

CURRICULUM VITAE

NATALIE C. EBNER, Ph.D.

DEPARTMENT OF PSYCHOLOGY

UNIVERSITY OF FLORIDA

P.O. BOX 112250

GAINESVILLE, FL 32611, USA

PHONE: (1) 203-691-0371; EMAIL: natalie.ebner@ufl.edu

WEBSITE: [HTTPS://EBNERLAB.PSYCH.UFL.EDU/](https://ebnerlab.psych.ufl.edu/)

RESEARCH STATEMENT

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

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

PROFESSIONAL APPOINTMENTS

2026-present	Leadership Team, Interinstitutional Age-related Memory Loss (ARML) Program, McKnight Brain Research Foundation
2026-present	Associate Director (Research Integration), Institute on Aging, College of Medicine, University of Florida, Gainesville, FL, USA
2026-present	Courtesy Affiliate Professor, Department of Neurology, College of Medicine & Norman Fixel Institute for Neurological Diseases, University of Florida, Gainesville, USA

2024-present	Associate Director, Cognitive Aging and Memory (CAM) Clinical Translational Research Program (Faculty Engagement and the Luttge Lecture Series), McKnight Brain Institute, College of Medicine, 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 (CARE), 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-present	Adjunct Faculty, Institute on Aging, College of Medicine, University of Florida, Gainesville, FL, USA
2013-2024	Affiliate Faculty, CAM-Center, 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

- 2026 Max Planck Institute for Human Development Visiting Research Fellow
- 2023-present Executive Board Member, Scientific Research Network on Decision Neuroscience and Aging (SRNDNA)
- 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 \$37,470,000 accumulated in my roles as PI/co-I/Senior Personnel or Sponsor of Early-Career Faculty/Trainees since 2011

- 09/01/2026-08/31/2031 Research Grant: NIH/NIA - R01AG103545
Understanding and enhancing interoception toward reducing exploitation risk in aging and ADRD: Mechanisms and trainability
 MPIs: **Ebner** (PI), Lighthall
 Total Award: \$3,223,566; UF indirects: \$955,664; Ebner directs: \$1,988,290; Ebner indirects: \$806,072
- 08/01/2026-07/30/2028 Research Grant: UF 2026 Research Opportunity Seed Fund (SRD-ROSF2026):
Multi-domain Study of Aging and Individualized Changes (MOSAIC)
 MPI: **Ebner** (Co-PI), Rossi, Wulff, Feldhammer, Burukina
 Total Award: \$99,897
- 05/01/2026-04/30/2028 Research Grant: McKnight Brain Research Foundation CAMI Core Pilot Grant Program
Microbiome-oxytocin interplay in cognitive aging and social decision making: A randomized cross-over clinical and preclinical mechanistic analysis
 MPI: **Ebner** (PI), Hernandez
 Total Award: \$149,896; Ebner directs: \$75,200 (no indirects)
- 09/01/2025-08/31/2030 Training Grant: NIH/NIA - K01AG090746
Adapting Machine Learning Approaches to Identify a Robust Measure and Key Risk and Protective Factors of Change in Allostatic Load across the Adult Lifespan
 Primary Mentor: **Ebner** (PI: Chen)
 Total Award: \$633,297; UF indirects: \$46,912
- 08/01/2025-07/31/2029 Research Grant: Florida Department of Health Ed and Ethel Moore Alzheimer's Disease Research Program - 25A08
High Frequency Stimulation to Improve Cognition, Mobility, and Affect in Individuals with Subjective Cognitive Decline
 MPIs: **Ebner** (Co-PI), Seidler
 Total Award: \$349,602; UF indirects: \$45,601
- 03/04/2025-03/03/2026 Research Grant: McKnight Brain Institute's Accelerator Program
High-Frequency Sensory Flicker Stimulation for Enhancing Behavior and Brain Function in Aging and Alzheimer's
 MPIs: **Ebner** (PI), Seidler
 Total Award: \$49,981.00
- 07/01/2025-06/30/2026 Research Grant: Center for Cognitive Aging and Memory (CAM) Pilot Program & matching funds UF's College of Medicine at Jacksonville
FLARE: Florida Leadership in Aging Research and Excellence: Synergizing Innovation in Healthy Aging at UF GNV and UF JAX
 Co-I: **Ebner** (PI: Rossi)
 Total Award: \$25,000
- 07/01/2025-06/30/2026 Research Grant: Center for Cognitive Aging and Memory (CAM) Pilot Program
Advancing Understanding of Interoceptive Function in Older Adults
 Co-I: **Ebner** (PI: Waters)

Total Award: \$30,000

- 07/01/2025-06/30/2026 Research Grant: Center for Cognitive Aging and Memory (CAM) Pilot Program
Medical Ketamine: Delineating Memory and Cognitive Risks in Aging
MPIs: **Ebner** (Co-PI), Berry
Total Award: \$35,000
- 06/01/2025-07/01/2030 Instrumentation Grant: UF 2025 Research Equipment Seed Fund
UFR-RESF2025: Wireless Mobile Electroencephalography (WM-EEG) – A Methodological Upgrade to Record Brain Activities in Dynamic and Diverse Environments
Co-I: **Ebner** (PI: Wu)
Total Award: \$191,259
- 02/01/2025-06/30/2026 Research Grant: UF 2025 Spark Grants Program
New Language Training and Machine Learning as Tools to Measure and Promote Neurocognitive Resilience in Mild Cognitive Impairment: A Pilot Study
Co-I: **Ebner** (PI: Rossi)
Total Award: \$9,450
- 05/01/2025-06/30/2027 Research Grant: McKnight Brain Research Foundation CAMI Core Pilot Grant Program
A Novel Intervention to Address Orientation and Navigation Declines with Aging
MPI: **Ebner** (Co-PI), Ekstrom, Weisberg
Total Award: \$149,896; Ebner directs: \$75,758 (no indirects)
- 01/01/2025-12/31/2025 Research Grant: NIH/NIA Scientific Research Network on Decision Neuroscience and Aging (SRNDNA)
Age-Related Deception Detection Deficits in Face-to-Face Dyadic Interactions: A Mechanistic Analysis
Mentor/PI: **Ebner** (Trainee/PI: Shoenfelt)
Total Award: \$23,983; UF indirects: \$5,933; Ebner directs: \$18,050; Ebner indirects: \$5,933
- 09/18/2024-08/31/2029 Research Grant: NIH/NIA - R01AG089050
Neural Correlates of Cognitive-Motor Interactions in ADRD Gait
Co-I: **Ebner** (PI: Seidler)
Total Award: \$3,984,548; UF indirects: \$2,071,965; Ebner directs: \$46,884 Ebner indirects: \$24,614
- 01/01/2024-04/30/2025 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: NIH/NIA 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** (Trainee/PI: Perez; Mentor/PI: Weisberg)

Total Award: \$24,000; UF indirects: \$12,480

- 06/01/2023-05/31/2028 Research Grant: NIH/NIDA - R61DA056922/R33DA056922
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 CAMI Core Pilot Grant
Program 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 Training Grant: NIH/NIA - K01AG070333-01
Critical Life Event Supplement to K01-AG070333-02
Primary Mentor: **Ebner** (PI: Weisberg)
Total Award: \$70,000 (no indirects)
- 05/01/2023-04/30/2026 (NCE) Research Grant: NIH/NIA - 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 Training 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
- 06/01/2021-05/31/2026 (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 Research Grant: NIH/NIA - R01AG059809-04S1 (Diversity Supplement)
Mechanisms of Oxytocin's Analgesia in Older Adults (Diversity Supplement Cochran)
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, Bamman)
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)
- 09/01/2020-06/30/2026 (NCE) Research Grant: NIH/NIA - R01AG057764-01A1 (Diversity Supplement)
Uncovering and Surveilling Financial Deception Risk in Aging (Diversity Supplement Heemskerk)
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
- 07/15/2019-06/30/2026 (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
- 09/01/2018-06/30/2026 (NCE) Research Grant: NIH/NIA - R01AG057764
Uncovering and Surveilling Financial Deception Risk in Aging
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)
- 08/01/2018-04/30/2026 (NCE) Research Grant: NIH/NIA - R01AG059809
Mechanisms of Oxytocin's Analgesia in Older Adults
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; 131 ARTICLES; 12 CHAPTERS)

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

Articles

*Frei, V., Lighthall, N. R., *Faulkner, R., *El-Shafie, D., Lin, T., ten Brinke, L., Wilson, R. C., & **Ebner, N. C.** (2026). The Social Iowa Gambling Task: A promising tool for assessing deception detection in real-world contexts in adulthood. [Special issue]. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 81(6):gbag046. DOI: 10.1093/geronb/gbag046. PMID: 41863328; PMC13595834.

*Judkins, T. C., *Andrews, H. J., Song, Q., Clark, E. I., Tate, C., Wais, J. I., Fillingim, R., Huo, Z., DeKosky, S. T., Gower, B., Cohen, R. A., **Ebner, N. C.**, Cruz-Almeida, Y., & Strath, L. J. (2026). Pain and Nutrition in Dementia and Alzheimer's Phase 1 (PANDA-1): A cross-sectional, observational study design. *Frontiers in Dementia*, 5. DOI:10.3389/frdem.2026.1789761. PMID: 41988414; PMCID: PMC13076255.

Martinez, K. J., Fitzgerald, B., Weber, M., Calaway, C., Gastaldo, R. N., Elkins, E., Considine, K. M., Wang, J., Jiang, H., **Ebner, N. C.**, & Signorile, J. F. (2026). Randomized trial comparing effects of high-speed cued yoga and Hatha yoga on cognitive and neuromuscular performance in older adults. *Scientific Reports*. <https://doi.org/10.1038/s41598-026-68035-2>

- Moarefi, M., Martinez, K. J., Gameiro, G. R., Hoover, A., Fitzgerald, B., Rich, C., Signorile, J. F., **Ebner, N. C.**, Wang, J., & Jiang, H. (2026). Retinal neurovascular and mitochondrial function signatures related to cognition improvement following yoga exercise in older adults. *PLoS One*, 21(9):e0357464. DOI: 10.1371/journal.pone.0357464. PMCID: PMC13533345; PMID: 42678947.
- *Pehlivanoglu, D., *Zhu, M., *Zhen, J., *Gagnon-Roberge, A. A., *Kern, R. K., Woodard, D., Cahill, B. S., & **Ebner, N. C.** (2026). Is this real? Susceptibility to deepfakes in machines and humans. *Cognitive Research: Principles and Implications*, 11(1):3. DOI: 10.1186/s41235-025-00700-y. PMID: 41501543; PMCID: PMC12779810.
- *Perez, E., *Shoenfelt, A., *Frazier, I., *El-Shafie, D., Lin, T., Lighthall, N. R., & **Ebner, N. C.** (2026). The influence of social cues in learning and decision-making over time. *Frontiers in Psychology*. DOI: 10.3389/fpsyg.2026.1691925. PMID: 42602255; PMCID: PMC13473424.
- *Wang, S., *Hakim, Z., Pehlivanoglu, D., **Ebner, N. C.**, & Wilson, R. C. (2026). Decomposing trust-related decision making: Dimensionality and predictability of phishing susceptibility in and adult lifespan sample. [Special issue]. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 81(8):gbag090. DOI: 10.1093/geronb/gbag090. PMID: 42166734; PMCID: PMC13592734.
- *Wright, K. A., Horta, M., *Hayes, A., & **Ebner, N. C.** (2026). Oxytocin as regulator of stress and inflammation in aging. *Neuroscience and Biobehavioral Reviews*, 190, 106924. DOI: 10.1016/j.neubiorev.2026.106924. PMID: 42642009; PMCID: PMC13602269.
- *Barnas, A. J., *Kunath, J., *Perez, E., *Boogaart, Z., Bowers, D., **Ebner, N. C.**, & Weisberg, S. (2025). Spatial navigation strategy in older adults: Preference or ability? *Psychology and Aging*, 40(5):462-478. DOI: 10.1037/pag0000896. PMID: 40257916; PMCID: PMC12289431.
- Chen, S., Koning, S., Polos, J., Lam, P., Hargrove, T., **Ebner, N. C.**, Aronoff, J., & McDade, T. (2025). Teacher unfairness in adolescence, educational attainment, and adult health: The role of school- and individual-level perceptions tested in a national cohort study. *SSM - Population Health*, 30:101810. DOI: 10.1016/j.ssmph.2025.101810. PMID: 40959776; PMCID: PMC12434590.
- Cruz-Almeida, Y., *Montesino Goicolea, S., *Valdes Hernandez, P., Huo, Z., Staud, R., & **Ebner, N. C.** (2025). Understanding Cognition, Oxytocin, and Pain in Elders (UCOPE): Protocol for a double-blinded cross-over trial in chronic knee osteoarthritis pain. *Trials*, 26:44. DOI: 10.1186/s13063-024-08715-4. PMID: 39920837; PMCID: PMC11806790.
- *Hong, J. S., *Bätz, L. R., *Ye, S., Reutens, D., **Ebner, N. C.**, & Ziaei, M. (2025). Similar neural networks for anger and pride in older adults. *Neuropsychologia*, 209:109087. DOI: 10.1016/j.neuropsychologia.2025.109087. PMID: 39922456.
- *Hughes, C., **Ebner, N. C.**, *Pehlivanoglu, D., *Heemskerk, A., Lin, T., ten Brinke, L., Turner, G. R., & Spreng, R. N. (2025). Dissociable brain activity for high-stakes deception detection in younger and older adults. *Social Cognitive and Affective Neuroscience*, 20(1). DOI: 10.1093/scan/nsaf088. PMID: 40891901; PMCID: PMC12476139.
- Iversen, I. A., Alaerts, K., Bakermans-Kranenburg, M., Becker, B., Blair, R. J., Bartz, J. A., Connelly, J. J., Ditzen, B., **Ebner, N. C.**, Kang, H., Lawson, E. A., Lønfeldt, N. N., Moerkerke, M., Montag, C., Mora-Jensen, A-R. C., Horta, M., Peled-Avron, L., Procyshyn, T., L., Sartorius, A. I.,

