	NIH Inclusion Across the Lifespan II Workshop
Summer 2020	Bayesian Statistics Workshop at the University of Florida, Gainesville, FL
Summer 2020	Neurohackademy Online
Summer 2020	University of Florida Postdoc Writing Program, Gainesville, FL
Summer 2019	Kavli Summer Institute in Cognitive Neuroscience, Santa Barbara, CA
May 2019	Scientific Research Network on Decision Neuroscience & Aging Data Harmonization Workshop, Miami, FL
September 2018	Resting-State & Brain Connectivity Educational Workshop at the Montreal Neurological Institute, Montreal, QC, Canada
August 2018	ERP Mini Bootcamp at the University of Florida, Gainesville, FL
November 2017	tDCS Workshop at the University of Florida, Gainesville, FL
August 2017	Summer School in Social Neuroscience & Neuroeconomics at Duke University, Durham, NC
July 2017	RAND Summer Institute for Aging Research, Santa Monica, CA
March 2017	Scientific Research Network on Decision Neuroscience & Aging Tools of the Trade Workshop: Human Neuroimaging Methods & Best Practices, Los Angeles, CA
Summer 2015	Multimodal Neuroimaging Training Program Summer Workshop & Symposium on Health Neuroscience at the University of Pittsburgh & Carnegie Mellon University, Pittsburgh, PA
Summer 2014	The Odum Institute for Research in Social Science Summer Workshop, at the University of North Carolina, Chapel Hill, NC
Summer 2012	Center for Neuroscience at the University of Pittsburgh Summer Undergraduate Research Program, Pittsburgh, PA
Summer 2011	Florida State University Psychology Study Abroad Program, London, England

Teaching Experience

Fall 2020	Position: Guest Lecturer Course: Research Colloquium in Developmental Psychology (DEP6059) Topic: PRISMA & CONSORT Guidelines, Open Science Framework, & Professional Development Panel Supervisor: Natalie Ebner, Ph.D.
Spring 2019	Position: Graduate Instructor Course: General Psychology (PSY2012) Supervisor: Feihong Wang, Ph.D.
Spring 2016	Position: Graduate Teaching Assistant Course: General Psychology (PSY2012) Supervisor: Nicole Dorey, Ph.D.
Fall 2015	Position: Graduate Teaching Assistant & Guest Lecturer Course: Lifespan Developmental Psychology (DEP3053) Supervisor: Natalie Ebner, Ph.D.
2014 – 2017	Position: Graduate Teaching Assistant Course: Developmental Psychology (DEP3053) Supervisor: Marina Klimenko, Ph.D.

Service

2021	Reviewer for Leighton E. Cluff Graduate Student Award for Aging Research
2020	Adhoc Reviewer for <i>Psychoneuroendocrinology</i>
2020	Adhoc Reviewer for <i>Translational Psychiatry</i>
2020	Research Scientist Search Committee for the Department of Psychology at the University of Florida
2019	Brain Awareness Week, North Central Florida Chapter of the Society for Neuroscience, <i>Volunteer</i>
2019	Ninth Annual Institute for Learning in Retirement Student Research on Aging Poster Competition & the Robert Levitt Awards at Oak Hammock, <i>Lead Graduate Organizer</i>
2018	Dr. Jacquelin Goldman Speaker Series: Dr. Mara Mather, <i>Lead Graduate Organizer</i>
2018	Eighth Annual Institute for Learning in Retirement Student Research on Aging Exposition & the Robert Levitt Awards at Oak Hammock, <i>Graduate Co-organizer</i>
2017	Mentored Reviewer for <i>Psychology & Aging</i>
2014 – 2020	Diversity Affirmation & Awareness Committee at the University of Florida, <i>Member</i>
2014	Mentored Reviewer for <i>Cognition & Emotion</i>
2012 – 2013	Florida State University Council for Undergraduate Research & Creativity, <i>Editor</i>