

## CURRICULUM VITAE

**B. Blair Braden, PhD**

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Tel: (502) 320-2627; Email: bbbraden@asu.edu

**EDUCATION**

- 2012 **Ph.D. Psychology, Behavioral Neuroscience**, Arizona State University, Tempe, AZ.  
Dissertation: "Age-related changes in cognition and brain: A focus on progesterogens"  
Chair: Heather Bimonte-Nelson, PhD
- 2009 **M.A. Psychology, Behavioral Neuroscience**, Arizona State University, Tempe, AZ.  
Thesis: "The progesterin component of the Women's Health Initiative hormone therapy impairs cognition in aged surgically menopausal rats" Chair: Heather Bimonte-Nelson, PhD
- 2007 **B.S. Psychology, Mathematics Minor**, University of Kentucky, Lexington, Kentucky

**EMPLOYMENT POSITIONS**

- 2022-present **Associate Professor**, College of Health Solutions, Arizona State University
- 2016-2022 **Assistant Professor**, College of Health Solutions, Arizona State University
- 2012-2016 **Post-Doctoral Fellow**, Department of Neuroimaging, Barrow Neurological Institute
- 2015 **Visiting Faculty/Lecturer**, Department of Psychology, Arizona State University
- 2009-2013 **Science Writer**, Arizona Alzheimer's Consortium

**ADDITIONAL ACADEMIC AFFILIATIONS**

- 2018-present **Autism Spectrum Disorder Translational Team**, Lead
- 2019-present **Graduate Faculty Endorsed to Chair**, Biological and Health Systems Engineering, Arizona State University
- 2019-present **Graduate Faculty Endorsed to Chair**, Exercise and Wellness, Arizona State University

**SUMMARY TABLES**

Extramural Funding	Amount	Award Yrs	Role
NIMH* K01	753,203	2018-22	PI
DoD*	750,000	2020-23	Co-PI
NCCIH* F31	113,070	2020-23	Sponsor
NIMH* F31	111,543	2019-22	Sponsor
DoD*	358,757	2015-19	Co-PI
ABRC*	225,000	2017-21	PI
BNF*	225,361	2019-22	Co-PI
JTF*	230,000	2021-22	Co-PI
NINDS* R25	1,270,790	2018-23	Mentor
VGP* Trust	11,000	2017-18	PI
NSF* I-Corps	2,000	2018	PI

\*National Institute for Mental Health; Department of Defense; Arizona Biomedical Research Commission; Barrow Neurological Foundation; John Templeton Foundation; National Institute for Neurological Disorders and Stroke; Virginia G. Piper Charitable Trust; National Science Foundation

Research	Lead Author	Co-Author
Publications	17	18
Published Abstracts	2	0
Posters	54	34
Invited Talks, Oral Presentations, or Symposium Chair	12	0
Colloquium Talks	23	n/a

Teaching	Times Taught
SHS 577: Communication Disorder in Autism	5
SHS 230: Peering into the Human Brain	3
SHS 790: Writing Group PhD Seminar	2
SHS 350: Brain, Memory, and Language	2
PSY 325: Physiological Psychology	1
PSY 290: Research Methods Lab	1

Mentoring	Status	Number
PhD	in progress	2
Master's	complete	5
	in progress	3
Barrett Honors	complete	5
	in progress	1
WINURE*	complete	2
	In progress	1

\*Workforce Inclusion Neuro. Undergrad Research Exp.

## RESEARCH SUPPORT

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### *Ongoing Research Support*

1. R01, National Institute for Mental Health (Total Costs: \$3,757,519)  
Braden (PI); Ofori, D. Chen, K. Chen, Baxter, and Woodruff (Co-I)  
12/1/2023 – 11/30/2028  
The Aging Autistic Brain: Multi-modal imaging to predict accelerated memory decline
2. 1K01MH116098, National Institute for Mental Health (Total Costs: \$753,203)  
Braden (PI)  
07/01/2018 - 06/30/2024  
Sex-Specific Brain and Behavioral Predictors of Cognitive Aging in Middle-Aged Adults with Autism Spectrum Disorder  
Role: PI (75% effort)
3. W81XWH-20-1-0171, Department of Defense (Total Costs: \$750,000)  
Braden, Matthews, Smith, Baxter (Co-PIs)  
04/01/2020 - 3/31/2024  
Multi-component behavioral intervention designed to increase functional independence during aging in ASD  
Role: Co-PI
4. P30 AG072980, National Institute on Aging Developmental Project grant (Total Costs: \$120,000)  
Braden (PI)  
7/1/2022 – 6/30/2024  
The Influence of Alzheimer's Disease-Associated Genetics on Aging with Autism Spectrum Disorder  
Role: PI
5. Barrow Neurological Foundation (Total Costs: \$225,361)  
Schraml (PI)  
1/1/2022 – 12/31/2024  
Striatal Dopamine Transporter Density in Post-Traumatic Stress Disorder (PTSD)  
Role: Co-PI
6. Blue Cross Blue Shield of Arizona Foundation for Community and Health Advancement (Total Costs: \$124,100)  
Matthews (PI)  
1/1/2023 – 12/31/2024  
Investigating a Mindfulness Intervention to Reduce Anxiety and Depression in Teens with ASD and Caregivers  
Role: Co-Investigator
7. R01 HD110860-01A, National Institute of Child Health and Human Development (Total Costs: \$2,049,225)  
Lifshitz and Qui (MPIs)  
09/01/2023 – 05/31/2028  
Gravida traumatic brain injury (TBI) impacts neurobehavioral and neurocircuitry phenotypes of the offspring  
Role: Consultant
8. R21 AG080308, National Institute on Aging (Total Costs: \$421,625)  
Failla (PI)  
9/1/23 – 8/31/25

Pain sensitivity and endogenous pain modulation in autistic adults  
Role: Consultant

9. R25NS107188, National Institute of Neurological Diseases and Stroke (Total Costs: \$1,270,790)  
Neisewander (PI)  
07/01/2018 - 06/30/2025  
Workforce Inclusion in Neuroscience through Undergraduate Research Experience  
Role: Mentor

*Pending Research Support*

1. National Science Foundation (Total Costs: \$1,499,936)  
Matthews (PI)  
5/1/24 – 4/30/29  
DEIA for ASD: Increasing Educational and Workforce Diversity, Equity, Inclusion, and Accessibility for Autistic Individuals  
Role: Consultant
2. National Institute on Aging (Total Costs: \$2,336,815)  
Intergenerational Community Driven Training in Alzheimer's Disease Research: An AI+X Approach  
Wu (PI)  
4/1/24 – 3/31/29  
Role: Participating Faculty Member