Scheele, D., Schneider, E., Theofanopoulou, C., Yamasue, H., & Quintana, D. S. (2025). The active monitoring of oxytocin research evidence (AMORE) platform. *Psychoneuroendocrinology*, 107713. <https://doi.org/10.1016/j.psyneuen.2025.107713>

*Phillips, J. R., Weidemann, G., **Ebner, N. C.**, & Bailey, P. E. (2025). Advice-taking for objective face age estimates relative to subjective face trustworthiness estimates. *Behavioral Sciences*, 15(6), 809. DOI: 10.3390/bs15060809. PMID: 40564591; PMCID: PMC12189425.

*Polk, R., *Wright, K., Lin, T., *Krol, K., *Perkeybile, A., Nazarloo, H., Carter, C. S., Connelly, J., & **Ebner, N. C.** (2025). Interplay of plasma oxytocin and oxytocin receptor gene methylation levels on empathy in older adults. *Scientific Reports*, 18(1):26057. DOI: 10.1038/s41598-025-07353-3. PMID: 40681546; PMCID: PMC12274532.

*Schotz, J., *Lam, T., **Ebner, N. C.**, & Lighthall, N. R. (2025). Social versus nonsocial visual cues of trustworthiness uniquely influence trust related behavior and memory. *Scientific Reports*, 15(1):36153. DOI: 10.1038/s41598-025-17094-y. PMID: 41102235; PMCID: PMC12533057.

*Shoenfelt, A., Isaacowitz, D. M., & **Ebner, N. C.** (2025). Eye tracking in aging: Challenges, best practices, and novel frontiers. *ACM Transactions on Applied Perception*. DOI: 10.1145/3733834. [Epub ahead of print] PMID: 41368321; PMCID: PMC12685010.

*Wang, S., Wilson, R. C., **Ebner, N. C.**, & Lighthall, N. R. (2025). Modeling value integration during decision making under uncertainty with the Florida and Georgia gambling task. *Scientific Reports*, 15(1):36826. DOI: s41598-025-08333-3. PMID: 41125624; PMCID: PMC12546697.

*Wright, K. A., *Polk, R. J., Lin, T., Chen, S., *Yang, J., *Krol, K., *Perkeybile, A., Mendez, A., Connelly, J., & **Ebner, N. C.** (2025). Unraveling the impact of oxytocin receptor gene methylation on stress and inflammation in older adults. *Journal of Neuroendocrinology*. DOI: 10.1111/jne.70113. PMID: 41239825. PMCID: PMC12721307.

*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. DOI: 10.1016/j.copsyc.2023.101768. PMID: 38104362. PMCID: PMC10939782.

*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.** (2024). Interoceptive accuracy enhances deception detection in older adults. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 79(11), gbae151. DOI: 10.1093/geronb/gbae151. PMID: 39297532; PMCID: PMC11500658.

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.

*Hughes, C., *Pehlivanoglu, D., *Heemskerk, A., *Polk, R., Turner, G. R., **Ebner, N. C.**, & Spreng, R. N. (2024). Age differences in mental state inference of sarcasm: Contributions of facial emotion recognition and cognitive performance. *The Journals of Gerontology, Series B*:

Psychological Sciences and Social Sciences. DOI: 10.1093/geronb/gbae188. PMID: 39533851. PMCID: PMC11672109.

Lin, T., *Rana, M., *Liu, P., *Polk, R., *Heemskerk, A., Weisberg, S. M., Bowers, D., Sitaram, R., & **Ebner, N. C.** (2024). Real-time fMRI neurofeedback training of selective attention in older adults. *Brain Sciences*, 14(9), 931. DOI: 10.3390/brainsci14090931. PMID: 39335425; PMCID: PMC11430676.

*Liu, P., Lin, T., Fischer, H., Feifel, D., & **Ebner, N. C.** (2024). Effects of four-week intranasal oxytocin administration on large-scale brain networks in older adults. *Neuropharmacology*. DOI: 10.1016/j.neuropharm.2024.110130. PMID: 39182569; PMCID: PMC11752694.

*Pehlivanoglu, D., *Shoenfelt, A., *Hakim, Z., *Heemskerk, A., *Zhen, J., Mosqueda, M., Wilson, R. C., Huentelman, M., Grilli, M. D., Turner, G. R., Spreng, R. N., & **Ebner, N. C.** (2024). *PNAS Nexus*, 3(8):pgae296. Phishing vulnerability compounded by older age, APOE4 genotype, and lower cognition. DOI: 10.1093/pnasnexus/pgae296. PMID: 39118834; PMCID: PMC11309394.

*Shoenfelt, A., *Pehlivanoglu, D., Lin, T., Ziaei, M., Feifel, D., & **Ebner, N. C.** (2024). Effects of chronic intranasal oxytocin on visual attention to faces vs. natural scenes in older adults. *Psychoneuroendocrinology*, 164, 107018. DOI: 10.1016/j.psyneuen.2024.107018. PMID: 38461634; PMCID: PMC11699979.

Weisberg, S. M., **Ebner, N. C.**, & Seidler, R. D. (2024). Getting LOST: A conceptual framework for supporting and enhancing spatial navigation in aging. *Wiley Interdisciplinary Reviews. Cognitive Science*, 15, 1669. DOI: 10.1002/wcs.1669. PMID: 37933623; PMCID: PMC10939954.

*Xiao, S., **Ebner, N. C.**, *Dang, D., *Rukh, G., Westberg, L., Schioth, H. B., & Fischer, H. (2024). Associations between genetic variations in oxytocin pathway genes and hippocampal volume: Insights from the UK Biobank. [Special issue]. *Cortex*, 183:211-219. DOI: 10.1016/j.cortex.2024.11.017. PMID: 39736190.

*Xiao, S., **Ebner, N. C.**, *Manzouri, A., Li, T.-Q., *Cortes, D. S., Månsson, K. N.T., & Fischer, H. (2024). Age-dependent effects of oxytocin in brain regions enriched with oxytocin receptors. *Psychoneuroendocrinology*, 160:106666. DOI: 10.1016/j.psyneuen.2023.106666. PMID: 37951085; PMCID: PMC10841644.

*Xiao, S., Fischer, H., **Ebner, N. C.**, *Rukh, G., *Dang, D., Westberg, L., & Schioth, H. B. (2024). Oxytocin pathway gene variation and corticostriatal resting-state functional connectivity. *Comprehensive Psychoneuroendocrinology*, 20:100255. DOI: 10.1016/j.cpnec.2024.100255. PMID: 39211730; PMCID: PMC11357861.

Brun, Y., Lin, T., *Somerville, J. E., *Myers, E., & **Ebner, N. C.** (2023). Blindspots in Python and Java APIs result in vulnerable code. *ACM Transactions on Software Engineering and Methodology*, 32, 76. <https://doi.org/10.1145/3571850>

Ebner, N. C., *Pehlivanoglu, D., *Shoenfelt, A. D. (2023). Financial fraud and deception in aging. *Advances in Geriatric Medicine and Research*, 5(3):e230007. DOI: 10.20900/agmr20230007. PMID: 37990708; PMCID: PMC10662792.

Fischer, H., Nilsson, M., E., & **Ebner, N. C.** (2023). Why the single-N design should be the default in affective neuroscience. *Affective Science*, 5(1):62-66. DOI: 10.1007/s42761-023-00182-5. PMID: 38495781; PMCID: PMC10942943

- Horta, M., *Polk, B., & **Ebner, N. C.** (2023). Single dose intranasal oxytocin administration: Data from healthy younger and older adults. *Data in Brief*, 51:109669. DOI: 10.1016/j.dib.2023.109669. PMID: 38020441; PMCID: PMC10630614 (OpenNeuro. [Dataset] doi:10.18112/openneuro.ds004725.v1.0.1)
- Lin, T., *Heemskerk, A., *Harris, E. A., & **Ebner, N. C.** (2023). Risk perception and conspiracy theory endorsement predict compliance with COVID-19 public health measures. *British Journal of Psychology*, 114(1), 282–293. DOI: 10.1111/bjop.12613. PMID: 36414246.
- *Pehlivanoglu, D., *Lin, T., Lighthall, N. R., *Heemskerk, A., Harber, A., Wilson, R. C., Turner, G. R., Spreng, R. N., & **Ebner, N. C.** (2023). Facial trustworthiness perception across the adult lifespan. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 78(3):434-444. DOI: 10.1093/geronb/gbac166. PMID: 36242775; PMCID: PMC10215979
- *Wright, K., *Polk, R., Lin, T., Feifel, D., & **Ebner, N. C.** (2023). Four-week intranasal oxytocin administration reduces attachment avoidance in older women. *Hormones and Behavior*, 155:105413. DOI: 10.1016/j.yhbeh.2023.105413. PMID: 37659357; PMCID: PMC10961710.
- Bailey, P. E., *Leon, T., **Ebner, N. C.**, Moustafa, A. A., & Weidemann, G. (2023). A meta-analysis of the weight of advice in decision making. *Current Psychology*, 42(28):24516-24541. DOI: 10.1007/s12144-022-03573-2. PMID: 39711945; PMCID: PMC11661855.
- *Lin, T., *Horta, M., *Heald, K., *Heemskerk, A., *Darboh, B., *Levi, A., Spreng, R. N., Turner, G. R., & **Ebner, N. C.** (2022). Loneliness progression among older adults during the early phase of the COVID-19 pandemic in the United States and Canada. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 77(4), e23-e29. DOI: 10.1093/geronb/gbab229. PMID: 34905015. PMCID: PMC8974322.
- *Lin, T., *Pehlivanoglu, D., *Ziaei, M., *Liu, P., Woods, A. J., Feifel, D., Fischer, H., & **Ebner, N. C.** (2022). Age-related differences in amygdala activation associated with face trustworthiness but no evidence of oxytocin modulation. [Special issue] *Frontiers in Psychology*, 13: 838642. DOI: 10.3389/fpsyg.2022.838642. PMID: 35814062; PMCID: PMC9262048
- *Liu, P., *Lin, T., Feifel, D., & **Ebner, N. C.** (2022). Intranasal oxytocin modulates the salience network in aging. *NeuroImage*, 253, 119045. DOI: 10.1016/j.neuroimage.2022.119045. PMID: 35259525. PMCID: PMC9450112.
- *Pehlivanoglu, D., Lighthall, N. R., *Lin, T., *Chi, K., *Polk, R., *Perez, E., Cahill, B. S., & **Ebner, N. C.** (2022). Aging in an “infodemic”: The role of analytical reasoning, affect, and news consumption frequency on news veracity detection. *Journal of Experimental Psychology: Applied*. DOI: 10.1037/xap0000426. PMID: 35499851, PMCID: PMC10066904.
- *Polk, R., *Horta, M., *Lin, T., Porges, E. C., *Ojeda, M., Nazarloo, H. P., Carter, C. S., & **Ebner, N. C.** (2022). Evaluating the neuropeptide-social cognition link in aging: the mediating role of basic cognitive skills. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 377, 1858. DOI: 10.1098/rstb.2021.0048. PMID: 35858076. PMCID: PMC9274329.
- *Rung, J. M., *Kidder, Q. A., *Horta, M., Nazarloo, H. P., Carter, C. S., Berry, M. S., & **Ebner, N. C.** (2022). Associations between alcohol use and peripheral, genetic, and epigenetic markers of

oxytocin in a general sample of young and older adults. *Brain and Behavior*, 12, e2425. DOI: 10.1002/brb3.2425. PMID: 35146961. PMCID: PMC8933764.

