

## CURRICULUM VITAE

### NATALIE C. EBNER, Ph.D.

DEPARTMENT OF PSYCHOLOGY CURRENT

UNIVERSITY OF FLORIDA

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### RESEARCH STATEMENT

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On a broad level, my research is cross-disciplinary in nature, promoting synergy between disciplines to identify and enhance social-cognitive and affective mechanisms of aging well. Current aging research focuses on physical and cognitive functions and certain psychopathology common in the elderly. Largely ignored is negative age-related change in social-cognitive and affective capacities that can result in risk of social isolation, adversely affecting health and independence. Combining experimental design with pharmacological, neurofeedback training, and real-life intervention, my research specifically targets this understudied field and has enhanced understanding of factors that contribute to, and neurobiology that underlies, successful aging. My basic science research pursues the long-term goal of informing treatment and decision-supportive tool design toward functional improvement in the elderly, including those at particular risk for Alzheimer's disease and related dementias. In this endeavor, I use a multi-methods approach that combines convergent measures (e.g., self-report, eye tracking, biomarkers, neuroimaging), for an integration of introspective, behavioral, and neurobiological data.

### EDUCATION AND DEGREES

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| 2005 | Dr. phil. (equivalent to Ph.D.), Psychology ( <i>summa cum laude</i> )<br>Free University Berlin, Germany |
| 2001 | Diploma (equivalent to M.A.), Psychology<br>Free University Berlin, Germany                               |
| 1998 | Pre-Diploma (equivalent to B.S.), Psychology<br>Free University Berlin, Germany                           |

### PROFESSIONAL APPOINTMENTS

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|--------------|---|
| 2024-present | Associate Director, Center for Cognitive Aging and Memory Clinical Translational Research Program (CAM Center), University of Florida, Gainesville, FL, USA |
| 2023-present | Trish Calvert Ring Endowed Professor in Psychology, University of Florida, Gainesville, FL, USA   |
| 2023-2024    | Honorary appointment as Visiting Professor at the University of Technology Sydney, Australia  |
| 2023-present | Courtesy Affiliate Professor, Department of Physiology and Aging, College of Medicine, University of Florida, Gainesville, USA                              |

- 2022-present     Affiliate Faculty, Florida Institute for National Security (FINS), University of Florida, Gainesville, FL, USA
- 2020-present     Professor, Department of Psychology, College of Liberal Arts and Sciences, University of Florida, Gainesville, FL, USA
- 2020-present     Affiliate Faculty, Center for Addiction Research & Education, University of Florida, Gainesville, FL, USA
- 2018-present     Affiliate Faculty, Pain Research and Intervention Center of Excellence (PRICE), Clinical and Translational Science Institute (CTSI), College of Medicine, University of Florida, Gainesville, FL, USA
- 2017-2020       Associate Professor, Department of Psychology, College of Liberal Arts and Sciences, University of Florida, Gainesville, FL, USA
- 2011-2017       Assistant Professor, Department of Psychology, College of Liberal Arts and Sciences, University of Florida, Gainesville, FL, USA
- 2015-present     Affiliate Faculty, Florida Institute for Cybersecurity Research (FICS), College of Engineering, University of Florida, Gainesville, FL, USA
- 2015-2022       Adjunct Faculty (joint appointment), Institute on Aging, Department of Aging & Geriatric Research, College of Medicine, University of Florida, Gainesville, FL, USA
- 2013-present     Affiliate Faculty, Cognitive Aging and Memory Clinical Translational Research Program (CAM-CTRP), College of Medicine, University of Florida, Gainesville, FL, USA
- 2010-2011       Associate Research Scientist, Department of Psychology, Yale University, New Haven, CT, USA
- 2007-2010       Post-Doctoral Fellow, Department of Psychology, Yale University, New Haven, CT, USA
- 2004-2007       Post-Doctoral Fellow, Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin, Germany
- 2001-2004       Pre-Doctoral Fellow, Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin, Germany  
                       Fellow in graduate program *Neuropsychiatry and Psychology of Aging*, Free University Berlin, Germany  
                       Fellow in *International Max Planck Research School: The Life Course: Evolutionary and Ontogenetic Dynamics (LIFE)*, Free University Berlin, Germany, Max Planck Institute for Human Development, Berlin, Germany, Humboldt University Berlin, Germany, and University of Michigan, Ann Arbor, USA
- 1999-2001       Research Assistant, Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin, Germany

- 1998-1999      Research Assistant, Department of Psychology, Free University Berlin, Germany
- 1999              Clinical Internship, Haight-Ashbury Free Clinics, San Francisco, USA

## **FELLOWSHIPS, HONORS, AND AWARDS**

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- 2023              Fellow of the Association for Psychological Science
- 2022              University of Florida Consortium on Trust in Media and Technology Scholar
- 2020              University of Florida College of Liberal Arts and Sciences (CLAS) Faculty Achievement Award
- 2019-2022      University of Florida Research Foundation (UFRF) Professorship Award
- 2016-2019      University of Florida Term Professorship Award
- 2016              University of Florida College of Liberal Arts and Sciences International Educator of the Year Award
- 2016              University of Florida Excellence Award -- Assistant Professors
- 2015              Kavli Fellow National Academy of Sciences
- 2014              International Max Planck Research School on the Life Course (LIFE) Outstanding Alumni Award, American Psychological Association (APA) Board of Educational Affairs Award to Advance Interdisciplinary Education and Training in Psychology
- 2013-2015      Junior Scholar in Claude D. Pepper Older Americans Independence Center Institute on Aging, Department of Aging & Geriatric Research, College of Medicine, University of Florida, Gainesville, FL, USA
- 2006              Heinz-Heckhausen-Jungwissenschaftlerpreis (Young Research Scientist Award) German Psychological Association, Germany

## **GRANTS**

**I was involved in securing a total of over \$29,500,000 accumulated in my roles as PI/co-I/Senior Personnel or Sponsor of Early Career Faculty/Trainees since 2011**

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- 01/01/2024-04/30/2027      Research Grant: NIH/NIA - 3R01AG072658-02S2 (Diversity Supplement/Wright) *Characterizing and Modulating Neurocognitive Processes of Learning to Trust and Distrust in Aging*  
 MPIs: **Ebner** (PI), Lighthall, Wilson  
 Total Award: \$141,204; UF indirects: \$104,536; Ebner directs: \$104,536; Ebner indirects: \$36,668
- 01/01/2024-12/31/2024      Research Grant: Scientific Research Network on Decision Neuroscience and Aging Pilot Grant  
*Exploring Risk Tolerance and Decision-Making Across Contexts: Implications for Healthy Cognitive Aging and Alzheimer's Disease.*  
 Co-I: **Ebner** (PI: Perez; Mentor: Weisberg)  
 Total Award: \$24,000 direct

- 06/01/2023-  
04/30/2028      Research Grant: NIH/NIDA - R61DA056922  
*Patterns and Neurocognitive Consequences of Opioid-Alcohol Polysubstance Use*  
Co-I: **Ebner** (PI Knackstedt, Cottler)  
Total Award: \$3,126,314; UF indirects: \$1,039,384; Ebner directs: \$162,780;  
Ebner indirects: \$56,040
- 05/01/2023-  
04/30/2025      Research Grant: McKnight Brain Research Foundation  
*Cued High-Speed Multidirectional Yoga: Impact on Retinal Microvascular and  
Cognitive Measures*  
Co-I: **Ebner** (PI: Signorile)  
Total Award: \$120,000; Ebner directs: 16,001 (no indirects)
- 05/01/2023-  
04/30/2024      Research Grant: NIH/NIA - K01AG070333-01  
*Critical Life Event Supplement to K01-AG070333-02*  
Primary Mentor: **Ebner** (PI: Weisberg)  
Total Award: \$70,000 direct
- 05/01/2023-  
04/30/2025      Research Grant: NIH/NIDA - R21DA056813  
*The Potential of Oxytocin to Reduce Opioid Abuse Liability and Pain Among Older  
Adults*  
MPI: **Ebner** (Co-PI), Berry, Cruz-Almeida  
Total Award: \$419,375; UF indirects: 144,375; Ebner directs: \$24,417; Ebner  
indirects: \$12,819
- 01/01/2023-  
12/31/2026      Research Grant: Swedish Research Council  
*Using Precision Neuroimaging and AI to Understand How the Human Brain  
Processes Socioemotional Cues from Others: A Multimodal Proof-of-Concept  
Project*  
Co-I: **Ebner** (PI: Fischer)  
Total Award: \$495,047
- 09/01/2022-  
08/31/2024      Research Grant: The Consortium on Trust in Media and Technology  
*A Neural Network Approach to Enhancing Fake News Detection in Aging*  
MPIs: **Ebner** (Co-PI), Pehlivanoglu  
Total Award: \$7,500; Ebner directs: \$7,500
- 08/01/2022-  
07/31/2025      Research Grant: NIH/NIA - 3R01AG072658-01A1S1 (Diversity  
Supplement/Horta)  
*Characterizing and Modulating Neurocognitive Processes of Learning to Trust and  
Distrust in Aging*  
MPIs: **Ebner** (PI), Lighthall, Wilson  
Total Award: \$328,639; UF indirects: \$172,535; Ebner directs: \$156,104; Ebner  
indirects: \$172,535
- 04/01/2022-  
03/31/2026      Research Grant: Florida Department of Health Ed and Ethel Moore Alzheimer's  
Disease Research Program - 22A10  
*Florida Consortium to Reduce Misinformation and Exploitation in AD*  
MPIs: **Ebner** (co-PI), Lighthall, Levin  
Total Award: \$742,833; UF indirects: \$31,630; Ebner directs: \$210,869; Ebner  
indirects: \$31,630

- 04/01/2022-03/31/2024 Research Grant: Florida Department of Health Ed and Ethel Moore Alzheimer's Disease Research Program - 22A12  
*Novel Behavioral and Neural Markers of Alzheimer's Disease Progression: A Case of Visual Orienting*  
Co-Mentor: **Ebner** (PI: Barnas)  
Total Award: \$100,0000; UF indirects: \$13,044
- 03/01/2022-04/30/2027 Research Grant: NIH/NIA - R01AG072658  
*Characterizing and Modulating Neurocognitive Processes of Learning to Trust and Distrust in Aging*  
MPIs: **Ebner** (PI), Lighthall, Wilson  
Total Award: \$3,164,331; UF indirects: \$784,470; Ebner directs: \$1,453,603; Ebner indirects: \$784,470
- 01/01/2022-12/31/2026 Research Grant: NIH/NIDA - K01DA052673  
*Opioid-Sparing and Pain-Reducing Properties of Syntocinon: A Dose-Effect Determination*  
Primary Mentor: **Ebner** (PI: Berry)  
Total Award: \$884,335; UF indirects: \$65,931
- 06/01/2021-05/31/2025 (NCE) Research Grant: NIH/NIA - R01AG057764-01A1 (Administrative Supplement)  
*Uncovering and Surveilling Financial Deception Risk in Aging (Alzheimer's Disease Administrative Supplement)*  
MPIs: **Ebner** (PI), Spreng, Huentelman, Grilli  
Total Award: \$364,504; UF indirects: \$113,917; Ebner directs: \$181,952; Ebner indirects: \$113,400
- 05/01/2021-04/30/2025 (NCE) Research Grant: NIH/NIA - R01AG059809-04S1 (Diversity Supplement)  
*Mechanisms of Oxytocin's Analgesia in Older Adults (Diversity Supplement)*  
MPI: **Ebner** (Co-PI), Cruz-Almeida  
Total Award: \$173,118; UF indirects: \$59,598; Ebner directs: \$56,760; Ebner indirects: \$29,799
- 04/01/2021-03/31/2024 Research Grant: US Navy Office of Naval Research - N00014-21-1-2201  
*Evaluating the Benefits of Intranasal Oxytocin Administration on Human Performance and Metabolism under Extreme Conditions*  
Site PI: **Ebner** (PIs: Broderick, Baman)  
Total Award: \$3,449,063; UF indirects: \$84,816; Ebner directs: \$161,556; Ebner indirects: \$84,816
- 05/02/2021-08/31/2023 Research Grant: Florida Department of Health Ed and Ethel Moore Alzheimer's Disease Research Program - 21A09  
*Go Your Own Way: Evaluating Neurofeedback-Induced Plasticity to Improve Spatial Navigation Behavior in Older Adults at Risk for Alzheimer's Disease*  
MPIs: **Ebner** (co-PI), Weisberg, Bowers  
Total Award: \$247,613; UF indirects: \$32,000
- 01/01/2021-12/31/2025 Research Grant: NIH/NIA - K01AG070333-01  
*Behavioral and Neural Properties of Spatial Direction Comprehension in Aging and Amnesic Mild Cognitive Impairment*  
Primary Mentor: **Ebner** (PI: Weisberg)  
Total Award: \$619,849; UF indirects: \$45,949