*Completed Research Support*

1. W81XWH-15-1-0211, Department of Defense (Total Costs: \$358,757; ASU Sub-contract: \$104,008)  
Baxter (PI)  
07/01/2015 - 06/30/2019  
Cognitive and Neural Correlates of Aging in ASD  
Role: Co-PI, Sub-contract PI (2.5% effort)
2. ADHS16-162413, Arizona Biomedical Research Commission New Investigator Award (Total Costs: \$225,000)  
Braden (PI)  
05/01/2017 - 12/31/2021  
Cognitive and Neural Correlates of Aging in Autism Spectrum Disorder: Interactions with Sex  
Role: PI (2.5% effort)
3. F31MH122107, National Institute for Mental Health (Total Costs: \$111,543).  
Walsh (PI)  
9/15/2019-9/14/2022  
Are aging outcomes worse for women with autism? Sex differences in the neurocircuitry of symptom camouflaging and its vulnerability to aging.  
Role: Primary Sponsor
4. F31AT010976, National Center for Complementary & Integrative Health (Total Costs: \$113,070)  
Pagni (PI)  
2/1/2020-1/31/2023  
Neural Mechanisms of Mindfulness-Based Stress Reduction in Adults with Autism Spectrum Disorder  
Role: Primary Sponsor
5. Jon Templeton Foundation (Total Costs: \$230,000)  
Bennett (PI)  
10/01/2021 - 01/31/2024

Sanctifying Scientific Practice: Technical Work as 'Soul-Work'  
Role: Co-PI

6. National Science Foundation I-Corps (Total Costs: \$2,000)  
Braden (PI)  
1/1/2018 - 12/31/2018  
Educational Tools and Resources for College Students with Autism Spectrum Disorders  
Role: PI
7. Virginia G. Piper Charitable Trust Award (Total Costs: \$11,000)  
Braden (PI)  
07/01/2017 - 06/30/2018  
Telomere Length in Autism Spectrum Disorder and Relationships with Cognition  
Role: PI
8. ASU College of Health Solutions Quality of Life Seed Grant (Total Costs: \$10,000)  
Braden (PI)  
1/1/2020 – 12/31/2020  
Quality of life in adults with autism spectrum disorder: effects of aging in mindfulness intervention  
Role: PI
9. ASU College of Health Solutions Jump Start Grant (Total Costs: \$18,000)  
Braden and Bruening (Co-PIs)  
1/1/2020 – 6/30/2021  
Hungry to learn: food insecurity and brain function among college students  
Role: Co-PI
10. ASU Herberger Institute Research Investment Grant (Total Costs: \$5,000)  
Braden and Hernandez-Ruiz (Co-PIs)  
4/1/2019 – 3/31/2020  
Music for Communication: Improving parent coaching of a music intervention for young children with ASD  
Role: Co-PI
11. 2015-LB-03, Institute for Mental Health Research (Total Costs: \$25,000)  
Baxter (PI)  
07/01/2015 - 06/30/2016  
Depression and Anxiety in the Aging Autism Spectrum Disorders Cohort  
Role: Post-Doctoral Fellow

## **PUBLICATIONS PREFACE**

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- Manuscript order: the most recent publications under each sub-heading are listed first, then numbered in descending order.
- Meaning of author order in biomedical research: First author is assigned to the study lead, and last author is assigned to the PI overseeing the work. In some cases, the PI is also the study lead and will be listed as first author (see <https://www.ncbi.nlm.nih.gov/pubmed/17651671>).
- Student Authors
  - Asterisk: denotes a trainee under my mentorship.
  - Caret: denotes student or postdoc author not directly under my mentorship.
- Journal Metrics: Impact Factor, SCImago Journal Rank Indicator (SJR) index (see <http://www.scimagojr.com/>), and SJR journal tier (quartile).
  - My multi-disciplinary work is published in a wide range of fields, thus the tier reported is most relevant to my expertise.
- Contribution: the work I provided towards the publication.

## PEER-REVIEWED JOURNAL PUBLICATIONS

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45. Stadheim, J., Mitchel, M., Smith, C., Braden, B.B., and Matthews, N. A. A Longitudinal Examination of Autism Services Uptake, Child Adaptive Functioning, and Parent Quality of Life during the COVID-19 Pandemic. *Vaccines*. *In press*.  
**Journal Metrics:** Impact factor: 7.8; SJR: 1.655; Tier 1 journal in Infectious Diseases  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).
44. Harker, S., Al-Hassan, L., Huentelman, M., Lewis, C.R., and **Braden, B.B.** APOE  $\epsilon$ 4-allele in Middle-Aged and Older Adults with and without Autism Spectrum Disorder: Associations with Verbal Learning and Memory. *International Journal of Molecular Sciences*. 2023 Nov; 24(21): 15988.  
**Journal Metrics:** Impact factor: 5.6; SJR: 1.154; Tier 1 journal in Medicine  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).
43. Stecher, C., Pagni, B.A.\* , Cloonan, S.^, Vink, S.\* , Hill, E.\* , Ogbeama, D.\* , Delaney, S., and **Braden, B.B.** App-Based Meditation Habits Maintain Reductions in Depression Symptoms Among Autistic Adults. *Autism*. 2023.13623613231200679  
**Journal Metrics:** Impact factor: 5.2; SJR: 1.767; Tier 1 journal in Developmental and Educational Psychology  
**Contribution:** Oversaw all aspects of project with multiple PIs (experimental design, recruitment, data collection, analysis, and manuscript preparation).
42. Pagni, B.A,\* Williams, C.^, Stanley, G.\* , Blais, C., Brewer, G. and **Braden, B.B.** Neurophysiological signatures of mindfulness-based stress reduction in adults with autism: putative mechanism of anxiety alleviation. *Mindfulness*. 2023. <https://doi.org/10.1007/s12671-023-02195-4>  
**Journal Metrics:** Impact factor: 3.80; SJR: 1.26; Tier 1 journal in Experimental and Cognitive Psychology  
**Contribution:** Oversaw experimental design, recruitment, data collection, and manuscript preparation.
41. Peter, B., Bruce, L., Finestack, L., Dinu, V., Wilson, M., Klein-Seetharaman, J., Lewis, C.R., **Braden, B.B.**, Tang, Y., Scherer, N., VanDam, M., and Potter, N. Behavior genomics as a new frontier in speech-language pathology: How applying principles of precision medicine can improve outcomes in communication disorders. *American Journal of Speech-Language Pathology*. 2023. 1-16.  
**Journal Metrics:** Impact factor: 2.92; SJR: 1.05; Tier 1 journal in Developmental and Educational Psychology  
**Contribution:** Integrated behavioral genetics applications in autism spectrum disorder.
40. Pagni, B.A.\* , Hill, E.\* , Walsh, M.J.M.\* , Delaney, S., Ogbeama, D.\* , Monahan, L.\* , Cook, J.R.\* , Guerithault, N.\* , Dixon, M.V., Ballard, L., and **Braden, B.B.** Distinct and shared therapeutic neural mechanisms of mindfulness-based and social support stress reduction groups in adults with autism spectrum disorder. *Journal of Psychiatry and Neuroscience*. 2023. 48(2), E102-E114.  
**Journal Metrics:** Impact factor: 6.186; SJR: 1.47; Tier 1 journal in Psychiatry and Mental Health  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).
39. Walsh, M.J.M\* , Ofori, Ed., Pagni, B.\* , Chen, K., Sullivan, G.\* , and **Braden, B.B.** Preliminary findings of accelerated visual memory decline and baseline brain correlates in middle-age and older adults with autism: the case for hippocampal free-water. *Frontiers in Aging Neuroscience*. 2022. 14, 1029166  
**Journal Metrics:** Impact factor: 5.75; SJR: 1.32; Tier 1 journal in Cognitive Neuroscience  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).