Ziaei, M., *Oestreich, L., Persson, J., Reutens, D. C., & **Ebner, N. C.** (2022). Neural correlates of affective empathy in aging: A multimodal imaging and multivariate approach. *Neuropsychology, Development, and Cognition. Section B, Aging, Neuropsychology, and Cognition*, 29, 577-598. DOI: 10.1080/13825585.2022.2036684. PMID: 35156904.

Bailey, P. E., **Ebner, N. C.**, Moustafa, A. A., *Phillips, J. R., *Leon, T., & Weidemann, G. (2021). The weight of advice in older age. *Decision*, 8(2), 123-132. <https://doi.org/10.1037/dec0000138>

Bailey, P. E., **Ebner, N. C.**, & Stine-Morrow, E. A. L. (2021). Introduction to the special issue on prosociality in adult development and aging: Advancing theory within a multilevel framework. *Psychology and Aging*, 36(1), 1-9. DOI: 10.1037/pag0000598. PMID: 33705181.

*Conner, L. B., *Horta, M., **Ebner, N. C.**, & Lighthall, N. R. (2021). Value network engagement and effects of memory-related processing during encoding and retrieval of value. *Brain and Cognition*, 152, 105754. DOI: 10.1007/s00213-021-05862-3. PMID: 34052683. PMCID: PMC8489736.

*Frazier, I., *Lin, T., *Liu, P., *Skarsten, S., Feifel, D., & **Ebner, N. C.** (2021). Age and intranasal oxytocin effects on trust-related decisions after breach of trust: Behavioral and brain evidence. *Psychology and Aging*, 36(1), 10-21. DOI: 10.1037/pag0000545. PMID: 33705182. PMCID: PMC8202094.

Grilli, M. D., *McVeigh, K. S., *Hakim, Z. M., *Wank, A. A., Getz, S. J., Levin, B. E., **Ebner, N. C.**, & Wilson, R. C. (2021). Is this phishing? Older age is associated with greater difficulty discriminating between safe and malicious emails. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 76(9), 1711-1715. DOI: 10.1093/geronb/gbaa228. PMID: 33378418. PMCID: PMC8557838.

*Hakim, Z. M., **Ebner, N. C.**, Oliveira, D. S., Getz, S. J., Levin, B. L., *Lin, T., *Lloyd, K., Lai, V. T., Grilli, M. D., & Wilson, R. C. (2021). The Phishing Email Suspicion Test (PEST) a lab-based task for evaluating the cognitive mechanisms of phishing detection. *Behavior Research Methods*, 53(3), 1342-1352. DOI: 10.3758/s13428-020-01495-0. PMID: 33078362. PMCID: PMC8188181.

*Huang, S., *Faul, L., *Sevinc, G., *Mwilambwe-Tshilobo, L., *Setton, R., *Lockrow, A., **Ebner, N. C.**, Turner, G. R., Spreng, R. N., & De Brigard, F. (2021). Age differences in intuitive moral decision-making: Associations with inter-network neural connectivity. *Psychology and Aging*, 36(8), 902-916. <https://doi.org/10.1037/pag0000633>. PMID: 34472915. PMCID: PMC9170131.

Lewis, B., *Price, J. L., *Garcia, C. C., **Ebner, N. C.**, & Nixon, S. J. (2021). The impact of emotional face stimuli on working memory performance among men and women with alcohol use disorder. *Addictive Behaviors*, 114, 106731. DOI: 10.1016/j.addbeh.2020.106731. PMID: 33218841. PMCID: PMC8406622.

*Lin, T., *Harris, E. A., *Heemskerk, A., Van Bavel, J. J., & **Ebner, N. C.** (2021). A multi-national test on self-reported compliance with COVID-19 public health measures: The role of individual age and gender demographics and countries' developmental status. *Social Science & Medicine*, 286, 114335. DOI: 10.1016/j.socscimed.2021.114335. PMID: 34450390. PMCID: PMC8378016.

*Pehlivanoglu, D., *Lin, T., *Deceus, F., *Heemskerk, A., **Ebner, N. C.**, & Cahill, B. (2021). The role of analytical reasoning and source credibility on the evaluation of real and fake full-length news articles. *Cognitive Research: Principles and Implications*, 6, 24. DOI: 10.1186/s41235-021-00292-3. PMID: 33788040. PMCID: PMC8012428

*Rung, J. M., *Horta, M., *Tammi, E. M., *Perez, E., *Ojeda, M. C., *Lin, T., *Harris, G., *Somerville, J., *Salmeron, D., Beltz, S. E., Sandesara, B., Feifel, D., & **Ebner, N. C.** (2021). Safety and tolerability of chronic intranasal oxytocin in older men: Results from a randomized controlled trial. *Psychopharmacology*, 238 (9), 2405–2418. <https://doi.org/10.1007/s00213-021-05862-3>. PMID: 33982141. PMCID: PMC8115997.

*Valdes-Hernandez, P., *Montesino-Goicolea, S., *Hoyos, L., Porges, E. C., Huo, Z., **Ebner, N. C.**, Woods, A. J., Cohen, R. A., Riley III, J. L., Fillingim R. B., & Cruz-Almeida, Y. (2021). Resting-state functional connectivity patterns are associated with worst pain duration in community-dwelling older adults. *PAIN Reports*, 6, 978. DOI: 10.1097/PR9.0000000000000978. PMID: 34901680. PMCID: PMC8660002.

*Valdes-Hernandez, P. A., *Polk, P., *Horta, M., *Frazier, I., *Perez, E., *Ojeda, M., Porges, E., Cruz-Almeida, Y., Feifel, D., & **Ebner, N. C.** (2021). Chronic oxytocin administration in older men modulates functional connectivity during animacy perception. *Aging Brain*, 1, 100023. DOI: 10.1016/j.nbas.2021.100023.

Ziaei, M., *Arnold, C., & **Ebner, N. C.** (2021). Age-related differences in expression recognition of faces with direct and averted gaze using dynamic stimuli. *Experimental Aging Research*, 47(5), 451-463. DOI: 10.1080/0361073X.2021.1902459 PMID: 33775238. PMID: 33775238.

*Ziaei, M., *Oestreich, L., Reutens, D. C., & **Ebner, N. C.** (2021). Age-related differences in negative cognitive empathy but similarities in positive affective empathy. *Brain Structure & Function*, 226(6), 1823–1840. DOI: 10.1007/s00429-021-02291-y. PMID: 34037867 PMCID: PMC8203543.

Anton, S. D., Cruz-Almeida, Y., Singh, A., Alpert, J., Bensadon, B., Cabrera, M., Clark, D. J., **Ebner, N. C.**, Esser, K. A., Fillingim, R. B., Goicolea, S. M., Han, S. M., Kallas, H., Johnson, A., Leeuwenburgh, C., Liu, A. C., Manini, T. M., Marsiske, M., Moore, F., Qiu, P., Mankowski, R. T., Mardini, M., McLaren, C., Ranka, S., Rashidi, P., Saini, S., Sibille, K. T., Someya, S., Wohlgemuth, S., Tucker, C., Xiao, R., & Pahor, M. (2020). Innovations in Geroscience to enhance mobility in older adults. *Experimental Gerontology*, 142, 111123. DOI: 10.1016/j.exger.2020.111123. PMID: 33191210. PMCID: PMC7581361.

Bailey, P. E., *Brady, B., **Ebner, N. C.**, & Ruffman, T. (2020). Effects of age on emotion regulation, emotional empathy, and prosocial behavior. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 75(4), 802–810. DOI: 10.1093/geronb/gby084. PMID: 30016531.

Ebner, N. C., *Ellis, D. M., *Lin, T., *Rocha, H. A., *Yang, H., *Dommaraju, S., *Soliman, A., Woodard, D. L., Turner, G. R., Spreng, R. N., & Oliveira, D. S. (2020). Uncovering susceptibility risk to online deception in aging. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 75(3), 522-533. <https://doi.org/10.1093/geronb/gby036>. PMID: 29669133. PMCID: PMC8921760.

Horta, M., *Kaylor, K., Feifel, D., & **Ebner, N. C.** (2020). Chronic oxytocin administration as a tool for investigation and treatment: A cross-disciplinary systematic review. *Neuroscience &*

Biobehavioral Reviews, 108, 1-23. DOI: 10.1016/j.neubiorev.2019.10.012. PMID: 31647964. PMCID: PMC6949379.

*Horta, M., *Pehlivanoglu, D., & **Ebner, N. C.** (2020). The role of intranasal oxytocin on social cognition: An integrative human lifespan approach. *Current Behavioral Neuroscience Reports*, 7(4), 175-192. <https://doi.org/10.1007/s40473-020-00214-5>. PMID: 33717829. PMCID: PMC7951958.

*Laurita, A. C., *DuPre, E., **Ebner, N. C.**, Turner, G. R., & Spreng, R. N. (2020). Default network interactivity during mentalizing about known others is modulated by age and social closeness. *Social Cognition and Affective Neuroscience*, 15, 537-549. DOI: 10.1093/scan/nsaa067 PMID: 32399555. PMCID: PMC7328027.

*Pehlivanoglu, D., *Myers, E., & **Ebner, N. C.** (2020). Tri-Phasic Model of Oxytocin (TRIO): A systematic conceptual review of oxytocin-related ERP research. *Biological Psychology*, 154, 107917. <https://doi.org/10.1016/j.biopsycho.2020.107917>. PMID: 32512020. PMCID: PMC7556712.

*Strickland-Hughes, C. M., *Dillon, K. E., West, R. L., & **Ebner, N. C.** (2020). Own-age bias in face-name associations: Evidence from memory and visual attention in younger and older adults. [Special issue] *Cognition*, 200, 104253. DOI: 10.1016/j.cognition.2020.104253 PMID: 32192981.

*Cortes, D. S., Laukka, P., **Ebner, N. C.**, & Fischer, H. (2019). Age-related differences in evaluation of social attributes from computer-generated faces of varying intensity. *Psychology and Aging*, 34(5), 686-697. DOI: 10.1037/pag0000364. PMID: 31157537.

Ebner, N. C., *Lin, T., *Muradoglu, M., *Weir, D. H., *Plasencia, G. M., *Lillard, T. S., Pournajafi-Nazarloo, H., Cohen, R. A., Carter, C. S., & Connelly, J. J. (2019). Associations between oxytocin receptor gene (*OXTR*) methylation, plasma oxytocin, and attachment across adulthood. *International Journal of Psychophysiology: Official Journal of the International Organization of Psychophysiology*, 136, 22–32. DOI: 10.1016/j.ijpsycho.2018.01.008 PMID: 29410310. PMCID: PMC6072619.