- 01/01/2021-12/31/2021 Research Grant: UF AI Catalyst Research Fund  
*Combining Deep Neural Networks and Large-Scale Brain Data to Predict Human Cognition and Behavior*  
MPIs: **Ebner** (co-PI), Odegaard, Oweiss, Chen  
Total Award: \$49,833 (no indirects)
- 09/01/2020-06/30/2025 (NCE) Research Grant: NIH/NIA - R01AG057764-01A1 (Diversity Supplement)  
*Uncovering and Surveilling Financial Deception Risk in Aging (Diversity Supplement)*  
MPIs: **Ebner** (PI), Spreng  
Total Award: \$156,746; UF indirects: \$53,962; Ebner directs: \$102,784; Ebner indirects: \$53,962
- 09/01/2020-06/30/2022 Research Grant: Florida Department of Health Ed and Ethel Moore Alzheimer's Disease Research Program - 20A15  
*Determining Plasticity of Brain-Regulatory Mechanisms Related to Emotion Processing: A Neurofeedback Approach in Older Adults with Amnesic Mild Cognitive Impairment*  
PI: **Ebner**  
Total Award: \$249,930; UF indirects: \$32,600; Ebner directs: \$203,715; Ebner indirects: \$30,557
- 01/01/2020-06/30/2022 Research Grant: CTSI Junior Faculty Pilot Grant  
*The Potential of Oxytocin to Simultaneously Reduce Opioid Abuse Liability and Pain*  
Mentor: **Ebner** (PI: Berry)  
Total Award: \$20,000 (no indirects)
- 01/01/2020-06/30/2021 Research Grant: CTSI Postdoctoral Trainee Pilot Grant  
*Determining Plasticity of Brain-Regulatory Mechanisms Related to Emotion Processing: A Neurofeedback Approach in Older Adults with Amnesic Mild Cognitive Impairment*  
Mentor: **Ebner** (PI: Lin)  
Total Award: \$7,500 (no indirects)
- 01/01/2020-12/31/2023 Research Grant: Australian Research Council (ARC) Discovery Projects Scheme (DP20)  
*Taking Advice: Limits and Potentials of Social Decision-Making in Older Age*  
Partner Investigator: **Ebner** (PI: Bailey)  
Total Award: \$186,214; Ebner directs: \$7,035
- 07/15/2019-06/30/2025 (NCE) Research Grant: NIH/NIA - R01AG057764-01A1 (Administrative Supplement)  
*Uncovering and Surveilling Financial Deception Risk in Aging (Alzheimer's Disease Administrative Supplement)*  
MPIs: **Ebner** (PI), Spreng  
Total Award: \$380,216; UF indirects: \$130,216; Ebner directs: \$215,398; Ebner indirects: \$112,050
- 07/01/2019-06/30/2020 Research Grant: University of Florida Center for Research to Investigate Substance Use and Pain (UF-CRISP) Moonshot Initiative Pilot Award  
*Opioid-Sparing and Analgesic Effects of Oxytocin*

Co-I: **Ebner** (PI: Berry)  
Total Award: \$49,180 (no indirects)

07/01/2019-  
06/30/2024 Research Grant: Wallenberg Foundation  
*Understanding Production and Perception of Multimodal Emotion Expressions  
Using Machine Learning Methods*  
Co-I: **Ebner** (PI: Laukka, co-Is: Boman, Fischer, Hau, Högman)  
Total Award: \$733,752

09/01/2018-  
06/30/2025 Research Grant: NIH/NIA - R01AG057764-01A1  
*Uncovering and Surveilling Financial Deception Risk in Aging*  
(NCE) MPIs: **Ebner** (PI), Spreng  
Total Award: \$1,783,886; UF indirects: \$573,394; Ebner directs: \$964,655; Ebner  
indirects: \$506,449

09/01/2018-  
12/31/2019 Research Grant: National Science Foundation (NSF) 1814557  
*SaTC: CORE: Small: FIRMA: Personalized Cross-Layer Continuous  
Authentication*  
MPIs: **Ebner** (co-PI), Oliveira, Wu  
Total Award: \$508,000; UF indirects: \$152,063; Ebner directs: \$94,214; Ebner  
indirects: \$46,837

08/01/2018-  
04/30/2023 Research Grant: McKnight Brain Research Foundation  
*Mechanisms of Oxytocin's Analgesia in Older Adults*  
MPIs: **Ebner** (co-PI), Cruz-Almeida  
Total Award: \$150,000 (no indirects)

08/01/2018-  
04/30/2025 Research Grant: NIH/NIA - R01AG059809  
*Mechanisms of Oxytocin's Analgesia in Older Adults*  
(NCE) MPIs: **Ebner** (co-PI), Cruz-Almeida  
Total Award: \$1,563,125; UF indirects: \$564,375; Ebner directs: \$501,788; Ebner  
indirects: \$263,439

05/01/2018-  
04/30/2021 Research Grant: McKnight Brain Research Foundation  
*Uncovering Risk Profiles of Deception and Mitigating Susceptibility to Scamming  
in Midlife and Older Age: A Novel Intervention Tool*  
MPIs: **Ebner** (PI), Levin, Getz, Grilli, Wilson, Oliveira  
Total Award: \$116,216; Ebner directs: \$45,006 (no indirects)

01/01/2018-  
01/01/2019 Fellowship: 2018 UF Informatics Institute Postdoc Student Fellowship  
*Determining Plasticity of Brain-Regulatory Mechanisms Related to Emotion  
Processing: A Neurofeedback Approach in Aging and Parkinson's Disease*  
Mentor: **Ebner** (PI: Lin)  
Total Award: \$26,362 (no indirects)

12/12/2017 Research Fund: UF Hoffman Funds  
*Oxytocin's Anti-Inflammatory Effects in Aging*  
MPIs: **Ebner** (PI), Cruz-Almeida  
Total Award: \$1,000 (no indirects)

07/01/2017-  
06/30/2019 Research Grant: Florida Center for Cybersecurity Research - 2108-1106-06-A  
*Collaborative Authentication for the Internet of Things*

Key Personnel: **Ebner** (PI: Oliveira)  
Total Award: \$25,000; Ebner directs: \$12,400

- 03/01/2017-  
02/28/2021      Research Grant: NIH/NIA - R21AG057200  
*Determining Plasticity of Brain-Regulatory Mechanisms Related to Emotion Processing: A Neurofeedback Approach in Aging and Parkinson Disease*  
MPIs: **Ebner** (PI), Bowers  
Total Award: \$419,375; UF indirects: \$144,375; Ebner directs: \$216,213; Ebner indirects: \$112,863
- 01/01/2017-  
12/31/2018      Research Grant: US Department of Defense DARPA - HR0011-17-2-0020  
*OLPENS: Optimized Learning via Peripheral Nerve Stimulation*  
MPIs: **Ebner** (co-PI), Oweiss  
Total Award: \$ 1,258,784; UF directs: \$251,870; Ebner directs: \$2,736; Ebner indirects: \$1,436
- 08/01/2016-  
07/31/2018      Research Grant: University of Florida Cognitive Aging and Memory Clinical Translational Research Program (CAM-CTRP) F016327 & NIH/NIA University of Florida Claude D. Pepper Older Americans Independence Center P30 AG028740  
*Role of Oxytocin in Inflammation*  
PI: **Ebner**  
Total Award: \$8,567 (no indirects)
- 07/01/2016-  
12/31/2017      Research Grant: PRICE-CTSI-IOA ARG DTD 03-26-2008  
*Neurobiological Mechanisms of Oxytocin's Pain-Modulatory Role in Aging*  
MPIs: **Ebner** (co-PI), Cruz-Almeida  
Total Award: \$24,907; Ebner directs: \$24,907
- 09/01/2015-  
12/31/2019      Research Grant: National Science Foundation SaTC Medium 1513572  
*Developer Crowdsourcing: Capturing, Understanding, and Addressing Security-related Blind Spots in APIs*  
MPIs: **Ebner** (co-PI), Oliveira, Brun, Cappos, Zhuang  
Total Award: \$1,185,930; UF indirects: \$123,897, Ebner directs: \$45,167; Ebner indirects: \$20,584
- 05/02/2016-  
05/01/2017      Research Grant: Jacqueline Goldman Research Award 00099314  
*Effects of Oxytocin on Physical and Cognitive Functioning in the Elders*  
Mentor: **Ebner** (PI: Lin)  
UF directs: \$3,087 (no indirects)
- 10/01/2015-  
12/31/2017      Research Grant: Massachusetts Institute of Technology, Lincoln Laboratory & US Air Force 7000341318  
*Enhanced Operating System Level User Profile Extraction*  
MPIs: **Ebner** (co-PI), Oliveira, Matthews  
Massachusetts Institute of Technology, Lincoln Laboratory  
Total Award: \$93,955, UF indirects: \$26,720; Ebner directs: \$25,017, Ebner indirects: \$13,009
- 05/01/2015-  
04/30/2016      Research Grant: National Foliage Foundation  
*Effects of Gardening Activities on Brain Activation and Health in Women*  
co-I: **Ebner** (PI: Guy)  
UF directs: \$13,065 (no indirects)



- 09/15/2014-09/14/2017 Research Grant: National Science Foundation SaTC EAGERS SES-1450624  
*Age-Targeted Automated Security Cueing Against Web-Based Social Engineering Attacks*  
MPIs: **Ebner** (co-PI), Oliveira  
Total Award: \$261,497, UF indirects: \$74,305; Ebner directs: \$54,889, Ebner indirects: \$24,945
- 09/01/2014-02/28/2015 Research Grant: NIH/NIA R24 AG039350 Stanford University Scientific Research Network on Decision Neuroscience and Aging 60333642-50105-C  
*The Role of Oxytocin in Prosocial Decision Making in Aging Across Humans and Monkeys*  
MPI: **Ebner** (co-PI), Chang  
Total Award: \$33,300; Ebner directs: \$4,100, Ebner indirects: \$2,050
- 04/01/2014 Research Grant: CAM-CTRP  
*Improving Emotional Dysregulation in Advanced Age: A Neurofeedback Approach*  
PI: **Ebner**  
UF directs: \$15,000 (no indirects)
- 09/20/2013-08/31/2018 Research Grant: NIH/NIAAA 1R01AA022456-01  
*Neurobehavioral and Emotional Deficits in Male and Female Alcoholics*  
co-I: **Ebner** (PI: Nixon)  
UF directs: \$1,519,158, UF indirects: \$366,176; directs Ebner: \$17,493; indirects Ebner: \$8,662
- 04/01/2015-03/31/2017 Research Grant: NIH/NIA University of Florida Claude D. Pepper Older Americans Independence Center P30 AG028740 & CAM-CTRP  
*Effects of Oxytocin on Physical and Cognitive Functioning in the Elders*  
PI: **Ebner**  
Ebner directs: \$65,000, Ebner indirects: \$11,575
- 02/15/2013-02/14/2017 Research Grant: Swedish Research Council  
*Effects of Oxytocin on Socioemotional Aging: Studies on Brain Function and Behavior*  
MPIs: **Ebner** (co-PI), Fischer  
Total Award: \$480,000 (no indirects)
- 02/10/2013 Brain Initiative Program Development Grant: McKnight Brain Foundation  
*Improving Neural Dysregulation in Advanced Age: A Neurofeedback Approach*  
PI: **Ebner**  
Ebner directs: \$1,000 (no indirects)
- 01/20/2013 Instrumentation Grant: McKnight Brain Foundation  
*Acquiring Human Whole-Brain Phosphorous Magnetic Resonance Imaging Capabilities in the McKnight Brain Institute*  
co-I: **Ebner** (PI: Woods)  
UF directs: \$59,000 (no indirects)
- 08/01/2013-03/01/2015 Research Grant: NIH/NIA R24 AG039350 Stanford University Scientific Research Network on Decision Neuroscience and Aging 60333642-50105-C  
*Oxytocin and Social Decision Making in Aging*