38. Pagni, B. \*, Walsh, M.J.M\*, Ofori, Ed., Chen, K., Sullivan, G. \*, Alvar, J. \*, Monahan, L. \*, Guerithault, N. \*, Delaney, S., and **Braden, B.B.** Effects of age on the hippocampus and verbal memory in adults with autism spectrum disorder: Longitudinal versus cross-sectional findings. *Autism Research*. 2022; 15 (10), 1810-1823  
**Journal Metrics:** Impact factor: 4.63; SJR: 1.82; Tier 1 journal in Cognitive Neuroscience  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).
37. Guerithault, N., McClure, S.M., Ojinnaka, C.O., **Braden, B.B.**<sup>1</sup> and Bruening, M.<sup>1</sup> Resting-State Functional Connectivity Differences in College Students with and without Food Insecurity. *Nutrients*. 2022; 14, 2064.  
<sup>1</sup> Equal contributions; Both anchor authors  
**Journal Metrics:** Impact factor: 6.71; SJR: 1.29; Tier 1 journal in Food Science  
**Contribution:** Oversaw all neuroimaging aspects of the project (experimental design, data collection, analysis, and manuscript preparation).
36. Stadheim, J., Mitchel, M., Smith, C., **Braden, B.B.**, and Matthews, N. A. Qualitative Examination of the Impact of the COVID-19 Pandemic on Children and Adolescents with Autism and their Parents. *Research in Developmental Disabilities*. 2022; 104232.  
**Journal Metrics:** Impact factor: 3.64; SJR: 0.80; Tier 2 journal in Clinical Psychology  
**Contribution:** Oversaw IRB and contributed to experimental design and manuscript preparation.
35. Walsh, M.J.M.\*, Pagni, B.A.\*, Monahan, L., Delaney, S., Smith, C.J., Baxter, L., and **Braden, B.B.** Sex-Related Neurocircuitry Supporting Camouflaging in Adults with Autism: Insights into Female Protection. *Cerebral Cortex*. 2022  
**Journal Metrics:** Impact factor: 4.861; SJR: 2.01; Tier 1 journal in Cognitive Neuroscience  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).
34. **Braden, B.B.**, Pagni, B. \*, Monahan, L., Walsh, M. \*, Dixon M., Ballard, L. Delaney, S., and Ware, J. Quality of life in adults with autism spectrum disorder: influence of age, sex, and a controlled, randomized mindfulness-based stress reduction pilot intervention. *Quality of Life Research*. 2021; 1-14.  
**Journal Metrics:** Impact factor: 4.147; SJR: 1.28; Tier 1 journal in Public Health, Environmental and Occupational Health  
**Contributions:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).
33. Royer, M.F. \*, Guerithault, N. \*, Laska, M., **Braden, B.B.**, and Bruening, M. Food insecurity and cognitive function: A systematic review of findings across the life course. *International Journal of Translational Medicine*. 2021; 1.3: 205-222  
**Journal Metrics:** New journal. Metrics not yet available.  
**Contribution:** Contributed to review design and manuscript preparation
32. Pagni, B.A.\* and **Braden, B.B.** Early Reflections on the Therapeutic Effects of Mindfulness-Based Therapies in Adults with Autism and Suggestions for Future Research. *Journal of Psychiatry and Brain Science*. 2021; 6(4):e210013; DOI:10.20900/jpbs20210013  
**Journal Metrics:** Not SCI indexed.  
**Contributions:** Oversaw all aspects of project (reflection outline and manuscript preparation).
31. Walsh, M.J.M\*, Wallace, G., Gallegos, S.\*, and **Braden, B.B.** Brain-based sex differences in autism spectrum disorder across the lifespan: A systematic review of structural MRI, fMRI, and DTI findings. *Neuroimage: Clinical*. 2021; 102719.  
**Journal Metrics:** Impact factor: 4.75; SJR: 1.795; Tier 1 journal in Cognitive Neuroscience