*Frazier, I., Lighthall, N. R., *Horta, M., *Perez, E., & **Ebner, N. C.** (2019). CISDA: Changes in Integration for Social Decisions in Aging. *Wiley Interdisciplinary Reviews. Cognitive Science*, 10(3), e1490. DOI: 10.1002/wcs.1490. PMID: 30605250. PMCID: PMC8142223.

*Holland, C., **Ebner, N. C.**, *Lin, T., & Samanez-Larkin, G. (2019). Emotion identification across adulthood using the Dynamic FACES database of emotional expressions in younger, middle aged, and older adults. *Cognition and Emotion*, 33(2), 245-257. DOI: 10.1080/02699931.2018.1445981. PMID: 29595363. PMCID: PMC6599511.

*Horta, M., *Ziaei, M., *Lin, T., *Porges, E. C., Fischer, H., Feifel, D., Spreng, R. N., & **Ebner, N. C.** (2019). Oxytocin alters patterns of brain activity and amygdalar connectivity by age during dynamic facial emotion identification. *Neurobiology of Aging*, 78, 42-51. DOI: 10.1016/j.neurobiolaging.2019.01.016 PMID: 30870779; PMCID: PMC6545147.

*Lin, T., Capecci, D., *Ellis, D., *Rocha, H., *Dommaraju S., Oliveira, D. S., & **Ebner, N. C.** (2019). Susceptibility to spear-phishing emails: Effects of internet user demographics and email content. *ACM Transactions on Computer-Human Interaction*, 26(5), 32, 1-28. DOI: 10.1145/3336141. PMC: 32508486. PMCID: PMC7274040.

- *Lin, T., Fischer, H., Johnson, M. K., & **Ebner, N. C.** (2019). The effects of face attractiveness on face memory depend on both age of perceiver and age of face. *Cognition and Emotion*, 34(5), 875–889. DOI: 10.1080/02699931.2019.1694491. PMID: 31747845. PMCID: PMC7237279.
- *Lussier, D., Cruz-Almeida, Y., & **Ebner, N. C.** (2019). Musculoskeletal pain and brain morphology: Oxytocin's potential as a treatment for chronic pain in aging. *Frontiers in Aging Neuroscience*, 11, 338. DOI: 10.3389/fnagi.2019.00338. PMID: 31920621. PMCID: PMC6923678.
- Oliveira, D. S., *Lin, T., *Rocha, H., *Ellis, D., *Dommaraju, S., *Yang, H., *Weir, D., *Marin, S., & **Ebner, N. C.** (2019). Empirical analysis of weapons of influence, life domains, and demographic-targeting in modern spam - An age-comparative perspective. *Crime Science*, 8(1), 1-14. DOI: <https://doi.org/10.1186/s40163-019-0098-8>. PMID: 31231604. PMCID: PMC6588014
- *Plasencia, G., Luedicke, J. M., Nazarloo, H. P., Carter, C. S., & **Ebner, N. C.** (2019). Plasma oxytocin and vasopressin levels in young and older men and women: Functional relationships with attachment and cognition. *Psychoneuroendocrinology*, 110, 104419. DOI:10.1016/j.psyneuen.2019.104419. PMID: 31606581; PMCID: PMC6943921.
- *Subils, J. B., *Perez, J., *Liu, P., *Engram, S., *Cetin, C., Goldgof, D., **Ebner, N. C.**, Oliveira, D. S., & Ligatti, J. (2019). A dual-task interference game-based experimental framework for comparing the usability of authentication methods. *Proceedings of the IEEE International Conference on Human System Interaction (HSI)*. <http://www.cse.usf.edu/~ligatti/papers/game-auth-us.pdf>.
- *Szymkowicz, S. M., Woods, A. J., Dotson, V. M., Porges, E. C., *Nissim, N. R., *O'Shea, A., Cohen, R. A., & **Ebner, N. C.** (2019). Associations between subclinical depressive symptoms and reduced brain volume in middle-aged to older adults. *Aging & Mental Health*, 23(7), 819-830. doi: 10.1080/13607863.2018.1432030. PMID: 29381390. PMCID: PMC6066456.
- *Ziaei, M., Persson, J., Bonyadi, M. R., Reutens, D. C., & **Ebner, N. C.** (2019). Amygdala functional network during recognition of own-age vs. other-age faces in younger and older adults. *Neuropsychologia*, 129, 10-20. DOI: 10.1016/j.neuropsychologia.2019.03.003. PMID: 30876765.
- Anton, S. D., **Ebner, N. C.**, Dzierzewski, J. M., Zlatar, Z. Z., Gurka, M. J., Dotson, V. M., *Kirton, J., *Mankowski, R. R., Marsiske, M., & Manini, T. M. (2018). Effects of 90 days of resveratrol supplementation on cognitive function in elders: A pilot study. *Journal of Alternative and Complementary Medicine*, 24(7), 725–732. DOI: 10.1089/acm.2017.0398. PMID: 29583015. PMCID: PMC6065512.
- Ebner, N. C.**, Luedicke, J., Voelkle, M. C., Riediger, M., *Lin, T., & Lindenberger, U. (2018). An adult developmental approach to perceived facial attractiveness and distinctiveness. *Frontiers in Psychology*, 9, 561. DOI: 10.3389/fpsyg.2018.00561. PMID:29867620. PMCID: PMC5949528.
- *Lin, T., *Liu, G.A., *Perez, E., *Rainer, R., Febo, M., Cruz-Almeida, Y., & **Ebner, N. C.** (2018). Systemic inflammation mediates age-related cognitive deficits. *Frontiers in Aging Neuroscience*, 10, 236. DOI: 10.3389/fnagi.2018.00236. eCollection 2018. PMID: 30127734. PMCID: PMC6088306.
- Oliveira, D., *Lin, T., *Rahman, M., *Akefirad, R., *Ellis, D., *Perez, E., Bobhate, R., DeLong, L., Cappos, J., Brun, Y., & **Ebner, N. C.** (2018). API Blindspots: Why experienced developers write vulnerable code. *SOUPS'18: Symposium on Usable Privacy and Security*, 315-328.

- *Lin, T., *Ankudowich, E., & **Ebner, N. C.** (2017). Greater perceived similarity between self and own-age others in older than young adults. *Psychology and Aging*, 32(4), 377-387. <http://dx.doi.org/10.1037/pag0000173>. PMID: 28471216. PMCID: PMC5516623.
- Oliveira, D., *Rocha, H., *Yang, H., *Ellis, D., *Dommaraju, S., *Muradoglu, M., *Weir, D., *Soliman, A., *Lin, T., & **Ebner, N. C.** (2017). Dissecting spear phishing emails for older vs young adults: On the interplay of weapons of influence and life domains in predicting susceptibility to phishing. *CHI'17: CHI Conference Proceedings on Human Factors in Computing Systems*, 6412-6424. DOI:10.1145/10.1145/3025453.3025831
- *Persson, N., Lavebratt, C., **Ebner, N. C.**, & Fischer, H. (2017). Influence of DARPP-32 genetic variation on BOLD activation to happy faces. *Social Cognitive and Affective Neuroscience*, 12, 1658-1667. DOI: 10.1093/scan/nsx089. PMID: 29048604. PMCID: PMC5647797.
- *Strickland-Hughes, C. M., West, R. L., *Smith, K., A., & **Ebner, N. C.** (2017). False feedback and beliefs influence name recall in younger and older adults. *Memory (Hove, England)*, 25(8), 1072-1088. DOI: 10.1080/09658211.2016.1260746. PMID: 27885897.
- *Ziaei, M., **Ebner, N. C.**, & Burianová, H. A. (2017). Functional brain networks involved in gaze and emotional processing. *European Journal of Neuroscience*, 45, 312-320. DOI: 0.1111/ejn.13464 PMID: 27813194
- *Chen, A., Brahma, P., Wu, D. O., **Ebner, N. C.**, Matthews, B., Crandall, J., Wei, X., Faloutsos, M., & Oliveira, D. (2016). Cross-layer personalization as a first-class citizen for situation awareness and computer infrastructure security. *NSPW '16: Proceedings of the 2016 New Security Paradigms Workshop*, 23-35. DOI: 10.1145/3011883.3011888
- Chen, H., Zhao, B., *Porges, E. C., Cohen, R. A., & **Ebner, N. C.** (2016). Edgewise and subgraph-level tests for brain networks. *Statistics in Medicine*, 35, 4994-5008. DOI: 10.1002/sim.7039 PMID: 27397632. PMCID: PMC5096985.
- Ebner, N. C.**, Chen, H., *Porges, E. C., *Lin, T., Fischer, H., Feifel, D., & Cohen, R. A. (2016). Oxytocin's effect on resting-state functional connectivity varies by age and sex. *Psychoneuroendocrinology*, 69, 50-59. DOI: 10.1016/j.psyneuen.2016.03.013 PMID: 27032063. PMCID: PMC4942126.
- *Lin, T., *Lendry, R., & **Ebner, N. C.** (2016). Face likeability mediates the memory-enhancing effect of face attractiveness in young but not older adults. *Memory*, 24, 1396-1406. DOI: 10.1080/09658211.2015.1117109 PMID: 26619961
- *Rana, M., *Varan, A. Q., *Davoudi, A., Cohen, R. A., Sitaram, R., & **Ebner, N. C.** (2016). Real-time fMRI in neuroscience research and its use in studying the aging brain. *Frontiers in Aging Neuroscience*, 8, 239. DOI: 10.3389/fnagi.2016.00239 PMID: 27803662. PMCID: PMC5067937.
- *Szymkowicz, S. M., Persson, J., *Lin, T., Fischer, H., & **Ebner, N. C.** (2016). Hippocampal brain volume is associated with faster facial emotion identification in older adults: Preliminary results. *Frontiers in Aging Neuroscience*, 8, 203. DOI: 10.3389/fnagi.2016.00203. PMID: 27610082. PMCID: PMC4997967.
- *Tasdemir-Ozdes, A., *Strickland-Hughes, C. M., Bluck, S., & **Ebner, N. C.** (2016). Future perspective and healthy lifestyle choices in adulthood. *Psychology and Aging*, 31(6), 618-630. DOI: 10.1037/pag0000089 PMID: 27064600.

Westberg, L., *Henningsson, S., *Zettergren, A., *Svärd, J., *Hovey, D., *Lin, T., **Ebner, N. C.**, & Fischer, H. (2016). Variation in the oxytocin receptor gene is associated with face recognition and its neural correlates. *Frontiers in Behavioral Neuroscience*, 10, 178. DOI: 10.3389/fnbeh.2016.00178 PMID: 27713694. PMCID: PMC5031602.

*Ziaei, M., Burianová, H. A., von Hippel, W., **Ebner, N. C.**, Phillips, L. H., & Henry, J. D. (2016). The impact of aging on the neural networks involved in gaze and emotional processing. *Neurobiology of Aging*, 48, 182-194. DOI: 10.1016/j.neurobiolaging.2016.08.026 PMID: 27716474.

Anton, S., Woods, A. J., Ashizawa, T., Barb, D., Buford, T. W., Carter, C. S., Clark, D. J., Cohen, R. A., Corbett, D. B., Cruz-Almeida, Y., Dotson, V., **Ebner, N. C.**, Efron, P. A., Fillingim, R. B., Foster, T. C., *Gundermann, D. M., Joseph, A.-M., Karabetian, C., Leeuwenburgh, C., Manini, T. M., Marsiske, M., *Mutchie, H. L., Perri, M. G., Ranka, S., Sandesara, B., Scarpace, P. J., Sibille, K. T., Solberg, L. M., Someya, S., Uphold, C., Wu, S. S., & Pahor, M. (2015). Successful aging: Advancing the science of physical independence in older adults. *Ageing Research Reviews*, 24, 304-327. DOI:10.1016/j.arr.2015.09.005. PMID: 26462882. PMCID: PMC4661112.