**PI: Ebner**

Ebner directs: \$29,800, Ebner indirects: \$9,800

- 10/03/2013 Open Access Publishing Fund: University of Florida Health Science Center Libraries Women's Health/Sex & Gender Differences in Health  
**PI: Ebner**  
*Oxytocin and Socioemotional Aging – Current Knowledge and Future Trends*  
Ebner directs: \$1,023 (no indirects)
- 01/01/2012-12/31/2013 Research Grant: NIH/NCATS UL1 TR000064 University of Florida Clinical and Translational Science Institute  
*Neuro-Behavioral Effects of Oxytocin on Decisions of Trust in Aging*  
**PI: Ebner**  
Ebner directs: \$20,000 (no indirects)
- 07/01/2011-06/30/2012 Research Grant: University of Florida, Department of Psychology, 2011 Michael L. & Judith D. Woodruff  
*Neural Mechanisms of Social Memory in Young and Older Adults*  
**PI: Ebner**  
Ebner directs: \$6,000 (no indirects)
- 07/15/2007-06/30/2010 Post-Doctoral Research Fellowship: German Science Foundation  
*Motivational Orientation in Adulthood*  
**PI: Ebner**  
Ebner directs: \$180,000 (no indirects)

**PUBLICATIONS: JOURNAL ARTICLES AND BOOK CHAPTERS**

**(PEER-REVIEWED; 118 ARTICLES; 12 CHAPTERS)**

\* INDICATES UNDERGRAD, POST-BAC, GRAD STUDENT, OR POSTDOC AUTHOR

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**Articles**

\*Heemskerk, A., Lin, T., \*Pehlivanoglu, D., \*Hakim, Z., Valdes Hernandez, P. A., ten Brinke, L., Grilli, M. D., Wilson, R. C., Turner, G. R., Spreng, R. N., & **Ebner, N. C.** (in press). Interoceptive accuracy enhances deception detection in older adults. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*. <https://osf.io/preprints/psyarxiv/93meh>

\*Barnas, A. J., **Ebner, N. C.**, & Weisberg, S. M. (2024). Allocation of space-based attention is guided by efficient comprehension of spatial direction. *Journal of Cognition*, 7, 1. DOI: 10.5334/joc.325. PMID: 38223233; PMCID: PMC10785961.

**Ebner, N. C.**, Horta, M., & \*El-Shafie, D. (2024). New directions for studying the aging social-cognitive brain. *Current Opinion in Psychology*, 56, 101768. <https://doi.org/10.1016/j.copsyc.2023.101768>. PMID: 38104362. PMCID: PMC10939782.

Horta, M., \*Shoenfelt, A., Lighthall, N. R., \*Perez, E., \*Frazier, I., \*Heemskerk, A., Lin, T., Wilson, R. C., & **Ebner, N. C.** (2024). Age-group differences in trust-related decision-making and learning. [Special issue]. *Scientific Reports*, 14: 68. <https://doi.org/10.1038/s41598-023-50500-x>. PMID: 38167997; PMCID: PMC10762071

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- ### Chapters
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- Ebner, N. C.**, Lighthall, N. R., & \*El-Shafie, D. (in press). Affective neuroscience of aging: An interplay of organic brain changes and shifting goals. In J. Armony & P. Vuilleumier (Eds.), *Handbook of Human Affective Neuroscience* (2nd Edition). Cambridge University Press.
- Ebner, N. C.**, \*Pehlivanoglu, D., \*Polk, R., Turner, G. A., & Spreng, R. N. (2022). Aging online: Rethinking adulthood and aging in an unsafe digital era. In Y. Hanock & S. Wood (Eds.), *A Fresh Look at Fraud: Theoretical and Applied Approaches (Behavioral Economics and Healthy Behaviors)*. Routledge Taylor Francis.
- Spreng, R. N., **Ebner, N. C.**, Levin, B. E., & Turner, G. R. (2021) Aging and financial exploitation risk. In Factora, R. M. (Ed.), *Aging and Money: Reducing Risk of Financial Exploitation and Protecting Financial Resources* (2nd Edition), 55-74. New York: Springer Press. DOI: 10.1007/978-3-030-67565-3
- Ebner, N. C.**, Bailey, P. E., \*Horta, M., \*Joiner, J., & Chang, S. W. C. (2017). Multidisciplinary perspective on prosociality in aging. In J. A. Sommerville & J. Decety (Eds.), *Social Cognition: Developmental Across the Life Span* (pp. 303-325). <https://doi.org/10.4324/9781315520575>
- Ebner, N. C.**, \*Frazier, I., & \*Ellis, D. (2017). Visual search and attention test. In J. S. Kreutzer, J. DeLuca, & B. Caplan (Eds.), *Encyclopedia of Clinical Neuropsychology*, 1-4. New York, London: Springer. DOI: 10.1007/978-3-319-56782-2\_9094-1
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**Ebner, N. C., \*Weir, D., & \*Rainer, R. (2017).** Eye tracking. In J. S. Kreutzer, J. DeLuca, & B. Caplan (Eds.), *Encyclopedia of Clinical Neuropsychology*, 1-4. New York, London: Springer. DOI: 10.1007/978-3-319-56782-2\_9083-1

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**Ebner, N. C. & Freund, A. M. (2009).** Annäherungs- vs. Vermeidungsmotivation [Approach vs. avoidance motivation]. In V. Brandstätter & J. H. Otto (Eds.), *Handbuch der Allgemeinen Psychologie: Motivation und Emotion [Handbook of General Psychology: Motivation and Emotion]* (pp. 72–78). Goettingen: Hogrefe.

**Ebner, N. C., & Freund, A. M. (2007).** Personality theories of successful aging: The role of goals and goal-related processes for adaptive development. In J. A. Blackburn & C. N. Dulmus (Eds.), *Handbook of Gerontology: Evidence-based approaches to theory, practice, and policy* (pp. 87–116). New York: Wiley & Sons.

Freund, A. M., & **Ebner, N. C. (2005).** The aging self: Shifting from promoting gains to balancing losses. In W. Greve, K. Rothermund, & D. Wentura (Eds.). *The adaptive self: Personal continuity and intentional self-development* (pp. 185–202). Ashland, OH: Hogrefe & Huber Publishers.

## Dissertation

**Ebner, N. C. (2005).** *Striving for gains and preventing losses: Multi-method evidence on the differences in personal goal orientation in early and late adulthood.* Doctoral dissertation, Free University Berlin. <https://refubium.fu-berlin.de/handle/fub188/3172>.

## INVITED TALKS

\* INDICATES UNDERGRAD/GRAD STUDENT OR POSTDOC AUTHOR

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**Ebner, N. C. (August, 2024).** *Deception in aging: The role of cognition, affect, & neurobiology.* Talk at the BankTalk Saltmarsh. Tampa, FL, USA.

**Ebner, N. C. (June, 2024).** *Deception in aging: The role of cognition, affect, & neurobiology.* Featured scientific speaker at the California Statewide Executive Roundtable on Elder Financial Abuse on Transnational Fraud and Schemes Targeting the Elderly (The Safe Guard Forum, Elder Financial Fraud Roundtable: Scam Awareness and Fraud Education – Generating Understanding and Resilience Through Dialogue) organized by the US Attorney Office and the California Department of Financial Protection & Innovation. San Francisco, CA, USA.

**Ebner, N. C. (May, 2024).** *A translational neuroscience approach to social-cognitive and affective aging.* Featured member speaker at the Florida Consortium on the Neurobiology of Cognition, Miami, FL, USA.

**Ebner, N. C. (May, 2024).** *Real-time fMRI neurofeedback training of selective attention in older Adults.* Talk at the Annual McKnight Brain Research Foundation Inter-Institutional Meeting, Gainesville, FL. USA.

**Ebner, N. C. (April, 2024).** *Leveraging cognitive, affective, & neurobiological potential to overcome vulnerability to deception in aging.* The Atrium, Gainesville, FL, USA.

**Ebner, N. C.** (March, 2024). *Leveraging cognitive, affective, & neurobiological potential to overcome vulnerability to deception in aging*. Sunrise Rotary Club, Gainesville, FL, USA.

**Ebner, N. C.** (March, 2024). *Leveraging cognitive, affective, & neurobiological potential to overcome vulnerability to deception in aging*. Institute for Learning in Retirement at Oak Hammock, Gainesville, FL, USA.

**Ebner, N. C.** (February, 2024). *Cognition, affect, & neurobiology behind vulnerability to deception in aging*. Elder Law Annual Update 2024, Orlando, FL, USA.

**Ebner, N. C.** (February, 2023). *Understanding and promoting social-cognitive and affective aging*. School of Gerontology Colloquium, University of Southern California, Los Angeles, CA, USA.

**Ebner, N. C.** (December, 2022). *Understanding and promoting social-cognitive and affective aging*. Department of Psychological and Brain Sciences Colloquium, Washington University St. Louis, St. Louis, MO, USA.

**Ebner, N. C.** (November, 2022). *Aging online: Determinants of susceptibility to deception in later life*. Florida Institute for Human & Machine Cognition, Inc. (IHMC), Ocala, FL, USA.

**Ebner, N. C.** (October, 2022). *Understanding and promoting social-cognitive and affective aging*. School of Psychology Colloquium, Georgia Tech, Atlanta, GA, USA.

**Ebner, N. C.** (April, 2022). *Aging online: Rethinking adulthood and aging in an unsafe digital era*. Talk in the York University CARE Aging in the City Seminar, Toronto, Canada.

**Ebner, N. C.** (April, 2022). *Aging online: Rethinking adulthood and aging in an unsafe digital era*. University of Florida Department of Psychiatry Research Lecture Series, Gainesville, FL, USA.

Wilson, B., **Ebner, N. C.**, Grilli, M., Getz, S., & Levin, B. (April, 2022). *The neuroscience of phishing email detection and learning who to trust*. McKnight Brain Institute Inter-Institutional Meeting, Tucson, AZ, USA.

**Ebner, N. C.** (October, 2021). *Understanding and promoting social-cognitive and affective aging*. Center for Vital Longevity at the University of Texas at Dallas Science Luncheon, Dallas, TX, USA.

**Ebner, N. C.** (July, 2021). *Real-time fMRI neurofeedback training towards functional improvement in aging and cognitive decline*. Florida Health Ed and Ethel Moore Alzheimer's Disease Research Grant Symposium, Tallahassee, FL, USA.

**Ebner, N. C.** (June, 2021). *Oxytocin and human aging: Brain-behavioral evidence of benefits on cognitive and socioemotional functioning*. Research Showcase 2021 at the Community Coalition for Older Adults with the Senior Center, Gainesville, FL, USA (online format due to COVID-19)

**Ebner, N. C.**, Wilson, B., Grilli, M., Getz, S., & Levin, B. (April, 2021). *Detecting deceptive information in scamming paradigms: A training intervention*. McKnight Brain Institute Inter-Institutional Meeting, Miami, FL, USA (online format due to COVID-19)

\*Pehlinvanoglu, D., \*Heemskerk, A., & **Ebner, N. C.** (April, 2021). *Deception and aging*. Community Coalition for Older Adults with the Senior Center, Gainesville, FL, USA (online format due to COVID-19)

**Ebner, N. C.** (February, 2021). *The socio-emotional self in aging: Gains and losses*. Talk in the Special Webinar Series for Advancing Precision Convergence, *Neuroscience of the self and adaptive real-world behavior: Multi-Scale Pathways to Lifelong Achievement, Resilience, and Wellbeing in Health and Disease*, Healthy Brains For Healthy Lives (HBHL), Knowledge Mobilization (KM) Program, McGill University, Quebec, Canada (online format due to COVID-19)

**Ebner, N. C.** (July, 2020). *Research on exploitation risk in aging*. Talk at the bimonthly meeting of the North Central Florida Senior Advocacy Network, Gainesville, FL, USA (online format due to COVID-19)

**Ebner, N. C.** (November, 2019). *Oxytocin and human aging: Brain-behavioral evidence of benefits on cognitive and socioemotional functioning*. Talk at the Florida Institute for Human & Machine Cognition, Inc. (IHMC), Pensacola, FL, USA.

**Ebner, N. C.** (November, 2019). *Novel brain-interventional approaches towards promotion of social-cognitive and affective aging*. Talk at the workshop on Leveraging Insights and Approaches from Social and Affective Neuroscience to Promote Adaptive Aging, National Academies of Sciences, Engineering, and Medicine (NAS), Board on Behavioral, Cognitive, and Sensory Sciences (BBCSS), and the National Institute on Aging (NIA)/National Institutes of Health (NIH), Washington, DC, USA.