**Contributions:** Oversaw all aspects of project (review design, data collection, and manuscript preparation).

30. Zhang, W.<sup>^</sup>, **Braden, B.B.**, Shua, K., Wang S., Liua, H., and Wang, Y. Integrating Multimodal and Longitudinal Neuroimaging Data with Multi-Source Network Representation Learning. *Neuroinformatics*. 2021; 1-16.  
**Contributions:** Oversaw results clinical interpretation and contributed to manuscript preparation.  
**Journal Metrics:** Impact factor: 3.803; SJR: 1.984; Tier 1 journal for Neuroscience
29. Hernandez-Ruiz, E. and **Braden, B.B.** Improving Parent Coaching of a Music Intervention for Young Autistic Children. *Journal of Music Therapy*. 2021; 58(3), 278-309.  
**Contribution:** Contributed to study design and manuscript preparation  
**Journal Metrics:** Impact factor: 1.265; SJR: 0.749; Tier 1 journal for Complementary Therapy
28. Pagni, B.A.\* , Walsh, M.J.M.\* , Rogers, C.\* , **Braden, B.B.** Social cognition in autism spectrum disorder across the adult lifespan: influence of age and sex on reading the mind in the eyes task in a cross-sectional sample. *Frontiers in Integrative Neuroscience*. 2020; 14, 50.  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).  
**Journal Metrics:** Impact factor: 2.239; SJR: 0.921; Tier 2 journal for Cognitive Neuroscience
27. Lewis, C.R.<sup>^</sup>, Taguinod, F.\* , Cohen, J.\* , Walker, N.<sup>^</sup>, Agrawal, K.\* , Jepsen, W.<sup>^</sup>, Huentelman, M.J., Smith, C.J., Ringenback, S., and **Braden, B.B.** Telomere Length and Autism Spectrum Disorder Within the Family: Relationships with Cognition and Sensory Symptoms. *Autism Research*. 2020 April. doi: 10.1002/aur.2307  
**Contribution:** Oversaw experimental design, data analysis, and manuscript preparation.  
**Journal Metrics:** Impact factor: 4.268; SJR: 1.506; Tier 1 journal for Neuroscience
26. Pagni, B. A.\* , Walsh, M. J.\* , Foldes, E., Sebren, A., Dixon, M. V., Guerithault, N.\* , & **Braden, B. B.** The neural correlates of mindfulness-induced depression reduction in adults with autism spectrum disorder: A pilot study. *Journal of Neuroscience Research*. 2020; 98(6), 1150-1161. doi: 10.1002/jnr.24600  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).  
**Journal Metrics:** Impact factor: 4.874; SJR: 1.662; Tier 2 journal for Cellular and Molecular Neuroscience
25. Lewis, C. R.<sup>^</sup>, Preller, K. H., **Braden, B. B.**, Riecken, C.\* , & Vollenweider, F. X. Rostral Anterior Cingulate Thickness Predicts the Emotional Psilocybin Experience. *Biomedicines*. 2020; 8(2), 34. doi: 10.3390/biomedicines8020034  
**Contribution:** Oversaw data analysis and contributed to manuscript preparation.  
**Journal Metrics:** Impact factor: 4.757; SJR: 1.508, Tier 1 journal for Biochemistry, Genetics, and Molecular Biology
24. Nam, K.<sup>^</sup>, Ringenbach, S.D.R., Brusseau, T.A., Burns, R.D., **Braden, B.B.**, Lee, C.D.<sup>^</sup> & Henderson, H. L.<sup>^</sup>. Immediate reinforcement increased duration of time riding the stationary bicycle in children with autism spectrum disorder: a pilot study. 2020 *International Journal of Developmental Disabilities*, doi: 10.1080/20473869.2020.1783480  
**Contribution:** Contributed to manuscript preparation.  
**Journal Metrics:** Impact factor: 1.05; SJR: 0.333, Tier 3 journal for Psychiatry and Mental Health
23. **Braden B. B.** and Riecken, C.\* Thinning Faster? Age-related cortical thickness differences in adults with autism spectrum disorder. *Research in Autism Spectrum Disorder*. 2019 August; 64:31-38. doi: 10.1016/j.rasd.2019.03.005.  
**Journal Metrics:** Impact factor: 2.065; SJR: 0.872; Tier 1 journal in Clinical Psychology

**Contribution:** Led all aspects of project (experimental design, data collection, data analysis, and manuscript preparation)

22. Walsh, M.J.M.\* , Baxter, L.C., Smith, C.J., and **Braden, B.B.** Age Group Differences in Executive Network Functional Connectivity and Relationships with Social Behavior in Men with Autism Spectrum Disorder. *Research in Autism Spectrum Disorder, Special Issue: Growing Older with Autism*. 2019 July; 63:63-67. doi: 10.1016/j.rasd.2019.02.008.  
**Journal Metrics:** Impact factor: 2.065; SJR: 0.872; Tier 1 journal in Clinical Psychology  
**Contribution:** Oversaw all aspects of project (experimental design, data collection, data analysis, and manuscript preparation)
21. Baxter, L.C., Nespodzany, A., Walsh, M.J.M.\* , Wood, E.\* , Smith, C.J., and **Braden, B.B.** The influence of age and ASD on verbal fluency networks. *Research in Autism Spectrum Disorder, Special Issue: Growing Older with Autism*. 2019 July; 63:52-62. doi: 10.1016/j.rasd.2019.03.002.  
**Journal Metrics:** Impact factor: 2.065; SJR: 0.872; Tier 1 journal in Clinical Psychology  
**Contribution:** Oversaw experimental design and data collection; assisted with data analysis and manuscript preparation
20. Fitzhugh, M.C.\* , **Braden, B.B.**, Beeman, P., Sabbagh, M.N, Caselli, R., and Baxter, L.C. Age-related Atrophy and Compensatory Neural Networks in Reading Comprehension. *Journal of the International Neuropsychological Society*. 2019. 1-14.  
**Journal Metrics:** Impact factor: 2.77; SJR: 1.408; Tier 1 journal in Neuroscience  
**Contribution:** Assisted with data analysis and manuscript preparation
19. Turk, M.N.^, Mennenga, S.E.^, Bimonte-Nelson, H.A., Siniard, A., Corneveaux, J.J., De Both, M., Hewitt, L., Tsang, C.^, Caselli, J.^, **Braden, B.B.**, and Huentelman, M.J. The PKC $\beta$  selective inhibitor, Enzastaurin, impairs memory without changes to hippocampal transcription. *PloS One*. 2018; 13(6), e0198256. doi.org/10.1371/journal.pone.0198256  
**Journal Metrics:** Impact factor: 2.766; SJR: 1.164; Tier 1 journal for Biochemistry, Genetics, and Molecular Biology  
**Contribution:** Assisted with data collection, provided feedback on manuscript
18. **Braden, B. B.**, Smith C.J., Thompson, A.\* , Glaspy, T.K.\* , Wood, E.\* , Vatsa, D.\* , Abbott, A., McGee, S., and Baxter, L.C. Executive Function and Functional and Structural Brain Differences in Middle-Age Adults with Autism Spectrum Disorder. *Autism Research*. 2017; 10(12), 1945-1959.  
**Journal Metrics:** Impact factor: 4.112; SJR: 1.616; Tier 1 journal for Neuroscience  
**Contribution:** Led all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).
17. Di Martino A, O'Connor D, Chen B, Alaerts K, Anderson JS, Assaf M, Balsters JH, Baxter L, Beggiano A, Bernaerts S, Blanken LM, Bookheimer SY, **Braden BB**, Byrge L, Castellanos FX, Dapretto M, Delorme R, Fair DA, Fishman I, Fitzgerald J, Gallagher L, Keehn RJ, Kennedy DP, Lainhart JE, Luna B, Mostofsky SH, Müller RA, Nebel MB, Nigg JT, O'Hearn K, Solomon M, Toro R, Vaidya CJ, Wenderoth N, White T, Craddock RC, Lord C, Leventhal B, Milham MP. Enhancing studies of the connectome in autism using the autism brain imaging data exchange II. *Scientific Data*. 2017; 4, 170010  
**Journal Metrics:** Impact factor: 4.83; SJR: 3.026; Tier 1 journal for Computer Science Applications  
**Contribution:** Prepared multi-modal MRI data for data sharing capabilities, provided feedback on manuscript
16. **Braden, B.B.**, Dassel, K.B.^, Bimonte-Nelson, H.A., O'Rourke, H.P.^, Connor, D.J., Moorhous, S.^, Sabbagh, M.N., Caselli, R.J., Baxter, L.C. Gender and post-menopause hormone therapy effects on hippocampal volume and verbal memory. *Aging, Neuropsychology, and Cognition*. 2016; 1-20.  
**Journal Metrics:** Impact factor: 2.25; SJR: 0.094; Tier 2 journal for Neuropsychology and Physiological Psychology  
**Contribution:** Led data collection, data analysis, and manuscript preparation