Ebner, N. C., *Horta, M., *Lin, T., Feifel, D., Fischer, H., & Cohen, R. A. (2015). Oxytocin modulates meta-mood as a function of age and sex. *Frontiers in Aging Neuroscience*, 7, 175, 1-7. DOI: 10.3389/fnagi.2015.00175. PMID: 26441637 PMCID: PMC4565056.

Ebner, N. C., *Kamin, H., *Diaz, V., Cohen, R. A., & MacDonald, K. (2015). Hormones as "difference makers" in cognitive and socioemotional aging processes. *Frontiers in Psychology*, 5, 1595. DOI: 10.3389/fpsyg.2014.01595. PMID: 25657633. PMCID: PMC4302708.

*Henningsson, S., *Zettergren, A., *Hovey, D., *Jonsson, L., *Svärd, J., *Cortez, D. S., *Melke, J., **Ebner, N. C.**, Laukka, P., Fischer, H., & Westberg, L. (2015). Association between polymorphisms in NOS3 and KCNH2 and social memory. *Frontiers in Neuroscience/Neurogenomics*, 9, 393, 1-8. DOI: 10.3389/fnins.2015.00393. PMID: 26539080. PMCID: PMC4612671.

*Sun, R., Bishop, M., **Ebner, N. C.** Oliveira, D., & Porter, D. E. (2015). The case for unpredictability and deception as OS features. *login.*, 40(4), 12-17. https://www.usenix.org/system/files/login/articles/login_aug15_03_sun.pdf

Ebner, N. C., & Fischer, H. (2014a). Studying the various facets of emotional aging: Introduction to the current Frontiers research topic. *Frontiers in Emotion Science*, 5, 1007, 1-2. DOI: 10.3389/fpsyg.2014.01007 PMID: 25250008 PMCID: PMC4158868

Ebner, N. C., & Fischer, H. (2014b). Emotion and aging: Evidence from brain and behavior. [Research topic] *Frontiers in Emotion Science*, 5, 996, 1-6. DOI: 10.3389/fpsyg.2014.00996 PMID: 25250002 PMCID: PMC4158975

*Lovén, J., *Svärd, J., **Ebner, N. C.**, Herlitz, A., & Fischer, H., (2014). Face gender modulates women's brain activity during face encoding. *Social Cognitive and Affective Neuroscience*, 9, 1000-1005. DOI: 10.1093/scan/nst073 PMID: 23698075 PMCID: PMC4090962

Voelkle, M. C., **Ebner, N. C.**, Lindenberger, U., & Riediger, M. (2014). A note on age differences in mood-congruent versus mood-incongruent information processing in faces. *Frontiers in Emotion Science*, 5, 635, 1-13. DOI: 10.3389/fpsyg.2014.00635 PMID: 25018740 PMCID: PMC4071858

Ebner, N. C., Johnson, M. R., *Rieckmann, A., *Durbin, K., *Johnson, M. K., & Fischer, H. (2013). Processing own-age vs. other-age faces: Neuro-behavioral correlates and effects of emotion. *NeuroImage*, 78, 363-371. DOI: 10.1016/j.neuroimage.2013.04.029. PMID: 23602923; PMCID: PMC3684564

Ebner, N. C., *Maura, G., MacDonald, K., Westberg, L., & Fischer, H. (2013). Oxytocin and socioemotional aging – Current knowledge and future trends. [Research topic] *Frontiers in Human Neuroscience*, 7, 487, 1-14. DOI: 10.3389/fnhum.2013.00487. PMID: 24009568; PMCID: PMC3755210

Voelkle, M. C., **Ebner, N. C.**, Lindenberger, U., & Riediger, M. (2013). Here we go again: Anticipatory and reactive mood responses to recurring unpleasant situations throughout adulthood. *Emotion*, 13, 424-433. DOI: 10.1037/a0031351 PMID: 23398583

Ebner, N. C., Johnson, M. K., & Fischer, H. (2012). Neural mechanisms of reading facial emotions in young and older adults. [Special section] *Frontiers in Integrative Neuroscience / Emotion Science*, 3, 223, 1-19. DOI: 10.3389/fpsyg.2012.00223 PMID: 22798953 PMCID: PMC3394436

Voelkle, M. C., **Ebner, N. C.**, Lindenberger, U., & Riediger, M. (2012). Let me guess how old you are: Effects of age, gender, and facial expression on perceptions of age. *Psychology & Aging*, 27, 265-277. DOI: 10.1037/a0025065 PMID: 21895379

Ebner, N. C., He, Y., *Fichtenholtz, H. M., McCarthy, G., & Johnson, M. K. (2011). Electrophysiological correlates of processing faces of younger and older individuals. *Social Cognitive and Affective Neuroscience*, 6, 526-535. DOI: 10.1093/scan/nsq074 PMID: 21030480 PMCID: PMC3150862

Ebner, N. C., *Gluth, S., *Johnson, M. R., Raye, C. L., Mitchell, K. M., & Johnson, M. K. (2011). Medial prefrontal cortex activity when thinking about others depends on their age. [Special issue] *Neurocase*, 17, 260-269. DOI: 10.1080/13554794.2010.536953 PMID: 21432722 PMCID: PMC3322673

Ebner, N. C., *He, Y., & Johnson, M. K. (2011). Age and emotion affect how we look at a face: Visual scan patterns differ for own-age versus other-age emotional faces. [Special section] *Cognition & Emotion*, 25, 983-997. DOI: 10.1080/02699931.2010.540817 PMID: 21614704 PMCID: PMC3339265

*He, Y., **Ebner, N. C.**, & Johnson, M. K. (2011). What predicts the own-age bias in face recognition memory? *Social Cognition*, 29(1), 97-109. <https://doi.org/10.1521/soco.2011.29.1.97> PMID: 21415928 PMCID: PMC3057073

Riediger, M., Voelkle, M., **Ebner, N. C.**, & Lindenberger, U. (2011). Beyond "happy, angry, or sad?": Age-of-poser and Age-of-rater effects on multi-dimensional emotion perception. [Special section] *Cognition & Emotion*, 25, 968-982. DOI: 10.1080/02699931.2010.540812 PMID: 21432636

Ebner, N. C., & Johnson, M. K. (2010). Age-group differences in interference from young and older emotional faces. *Cognition & Emotion*, 24, 1095-1116. DOI: 10.1080/02699930903128395 PMID: 21286236 PMCID: PMC3030265

Ebner, N. C., Riediger, M., & Lindenberger, U. (2010). FACES--A database of facial expressions in young, middle-aged, and older women and men. Development and validation. *Behavior Research*

Methods, 42, 351-362. DOI: 10.3758/BRM.42.1.351 PMID: 20160315

*Gluth, S., **Ebner, N. C.**, & Schmiedek, F. (2010). Attitudes toward younger and older adults: The German Aging Semantic Differential. *International Journal of Behavioral Development*, 34, 147–158. DOI: 10.1177/0165025409350947

Ebner, N. C. & Johnson, M. K. (2009). Young and older emotional faces: Are there age-group differences in expression identification and memory? *Emotion*, 9, 329–339. DOI: 10.1037/a0015179 PMID: 19485610 PMCID: PMC2859895

Ebner, N. C., Riediger, M., & Lindenberger, U. (2009). Schema reliance for developmental goals increases from early to late adulthood: Improvement for the young, loss prevention for the old. *Psychology and Aging*, 24, 310–323. DOI: 10.1037/a0015430 PMID: 19485650

Mitchell, K. J., Raye, C. L., **Ebner, N. C.**, *Tubridy, S. M., *Frankel, H., & Johnson, M. K. (2009). Age-group differences in medial cortex activity associated with thinking about self-relevant agendas. *Psychology and Aging*, 24, 438–449. DOI: 10.1037/a0015181 PMID: 19485660 PMCID: PMC2859896

Ebner, N. C. (2008). Age of face matters: Age-group differences in ratings for young and old faces. *Behavior Research Methods*, 40, 130–136. DOI: 10.3758/BRM.40.1.130 PMID: 18411535

Greve, W., & **Ebner, N. C.** (2007). Intentional self-development—Genetically framed. *European Journal of Developmental Sciences*, 1, 82–94.

Riediger, M., & **Ebner, N. C.** (2007). A broader perspective on three lifespan theories: Comment to Boerner and Jopp. *Human Development*, 50, 196–200. DOI: 10.1159/000103359

Ebner, N. C., Freund, A. M., & Baltes, P. B. (2006). Developmental changes in personal goal orientation from young to late adulthood: From striving for gains to maintenance and prevention of losses. *Psychology and Aging*, 21, 664–678. DOI: 10.1037/0882-7974.21.4.664 PMID: 17201488

Chapters

Dark-Freudeman, A. R., **Ebner, N. C.**, & West, R. L. (in press). Psychosocial aspects of aging. In K. E. Light (Ed.), *Geriatric Rehabilitation*. F.A. Davis.

Ebner, N. C., Lighthall, N. R., & *El-Shafie, D. (2025). Affective neuroscience of aging: An interplay of organic brain changes and shifting goals. In J. Armony & P. Vuilleumier (Eds.), *The Cambridge Handbook of Human Affective Neuroscience* (2nd Edition), 567-586. Cambridge University Press. DOI:10.1017/9781009342919.036

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)*, 48-78. 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

Ebner, N. C., *Gulliford, D., & *Yumusak, S. (2017). Saccadic eye movements. In J. S. Kreutzer, J. DeLuca, & B. Caplan (Eds.), *Encyclopedia of Clinical Neuropsychology*, 1-2. New York, London: Springer. DOI:10.1007/978-3-319-56782-2_1400-2

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

West, R. L., **Ebner, N. C.,** & *Hastings, E. C. (2012). Linking goals and aging: Experimental and life-span approaches. In E. A. Locke & G. P. Latham (Eds.), *New developments in goal setting and task performance* (pp. 439-459). London, UK: Routledge Academic.

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

Ebner, N. C. (June, 2026). *Train your brain: Boosting cognition in aging with real-time neurofeedback*. Colloquium at the Max Planck Institute for Human Development, Berlin, Germany.

Ebner, N. C. (May, 2026). *Oxytocin and the aging brain: Interactions with cognition, stress, and inflammation*. Talk at the Alzheimer's Public Educational Forum at Mount Sinai Medical Center. (Online format)

Ebner, N. C. (April, 2026). *Train your brain: Boosting cognition in aging with real-time neurofeedback*. Talk at the Institute for Learning in Retirement (ILR) at Oak Hammock, Gainesville, FL, USA.

Ebner, N. C., *Shoenfelt, A., *Chadwick, R., *Wright, K., *Faulkner, R., & *Lyons, P. (February, 2026). *Dynamic eye-gaze behavior in naturalistic face-to-face deception detection: Leveraging novel dual eye-tracking methodology in older adults*. Talk at the annual meeting of the International Society for Behavioral Neuroscience, Auckland, New Zealand.

Ebner, N. C. (January, 2026). *Advances and new directions in social-cognitive and affective brain aging*. Talk in the Department of Psychology at the University of Otago, Dunedin, New Zealand.

Ebner, N. C. (December, 2025). *A multi-modal approach to preserving cognition and brain health in aging*. Talk in the UF Health Jacksonville Grande Rounds, Jacksonville, FL, USA.

Ebner, N. C. (June, 2025). *Advances and new directions in social-cognitive and affective brain aging*. Keynote at the Annual Meeting of the Australasian Social and Affective Neuroscience Society. Brisbane, Australia.

Ebner, N. C. (June, 2025). *Leveraging cognitive, affective, and neurobiological potential to overcome vulnerability to deception in aging*. Invited talk at the University of Queensland, School of Psychology. Brisbane, Australia.

Ebner, N. C. (May, 2025). *Studying the aging social-cognitive brain: Bridging basic science and real-world impact*. Talk at the Annual McKnight Brain Research Foundation Inter-Institutional Meeting. Miami, FL, USA.

Ebner, N. C. (May, 2025). *Leveraging cognitive, affective, and neurobiological potential to overcome vulnerability to deception in aging*. Invited Talk at the Annual Convention of the Association for Psychological Science, Washington, D.C., USA.