**Ebner, N. C.** (November, 2019). *Aging online: Rethinking adulthood and aging in an unsafe digital era*. Talk at "Stopping Financial Exploitation: Florida On the Forefront" sponsored by The Elder Law Section of the Florida Bar, the Academy of Florida Elder Law Attorneys, the Elder Care of Alachua County Elder Options, and the North Central Florida Senior Advocacy Network, Gainesville, FL, USA.

**Ebner, N. C.** (June, 2019). *Understanding and promoting social-cognitive and affective aging*. Speaker at the Summer School in Social Neuroscience and Neuroeconomics, Duke University, Durham, North Carolina, USA.

**Ebner, N. C.** (May, 2019). *Oxytocin and human aging: Brain-behavioral evidence of benefits on cognitive and socioemotional functioning*. Featured talk at the Meeting of the Florida Consortium on the Neurobiology of Cognition (FCNC), Gainesville, FL, USA.

**Ebner, N. C.**, Oliveira, D., Levin, B., Getz, S., Grilli, M., & Wilson, B. (April, 2019). *Uncovering risk profiles of deception and mitigating susceptibility to scamming in midlife and older age: A novel intervention tool*. McKnight Brain Institute Inter-Institutional Meeting, Gainesville, FL, USA.

\*Myers, E., \*Lussier, D., & **Ebner, N. C.** (March, 2019). *Increase in empathy and insula volume after 4-week intranasal oxytocin administration in older male adults*. Invited Presentation at the 2019 Robert Levitt Awards, Gainesville, FL, USA.

**Ebner, N. C.** (August, 2018). *Interventional approaches towards promotion of successful aging*. IRB Educational Retreat, Gainesville, FL, USA.

\*Talty, P., \*Lin, T., \*Ellis, D., \*Rocha, H. A., \*Yang, H., \*Dommaraju, S., \*Muradoglu, M., \*Weir, D. H., \*Soliman, A., Oliveira, D. S., & **Ebner, N. C.** (March, 2018). *Age- and sex-related*

*susceptibility in cyber social-engineering attacks*. Invited Presentation at the 2018 Robert Levitt Awards, Gainesville, FL, USA.

**Ebner, N. C.** (January, 2018). *Effects of oxytocin in human aging*. Winter Conference on Brain Research, Curacao, Netherlands.

**Ebner, N. C.** (December, 2017). *A multi-methods approach to social-cognitive and affective aging*. Colloquium, Department of Psychology, Rice University, Houston, TX, USA.

**Ebner, N. C.** (December, 2016). *A multi-methods approach to social-cognitive and affective aging*. Colloquium, Department of Psychology, Brandeis University, Boston, MA, USA.

**Ebner, N. C.** (April, 2016). *An aging perspective to the science of decision making*. Colloquium, Applied Experimental and Human Factors, University of Central Florida, Orlando, FL, USA.

**Ebner, N. C.** (November, 2015). *An aging perspective to the science of decision making*. 2015 National Academy of Sciences Kavli Frontiers of Science Symposium, Irvine, CA, USA.

**Ebner, N. C.** (June, 2015). *The role of the neuropeptide oxytocin in social and affective aging*. Colloquium, Department of Clinical and Health Psychology, University of Florida, Gainesville, FL, USA.

**Ebner, N. C.** (May, 2015). *The role of the neuropeptide oxytocin in social and affective aging*. Symposium, Yale International Conference on Memory and Attention: Conceptualizing Cognition, Yale University, New Haven, CT, USA.

**Ebner, N. C.** (May, 2015). *Social and emotional aging: A neuro-behavioral analysis*. LIFE Outstanding Alumni Award Address, LIFE Spring Academy at the University of Michigan, Ann Arbor, Michigan, USA.

**Ebner, N. C.** (March, 2015). *The role of the neuropeptide oxytocin in social and affective aging*. Colloquium, Department of Psychology, University of Florida, Gainesville, FL, USA.

**Ebner, N. C.** (March, 2015). *Oxytocin, aging, and prosocial decision making*. Decision Neuroscience of Aging Conference, Miami, FL, USA.

**Ebner, N. C.** (October, 2014). *Social and emotional aging: A neuro-behavioral analysis*. Colloquium, Texas A&M University, College Station, Texas, USA.

**Ebner, N. C.** (June, 2014). *Processing social-emotional information in aging: A neuro-behavioral analysis*. Colloquium, Max Planck Institute for Human Development, Berlin, Germany.

**Ebner, N. C.** (June, 2014). *Oxytocin and socioemotional aging: Effects on social decision-making and emotion processing*. Colloquium, University of Zurich, Zurich, Switzerland.

**Ebner, N. C.** (May, 2014). *Oxytocin and aging: Effects on social decision-making and emotion processing*. Invited workshop, Scientific Research Network on Decision Neuroscience and Aging, Tampa, FL, USA.

**Ebner, N. C.** (February, 2014). *Oxytocin and aging: Effects on social decision-making and emotion processing*. External Advisory Board Meeting of Claude D. Pepper Older Americans Independence Center, Institute on Aging, University of Florida, Gainesville, FL, USA.



\*Maura, G., & **Ebner, N. C.** (December, 2013). *Social memory and aging*. Institute for Learning in Retirement at Oak Hammock & at the PrimeTime Institute at the Senior Recreation Center, Institute of Aging Senior Health Series, University of Florida, Gainesville, FL, USA

**Ebner, N. C.** (September, 2013). *Oxytocin and socioemotional aging*. 4<sup>th</sup> Annual Spotlight on Aging Research, Institute on Aging, University of Florida, Gainesville, FL, USA.

**Ebner, N. C.** (June, 2013). *Oxytocin and social cognition in aging*. External Advisory Board Center for Cognitive Aging and Memory-Clinical Translational Research Program (CAM-CTRP), University of Florida, Gainesville, FL, USA.

Sitaram, R., & **Ebner, N. C.** (June, 2013). *Emotion processing and decision making in aging: A neurofeedback approach*. External Advisory Board Meeting of the Center for Cognitive Aging and Memory-Clinical Translational Research Program (CAM-CTRP), University of Florida, Gainesville, FL, USA.

\*Strickland-Hughes, C. M., & **Ebner, N. C.** (December, 2012). *Social memory and aging*. Institute for Learning in Retirement at Oak Hammock & at the PrimeTime Institute at the Senior Recreation Center, Institute of Aging Senior Health Series, University of Florida, Gainesville, FL, USA.

**Ebner, N. C.** (September, 2012). *Oxytocin and socioemotional aging*. McKnight Brain Institute, Age-Related Memory Loss Committee, University of Florida, Gainesville, FL, USA.

**Ebner, N. C.** (February, 2012). *Neural mechanisms of social memory in young and older adults*. Department of Psychology, University of Florida, Gainesville, FL, USA.

**Ebner, N. C.** (February, 2011). *Own-age bias in attention and memory: Behavioral and imaging evidence*. Department of Psychology, University of Florida, Gainesville, FL, USA.

**Ebner, N. C.** (February, 2010). *Changes in processing of socially relevant information from early to late adulthood*. Department of Psychology, University of Konstanz, Konstanz, Germany.

**Ebner, N. C.** (December, 2009). *Attention and memory biases in processing of socially relevant information*. Department of Psychology, Concordia University, Montreal, QB, Canada.

**Ebner, N. C.** (October, 2009). *Attention and memory biases in processing of socially relevant information*. School of Psychology, University of Queensland, Brisbane, NSW, Australia.

**Ebner, N. C.** (April, 2009). *Age-group differences in attention and memory biases in processing of socially relevant information*. Department of Psychology, Yale University, New Haven, CT, USA.

**Ebner, N. C.** (February, 2009). *Age-group differences in attention and memory biases for emotional and motivational information*. Transdisciplinary Colloquium Series at the Jacobs Center for Lifelong Learning and Institutional Development (JCLL), Jacobs University Bremen, Bremen, Germany.

**Ebner, N. C.** (June, 2007). *Cognitive processing of motivational-emotional information: Increasing schema reliance for developmental goals with advancing age*. Psychology Department (Applied Psychology: Life-Management), University of Zurich, Zurich, Switzerland.

**Ebner, N. C.** (March, 2007). *Personality development in adulthood: Motivational, emotional, and social-cognitive aspects*. Humboldt University Berlin, Berlin, Germany.

**Ebner, N. C.** (August, 2005). *Striving for gains and prevention losses: Multi-method evidence on the differences in personal goal orientation in early and late adulthood*. Aging Research Institute, Karolinska Institute, Stockholm, Sweden.

**Ebner, N. C.** (June, 2005). *Lifespan shift in motivational orientation: Biological substrate of age-related differences in approach-avoidance motivation*. 6<sup>th</sup> Schloessmann Seminar on Cognitive Neuroscience of Human Ontogeny, Doelln, Germany.

**Ebner, N. C.** (May, 2005). *Striving for gains and prevention losses: Multi-method evidence on the differences in personal goal orientation in early and late adulthood*. Department of Psychology (Memory and Cognition Lab), Yale University, New Haven, CT, USA.

**Ebner, N. C.** (2004) *Striving for gains and preventing losses: Personal goal orientation in early and late adulthood*. Workshop "Personal Goals", University of Halle, Halle, Germany.

**Ebner, N. C.** (2003). *Win or don't lose: On the differences in personal goal focus in early and late adulthood*. Social Psychology Department, Northwestern University, Evanston, IL, USA.

**Ebner, N. C.** (2001). *Physical activity as a lifestyle: Associations with health and control beliefs in old age*. Health Psychology Department, Free University Berlin, Berlin, Germany.

## **TRAVEL AND PRESENTATION AWARDS**

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- 2020                      Workshop Travel Award: *Many Labs*  
Scientific Research Network on Decision Neuroscience and Aging (SRNDNA;  
sponsored by NIH/NIA), Oahu, Hawaii, USA
- 2019                      Workshop Travel Award: *Data Pooling and Harmonization across Labs*  
Scientific Research Network on Decision Neuroscience and Aging (SRNDNA;  
sponsored by NIH/NIA), Miami, FL, USA
- 2019                      Presentation Award: 3<sup>rd</sup> best oral presentation (out of 14) at Alpine Brain  
Imaging Meeting, Champéry, Switzerland
- 2017                      Conference Travel Award: *Tools of Trade Workshop: Human Neuroimaging  
Methods and Best Practices*  
Scientific Research Network on Decision Neuroscience and Aging (SRNDNA;  
sponsored by NIH/NIA), Los Angeles, CA, USA.
- 2016                      Conference Travel Award: *Opportunities for Advancing Behavioral and Social  
Research on Aging*  
(Preconference workshop at the Convention of the Association for  
Psychological Science)  
NIH/NIA
- 2014                      Conference Travel Award: *Scientific Research Network on Decision  
Neuroscience and Aging Translational Workshop*

Scientific Research Network on Decision Neuroscience and Aging (SRNDNA;  
sponsored by NIH/NIA)

- 2014 Conference Travel Award: *Lifespan Approach to Affective Science Questions*  
(Preconference of inaugural conference of Society for Affective Science)  
NIH/NIA
- 2013 Conference Travel Award: *Mechanisms of Motivation, Cognition, and Aging Interactions*  
Scientific Research Network on Decision Neuroscience and Aging (SRNDNA;  
sponsored by NIH/NIA)
- 2010 Conference Travel Award: *Annual Meeting of the Society for Personality and Social Psychology*  
German Academic Exchange Service, Germany
- 2009 Conference Travel Award: *Annual Meeting of Association for Psychological Science*  
German Academic Exchange Service, Germany
- 2008 Conference Travel Award: *Cognitive Aging Conference*  
German Science Foundation, Germany
- 2006 Conference Travel Award: *Annual Meeting of the Society for Personality and Social Psychology*  
German Science Foundation, Germany
- 2005 Presentation Award: *Poster Award Developmental Psychology of the German Psychological Association*  
German Psychological Association, Germany
- 2004 Presentation Award: *Graduate Student Poster Award*  
Society for Personality and Social Psychology
- 2004 Conference Travel Award: *Society for Personality and Social Psychology*  
Society for Personality and Social Psychology
- 2003 Presentation Award: *Student Research Award of Division 20 in the American Psychological Association*  
American Psychological Association
- 2002 Workshop Travel Award: *Workshop on Scientific Writing*  
German Psychological Association, Germany

## **CONFERENCE PRESENTATIONS (SINCE 2023)**

**(281 IN TOTAL)**

**\* INDICATES UNDERGRAD/GRAD STUDENT OR POSTDOC AUTHOR**

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\*Perez, E., \*Barnas, A. J., \*Kunath, J., Kvam, P., **Ebner, N. C.**, Bowers, D., & Weisberg, S. M.  
(November, 2024). *Navigating uncertainty: Age- and ADRD-related differences in explore-exploit*

*tradeoffs across gambling and navigation*. Poster at the 65th Annual Meeting of the Psychonomic Society, New York City, NY, USA.