15. **Braden, B. B.**, Andrews, M. G.\* , Acosta, J. I.^, Mennenga, S. E.\* , Lavery, C.\* , & Bimonte-Nelson, H. A. A comparison of progestins within three classes: Differential effects on learning and memory in the aging surgically menopausal rat. *Behavioral Brain Research*. 2016; 30417-X  
**Journal Metrics:** Impact factor: 3.173; SJR: 1.553; Tier 1 journal for Behavioral Neuroscience  
**Contribution:** Led all aspects of project (experimental design, data collection, data analysis, and manuscript preparation)
14. **Braden, B. B.**, Pipe, T. B., Smith, R.\* , Glaspy, T. K.\* , Deatherage, B. R.\* , & Baxter, L. C. Brain and behavior changes associated with an abbreviated 4-week mindfulness-based stress reduction course in back pain patients. *Brain and Behavior*. 2016; 6(3), e00443.  
**Journal Metrics:** Impact factor: 2.429; SJR: 1.09; Tier 2 journal for Behavioral Neuroscience  
**Contribution:** Led all aspects of project (experimental design, recruitment, data collection, data analysis, and manuscript preparation)
13. **Braden, B.B.**, Kingston, M.L.\* , Whitton, E.\* , Lavery, C.\* , Tsang, C.W.\* , Neisewander, J.L., and Bimonte-Nelson, H.A. Progesterone-induced learning and memory impairments are reversed by the GABAA antagonist bicuculline. *Frontiers in Aging Neuroscience*. 2015; 7:149.  
**Journal Metrics:** Impact factor: 3.582; SJR: 1.873; Tier 1 journal for Aging  
**Contribution:** Led all aspects of project (experimental design, recruitment, data collection, data analysis, and manuscript preparation)
12. Wallace, E.^, Young K.D., Kye-Min K., Chen, S., **Braden, B.B.**, Williams, J., Jasso, K., Garcia, A.N.\* , Rho, J., Bimonte-Nelson, H.A., and Maganti, R. Differential effects of duration of sleep fragmentation on spatial learning and synaptic plasticity in pubertal mice. *Brain Research*. 2015; 1615:116-28.  
**Journal Metrics:** Impact factor: 3.125; SJR: 1.377; Tier 1 journal for Neurology (clinical)  
**Contribution:** Led data collection, data analysis, and manuscript preparation for behavioral testing aspects of project
11. Smith, R.\* , **Braden, B.B.**, Chen, K., Ponce, F.A., Lane, R. D. and Baxter, L.C. The neural basis of attaining conscious awareness of sad mood. *Brain Imaging and Behavior*. 2015; 9(3):574-87.  
**Journal Metrics:** Impact factor: 3.719; SJR: 2.307; Tier 1 journal for Behavioral Neuroscience and Neurology (clinical)  
**Contribution:** Assisted in data collection, data analysis, and manuscript preparation
10. Mennenga, S.E.^, Baxter, L.C., Grunfeld, I.S.\* , Brewer, G.A., Aiken, L.S., Engler-Chiurazzi, E.B.^, Camp, B.W.^, Acosta, J.I.^, **Braden, B.B.**, Schaefer, K.R.^, Gerson, J.E.^, Lavery, C.N.^, Tsang, C.W.S.^, Hewitt, L.T.^, Kingston, M.L.^, Koebele, S.V.^, Patten, K.J.^, Ball, B.H.^, McBeath, M.K., Bimonte-Nelson, H.A. Navigating to new frontiers in behavioral neuroscience: Traditional neuropsychological tests predict human performance on a rodent-inspired radial-arm maze. *Frontiers in Behavioral Neuroscience*. 2014; 8.  
**Journal Metrics:** Impact factor: 3.138; SJR: 1.655; Tier 1 journal for Behavioral Neuroscience  
**Contribution:** Assisted in data collection, data analysis, and provided feedback on manuscript
12. Wolf, A.\* , **Braden, B.B.**, Bimonte-Nelson, H.A., Kusne, Y., Young, N., Engler, E.B.^, Garcia, A.N.\* , Walker D.G., Moses G.S., Tran H., LaFerla F., Lue L., Emerson Lombardo N., Valla J. Broad-based nutritional supplementation in 3xTg mice corrects mitochondrial function and indicates sex-specificity in response to Alzheimer's disease intervention. *Journal of Alzheimer's Disease*. 2012; 32(1):217-32.  
**Journal Metrics:** Impact factor: 3.920; SJR: 1.722; Tier 2 journal for Neuroscience  
**Contribution:** Led data collection, data analysis, and manuscript preparation for behavioral testing aspects of project
8. Engler-Chiurazzi, E.B.^, Talboom, J.S.^, **Braden, B.B.**, Tsang, C.W.\* , Andrews, M.\* , Mennenga, S.E.\* , and Bimonte-Nelson, H.A. Continuous estrone treatment impairs spatial memory and does not impact number of basal forebrain cholinergic neurons in the surgically menopausal middle-aged rat. *Hormones and Behavior*. 2012; 62(1):1-9.

**Journal Metrics:** Impact factor: 4.418; SJR: 1.567; Tier 2 journal for Behavioral Neuroscience  
**Contribution:** Assisted with behavioral data collection, provided feedback on manuscript