Ebner, N. C. (May, 2025). *New directions for studying the aging social-cognitive brain*. Keynote at the Aging & Cognition Conference, Pavia, Italy.

Ebner, N. C. (January, 2025). *A multi-modal approach to preserving cognition and brain health in aging*. Talk in the Department of Neuroscience Special Seminar Series, McKnight Brain Institute, Gainesville, FL, USA.

Lin, T., *Alluri, M., & **Ebner, N. C.** (January, 2025). *Real-time fMRI neurofeedback training in aging: Two solutions on two scanners at the AMRIS*. Talk at the Neuro MRI Colloquium: Exploring Innovations and Approaches in Imaging at UF. McKnight Brain Institute, Gainesville, FL, USA.

Ebner, N. C. (January, 2025). *Oxytocin in socioemotional and cognitive aging*. Talk at the Aspen Aging & Brain Health Workshop. Aspen/Snowmass, CO, USA.

Ebner, N. C. (December, 2024). *Deception in aging: The role of cognition, affect, & neurobiology*. Talk at the Florida Bankers Association's 19th Annual BSA/AML Symposium. Orlando, FL, USA.

Ebner, N. C. (October, 2024). *Navigating the future: Emerging technology threats facing SMBs*. Panelist at the Florida Institute for Cybersecurity Research Small Business Cybersecurity Summit. Gainesville, FL, USA.

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, 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*. 4th 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*. 6th 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

- | | |
|------|--|
| 2020 | Workshop Travel Award: <i>Many Labs</i>
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: 3rd 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 2025)
(338 IN TOTAL)

* INDICATES UNDERGRAD/GRAD STUDENT OR POSTDOC AUTHOR

-
- *Frei, V., **Ebner, N. C.**, *Treadway, H., *Maraver, M. J., *Kunath, J., & Rossi, E. (July, 2026). *Resting state network dynamics predict behavioral and neural efficiency during working memory task processing*. Poster at the OHBM 2026 Annual Meeting, Bordeaux, France.
- *Hung, C. C., Lin, T., *Lung, T. C., *Faulkner, R., Polk, R. J., Spreng, R. N., Kennedy, K. M., & **Ebner, N. C.** (July, 2026). *The mediating role of anterior thalamic radiation in age differences in susceptibility to phishing*. Poster at the OHBM 2026 Annual Meeting, Bordeaux, France.
- *Chadwick, R. E., *Shoenfelt, A., Lin, T., *Park, S., *Ayub Barres, T., & **Ebner, N. C.** (April, 2026). *Eye see your intentions: Adult lifespan differences in motivational cue perception*. Poster at the Center for Cognitive Aging and Memory Research Day, Gainesville, FL, USA.
- *Frei, V., Lighthall, N. R., *Faulkner, R., *El-Shafie, D., Lin, T., ten Brinke, L., Wilson, R. C., & **Ebner, N. C.** (March, 2026). *The Social Iowa Gambling Task: A promising tool for assessing deception detection in real-world contexts in adulthood*. Data blitz at the Center for Cognitive Aging and Memory Clinical Translational Research, Gainesville, FL, USA.
- *Kelleher, A. K., *Hung, C. C., & **Ebner, N. C.** (April, 2026). *Empathy as a determinant of susceptibility to phishing in older adults*. Poster at the Center for Cognitive Aging and Memory Research Day in Gainesville, FL, USA.
- *King, T., *Washburn, S., Lin T., *Barnas, A. J., *Faulkner, R., Wilson R. C., Lighthall R. N., & **Ebner, N. C.** (April, 2026). *Age-related differences in hyperrealism*. Poster at the University of Florida Spring Undergraduate Symposium in Gainesville, FL, USA.
- *King, T., *Washburn, S., Lin T., *Barnas, A. J., *Faulkner, R., Wilson R., C., Lighthall R. N., & **Ebner, N. C.** (April, 2026). *When deepfakes feel more real: Age differences in hyperrealism*. Poster at the Psychology Graduate Student Organization Research Forum in Gainesville, FL, USA.
- *Lyons, P., *Shoenfelt, A., *Faulkner, R., *Chadwick, R., *Wright K., & **Ebner, N. C.** (April, 2026). *Truth bias in dynamic face-to-face deception detection in aging and the role of personality traits*. Poster at the Center for Cognitive Aging and Memory Research Day, Gainesville, FL, USA.
- *Park, S., Lin, T., Hughes, C., ten Brinke, L., Spreng, R. N., Turner, G., & **Ebner, N. C.** (April, 2026). *The insula's warning signal: Involvement of anterior insula during veracity judgment in*

young and older adults. Poster at the Social & Affective Neuroscience Society Conference in San Diego, CA, USA.

*Verdecia-Zabala, S., *Wright, K. A., Feifel, D., Mendez, A., & **Ebner, N. C.** (April, 2026). *The effects of chronic intranasal oxytocin on systematic inflammation in aging*. Poster at the Psychology Graduate Student Organization Undergraduate Poster Forum in Gainesville, Florida, USA.

*Verdecia-Zabala, S., *Wright, K. A., Feifel, D., Mendez, A., & **Ebner, N. C.** (April, 2026). *The effects of chronic intranasal oxytocin on systematic inflammation in aging*. Poster at the Center for Cognitive Aging and Memory Research Day, Gainesville, FL, USA.

*Washburn, S., Lin T., *Barnas, A. J., *Faulkner, R., Wilson R. C., Lighthall, N. R., & **Ebner, N. C.** (April, 2026). *Brain and behavioral processes in deepfake detection in younger and older adults*. Poster at the Social & Affective Neuroscience Society Conference in San Diego, CA, USA.

*Washburn, S., Lin T., *Barnas, A. J., *Faulkner, R., Wilson R. C., Lighthall, N. R., & **Ebner, N. C.** (April, 2026). *Brain and behavioral processes in deepfake detection in younger and older adults*. Poster at the Center for Cognitive Aging and Memory Research Day, Gainesville, FL, USA.

*Wright, K. A., *Goyer, G., *Hung, C. C., Lin, T., *Krol, K., *Perkeybile, A., Nazarloo, H. P., Carter, C. S., Connelly, J., & **Ebner, N. C.** (April, 2026). *Individual differences in the oxytocin system and vulnerability to chronic pain in older age*. Invited talk at the Robert Levitt Awards for Student Research on Aging in Gainesville, FL, USA.

*Wright, K. A., Lin, T., Feifel, D., Cruz-Almeida, Y., & **Ebner, N. C.** (April 2026). *Intranasal oxytocin as a modulator of daily pain and stress coupling in aging*. Data blitz at the Center for Cognitive Aging and Memory Clinical Translational Research Day, Gainesville, FL, USA.

*Chadwick, R. E., *Shoenfelt, A., Lin, T., *Park, S., *Ayub Barres, T., & **Ebner, N. C.** (March 2026). *Eye see your intentions: Adult lifespan differences in motivational cue perception*. Poster at the Institute of Learning in Retirement, Gainesville, FL, USA.

*Goyer, G. A., *Wright, K. A., *Hung, C. C., Lin T., *Krol K., *Perkeybile A., Nazarloo H. P., Carter S. C., Connelly J., & **Ebner N. C.** (March, 2026). *Methylation of the oxytocin receptor gene modifies the association between oxytocin and chronic pain risk in older adults*. Poster at CEPO/Psi Chi Undergraduate Research Distinguished Session - 2026 SEPA Conference, New Orleans, LA, USA.

*Hayes, A., Lin, T., *Alluri, M., *Faulkner, R., Lighthall, N. R., & **Ebner, N. C.** (March, 2026). *Novel real-time fMRI neurofeedback training to enhance trust-related decision making in aging*. Poster at the Robert Levitt Awards for Student Research on Aging Poster Session, Gainesville, FL, USA.

*Judkins, T. C., *Andrews, H. J., Song, Q., Clark. E. I., Tate, C., Wais, J. I. , Fillingim, R., Huo, Z., DeKosky, S. T., Gower, B., Cohen, R. A., **Ebner, N. C.**, Cruz-Almeida, Y., & Strath, L. J. (March, 2026). *Pain and Nutrition in Dementia and Alzheimer's Phase 1 (PANDA-1): A cross-sectional, observational study design to assess the influence of nutrition on the relationship between cognition and chronic pain*. Poster at the USASP Annual Meeting, Philadelphia, PA, USA.

*Judkins, T. C., *Andrews, H. J., Song, Q., Clark. E. I., Tate, C., Wais, J. I. , Fillingim, R., Huo, Z., DeKosky, S. T., Gower, B., Cohen, R. A., **Ebner, N. C.**, Cruz-Almeida, Y., & Strath, L. J. (March, 2026). *Dietary inflammatory index scores predict cognitive function via the Montreal Cognitive*

Assessment in older adults with chronic knee osteoarthritis pain. Poster at the USASP Annual Meeting, Philadelphia, PA, USA.

*Park, S., Lin, T., Hughes, C., ten Brinke, L., Spreng, R. N., Turner, G., & Ebner, N. C. (March, 2026). *The insula's warning signal: Involvement of anterior insula during veracity judgment in young and older adults.* Poster at North Central Florida Chapter of the Society for Neuroscience in Gainesville, FL, USA.

*Shoenfelt, A., *Chadwick, R., *Lyons, P., *Faulkner, R., *Wright, K., & Ebner, N. C. (March, 2026). *A dual eye-tracking approach for investigating effects of dynamic eye-gaze behavior on face-to-face deception detection in older adults.* Poster at the Center for Cognitive Aging and Memory Center Day in Gainesville, FL, USA.

*Shoenfelt, A., *Chadwick, R., *Lyons, P., *Faulkner, R., *Wright, K., & **Ebner, N. C.** (March, 2026). *Effects of dynamic eye-gaze behavior on face-to-face deception detection in older adults: A dual eye-tracking approach.* Spotlight Poster at the Society for Affective Science Conference in Pittsburgh, PA, USA.

*Verdecia-Zabala, S., *Wright, K. A., Feifel, D., Mendez, A., & **Ebner, N. C.** (March, 2026). *The effects of chronic intranasal oxytocin on systematic inflammation in aging.* Poster at the Florida Undergraduate Research Conference in Jacksonville, Florida, USA.

*Wright, K.A., *Goyer, G., *Hung, C. C., Lin, T., *Krol, K., *Perkeybile, A., Nazarloo, H. P., Carter, C. S., Connelly, J., & **Ebner, N. C.** (March 2026). *Individual differences in the oxytocin system and vulnerability to chronic pain in older age.* Poster at the Robert Levitt Awards for Student Research on Aging Poster Session, Gainesville, FL, USA.

*Gamberino, R., *Kuldavletova, O., *Sato, S., *Tasci, S., *Mathieu, R., *Wolbers, T., *Segen, V., Ferris, D., **Ebner, N. C.**, Bowers, D., Weisberg, S., Roy, A., & Seidler, R. (February, 2026). *Impact of transcranial direct current stimulation applied to parietal operculum 2 on path integration and network segregation in cognitive decline.* Poster at the America Physician Scientist Association Southeast Conference, Miami, FL, USA.

*Gertler, J., Bradley, M., Keil, A., **Ebner, N. C.**, Tanner, J., & Bowers, D. (February, 2026). *What type of disorder is misophonia? Investigations of anterior insula activity in misophonia.* Poster at the International Neuropsychological Society, Philadelphia, PA, USA.

*Goyer, G. A., *Wright, K. A., *Hung C. C., Lin T., *Krol K., *Perkeybile A., Nazarloo H. P., Carter S. C., Connelly J., & **Ebner N. C.** (February, 2026). *Methylation of the oxytocin receptor gene modifies the association between oxytocin and chronic pain risk in older adults.* Poster at the North Central Florida Society for Neuroscience Conference in Gainesville, FL, USA.

*Kelleher, A. K., *Hung, C. C., Lin, T., & **Ebner, N. C.** (February, 2026). *The mediating role of inferior longitudinal fasciculus integrity in age-related susceptibility to deception.* Poster at the North Central Florida Society for Neuroscience Conference in Gainesville, FL, USA.