Alaerts, K., Prinsen, J., **Ebner, N. C.**, Horta, M., Zhao, W., & Kendrick, K. M. (June, 2024). Announcement of the Oxytocin Brain Imaging Data Exchange (OBIDE) Initiative. Poster at the Organization for Human Brain Mapping, Seoul, South Korea.

\*Arnold, D., \*Pehlivanoglu, D., \*Faulkner, R., \*Zhen, J., Lin, T., \*El-Shafie, D., \*Zhu, M., Woodard, D., Cahill, B., & **Ebner, N. C.** (May, 2024). *Is this real? Age-related differences in deepfake detection*. Poster at the Florida Consortium on the Neurobiology of Cognition, Miami, FL, USA.

Horta, M., \*Polk, R., & **Ebner, N. C.** (May, 2024). *Introducing an open dataset to examine single-dose intranasal oxytocin effects in healthy younger and older adults*. Poster at the Florida Consortium on the Neurobiology of Cognition, Miami, FL, USA.

\*Remon, L. P., \*Pehlivanoglu, D., \*Zhen, J., Lin, T., El-Shafie, D., \*Zhu, M., Woodard, D., Cahill, B. S., & Ebner, N. C. (May, 2024). *Is this real? The role of modality and psychological variables in deepfake detection in humans vs. machines*. Poster at the Annual Meeting of the Association for Psychological Science, San Francisco, CA, USA.

Wang, S., Wilson, R. C., **Ebner, N. C.**, & Lighthall, N. R. (May, 2024). *Recency and primacy biases are partially dissociable: Evidence from the Florida-Arizona Gambling Task*. Poster at the Annual Meeting of the Association for Psychological Science, San Francisco, CA, USA.

\*Zhen, J., \*Pehlivanoglu, D., \*Zhu, M., Cahill, B. S., Woodard, D., & Ebner, N. C. (May, 2024). *Is this real? Deepfake detection in humans vs. machines*. Poster at the Florida Consortium on the Neurobiology of Cognition, Miami, FL, USA.

\*Faulkner, R., \*Pehlivanoglu, D., \*Zhen, J., Lin, T., El-Shafie, D., \*Zhu, M., Woodard, D., Cahill, B. S., & **Ebner, N. C.** (April, 2024). *Is this real? Age-related differences and their brain correlates in deepfake detection*. Poster at the Social and Affective Neuroscience Society, Toronto, ON, Canada.

Horta, M., \*Shoenfelt, A., Lighthall, N. R., & **Ebner, N. C.** (April, 2024). *Learning to trust: The role of uncertainty and experience for younger and older adults*. Poster at the Social and Affective Neuroscience Society, Toronto, ON, Canada.

\*Polk, R., \*El-Shafie, D., Horta, M., \*Perez, E., \*Heemskerk, A., Lin, T., Feifel, D., & **Ebner, N. C.** (April, 2024). *Chronic intranasal oxytocin administration increases positive mood and ability to repair mood in older adults*. Poster at the Social and Affective Neuroscience Society, Toronto, ON, Canada.

\*Shoenfelt, A., \*Pehlivanoglu, D., Lin, T., Ziaei, M., Feifel, D., & **Ebner, N. C.** (April, 2024). *Chronic intranasal oxytocin effects on visual attention to social vs nonsocial stimuli in older adults*. Poster at the Social and Affective Neuroscience Society, Toronto, ON, Canada.

\*Wright, K., \*Polk, R., Lin, T., \*Krol, K., \*Perkeybile, A., Connelly, J., & **Ebner, N. C.** (April, 2024). *Unraveling the interplay between stress, inflammation, and methylation of the oxytocin receptor gene in aging*. Poster at the Social and Affective Neuroscience Society, Toronto, ON, Canada.

- \*Lyons, P., El-Shafie, D., Horta, M., Lin, T., **Ebner, N. C.** (April 2024). *Loneliness-moderated effects of chronic pain on analytical reasoning*. Poster at the Pain Research Day, Gainesville, FL, USA.
- \*Lyons, P., El-Shafie, D., Horta, M., Lin, T., **Ebner, N. C.** (April 2024). *Loneliness-moderated effects of chronic pain on analytical reasoning*. Poster at the Spring Undergraduate Research Symposium, Gainesville, FL, USA.
- \*Heemskerk, A., Lin, T., & **Ebner, N. C.** (March, 2024). *Interoceptive accuracy enhances deception detection with greater age*. Poster at the American Psychology Law Society Conference, Los Angeles, CA, USA.
- Horta, M., \*Polk, R., & **Ebner, N. C.** (March, 2024). *Introducing an open dataset to examine single-dose intranasal oxytocin effects in healthy younger and older adults*. Poster at the Society for Social Neuroscience, Tsukuba, Japan.
- \*Wang, S., Wilson, R. C., **Ebner, N. C.**, & Lighthall, N. R. (March, 2024). *Probing dimensionality of decision-making under uncertainty: The Florida-Arizona Gambling task*. Poster at the Annual Meeting of the Southeastern Psychological Association, Orlando, FL USA.
- \*Barnas, A. J., Bowers, D., **Ebner, N. C.**, & Weisberg, S. M. (November, 2023). *Individual differences in visual attention correlate with spatial navigation behavior in aging*. Poster at the Symposium for Individual Differences in Cognition. San Francisco, CA, USA.
- \*Barnas, A. J., **Ebner, N. C.**, & Weisberg, S. M. (November 2023). *Allocating space-based attention with schemas, words, and scenes*. Poster at the Annual Meeting of the Psychonomic Society. San Francisco, CA, USA.
- Ebner, N. C.**, \*Heemskerk, A., & Lin, T. (November, 2023). *Interoceptive accuracy enhances deception detection with greater age*. Poster at the Gerontological Society of America, Tampa, FL, USA.
- Horta, M., \*Shoenfelt, A., Lighthall, N. R., \*Perez, E., \*Frazier, I., \*Heemskerk, A., Lin, T., Wilson, R. C., & **Ebner, N. C.** (November, 2023). *Facing trustworthiness: Age-group differences in trust-related decision-making & learning*. Poster at the Gerontological Society of America, Tampa, FL, USA.
- \*Kunath, J., \*Barnas, A. J., \*Perez, E., \*Boogaart, Z., **Ebner, N. C.**, & Weisberg, S. M. (November, 2023). *Modifying spatial navigation strategy through task instruction in younger and older adults*. Poster at the Annual Meeting of the Psychonomic Society. San Francisco, CA, USA.
- \*Pehlivanoglu, D., \*Shoenfelt, A., Horta, M., Lin, T., Woods, A., Feifel, D., & **Ebner, N. C.** (November, 2023). *Temporal dynamics of oxytocin in aging: Putting the Tri-Phasic Model to test*. Talk at the Society for Social Neuroscience (virtual).
- \*Shoenfelt, A., \*Pehlivanoglu, D., Lin, T., Feifel, D., & **Ebner, N. C.** (November, 2023). *Effects of chronic intranasal oxytocin on visual attention to social vs. nonsocial stimuli in older adults*. Poster at the Society for Social Neuroscience Conference (virtual).

\*Warren, R., \*El-Shafie, D., \*Shoenfelt, A., \*Heemskerk, A., Lin, T., & **Ebner, N. C.**, (November, 2023). *State-trait anxiety moderates age effects on theory of mind*. Poster at the Fall Undergraduate Research Symposium, University of Florida, Gainesville, FL, USA.

\*Barnas, A. J., Bowers, D., **Ebner, N. C.**, & Weisberg, S. M. (September, 2023). *Novel behavioral and neural markers of Alzheimer's disease progression: A case for visual orienting*. Poster at the 2023 Ed and Ethel Moore Alzheimer's Disease Research Symposium. Florida Department of Health, University of Central Florida, Orlando, FL, USA.

Bailey, P. & **Ebner, N. C.** (August, 2023). *The weight of advice in older age*. Poster at the annual meeting of the American Psychological Association, Washington D.C., USA.

Horta, M., \*Shoenfelt, A., Lighthall, N. R., \*Perez, E., \*Frazier, I., \*Heemskerk, A., Lin, T., Wilson, R. C., & **Ebner, N. C.** (August, 2023). *Facing trustworthiness: Age-group differences in trust-related decision-making & learning*. Poster at the NIH Diversity Supplement Professional Development and Networking Virtual Workshop.

\*Hughes, C., \*Heemskerk, A., \*Pehlivanoglu, D., Lin, T., ten Brinke, L., Turner, G., **Ebner, N. C.**, & Spreng, R. N. (July, 2023). *Dissociable brain activity for high stakes lie detection judgements in younger and older adults*. Poster at the Organization for Human Brain Mapping, Montreal, Quebec, Canada.

\*Perez, E., \*Kunath, J., \*Barnas, A. J., \*Boogaart, Z., **Ebner, N. C.**, & Weisberg, S. M. (July, 2023). *Neural correlates of strategy shifts in navigation behavior*. Poster at the 29th Annual Meeting of the Organization for Human Brain Mapping. Montréal, Canada.

Brun, Y., Lin, T., \*Somerville, J. E., \*Myers, E., & **Ebner, N. C.** (May, 2023). *Blindspots in Python and Java APIs result in vulnerable code*. Talk at the 45<sup>th</sup> International Conference on Software Engineering, Melbourne, Australia.

\*El-Shafie, D., \*Polk, B., Horta, M., \*Perez, E., \*Heemskerk, A., Lin, T., Feifel, D., & **Ebner, N. C.** (May, 2023). *Chronic intranasal oxytocin administration increases positive mood and improves ability to repair mood in older adults*. Poster at the Social Affective Neuroscience Society Conference, Santa Barbara, CA, USA.

\*Heemskerk, A., Lin, T., \*Pehlivanoglu, D., \*Hakim, Z., Valdes-Hernandez, P., ten Brinke, L., Grilli, M., Wilson, R. C., Turner, G., Spreng, R. N., & **Ebner, N. C.** (May, 2023). *Interoceptive accuracy predicts deception detection ability with greater age*. Poster at the Scientific Research Network on Decision Neuroscience and Aging Conference, Santa Barbara, CA, USA.

Horta, M., \*Shoenfelt, A., Lighthall, N. R., \*Perez, E., \*Frazier, I., \*Heemskerk, A., Lin, T., Wilson, R. C., & **Ebner, N. C.** (May, 2023). *Facing Trustworthiness: Age-group differences in trust-related decision-making & learning*. Poster at the Scientific Research Network on Decision Neuroscience & Aging, Santa Barbara, CA, USA.

\*Heemskerk, A., Lin, T., \*Pehlivanoglu, D., \*Hakim, Z., Valdes-Hernandez, P., ten Brinke, L., Grilli, M., Wilson, R. C., Turner, G., Spreng, R. N., & **Ebner, N. C.** (April, 2023). *Interoceptive accuracy predicts deception detection ability with greater age*. Poster at the Social Affective Neuroscience Society Conference, Santa Barbara, CA, USA.