13. Camp, B.W.<sup>^</sup>, Gerson, J.<sup>^</sup>, Tsang, C.W.<sup>^</sup>, Villa, S.R., Acosta, J.I.<sup>^</sup>, **Braden, B.B.**, Hoffman, A.N.<sup>^</sup>, Conrad, C.D., Bimonte-Nelson, H.A. High serum androstenedione levels correlate with impaired memory in the surgically menopausal rat: a replication and new findings. *European Journal of Neuroscience*. 2012; 36(8):3086-95.  
**Journal Metrics:** Impact factor: 3.658; SJR: 2.52; Tier 1 journal for Neuroscience  
**Contribution:** Assisted with behavioral data collection, provided feedback on manuscript
6. **Braden B.B.**, Garcia A.N.\* , Mennenga S.E.\* , Prokai L., Villa S.R.\* , Acosta J.I.<sup>^</sup>, Lefort N.\* , Simard A.R.\* , Bimonte-Nelson H.A. Cognitive-impairing effects of medroxyprogesterone acetate in the rat: independent and interactive effects across time. *Psychopharmacology (Berl)*. 2011; 218(2):405-18.  
**Journal Metrics:** Impact factor: 3.222; SJR: 1.994; Tier 1 journal for Pharmacology  
**Contribution:** Led all aspects of project (experimental design, recruitment, data collection, data analysis, and manuscript preparation)
5. Butler T.R.<sup>^</sup>, Smith K.J.<sup>^</sup>, Self R.L.<sup>^</sup>, **Braden B.B.**, Prendergast M.A. Neurodegenerative effects of recombinant HIV-1 Tat(1-86) are associated with inhibition of microtubule formation and oxidative stress-related reductions in microtubule-associated protein-2(a,b). *Neurochemical Research*. 2011; 36(5):819-28.  
**Journal Metrics:** Impact factor: 2.772; SJR: 0.956; Tier 3 journal for Cellular and Molecular Neuroscience  
**Contribution:** Led experimental design, data collection, and data analysis. Assisted with manuscript preparation
4. Acosta, J.I.<sup>^</sup>, Mayer, L., **Braden, B.B.**, Nonnenmacher, S.<sup>^</sup>, Mennenga, S.E.<sup>^</sup>, Bimonte-Nelson, H.A. The cognitive effects of CEE depend on whether menopause etiology is transitional or surgical. *Endocrinology*. 2010; 151(8):3795-80.  
**Journal Metrics:** Impact factor: 3.961; SJR: 2.466; Tier 1 journal for Endocrinology  
**Contribution:** Assisted with behavioral data collection, provided feedback on manuscript
3. Braden, B. B., Talboom, J. S.<sup>^</sup>, Crain, I. D., Simard, A. R.<sup>^</sup>, Lukas, R. J., Prokai, L., Scheldrup, M. R.\* , Bowman, B. L.\* , & Bimonte-Nelson, H. A. Medroxyprogesterone acetate impairs memory and alters the GABAergic system in aged surgically menopausal rats. *Neurobiology of Learning Memory*. 2010; 93, 444-453.  
**Journal Metrics:** Impact factor: 3.525; SJR: 2.361; Tier 1 journal for Behavioral Neuroscience  
**Contribution:** Led all aspects of project (experimental design, recruitment, data collection, data analysis, and manuscript preparation)
2. Butler, T.R.<sup>^</sup>, Smith, K.J.<sup>^</sup>, Self, R.L.<sup>^</sup>, **Braden, B.B.**, Prendergast, M.A. Sex differences in neurotoxic effects of adenosine A1 receptor antagonism during ethanol withdrawal: reversal with an A1 receptor agonist or an NMDA receptor antagonist. *Alcoholism: Clinical and Experimental Research*. 2008; 32(7), 1260-70.  
**Journal Metrics:** Impact factor: 3.183; SJR: 1.629; Tier 1 journal for Psychiatry and Mental Health  
**Contribution:** Assisted with data collection
1. Smith, K.J.<sup>^</sup>, Butler, T.R.<sup>^</sup>, Self, R.L.<sup>^</sup>, **Braden, B.B.**, Prendergast, M.A. Potentiation of N-methyl-D-aspartate receptor-mediated neuronal injury during methamphetamine withdrawal in vitro requires co-activation of IP3 receptors. *Brain Research*. 2008; 1187, 67-73.  
**Journal Metrics:** Impact factor: 3.125 SJR: 1.321; Tier 1 journal for Neurology (clinical)  
**Contribution:** Assisted with data collection

## **EDITORIAL JOURNAL PUBLICATIONS**

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1. **Braden, B.B.**, Floris, D., Wallace, G., and Pelphrey, K.A. Editorial for Research Topic “Sex Differences in the Autistic Brain”. *Frontiers in Integrative Neuroscience*. 2021.  
**Contribution:** Developed research topic and lead editorial preparation.  
**Journal Metrics:** Impact factor: 2.239; SJR: 0.921; Tier 2 journal for Cognitive Neuroscience

## CONFERENCE ABSTRACT PUBLICATIONS

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2. **Braden B.B.**, Smith CJ, Glaspy TK\*, Baxter LC. Dr. kanner’s first patient is an octogenarian: Cognitive and brain aging in autism. *Alzheimer's & dementia: the journal of the Alzheimer's Association*. 2015 July; 11(7):P569.  
**Journal Metrics:** Impact factor: 12.740; SJR: 4.581; Tier 1 journal in Neuroscience  
**Contribution:** Led all aspects of project (experimental design, recruitment, data collection, data analysis, and manuscript preparation)
1. Braden, B.B., Lewis, C.R.^, Taguinod, F.\*, Jepsen, W.^, Huentelman, M.J. Telomere Risk in Autism Spectrum Disorder. 2019. *Behavior Genetics*. 49 (6), 554-555  
**Journal Metrics:** Impact factor: 2.20; SJR: 1.11; Tier 2 journal in Genetics  
**Contribution:** Led experimental design, data analysis, and manuscript preparation

## MANUSCRIPTS UNDER PEER-REVIEW

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1. Matthews, N., Gallegos, S.\*, Hill, E.\*, Cortes Coria, S.\*, O'Rourke, H., Baxter, L., and **Braden, B.B.** Development, Feasibility, and Acceptability of the Strengthening Skills Program for Autistic Adults across the lifespan.  
**Contribution:** Oversaw all aspects of project with multiple PIs (experimental design, recruitment, data collection, analysis, and manuscript preparation).

## MANUSCRIPTS IN PREPARATION

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1. Stephen Gallegos\*, Nicole Matthews, Leslie Baxter, Holly O'Rourke, Maria Dixon, Soraya Cortes Coria\*, and **B. Blair Braden**. The Strengthening Skills Program for Autistic Adults Across the Lifespan: Preliminary Efficacy for Improving Adaptive Functioning and Quality of Life.  
**Contribution:** Oversaw all aspects of project with multiple PIs (experimental design, recruitment, data collection, analysis, and manuscript preparation).
2. Harker, S.A.\*, Gallegos, S.\*, Baxter, L., Matthews, N., and **Braden, B.B.** Adapting the PEERS for Young Adults Program for Autistic Adults Across the Lifespan  
**Contribution:** Oversaw all aspects of project with multiple PIs (experimental design, recruitment, data collection, analysis, and manuscript preparation).
3. Walsh, M.\*, Foldes, E., Pagni, B.\*, Guerithault, N.\*, **Braden, B.B.** Longitudinal aging trajectories of functional connectivity in middle-age and older adults with autism spectrum disorder.  
**Contribution:** Oversaw all aspects of project (experimental design, recruitment, data collection, analysis, and manuscript preparation).