*Gertler, J., Keil, A., **Ebner, N. C.**, Tanner, J., Schade, R., Rodriguez, K., & Bowers, D. (October, 2025). *Testing a disgust generalization hypothesis of misophonia: A neuroimaging study.* Poster at the Society for Psychophysiology Research, Montreal, Quebec, Canada.

*Wright, K. A., *Polk, R. J., Lin, T., Chen, S., *Yang, J., Krol, K., Perkeybile, A., Mendez, A., Connelly, J., & **Ebner N. C.** (September, 2025). *Unraveling the impact of oxytocin receptor gene*

methylation on stress and inflammation in aging. Poster at the International Society of Psychoneuroendocrinology Conference in New Orleans, LA, USA.

*Wright, K. A., *Polk, R. J., Lin, T., Chen, S., *Yang, J., Krol, K., Perkeybile, A., Mendez, A., Connelly, J., & **Ebner N. C.** (September, 2025). *Unraveling the impact of oxytocin receptor gene methylation on stress and inflammation in aging*. Data blitz presentation at the International Society of Psychoneuroendocrinology Conference in New Orleans, LA, USA

Ebner, N. C., *Pehlivanoglu, D., *Shoenfelt, A., & Feifel, D. (June, 2025). *Temporal dynamics of intranasal oxytocin in the aging brain during social cue processing*. Poster at the Organization for Human Brain Mapping, Brisbane, Australia.

*Alvarado, M., *Conner, L., *Wang, S., **Ebner, N. C.**, & Lighthall, N. R. (May, 2025). *Examining perceived stress and chronic pain intensity in email scam susceptibility across adulthood*. Poster at the Florida Consortium on the Neurobiology of Cognition, Orlando, FL, USA.

*Arnold, D., *Wang, S., Lighthall, N. R., Lin, T., & **Ebner, N. C.** (May, 2025). *Race- and MCI-based vulnerability profiles for deception in aging*. Poster at the Florida Consortium on the Neurobiology of Cognition, Orlando, FL, USA.

*Dorado, A., Valdés-Hernández, P. A., Montesino-Goicolea, S., Strath, L. J., *Bell, K., *González-Roldán, A. M., **Ebner, N. C.**, & Cruz-Almeida, Y. (May, 2025). *High impact knee pain moderates the relationship between interoceptive sensitivity and resting state functional connectivity within the salience network*. Poster at the United States Association for the Study of Pain, Chicago, IL, USA.

*Hayes, A., Lin, T., *Alluri, M., *Faulkner, R., *Arnold, D., Lighthall, N. R., & **Ebner, N. C.** (May, 2025). *Novel real-time functional magnetic resonance imaging neurofeedback training to enhance trust-related decision making in aging*. Poster at the Florida Consortium on the Neurobiology of Cognition, Orlando, FL, USA.

*Park, S., Lin, T., *Faulkner, R., *Heemskerk, A., & **Ebner, N. C.** (May, 2025). *Feeling the truth, but falling for lie: Age differences in physiological arousal to deception*. Poster at the Florida Consortium on the Neurobiology of Cognition, Orlando, FL, USA.

*Wang, S., **Ebner, N. C.**, & Lighthall, N. R. (May, 2025). *Deception vulnerabilities across domains: behavioral and neurocognitive insights in aging and mild cognitive impairment*. Poster at the Florida Consortium on the Neurobiology of Cognition, Orlando, FL, USA.

*Washburn, S., Lin, T., *Barnas, A., *Faulkner, R., & **Ebner, N. C.** (May, 2025). *The impact of age on deepfake detection*. Poster at the Florida Consortium on the Neurobiology of Cognition, Orlando, FL, USA.

*Barnas, A. J., Bowers, D., **Ebner, N. C.**, & Weisberg, S. M. (April, 2025). *Individual differences in visual attention correlate with spatial navigation behavior in aging*. Poster at the Center for Cognitive Aging and Memory Clinical Translational Research, Gainesville, FL, USA.

*Hung, C.-C., Lin, T., & **Ebner, N. C.** (April, 2025). *Integrity of the anterior thalamic radiation mediates age-related phishing susceptibility*. Data blitz at the Center for Cognitive Aging and Memory Clinical Translational Research, Gainesville, FL, USA.

*Verdecia-Zabala, S., *Wright, K. A., Lin, T., Feifel, D., Cruz-Almeida, Y., & **Ebner, N. C.** (April, 2025). *The effects of chronic intranasal oxytocin in aging: A modulation of pain and stress*. Poster

at the Psychology Graduate Student Organization Undergraduate Poster Forum, Gainesville, FL, USA.

*Washburn, S., *Faulkner, R., Lin, T., *Barnas, A. J., & **Ebner, N. C.** (April, 2025). *Understanding age differences in deepfake image detection*. Poster at the Center for Cognitive Aging and Memory Clinical Translational Research, Gainesville, FL, USA.

*Yang, J. J., *Wright, K. A., *Polk, R., Lin, T., *Kroll, K., *Perkeybile, A., Connelly, J., Mendez, A., & **Ebner, N. C.** (April, 2025). *Oxytocin receptor methylation as an epigenetic modulator of stress-related inflammation in older adults*. Poster at the Psychology Graduate Student Organization Undergraduate Poster Forum, Gainesville, FL, USA.

*Faulkner, R., *Washburn, S.R., *Barnas, A. J., Lin, T., & **Ebner, N. C.** (March, 2025). *The role of age in deepfake detection accuracy*. Poster and Talk 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.

*Hung, C. C., Lin, T., *Polk, R. J., & **Ebner, N. C.** (February, 2025). *Susceptibility to deception is associated with microstructural brain integrity in older adults*. Poster at the 8th Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

*Hung, C. C., Lin, T., *Polk, R. J., & **Ebner, N. C.** (February, 2025). *Susceptibility to deception is associated with microstructural brain integrity in older adults*. Poster at the North Central Florida Society for Neuroscience Annual Chapter Conference, Gainesville, FL, USA.

Rossi, E., *Treadway, H. G., *Kunath, J., Weisberg, S. M., & **Ebner, N. C.** (February, 2025). *New language training to measure and promote neurocognitive resilience in healthy aging*. Poster at the 8th Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

*Wang, S., Wilson, R. C., **Ebner, N. C.**, & Lighthall, N. R. (February, 2025). *Modeling decision making in aging: Insights from the Florida-And-Georgia (FLAG) Gambling Task*. Poster at the 8th Biennial Dallas Aging and Cognition Conference, Dallas, TX, USA.

*Washburn, S., *Barnas, A. J., *Faulkner, R., Lin, T., & **Ebner, N. C.** (February, 2025). *The role of age in deepfake detection accuracy*. Poster at the 8th Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

*Washburn, S., Barnas, A. J., Faulkner, R., Lin, T., & **Ebner, N. C.** (February, 2025). *The role of age in deepfake detection accuracy*. Poster at the North Central Florida Society for Neuroscience Annual Chapter Conference, Gainesville, FL, USA.

Weisberg, S. M., *Perez, E., *Barnas A. J., *Kunath, J. T., Bowers, D., & **Ebner, N. C.** (February, 2025). *Wanderlust or rust: A novel theoretical mechanism for navigation strategy differences in younger and older adults*. Poster at the 8th Biennial Dallas Aging & Cognition Conference. Dallas, TX, USA.

COURSES AND LECTURES

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, Alexander von 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

I have served as faculty mentor in the acquisition of over \$2,100,000 in early-career faculty, postdoc, graduate/undergrad student, and post-bac trainee awards, prizes, scholar- and fellowships since 2011

Early-Career Faculty

2025-present Shanting Chen (Assistant Professor; NIH K01 award)

2022-present Meredith Berry (Assistant Professor; NIH K01 award)

2022-2024	Marilyn Horta (Research Scientist; NIH diversity supplement)
2021-present	Tian Lin (Research Scientist)
2021-2025	Steve Weisberg (Assistant Professor, NIH K01 award)
Postdoctoral	
2027-present	Alayna Shoenfelt, University of Florida, <i>Dual eye-tracking and dyadic decision making</i>
2025-present	Mengdi Zhu, University of Florida, <i>Neurofeedback training in decision making in aging; deepfake detection in aging</i>
2025-present	Vanessa Frei, University of Florida, <i>Social auditory cue processing in aging and ADRD; resting EEG in aging</i> (GATOR NeuroScholar)
2023	Colleen Hughes, University of Florida, <i>Brain mechanisms in deception detection in aging</i> (NIH/SRNDNA collaboration award)
2021-2025	Adam Barnas, University of Florida, <i>Spatial navigation, attention, and aging</i> (FDOH fellowship)
2020-2022	Marilyn Horta, University of Florida, <i>Social decision making in substance abuse</i> (T32)
2019-2021	Jillian Rung, University of Florida, <i>Effects of opioids and oxytocin on pain in aging</i> (T32)
2018-2025	Didem Pehlivanoglu, University of Florida, <i>Cybersecurity and aging</i>
2018-2020	Pedro Antonio Valdes-Hernandez, University of Florida, <i>Dynamic network connectivity</i> (T32)
2017-2022	Tian Lin, University of Florida, <i>Improving attention and emotion regulation: A neurofeedback approach</i>
Graduate	
2026-present	Alyssa Hayes, University of Florida, <i>AI chatbot use in aging</i>
2026-present	Ryan Faulkner, University of Florida, <i>Computational models of deception detection in aging</i>
2025	Lucia Hernandez, University of Florida, <i>Multivariate analysis of oxytocin's effect on brain aging</i> (Visiting PhD Scholar, Spain)
2024-2026	Cherita Clandinen, University of Florida, <i>Socioeconomic status, risk, and family dynamics in Mexican-origin youth</i>
2024-present	Sanghee Park, University of Florida, <i>Physiological responding to deception in aging</i>

2024-present	Chun-Che Hung, University of Florida, <i>Gut microbiota, oxytocin, and social-cognitive aging</i>
2024-2026	Stephanie Washburn, University of Florida, <i>Aging and deefake detection</i> (SRNDNA summer research opportunity, McNair Graduate Research Fellow, NSF Graduate Research Fellow, Masters completed)
2021-2026	Alayna Shoenfelt, University of Florida, <i>Oxytocin and face processing; age effects in dyadic dynamic deception detection</i> (Masters & PhD completed, NIH T32 2022-2025)
2021-2026	Kylie Wright, University of Florida, <i>Oxytocin, stress, and pain</i> (Masters & PhD completed, NIH diversity supplement)
2020-2023	Julia Cochran, University of Florida, <i>Oxytocin and socio-affective functioning in pain</i> (NIH diversity supplement)
2020-2023	Amber Heemskerk, University of Florida, <i>Aging and deception</i> (NIH diversity supplement)
2018-2024	Rebecca Polk, University of Florida, <i>Effects of oxytocin on socioemotional functioning in aging</i> (Masters & PhD completed, NIH T32 2020-2023)
2018-2023	Peiwei Liu, University of Florida, <i>Oxytocin effects on large-scale brain networks in aging</i> (PhD completed)
2015-2020	Ian Frazier, University of Florida, <i>Trust-related decision making in aging</i> (PhD completed)
2015-2019	Desiree Lussier, University of Florida, <i>Associations between oxytocin, brain structure, and pain</i> (Masters & PhD completed)
2014-2020	Marilyn Horta, University of Florida, <i>Empathy and prosocial behavior in aging</i> (Masters & PhD completed, NIH T32 2016-2019)
2012-2017	Aylin Tasdemir, University of Florida, <i>Mental time travel and healthy decision making in aging</i> (PhD completed)
2011-2017	Tian Lin, University of Florida, <i>Social memory in aging</i> (Masters & PhD completed)
2011-2014	Carla Strickland-Hughes, University of Florida, <i>Attentional and motivational influences of everyday memory in aging</i> (Masters completed)
Undergraduate	
2025-2026	Sarah Verdecia-Zabala, University of Florida (University Scholars Program; Senior Thesis), <i>Oxytocin effects on inflammation in aging</i>
2025-2026	Gabriella Goyer, University of Florida (Senior Thesis), <i>Oxytocin effects on sleep in aging</i>