- Lighthall, N. R., \*Pehlivanoglu, D., Cahill, B., & **Ebner, N. C.** (April, 2023). *Confidence in judgments about news veracity and fake news sharing in aging*. Talk at the Annual Meeting of the Florida Consortium on the Neurobiology of Cognition, Jupiter, FL, USA.
- \*Hughes, C., \*Heemskerk, A., \*Pehlivanoglu, D., Lin, T., ten Brinke, L., Turner, G., **Ebner, N. C.**, & Spreng, R. N. (April, 2023). *Dissociable brain activity for high stakes lie detection judgements in younger and older adults*. Poster at the Social and Affective Neuroscience Conference, Santa Barbara, CA, USA.
- \*Polk, R., Lin, T., \*Wright, K., \*Krol, K., \*Perkeybile, A., Nazarlo, H. P., Carter, C. S., Connelly, J., & **Ebner, N. C.** (April, 2023). *Endogenous oxytocin in social-cognitive aging: Interactions of plasma levels and receptor gene methylation on empathy*. Poster at the Social and Affective Neuroscience Conference, Santa Barbara, CA, USA.
- \*Heemskerk, A., Lin, T., \*Pehlivanoglu, D., \*Hakim, Z., Valdes-Hernandez, P., ten Brinke, L., Grilli, M., Wilson, R. C., Turner, G., Spreng, R. N., & **Ebner, N. C.** (March, 2023). *Interoceptive accuracy predicts deception detection ability with greater age*. Poster at the Institute for Learning in Retirement Poster Exposition, Gainesville, FL, USA.
- \*Perez, E., \*Kunath, J., \*Barnas, A. J., \*Boogaart, Z., **Ebner, N. C.**, & Weisberg, S. M. (March, 2023). *Neural correlates of strategy shifts in navigation behavior*. Poster at the Thirteenth Annual Institute for Learning in Retirement Student Research on Aging Poster Competition and the Robert Levitt Awards at Oak Hammock, Gainesville, FL, USA.
- \*Polk, R. J., Horta, M., \*Perez, E., \*Heemskerk, A., Lin, T., Feifel, D., & **Ebner, N. C.** (March, 2023). *Chronic intranasal oxytocin administration increases positive mood and ability to repair mood in older adults*. Poster at the Annual Institute for Learning in Retirement Student Research on Aging Poster Competition and the Robert Levitt Awards at Oak Hammock, Gainesville, FL, USA.
- \*Sempio, F., \*Heemskerk, A., \*Pehlivanoglu, D., \*Hakim, Z., & \*Ebner, N. C. (April, 2023). *The effect of high contact roles on susceptibility to phishing among older adults*. Poster at the University of Florida Annual Undergraduate Research Symposium, Gainesville, FL, USA.
- \*Schotz, J., Lighthall, N. R., & **Ebner, N. C.** (March, 2023). *Revisiting visual cues of trustworthiness in a believable social environment: Unique effects of social vs. nonsocial cues on trust-related behavior*. Poster at the University of Central Florida Student Scholar Symposium, Orlando, FL, USA.
- \*Wright, K., Lin, T., Feifel, D., Cruz-Almeida, Y., & **Ebner, N. C.** (March, 2023). *Chronic intranasal oxytocin dissociates the relationship between pain and stress in older adults*. Poster at the Institute for Learning in Retirement Robert Levitt Awards for Student Research on Aging, Gainesville, FL, USA.
- Barnas, A. J., **Ebner, N. C.**, & Weisberg, S. M. (February, 2023). *Spatial navigation behavior correlates with specific components of attentional function*. Poster at the 7<sup>th</sup> Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.
- Ebner, N. C.** & Lin, T. (February, 2023). *Real-time fMRI neurofeedback training of selective attention in older adults*. Talk at the 7<sup>th</sup> Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

\*Horta, M. H., \*Shoenfelt, A., \*Perez, E., \*Frazier, I., \*Heemskerk, A., Lin, T., Lighthall, N. R., & **Ebner, N. C.** (February, 2023). *Age differences in trust-related decision-making*. Talk at the North Central Florida Society for Neuroscience Annual Chapter Conference, Gainesville, FL, USA.

\*Horta, M. H., \*Shoenfelt, A., \*Perez, E., \*Frazier, I., \*Heemskerk, A., Lin, T., Lighthall, N. R., & **Ebner, N. C.** (February, 2023). *Age differences in trust-related decision-making*. Talk at the 7<sup>th</sup> Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

\*Liu, P., Lin, T., \*Polk, R. L., Fischer, H., Feifel, D., **Ebner, N. C.** (February, 2023). *The effects of acute and chronic administration of intranasal oxytocin on the large-scale network in older adults*. Poster at the 7<sup>th</sup> Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

\*Pehlivanoglu, D., \*Shoenfelt, A., \*Heemskerk, A., \*Hakim, Z., \*Zhen, J., Huentelman, M., Grilli, M. D., Wilson, R. C., Turner, G., Spreng, R. N., & **Ebner, N. C.** (February, 2023). *Phishing in-the-lab and in-the-wild: Older age, APOE4, and cognitive status predict susceptibility to scams*. Talk at the 7<sup>th</sup> Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

\*Perez, E., \*Kunath, J., \*Barnas, A. J., \*Boogaart, Z., **Ebner, N. C.**, & Weisberg, S. M. (February, 2023). *Neural correlates of strategy shifts in navigation behavior*. Poster at the 7<sup>th</sup> Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

\*Polk, R. J., Lin, T., \*Wright, K., \*Krol, K., \*Perkeybile, A., Nazarloo, H. P., Carter, C. S., Connelly, J., & **Ebner, N. C.** (February, 2023). *Endogenous oxytocin in aging: interaction of plasma levels and receptor gene methylation on empathy*. Poster at the North Central Florida Society for Neuroscience Conference, Gainesville, FL, USA.

\*Shoenfelt, A. E., \*Pehlivanoglu, D., Lin, T., \*Krol, K., \*Perkeybile, A., Connelly, J., & **Ebner, N. C.** (February, 2023). *Associations between oxytocin receptor gene methylation and emotional face processing in older adults*. Poster at the 7<sup>th</sup> Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

\*Wright, K., Lin, T., Feifel, D., Cruz-Almeida, Y., & **Ebner, N. C.** (February, 2023). *Chronic intranasal oxytocin dissociates the experience of stress and pain in older adults*. Poster at the 7<sup>th</sup> Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

**Ebner, N. C.** (January, 2023). *Neurocognitive mechanisms of deception detection deficits in aging*. Talk at the Winter Conference on Brain Research, Snowbird, UT, USA.

**Ebner, N. C.** (January, 2023). *Promising targets for slowing brain aging*. Symposium at the Winter Conference on Brain Research, Snowbird, UT, USA.

## COURSES AND LECTURES

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### Courses

*Concepts and Methods in Lifespan Developmental Research*, University of Florida, USA (Fall 2024)

*Research Colloquium in Developmental Psychology*, University of Florida, USA (Spring 2018, Fall 2020, Spring 2022)



*Aging and the Human Brain*, University of Florida, USA (Fall 2011, Spring 2012, Fall 2014, Spring 2017, Spring 2022)

*Lifespan Developmental Psychology*, University of Florida, USA (Fall 2012, Fall 2013, Fall 2015, Fall 2016, Fall 2017, Fall 2018)

*Developmental Psychology*, Yale University, USA (Summer 2009)

*Motivation Across the Lifespan*, Humboldt University Berlin, Germany (Summer 2005)

### **Lectures**

*Adolescence: Brain and Cognitive Development in Lifespan Developmental Psychology* taught by Dr. Darlene Kertes, University of Florida, Gainesville, FL, USA (Spring 2017)

*Oxytocin and Aging in Methods in Cognitive Neuroscience* taught by Dr. Vonetta Dotson/Eric Porges, University of Florida, Gainesville, FL, USA (Spring 2015, 2016, 2017, 2018, 2019)

*Emotion and Aging in Multidisciplinary Approaches to Cognition* taught by Dr. Lise Abrams, University of Florida, Gainesville, FL, USA (Fall 2012)

*Well-being in Adulthood and Strategies of Successful Aging in Theories and Methods of Developmental Psychology* taught by Dr. Jacqui Smith, Free University Berlin, Berlin, Germany (Summer 2005)

*Intelligence in Gain-Loss Dynamic in Adulthood and Old Age in Cognition Across the Lifespan* taught by Dr. Ute Kunzmann, Free University Berlin, Berlin, Germany (Summer 2004)

*Self and Personality in Gerontological Psychology: Theories, Methods, and Empirical Findings in Lifespan Psychology* taught by Dr. Ute Kunzmann, Free University Berlin, Berlin, Germany (Winter 2003/2004)

*Emotion-Cognition Interactions in Psychology of Emotions: Theories and Methods in Lifespan Psychology* taught by Dr. Ute Kunzmann, Free University Berlin, Berlin, Germany (Winter 2002/2003)

### **INTERNSHIPS, RESEARCH PROJECTS, AND THESES SUPERVISED**

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**I have served as faculty mentor in the acquisition of over \$1,650,000 in early-career faculty, postdoc, graduate/undergrad student, and post-bac trainee awards, prizes, scholar- and fellowships since 2011**

#### **Early-Career Faculty**

2022-2024	Marilyn Horta (Research Scientist/Professor; NIH diversity supplement)
2022-present	Meredith Berry (Assistant Professor; NIH K award)
2021-present	Tian Lin (Research Scientist/Professor)
2021-present	Steve Weisberg (Assistant Professor, NIH K award)

## Postdoctoral

- 2023 Colleen Hughes, *Brain mechanisms in deception detection in aging* (SRNDNA collaboration award)
- 2021-present Adam Barnas, *Spatial navigation, attention, and aging* (FL DOH fellowship)
- 2020-2022 Marilyn Horta (T32), *Social decision making in substance abuse*
- 2019-2021 Jillian Rung (T32), *Effects of opioids and oxytocin on pain in aging*
- 2018-present Didem Pehlivanoglu, *Cybersecurity and aging*
- 2018-2020 Pedro Antonio Valdes Hernandez (T32), *Dynamic network connectivity*
- 2017-2022 Tian Lin, *Improving attention and emotion regulation: A neurofeedback approach*

## Graduate

- 2024-present Sanghee Park, University of Florida
- 2024-present Stephanie Washburn, University of Florida
- 2024-present Chun-Che Hung, University of Florida
- 2021-present Alayna Shoenfelt, University of Florida (Masters completed), *Oxytocin and face processing*
- 2021-present Kylie Wright, University of Florida (Masters completed, NIH diversity supplement), *Oxytocin, stress, and loneliness*
- 2020-2023 Julia Cochran, University of Florida (NIH diversity supplement), *Oxytocin and socio-affective functioning in pain*
- 2020-2023 Amber Heemskerk, University of Florida (NIH diversity supplement), *Aging and deception*
- 2018-2024 Rebecca Polk, University of Florida (Masters & PhD completed), *Effects of oxytocin on socioemotional functioning in aging*, NIH T32 Fellowship (2020-2023)
- 2018-2023 Peiwei Liu, University of Florida (PhD completed), *Oxytocin effects on large-scale brain networks in aging*
- 2015-2020 Ian Frazier, University of Florida (PhD completed), *Trust-related decision making in aging*
- 2015-2019 Desiree Lussier, University of Florida (Masters & PhD completed), *Associations between oxytocin, brain structure, and pain*

- 2014-2020 Marilyn Horta, University of Florida (Masters & PhD completed), *Empathy and prosocial behavior in aging*, NIH T32 Fellowship (2016-2019)
- 2012-2017 Aylin Tasdemir, University of Florida (Masters & PhD completed), *Mental time travel and healthy decision making in aging*
- 2011-2017 Tian Lin, University of Florida (Masters & PhD completed), *Social memory in aging*
- 2011-2014 Carla Strickland-Hughes, University of Florida (Masters completed), *Attentional and motivational influences of everyday memory in aging*

### **Undergraduate**

- 2023-2024 Legasse Ramon, University of Florida (AI University Scholars Program), *A Neural Network Approach to Enhancing Fake News Detection in Aging*
- 2023-2024 Jialong Zhen, University of Florida (CLAS Scholars Program), *Effects of analytical reasoning and interoceptive awareness on the ability to detect deepfake faces*
- 2022-2023 Maya Kantor, University of Florida (CLAS Scholars Program), *Loneliness and susceptibility to deception in aging*
- 2021 Janae Baker, University of Florida (SURF), *Cybersecurity and aging*
- 2019-2021 Erin Tammi, University of Florida (NSF REU, Medical Honors Program), *FIRMA, Oxytocin*
- 2019-2020 Farha Deceus, University of Florida (NSF REU), *Developers blindspots*
- 2019-2020 Elisha Myers, University of Florida (Senior Thesis, CLAS Scholars Program), *Oxytocin's effect on insula brain structure and empathy*
- 2019-2020 Amber Heemskerk, University of Florida (NSF REU), *FIRMA*
- 2018-2019 Royi Lynn, University of Florida (University Scholars Program), *A neurofeedback approach to reducing emotional interference effects in age*
- 2018-2019 Joseph Perez, University of Florida (NSF REU), *Developers blindspots*
- 2018-2019 Elisha Myers, University of Florida (NSF REU), *Developers blindspots*
- 2017-2018 Dinia Salmeron, University of Florida (University Scholars Program), *Safety of intranasal oxytocin administration in aging*
- 2017-2018 Kathryn Kaylor, University of Florida (NSF REU), *Developers blindspots*
- 2017-2018 Paul Talty, University of Florida (University Scholars Program), *Factors contributing to increased phishing susceptibility in aging*
- 2017-2018 Samantha Smith, University of Florida (NSF REU), *Developers blindspots*