## INVITED TALKS

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8. **Braden, BB.** Understanding Aging in Autistic Adults and Developing Meaningful Supports. Center for Autism Research and Treatment Distinguished Lecture Series. Dec. 1, 2023. University of California Los Angeles

7. **Braden, BB.** Understanding Aging in Autistic Adults and Developing Meaningful Supports. Enhancing Neuroimaging Genetics with Meta-Analysis Central Seminar. Nov. 30, 2023. University of Southern California
6. **Braden, BB.** Autism: Cognitive and Brain Aging, Precision Medicine, and Support Programs. AIDE Canada Think Tank on Aging in Autism and Intellectual Disability. Nov. 3, 2023, Vancouver, Canada
5. **Braden, BB.** Understanding Aging in Autistic Adults and Developing Meaningful Supports. Arizona Bioethics Network Annual Conference. April 14, 2023
4. **Braden, BB.** Aging with Autism: Biological, Behavioral, and Intervention Considerations. Autism Speaks Autism and Aging Summit. June 16, 2022
3. **Braden, B.B.** Aging with Autism Spectrum Disorder: Longitudinal and Cross-Sectional Approaches to Cognitive, Brain, and Genomic Data. National Institute on Aging Workshop: Can Autism Spectrum Disorders Tell Us Anything About Alzheimer's Disease? March 8-9, 2022
4. **Braden, B.B.** The neural correlates of Mindfulness-Based Stress Reduction in chronic back pain patients and adults with autism spectrum disorder. International Neuroscience of Mindfulness Conference, June 20, 2019, Madrid, Spain.
1. **Braden, B.B.** Aging with Autism. Global Autism Conference. September 11, 2020, Virtual.

## ORAL PRESENTATIONS

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16. Harker, S.\* , Al-Hassan, L.\* , Huentelman, M., Lewis, C.R., and **Braden, B.B.** APOE  $\epsilon$ 4-allele in Middle-Aged and Older Adults with and without Autism Spectrum Disorder: Associations with Verbal Learning and Memory. Equinox, Sept. 29, 2023
15. Manuela Velez Galindo\*, Melony Valdez\*, Edward Ofori, Dan Peterson, Anthony Rodi\*, and **B. Blair Braden.** Gray matter characteristics of motor brain regions in aging autistic adults versus neurotypical controls. Annual Biomedical Research Conference for Minoritized Scientists, Phoenix, AZ, November 14 2023
14. Stephen Gallegos\*, Nicole Matthews, Leslie Baxter, Holly O'Rourke, Maria Dixon, Soraya Cortes Coria\*, and **B. Blair Braden.** The Strengthening Skills Program for Autistic Adults Across the Lifespan: Preliminary Efficacy for Improving Adaptive Functioning and Quality of Life. Annual Biomedical Research Conference for Minoritized Scientists, Phoenix, AZ, November 14 2023
13. Guerithault, N., McClure, S.M., Ojinnaka, C.O., **Braden, B.B.\*** and Bruening, M. Resting-State Functional Connectivity Differences in College Students with and without Food Insecurity. The International Society of Behavioral Nutrition and Physical Activity Annual Meeting, Phoenix, AZ, May 18, 2022.
12. Walsh, M.J.M\*, Pagni, B.\* , and **Braden, B.B.** "Sex Differences in Longitudinal Functional Connectivity in Older Adults with Autism" Arizona Biomedical Research Commission-Flinn Research Conference, Phoenix, AZ, April 13, 2022.
11. Stadheim, J., Mitchel, M., Smith, C., **Braden, B.B.**, and Matthews, N. A Qualitative Examination of the Impact of the COVID-19 Pandemic on Children and Adolescents with Autism and their Parents. International Society for Autism Research Annual Meeting, Austin, TX, May 13, 2022.
10. Walsh, M.J.M\*, Pagni, B.\* , and **Braden, B.B.** "Sex-Related Neurocircuitry Supporting Camouflaging in Adults with Autism: Insights into Female Protection." Global Autism Conference, Sept. 17, 2021 (Virtual)

- Pagni, B.\* , Wash, M.\* , Foldes, E., Guerithault, N.\* , Dixon, M., Ballard, L., Sebren, A., Dominguez, E.\* , Haynes, C.\* , Nespodzany, A., Monahan, L.\* , Reicken, C.\* , Van Houghton, K.\* , and **Braden, B.B.** "Mindfulness-based therapy for adults with autism: Improving disability-related quality of life, executive functioning, and emotional regulation"
9. Global Autism Conference, Sept. 17, 2021 (Virtual)
  8. International Society for Autism Research, Seattle, Washington. (2020 canceled due to COVID-19)
  7. ASU's Mindfulness Conference, Phoenix, Arizona (2020 canceled due to COVID-19)
  6. Walsh, M.\* , Haynes, C.\* , Pagni, B\*., Nespodzany, A., Foldes, E., **Braden, B.B.** "Brain activation during emotion regulation predicts anxiety in women but not men with autism spectrum disorder." Oral presentation to be conducted at the International Society for Autism Research's 2020 Annual Meeting in Seattle, WA (cancelled due to COVID-19).
  5. Pagni, B.\* , Wash, M.\* , Foldes, E., Dixon, M., Baxter, L., Riecken, C.\* , Haynes, C.\* , and **Braden, B.B.** "Mindfulness Training Alters Neural Correlates of Self-reflection: Treating Depression Symptomatology in Adults with Autism." The Science of Consciousness, August 13, 2020, Tucson, Arizona (Virtual)
  4. **Braden, B.B.** Symposium Chair. "Autism: Physiology and Behavior" Society for Neuroscience Annual Meeting, Nov. 15, 2017, Washington D.C.
  3. Stoeckmann, M.\* , Baxter, L.C., Smith, C.J., and **Braden, B.B.** Large-scale brain networks in middle-aged adults with autism: Functional connectivity differences and relationships with symptoms Society for Neuroscience Annual Meeting, Nov. 13, 2017, Washington D.C.
  2. **Braden, B.B.** "Older Adults with ASD: Executive Functioning Deficits, Functional and Structural Connectivity Differences, and Accelerated Cortical Thickness Atrophy." International Meeting for Autism Research, Salt Lake City, Utah, May 15, 2015.
  1. **Braden, B.B.** "Cognitive-Impairing Effects of Medroxyprogesterone Acetate in the Rat: Independent and Interactive Effects across Time." Window of Opportunity for Estrogen and Progestin Intervention During Aging and Alzheimer's Disease Meeting, Fort Worth, Texas, May 13, 2012.