2025-2026	Alyssa Kelleher, University of Florida (Senior Thesis), <i>Effects of empathy on deception detection in aging</i>
2025-2026	Teo Ayub Barres, University of Florida (NEURON-Aging Scholars Program), <i>Deception detection in aging in dyadic dynamic interactions</i>
2024-2025	Reese Chadwick, University of Florida (Senior Thesis), <i>Gaze direction effects in trustworthiness perception in aging</i>
2023-2026	Legasse Remon, University of Florida (AI University Scholars Program, McNair Scholars Program), <i>Neural network approach to enhancing fake news and deepfake detection in aging</i>
2023-2024	Jialong Zhen, University of Florida (CLAS Research Scholars Program), <i>Effects of analytical reasoning and interoceptive awareness on the ability to detect deepfake faces</i>
2022-2023	Maya Kantor, University of Florida (CLAS Scholars Program), <i>Loneliness and susceptibility to deception in aging</i>
2021	Janae Baker, University of Florida (SURF), <i>Cybersecurity and aging</i>
2019-2021	Erin Tammi, University of Florida (NSF REU, Medical Honors Program), <i>FIRMA, Oxytocin in aging</i>
2019-2020	Farha Deceus, University of Florida (NSF REU), <i>Developers blindspots</i>
2019-2020	Elisha Myers, University of Florida (Senior Thesis, CLAS Scholars Program), <i>Oxytocin's effect on insula brain structure and empathy</i>
2019-2020	Amber Heemskerk, University of Florida (NSF REU), <i>FIRMA</i>
2018-2019	Royi Lynn, University of Florida (University Scholars Program), <i>A neurofeedback approach to reducing emotional interference effects in age</i>
2018-2019	Joseph Perez, University of Florida (NSF REU), <i>Developers blindspots</i>
2018-2019	Elisha Myers, University of Florida (NSF REU), <i>Developers blindspots</i>
2017-2018	Dinia Salmeron, University of Florida (University Scholars Program), <i>Safety of intranasal oxytocin administration in aging</i>
2017-2018	Kathryn Kaylor, University of Florida (NSF REU), <i>Developers blindspots</i>
2017-2018	Paul Talty, University of Florida (University Scholars Program), <i>Factors contributing to increased phishing susceptibility in aging</i>
2017-2018	Samantha Smith, University of Florida (NSF REU), <i>Developers blindspots</i>
2017-2018	Rita Hayes, University of Florida, Senior Thesis, <i>Effects of long-term oxytocin administration on cingulate cortex volume in older adults</i>

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

- 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

2025 Faculty organizer of *Missing Data Analysis: Why and How* workshop, Cognitive Aging and Memory Center McKnight Brain Institute and Department of Psychology, University of Florida, Gainesville, FL, USA (J. Luedicke)

2025 Faculty organizer of *Automated Cognitive Assessments with EEG and AI* demo/workshop, Cognitive Aging and Memory Center McKnight Brain Institute and Department of Psychology, University of Florida, Gainesville, FL, USA (K. Yoder)

2024 Faculty organizer of *Advanced Computational Modeling in Decision-Making Research* workshop, Cognitive Aging and Memory Center McKnight Brain Institute and Department of Psychology, 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

2025-present	Faculty mentor for <i>McNair Scholars Program</i> , University of Florida, Gainesville, FL, USA
2026	Reviewer for <i>NIH/NIA SRNDNA Pilot Award Program</i>
2025	Reviewer for <i>McKnight Brain Accelerator Award</i> , UF
2025-2027	Member of the <i>Academic Personnel Board (APB)</i> , University of Florida, Gainesville, FL, USA
2024-2026	<i>NSF Graduate Research Fellow Faculty Mentor</i>
2024	Member of the Advisory Panel of the NIH/NIA <i>Advancing Reliable Measurement in Cognitive Aging and Decision-Making Ability (ARMCADA) Research Network</i>
2023-2024	Chair of <i>Search Committee (Quantitative Psychology)</i> , Department of Psychology, University of Florida, Gainesville, FL, USA
2024-present	Faculty mentor in <i>NEURON-Aging Undergraduate Research Program</i> , University of Florida, Gainesville, FL, USA
2023-2024	Faculty mentor in <i>University of Florida AI Scholars Program</i> , University of Florida, Gainesville, FL, USA
2022-present	Faculty mentor in <i>Gator NeuroScholar Postdoctoral Program</i> , University of Florida, Gainesville, FL, USA
2022-2027	Member of the Advisory Board of the <i>Scientific Research Network on Decision Neuroscience & Aging</i> (NIH/NIA)
2022-present	Chair of <i>Junior Faculty Mentoring Committee</i> (Assistant Professor: Shanting Chen), University of Florida, Gainesville, FL, USA
2022-2023	University of Florida Faculty Internal Subject Matter Experts (ISMES) in 2022-23 <i>College of Medicine R01 Boot Camp</i> , University of Florida, Gainesville, FL, USA.
2021-2025	Standing Member of <i>Social Psychology, Personality and Interpersonal Processes (SPIP)</i> Study Section, Center for Scientific Review, NIH
2021-2022	Chair of <i>Search Committee (Developmental Psychology)</i> , Department of Psychology, University of Florida, Gainesville, FL, USA
2021	External consultant for the <i>International Max Planck Research School: The Life Course: Evolutionary and Ontogenetic Dynamics (LIFE)</i> , doctoral candidate: Michael Geers, Berlin, Germany
2021	Reviewer for <i>University of Florida Clinical Translational Science Institute Pilot Awards</i> , University of Florida, Gainesville, FL, USA

2020-present	Director, <i>Early-Career Faculty/Scholar Grant Writing Academy</i> , Department of Psychology, University of Florida, Gainesville, FL, USA.
2020-present	Member of Editorial Board of <i>Aging Brain</i>
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, <i>Biobehavioral and Behavioral Processes (BBBP)</i> , National Institutes of Health
2020	External examiner for <i>Doctor of Philosophy Theses at Graduate Research School</i> , Australian Catholic University, Australia
2019-2025	Member of <i>Junior Faculty Mentoring Committee</i> (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 for <i>University of Florida Research Opportunity Seed Funds</i> , University of Florida, Gainesville, FL, USA
2019-present	<i>CLAS Scholars Program</i> Faculty Member, University of Florida, Gainesville, FL, USA
2018-present	T32 Mentor in <i>NIH/NIDA UF Substance Abuse Training Center in Public Health</i> (T32DA035167), University of Florida, Gainesville, FL, USA
2018-2020	Guest Editor of <i>Psychology and Aging</i> (specialty section on <i>Prosociality in Adulthood and Aging</i>)
2018-2019, 2020-2024	Chair of <i>Awards for Aging Research</i> , supported by the Leighton E. Cluff Endowment and the Institute for Learning in Retirement (ILR) at Oak Hammock
2018-2019	Member of <i>Toffler Leadership Awards Committee</i>
2018	Scientific event organization (jointly with graduate student) of <i>Jacquelin Goldman Fellowship & Scholarship Program in Developmental Psychology</i>
2018-2019	Chair of the CLAS Sabbatical Selection Committee
2018-2019	Member of <i>Search Committee (Open Area Quantitative Methods)</i> , Department of Psychology, University of Florida, Gainesville, FL, USA
2018-present	Consulting Editor of <i>Psychology and Aging</i>
2018-present	Consulting Editor of <i>Journal of Experimental Psychology: General</i>

2018	Ad-hoc Reviewer, Special Emphasis Panel/Scientific Review Group ZRG1 RPHB-V (56), Risk, Prevention and Health Behavior, <i>Social Psychology, Personality and Interpersonal Processes Study Section (SPIP)</i> , National Institutes of Health
2018	Ad-hoc Reviewer, Special Emphasis Panel/Scientific Review Group ZRG1 BBBP-T (56), <i>Biobehavioral and Behavioral Processes (BBBP)</i> , National Institutes of Health
2018	Early Career Reviewer (ECR) of <i>Biobehavioral Mechanisms of Emotion, Stress and Health (MESH)</i> Study Section, Center for Scientific Review, National Institutes of Health (NIH)
2017-2025	Member of the <i>Policy and Planning Committee</i> , Department of Psychology, University of Florida
2017-2018	CLAS Professional Development Leave Selection Committee
2017-2023	Member of the <i>McKnight Brain Institute Outreach and Education Committee</i>
2017-2019	Associate Editor of <i>Cognition & Emotion</i>
2017	Member of the <i>Programme Committee for 7th Workshop for Socio-Technical Aspects in Security and Trust (STAST)</i> , University of Luxembourg, Luxembourg
2016	Reviewer for <i>Cluff Awards for Aging Research Committee</i> , Institute on Aging, University of Florida, Gainesville, FL, USA
2016	External consultant for doctoral thesis in <i>International Max Planck Research School: The Life Course: Evolutionary and Ontogenetic Dynamics (LIFE)</i>
2015-present	T32 Mentor in <i>NIH/NIA Research Training in Non-Pharmacological Interventions for Cognition in Aging, MCI, and Alzheimer's Disease</i> (T32AG020499; before 2020: <i>Aging Training: Physical, Cognitive, and Mental Health in Social Context</i>), University of Florida, Gainesville, FL, USA
2015	External examiner for <i>Doctor of Philosophy Theses at Graduate Research School</i> , University of Otago, Dunedin, New Zealand
2014-2019	Associate Editor of <i>Emotion Science</i> (specialty section <i>Frontiers in Psychology</i>)
2014, 2016, 2017	<i>Area Director of Admissions, Developmental Psychology Area</i> , Department of Psychology, University of Florida, Gainesville, FL, USA
2014-2015 2022-2024	<i>Merit Committee</i> , University of Florida, Gainesville, FL, USA
2013-2014	Guest Editor of <i>Emotion Science</i> (specialty section of <i>Frontiers in Psychology</i>)
2013-2018	<i>VA/UF Institute on Aging, Clinical Translational Aging Research Series Activity Planning Committee</i> , 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
- 2012-2025 *Departmental Space Committee* (chair since 2017), Department of Psychology, University of Florida, Gainesville, FL, USA
- 2012-2015, 2021-2024 Member and Chair (2021-2024) *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, 2025 *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 Brain 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

PROFESSIONAL AFFILIATIONS

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)

MEDIA

UF researchers discover whether AI or humans are better at detecting deepfakes, April 3, 2026
<https://youtu.be/SnVrwzjH0NI>

Machines spot deepfake pictures better than humans, but people outperform AI in detecting deepfake videos, February 25, 2026
<https://news.ufl.edu/2026/02/deepfake-detection/>

Humans vs. machines: Who is better at detecting deepfakes?, February 12, 2026
<https://psych.ufl.edu/featured/2026/humans-vs-machines-who-is-better-at-detecting-deepfakes/>

AI models spot deepfake images, but people catch fake videos, February 3, 2026
<https://www.sciencenews.org/article/ai-models-deepfakes>

Helping older adults navigate AI scams, January 12, 2026

<https://www.thinkglobalhealth.org/article/helping-older-adults-navigate-ai-scams>

What is it about the elderly that makes them easy targets? February 2, 2025

<https://wiod.iheart.com/featured/manny-s-blog/content/2025-02-27-1248-manny-munoz-02-27-2025-dr-natalie-ebner/>

UF Psychologist leads the way in brain aging research, January 15, 2025

<https://news.clas.ufl.edu/uf-psychologist-brain-aging-research/>

Bodily awareness could curb scams and fraud against older adults, September 25, 2024

<https://news.ufl.edu/2024/09/scams-body-awareness-older-adults/>

"Cuddle hormone" oxytocin may provide pain relief and help curb harmful opioid use, September 10, 2024

<https://hfp.ufl.edu/articles/2024/berry-oxytocin-as-opioid-alternative.html>

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/5E7P3LZiiy0zk0FJFk4fzw?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/CAREER DEVELOPMENT

2026	UF Academy of Emerging Leaders, University of Florida, Gainesville, FL, USA (Irma Alvarez)
------	---

- 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)