- 2017-2018 Rita Hayes, University of Florida, Senior Thesis, *Effects of long-term oxytocin administration on cingulate cortex volume in older adults*
- 2017-2018 Katie Buzzanca, University of Florida (NSF REU), *Age-targeted social engineering attacks*; Senior Thesis: *Differences in response inhibition during an emotional go/no-go task among healthy young and older adults*
- 2017 Jessie Somerville, University of Florida (NSF REU), *Age-targeted social engineering attacks*
- 2017 Sevilay Yumusak, University of Florida (NSF REU), *Age-targeted social engineering attacks*
- 2017 Aliye Karakoyun, University of Florida (NSF REU), *Age-targeted social engineering attacks*
- 2016-2017 Robert Rainer, University of Florida (University Scholars Program), *Anti-inflammatory effect of oxytocin in aging*
- 2016-2017 Sebastian Marin, University of Florida (University Scholars Program), *Anti-inflammatory effect of oxytocin in aging*
- 2015-2016 Melis Muradoglu, University of Florida (University Scholars Program), *Effects of chronic oxytocin administration on cognitive performance in older adults*
- 2015-2016 Bailey Hofmann, University of Florida (University Scholars Program), *The effects of the neuropeptide oxytocin on physical function in aging*
- 2014-2015 Andrew Varan, University of Florida (Senior thesis, University Scholars Program), *Effects of executive functioning on neurofeedback success in aging*
- 2014-2015 Katie Dillon, University of Florida (Senior thesis, University Scholars Program), *Investigating own-age bias in face-name associations: A look at visual attention and memory in younger and older adults*
- 2014-2015 Connor Volpi, University of Florida (Senior thesis, University Scholars Program), *Effects of oxytocin on cognition in older males*
- 2013-2014 Anand Desai, University of Florida (University Scholars Program, Neuroscience Major research project), *Effects of oxytocin on empathy and trust in young and older adults*
- 2013-2014 Reesa Lendry, University of Florida (University Scholars Program), *Effects of face likability on memory in older and younger adults*
- 2012-2013 Gabriela Maura, University of Florida (Senior thesis, University Scholars Program), *Associations of the oxytocin receptor gene (OXTR) polymorphisms with brain response during reading of facial emotions in young and older adults*
- 2012-2013 Sondre Skarsten, University of Florida (Senior thesis, University Scholars Program), *Mental time travel and healthy lifestyle decisions: A vividness mediation model*

- 2012-2013 Mackenzie L. Green, University of Florida (Honors thesis), *Memory encoding as a function of age in an elderly sample: An fMRI study*
- 2011 Kelly Durbin, Yale University (internship), *Neural correlates of processing emotional young and older faces*
- 2009 Jenny-Kathinka Krueger, Humboldt University Berlin (internship), *Medial cortex activity associated with self-referential thinking*
- 2008 Sebastian Gluth, Humboldt University Berlin (internship), *fMRI correlates of the own-age bias*
- 2008 William Hwang, Yale University (independent research project), *Gender differences in expression identification of and memory for male and female faces*
- 2006 Miriam Behrenbruch, Humboldt University Berlin (Honor thesis), *Mood influences encoding of emotional stimuli*
- 2006 Sebastian Gluth, Humboldt University Berlin (Honor thesis), *Attitudes toward younger and older adults: The German Aging Semantic Differential*
- 2006 Martina Zellin, Humboldt University Berlin (internship), *Relation between promotion and prevention orientation and well-being*
- 2006 Paul Muhle-Karbe, Humboldt University Berlin (internship), *Relation between promotion and prevention orientation and well-being*
- 2006 Judith Peth, Humboldt University Berlin (internship), *Brave men, cautious women? Gender differences in approach and avoidance tendencies*
- 2006 Susanne Michalke, Humboldt University Berlin (internship), *Facial expressions in faces of different ages*
- 2005 Ruth Fahrland, University of Greifswald (internship), *Gender differences in goal orientation*
- 2005 Valeska Pannier, Free University Berlin (internship), *On the relationship between resources and goal orientation in the domain of cognitive functioning: An age-group comparison*
- 2005 Anja Böhnke, Free University Berlin (internship), *Different facets of age stereotypes: An empirical study*
- 2004 Marie Hennecke, University of Bochum (internship), *Does action orientation mediate negative effects of resource loss on subjective well-being in older adults?*
- 2003 Sanja Hodzic, Free University Berlin (internship), *Age-related differences in the content of personal goals*

- 2003 Tobias Raabe, University of Jena (internship), *Satisfaction and goal focus*
- 2002 Karl Kapitza, University of Saarbruecken (internship), *Age differences in response times to stimuli related to growth and loss-prevention goals*

## **WORKSHOP ORGANIZATION**

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- 2024 Faculty organizer of *Advanced Computational Modeling in Decision-Making Research*, Social-Cognitive and Aff & ective Development Lab, University of Florida, Gainesville, FL, USA (R. Wilson)
- 2019 Member of the Steering Committee of Workshop on *Leveraging Insights and Approaches from Social and Affective Neuroscience to Promote Adaptive Aging*, National Academies of Sciences, Engineering, and Medicine (NAS), Board on Behavioral, Cognitive, and Sensory Sciences (BBCSS), and the National Institute on Aging (NIA)/National Institutes of Health (NIH), Washington, DC, USA.
- 2017 Member of the Organizing Committee of the *7th Indonesian-American Kavli Frontiers of Science symposium*, sponsored by the U.S. Agency for International Development and supported by the U.S. National Academy of Sciences and the Kavli Foundation, Ambon City, Ambon, Indonesia
- 2016 Member of the Organizing Committee of the *6th Indonesian-American Kavli Frontiers of Science symposium*, sponsored by the U.S. Agency for International Development and supported by the U.S. National Academy of Sciences and the Kavli Foundation, Malang, East Java, Indonesia
- 2015 Speaker and co-chair in session for National Academy of Sciences' 27th U.S. annual Kavli Frontiers of Science symposium
- 2015 Faculty organizer of *PLS fMRI Analysis* workshop, Social-Cognitive and Affective Development Lab & Institute on Aging, University of Florida, Gainesville, FL, USA (M. Ziaei)
- 2012 Faculty organizer of *fMRI Analysis in SPM* workshop, Social-Cognitive and Affective Development Lab, University of Florida, Gainesville, FL, USA (Dr. M. Johnson)
- 2003 Graduate student organizer of *Teaching and Didactics*, Max Planck Institute for Human Development, Berlin, Germany (Dr. V. Strittmatter-Haubold)

## **SERVICE**

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- 2025-2027 Member of the *Academic Personnel Board (APB)*, University of Florida, Gainesville, FL, USA
- 2023-2024 Chair of *Search Committee (Quantitative Psychology)*, Department of Psychology, University of Florida, Gainesville, FL, USA

- 2024-present Mentor in *NEURON-Aging Undergraduate Research Program*, University of Florida, Gainesville, FL, USA
- 2023-2024 Mentor in *University of Florida AI Scholars Program*, University of Florida, Gainesville, FL, USA
- 2022-present Mentor in *Gator NeuroScholar Enhanced Postdoctoral Fellowships*, University of Florida, Gainesville, FL, USA
- 2022-2027 Member of the Advisory Board of the *Scientific Research Network on Decision Neuroscience & Aging* (NIH/NIA; R24AG076847; Kendra Seaman)
- 2022-present Member of Junior Faculty Mentoring Committee (Assistant Professor: Shanting Chen), University of Florida, Gainesville, FL, USA
- 2022-2023 University of Florida Faculty Internal Subject Matter Experts (ISMES) in 2022-23 *College of Medicine R01 Boot Camp*, University of Florida, Gainesville, FL, USA.
- 2021-2025 Standing Member of *Social Psychology, Personality and Interpersonal Processes (SPIP)* Study Section, Center for Scientific Review, NIH
- 2021-2022 Chair of *Search Committee (Developmental Psychology)*, Department of Psychology, University of Florida, Gainesville, FL, USA
- 2021 External consultant for the *International Max Planck Research School: The Life Course: Evolutionary and Ontogenetic Dynamics (LIFE)*, doctoral candidate: Michael Geers, Berlin, Germany
- 2021 Reviewer of the *University of Florida Clinical Translational Science Institute Pilot Awards*, University of Florida, Gainesville, FL, USA
- 2020-present Director, Early Career Faculty/Scholar Grant Writing Academy, University of Florida, Gainesville, FL, USA.
- 2020-present Member of Editorial Board of *Aging Brain*
- 2020 Ad-hoc Reviewer, Special Emphasis Panel/Scientific Review Group ZRG1 - BBBP-Y (50), Research on Psychosocial Factors of Social Connectedness and Isolation on Health, Well-Being, Illness, and Recovery, *Biobehavioral and Behavioral Processes (BBBP)*, National Institutes of Health
- 2020 External examiner for *Doctor of Philosophy Theses at Graduate Research School*, Australian Catholic University, Australia
- 2019-present T32 Mentor in *NIH/NIA Research Training in Non-Pharmacological Interventions for Cognition in Aging, MCI, and Alzheimer's Disease* (T32AG020499; before 2020: *Aging Training: Physical, Cognitive, and Mental Health in Social Context*), University of Florida, Gainesville, FL, USA
- 2019-present Member of Junior Faculty Mentoring Committee (Assistant Professor: Steven Weisberg), University of Florida, Gainesville, FL, USA

- 2019-2024 Member of Junior Faculty Mentoring Committee (Assistant Professor: Peter Kvam), University of Florida, Gainesville, FL, USA
- 2019-2022 Member of Lecturer Mentoring Committee (Lecturer: Dana Wood), University of Florida, Gainesville, FL, USA
- 2019 Reviewer of the *University of Florida Research Opportunity Seed Funds*, University of Florida, Gainesville, FL, USA
- 2019-present *CLAS Scholars Program* Faculty Member, University of Florida, Gainesville, FL, USA
- 2018-present T32 Mentor in *NIH/NIA Integrative and Multidisciplinary Pain and Aging Research Training (IMPART; T32AG049673)*, University of Florida, Gainesville, FL, USA
- 2018-2020 Guest Editor of *Psychology and Aging* (specialty section on *Prosociality in Adulthood and Aging*)
- 2018-2019, 2020-2024 Chair of *Awards for Aging Research*, supported by the Leighton E. Cluff Endowment and the Institute for Learning in Retirement (ILR) at Oak Hammock
- 2018-2019 Member of *Toffler Leadership Awards Committee*
- 2018 Scientific event organization (jointly with graduate student) of *Jacquelin Goldman Fellowship & Scholarship Program in Developmental Psychology*
- 2018-2019 Chair of the CLAS Sabbatical Selection Committee
- 2018-2019 Member of *Search Committee (Open Area Quantitative Methods)*, Department of Psychology, University of Florida, Gainesville, FL, USA
- 2018-present Consulting Editor of *Psychology and Aging*
- 2018-present Consulting Editor of *Journal of Experimental Psychology: General*
- 2018 Ad-hoc Reviewer, Special Emphasis Panel/Scientific Review Group ZRG1 RPHB-V (56), Risk, Prevention and Health Behavior, *Social Psychology, Personality and Interpersonal Processes Study Section (SPIP)*, National Institutes of Health
- 2018 Ad-hoc Reviewer, Special Emphasis Panel/Scientific Review Group ZRG1 BBBP-T (56), *Biobehavioral and Behavioral Processes (BBBP)*, National Institutes of Health
- 2018 Early Career Reviewer (ECR) of *Biobehavioral Mechanisms of Emotion, Stress and Health (MESH)* Study Section, Center for Scientific Review, National Institutes of Health (NIH)



- 2017-present Member of the *Policy and Planning Committee*, Department of Psychology, University of Florida
- 2017-2018 CLAS Professional Development Leave Selection Committee
- 2017-present Member of the *McKnight Brain Institute Outreach and Education Committee*
- 2017-2019 Associate Editor of *Cognition & Emotion*
- 2017 Member of the *Programme Committee for 7<sup>th</sup> Workshop for Socio-Technical Aspects in Security and Trust (STAST)*, University of Luxembourg, Luxembourg
- 2016 Reviewer for *Cluff Awards for Aging Research Committee*, Institute on Aging, University of Florida, Gainesville, FL, USA
- 2016 External consultant for doctoral thesis in *International Max Planck Research School: The Life Course: Evolutionary and Ontogenetic Dynamics (LIFE)*
- 2015-present T32 Mentor in *NIH/NIA Research Training in Non-Pharmacological Interventions for Cognition in Aging, MCI, and Alzheimer's Disease* (T32AG020499; before 2020: *Aging Training: Physical, Cognitive, and Mental Health in Social Context*), University of Florida, Gainesville, FL, USA
- 2015 External examiner for *Doctor of Philosophy Theses at Graduate Research School*, University of Otago, Dunedin, New Zealand
- 2014-2019 Associate Editor of *Emotion Science* (specialty section *Frontiers in Psychology*)
- 2014, 2016, 2017 *Area Director of Admissions, Developmental Psychology Area*, Department of Psychology, University of Florida, Gainesville, FL, USA
- 2014-2015  
2022-2024 *Merit Committee*, University of Florida, Gainesville, FL, USA
- 2013-2014 Guest Editor of *Emotion Science* (specialty section of *Frontiers in Psychology*)
- 2013-2018 *VA/UF Institute on Aging, Clinical Translational Aging Research Series Activity Planning Committee*, University of Florida, Gainesville, FL, USA
- 2013, 2015 Coordinator of *Developmental Area Brown Bag*, Department of Psychology, University of Florida, Gainesville, FL, USA
- 2013, 2021 *Gerber Developmental Research Award Committee*, University of Florida, Gainesville, FL, USA
- 2012-2019,  
2020-present *Departmental Space Committee* (chair since 2017), Department of Psychology, University of Florida, Gainesville, FL, USA
- 2012-2015 &  
2021-present *Jacquelin Goldman Fellowship & Scholarship Program in Developmental Psychology Committee*, Department of Psychology, University of Florida, Gainesville, FL, USA

- 2011-2019 *University Scholars Program* Faculty Member, University of Florida, Gainesville, FL, USA
- 2011, 2015, 2018 *Commencement Marshal*, University of Florida, Gainesville, FL, USA
- 2009 External examiner for *Doctor of Philosophy Theses at Graduate Research School*, University of New South Wales, Sydney, Australia
- 2009 Reviewer *Retirement Research Foundation Doctoral Dissertation Award in the Psychology of Aging*, American Psychological Association, Division 20
- 2004-2005 Representative of the scientific staff in the *Researchers' Council* at the Max Planck Institute for Human Development, Berlin, Germany
- 2002-2003 Representative of the doctoral students at Max Planck Institute for Human Development, Berlin, Germany

**Ad hoc reviewer**

Grants:

Austrian Science Fund (FWF)  
Canada Research Chair (CRC)  
Early Career Reviewer (ECR) Program at the Center for Scientific Review (CSR), National Institutes of Health (NIH)  
Florida State University, Intramural Grant Program  
National Institutes of Health (NIH) Risk, Prevention and Health Behavior, Social Psychology, Personality and Interpersonal Processes (SPIP); Biobehavioral and Behavioral Processes (BBBP); The Mechanisms of Emotion, Stress and Health (MESH)  
Social Sciences and Humanities Research Council of Canada (SSHRC)  
McKnight Research Foundation (MBRF)  
National Science Foundation (Social Psychology Program, Decision Risk, and Management Sciences Program)  
Swiss National Science Foundation  
UK SBS (Shared Business Services)  
University of South Florida Intramural Grants Program  
US-Israel Binational Science Foundation  
Velux Stiftung, Switzerland  
Scientific Research Network on Decision Neuroscience and Aging

Scientific journals:

Acta Psychologica; Aging Brain; Aging, Neuropsychology, and Cognition; Behavior Research Methods; Biological Psychiatry; Brain Research; Canadian Journal of Pain Management; Cognition and Emotion; Cognitive, Affective, and Behavioral Neuroscience; Cortex; Current Directions in Psychological Science; Developmental Psychology; Emotion; European Journal of Personality; European Journal of Social Psychology; European Psychologist; Experimental Psychology; Frontiers in Emotion Science; Frontiers in Perception Science; Human Brain Mapping; International Journal of Behavioral Development; International Journal of Psychology; Journal of Elder Abuse and Neglect; Journal of Experimental Psychology: General; Journal of Alzheimer's Disease; Journal of Experimental Psychology: Human Perception and Performance;

Journals of Gerontology: Psychological Sciences; Journals of Gerontology: Medical Sciences; Journal of Personality; Memory; Motivation and Emotion; Neurobiology of Aging; Neurocase; Neuroscience and Biobehavioral Reviews; Psychological Bulletin; Psychology and Aging; Psychophysiology; Proceedings of the National Academy of Sciences; Science; Self and Identity; Social Cognition; Social Neuroscience; Social Psychological and Personality Science; Transactions on Computer-Human Interaction; Translational Psychiatry; Trends in Cognitive Sciences; Zeitschrift für Entwicklungspsychologie und Pädagogische Psychologie [Journal for Developmental and Educational Psychology]

Book publishers:

Pearson Education; Routledge Taylor Francis

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## PROFESSIONAL AFFILIATIONS

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American Psychological Association (APA); Association for Psychological Science (APS); Florida Consortium on the Neurobiology of Cognition (FCNC); Gerontological Society of America (GSA); International Society for Behavioural Neuroscience (ISBN); Social and Affective Neuroscience Society (SANS); Society for Cognitive Neuroscience (CNS); Society for Human Brain Mapping (OHBM); Society for Social Neuroscience (S4SN); Society for Neuroscience (SfN)

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## MEDIA

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Older age shown as major risk factor in falling for phishing scams, August 12, 2024

<https://mbi.ufl.edu/2024/08/12/older-age-shown-as-major-risk-factor-in-falling-for-phishing-scams/>

Are older adults more susceptible to scams?, June 24, 2024

<https://www.audacy.com/podcast/wwl-first-news-with-tommy-tucker-34f17/episodes/are-older-people-more-susceptible-to-scams-a58e4>

Are older adults more vulnerable to scams? What psychologists have learned about who's most susceptible, and when, June 11, 2024

<https://theconversation.com/are-older-adults-more-vulnerable-to-scams-what-psychologists-have-learned-about-whos-most-susceptible-and-when-227991>

Gainesville law enforcement, researchers weigh the impact of rising online scams, May 28, 2024

<https://www.alligator.org/article/2024/05/gainesville-law-enforcement-researchers-weigh-the-impact-of-rising-online-scams>

Older adults rely more on trust in decision making. It could open them up to scams, February 12, 2024

<https://news.ufl.edu/2024/02/elderly-scams/>

Facing wolves in sheep's clothing: How younger and older adults differ in trust-related decision-making and learning, January 22, 2024

<https://communities.springernature.com/posts/facing-wolves-in-sheep-s-clothing-how-younger-and-older-adults-differ-in-trust-related-decision-making-and-learning>

In your brain: Deception risk, July 7, 2023

<https://open.spotify.com/episode/5E7P3LZiyy0zk0FJFk4fzw?si=37950ca871c341fc>

Recognizing fraud as we age, November 1, 2022

<https://www.ocalastyle.com/recognizing-fraud-as-we-age/>

Aging and fake news: It's not the story you think it is, May 2, 2022

<https://news.ufl.edu/2022/05/aging-adults-fake-news/>

Aging in an “Infodemic”: The Role of Cognition, Affect, and Experience on News Veracity Detection during the COVID-19 Pandemic, February 2022

<https://trust.jou.ufl.edu/trust-research/>

Newly Funded Psychology Research Looks to Improve Alzheimer’s Navigation Impairment, CLAS Connected, March 2021

<https://news.clas.ufl.edu/newly-funded-psychology-research-looks-to-improve-alzheimers-navigation-impairment/>

Smart Cybersecurity Network (SERENE-RISC), February 2020

<https://www.cybercrimeology.com/episodes/goldphish-memories-aging-and-susceptibility-to-fraud>

Senior Living Executive, January, 2020

<http://content.yudu.com/web/406u7/0A40767/SLEJan.Feb2020/html/index.html?page=39&origin=reader>

Tales of the Future...Older, December 2019

<https://podcasts.apple.com/us/podcast/design-your-age/id1352169283>

IHMC, <https://youtu.be/G9vcnP8vWMc>, November 2019

CNBC, August 2019

<https://www.cnbc.com/2019/08/27/security-researcher-tips-to-avoid-falling-for-gmail-phishing-scams.html>

NPR Marketplace, May 2019

<https://www.marketplace.org/shows/marketplace-tech/can-tech-help-protect-aging-brains-from-online-scams/>

Design Your Age in Podcasts, April 2019

<https://podcasts.apple.com/us/podcast/design-your-age/id1352169283>

Society for Neuroscience: Neuroscience 2018 *Hot Topic*, November 2018

Uncovering age-related vulnerabilities in trust-related decision making: A brain-behavior analysis

UF News: Teaming up to fight phishing, August 2018

<https://news.ufl.edu/articles/2018/08/teaming-up-to-fight-phishing.html>

UF Explore: Phish in a barrel, May 2018

<https://explore.research.ufl.edu/phish-in-a-barrel.html>

UF CLAS: The key to successful aging, May 2018

<https://ufliberalartsandsciences.exposure.co/the-key-to-successful-aging>

CNBC: As you age, your brain becomes less able to detect fraud; April, 2018

<https://www.cnbc.com/2018/04/30/aging-brains-become-less-able-to-detect-fraud.html>

## WORKSHOP PARTICIPATION

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- 2020 *Many Labs*, Scientific Research Network on Decision Neuroscience and Aging (SRNDNA; sponsored by NIH/NIA), Oahu, HI, USA (Dr. G. Samanez-Larkin)
- 2019 Select attendee of Dagstuhl Seminar on *Cybersecurity Threats – from Deception to Aggression*, Leibniz Center for Informatics in Dagstuhl, Germany
- 2019 *Data Pooling and Harmonization across Labs*, Scientific Research Network on Decision Neuroscience and Aging (SRNDNA; sponsored by NIH/NIA), Miami, FL, USA (Dr. G. Samanez-Larkin)
- 2017 *Tools of Trade Workshop: Human Neuroimaging Methods and Best Practices*, UCLA Luskin Center, Los Angeles, CA (Dr. R. Poldrack)
- 2014 *Transcranial Direct-Current Stimulation*, University of Florida, Gainesville, USA (Dr. A. Woods, Dr. M. Bikson, Dr. H. Knotkova)
- 2014 *Moment-to-Moment Brain Signal Variability and Dynamics: Leveraging “Noise” as “Signal” in the Study of Human Aging and Cognition*, Cognitive Aging Preconference Workshop, Atlanta, USA (Dr. D. Garrett)
- 2012 *NSF CAREER Workshop*, Office of Research and Facilities, University of Florida, Gainesville, USA (M. Hilleary, Dr. J. Curtis)
- 2012 *Write Winning Grant Proposals*, University of Florida, IFAS Dean for Research
- 2011 *Connectivity Analysis*, Yale University, New Haven, USA (Dr. G. McCarthy)
- 2009 *Doing Emotions: Past, Present, Future—A Multidisciplinary Conference on Emotions*, Max Planck Institute for Human Development, Berlin, Germany
- 2008 *fMRI Image Acquisition and Analyses Course with SPM5 and ICA*, MIND Research Network, Albuquerque, USA (Drs. K. Kiehl, V. Calhoun, & T. Wager)
- 2005 *NeuroImaging Workshop*, NeuroImagingCenter Berlin, Germany
- 2005 *Advanced Topics in MR Imaging of the Brain*, F.C. Donders Centre for Cognitive Neuroimaging, Nijmegen, Netherlands (Dr. D. Norris)
- 2004 *Personal Goals*, University of Halle, Halle, Germany (Dr. J. Stöber)
- 2004 *Spring-School on fMRI in Psychological Research*, Bender Institute of Neuroimaging, Giessen, Germany (Dr. D. Vaitl)
- 2004 *Life by the Numbers: The Science of Experience Sampling*, Max Planck Institute for Human Development, Berlin, Germany (Drs. L. Feldman Barrett & M. Tugade)

- 2002            *Structural Equation Modeling in Longitudinal Research*, Max Planck Institute for Human Development, Berlin, Germany (Drs. J. J. McArdle, J. R. Nesselroade, & P. Ghisletta)
- 2002            *Scientific Writing*, University of Heidelberg, Heidelberg, Germany (Dr. J. Funke)