## POSTER PRESENTATIONS

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70. Cortes Coria, S.\* , Ogbeama, D\* , Baxter, L.C., and **Braden, BB.** Verbal Fluency in Autism: Impact of Aging Across the Adult Lifespan. Society for Neuroscience Annual Meeting. Washington, D.C., Nov. 12, 2023.
- Harker, S.\* , Al-Hassan, L.\* , Huentelman, M., Lewis, C.R., and **Braden, B.B.** APOE ε4-allele in Middle-Aged and Older Adults with and without Autism Spectrum Disorder: Associations with Verbal Learning and Memory.
69. Society for Neuroscience Annual Meeting. Washington, D.C., Nov. 12, 2023.
  68. Arizona Alzheimer's Consortium Annual Meeting. Tempe, AZ. Sept. 11, 2023
  67. Gallegos, S., Neustadt, S., Golubock, S., Eunhyo A.K.\* , and **Braden BB.** Neuro-Strengths Based Support for Autism: From the Autistic Lens. Colorado Speech and Hearing Associate Annual Meeting. Arvada, CO, Sept. 29, 2023
  66. **Braden BB,** Matthews N, Gallegos S\*, Hill E\*, Cortes Coria S\*, O'Rourke H, and Baxter L. Feasibility and Acceptability of the Strengthening Skills Program for Aging Autistic Adults. Arizona Alzheimer's Consortium Annual Meeting. Tempe, AZ. Sept. 11, 2023

65. Nicole L. Matthews, Stephen Gallegos\*, Ethan Hill\*, Broc Pagni\*, Shanna Delaney, Melissa Mitchell, Lillian Zerga, Soraya Cortes Coria\*, Destiny Ogbeama\*, Holly O'Rourke, Leslie Baxter, and **B. Blair Braden**. Supporting Quality of Life in Autistic Adults of All Ages: Development of the Strengthening Skills Program. International Society for Autism Research. Stockholm, Sweden. May 12, 2023

64. Hill, E., Gallegos, S. Ogbeama, D. Cortes Coria, S., Delaney, S., Pagni, B., O'Rourke, H., Dixon, M.V., Baxter, L.C., Matthews, N., **Braden, B.B.** The Development of the Strengthening Skills Program for Autistic Adults: Feasibility & Acceptability. ASU College of Health Solutions Student Research Symposium, April 28, 2023, Phoenix, AZ

Ogbeama, D.\*, Cortes Coria, S.\*, Hill, E.\*, Pagni, B.A.\*, Walsh, M.J.M.\* and **Braden, B.B.** Verbal Fluency in Autistic Adults: The Impact of Age Across the Adults Lifespan.

63. Society for Neuroscience Annual Meeting, November 15, 2022, San Diego, AZ

62. 29th Annual SOLS Undergraduate Research Symposium, April 2022, Tempe AZ

Al-Hassan, L.\* Lewis, C.R., and **Braden, B.B.** APOE  $\epsilon$ 4-allele is associated with reduced hippocampal volume in older adults with autism spectrum disorder

61. Arizona Alzheimer's Consortium Annual Meeting, September 22, 2022, Tempe, AZ

60. Banner-ASU Neuroscience Scholars Program Symposium, July, 2022, Tempe, AZ

Walsh, M.J.M.\*, Ofori, E., Pagni, B.A.\*, Chen, K., Sullivan, G.\*, and **Braden, B.B.** Preliminary baseline brain correlates of accelerated visual memory decline in middle-age and older adults with autism: the case for hippocampal free-water

59. Society for Neuroscience Annual Meeting, November 15, 2022, San Diego, AZ

58. Arizona Alzheimer's Consortium Annual Meeting, September 22, 2022, Tempe, AZ

57. International Society for Autism Research, May 11, 2022, Austin, TX

56. Walsh, M.J.M.\*, Pagni, B.A.\*, Monahan, L.\*, Delaney, S., and **Braden, B.B.** Sex Differences in Longitudinal Functional Connectivity in Older Adults with Autism. International Society for Autism Research, May 11, 2022, Austin, TX

Pagni, B.\*, Walsh, M.J.M.\*, Ofori, Ed., Chen, K., Riecken, C.\* Alvar, J.\*, and **Braden, B.B.** Longitudinal and cross-sectional aging trajectories of verbal memory and hippocampal and fornix anatomy in older adults with autism spectrum disorder.

55. International Society for Autism Research, May 11, 2022, Austin, TX

54. Arizona Alzheimer's Consortium Annual Meeting, September 9, 2021, Tucson, AZ

Pagni, B.A.\*, Guerithault, N\*, Walsh, M.S.\*, Cook, J.R.\*, **Braden, B.B.** Adults with autism spectrum disorder show steeper age relationships with decreasing amygdala size: sex differences and associations with autism symptoms.

53. Society for Neuroscience Annual Meeting. January 2021 (Virtual)

52. International Society for Autism Research Annual Meeting. May 2021 (Virtual)

Walsh, M.\*, Foldes, E., Pagni, B.\*, Nespodzany, A., Baxter, L., Smith, C., Guerithault, N.\*, **Braden, B.B.** Longitudinal functional connectivity of cognitive brain networks in older men with autism.

51. Organization for Human Brain Mapping's June 2020 Annual Meeting (Virtual).

50. Society for Neuroscience Annual Meeting. January 2021 (Virtual)

49. International Society for Autism Research Annual Meeting. May 2021 (Virtual)

48. Jocelyn, A.\*, Walsh, M.\*, Ofori, E., **Braden, B.B.** Free-water analysis of the hippocampal complex in aging adults with autism spectrum disorder. Thesis abstract with defense completed on April 3<sup>rd</sup>, 2020. Poster to be presented at the Arizona Alzheimer's Consortium May 2020 Meeting in Tucson, AZ (canceled due to COVID-19).

Pagni, B.\*, Walsh, M.J.\*, Foldes, E., Sebren, A., Dixon, M., Baxter, L.C., Riecken, C.\*, Haynes, C.\*, Macomber, A.\*, Clark, A.\*, Webb, C.\*, Catchings, M.\*, Alvar, J.\*, and **Braden, B.B.** Mindfulness

training-induced increases in middle cingulate cortex activity during self-reflection predicts depression-reduction in adults with autism spectrum disorder.

- 47. International Society for Autism Research Annual Meeting, May 2, 2019, Montreal, Canada
- 46. Society for Neuroscience Annual Meeting, Oct 21, 2019, Chicago, IL
- 45. ASU's Mindfulness Conference, Phoenix, Arizona (2020 canceled due to COVID-19)
- 44. BNI-ASU Symposium, February 1, 2020, Phoenix, AZ

Walsh, M.J.\*, Baxter, L.C., Smith, C.J., Foldes, E., Webb, C.\*, Gonzales, A., and **Braden, B.B.** Sex Differences in Cognitive and Symptom Profiles of Older Adults with Autism Spectrum Disorder.

- 43. International Society for Autism Research Annual Meeting, May 2, 2019, Montreal, Canada
- 42. Arizona Alzheimer's Consortium Annual Meeting, May 16, 2019, Tempe, AZ
- 41. Walsh, M.\*, Catchings, M.\*, Wang, Y., **Braden, B.B.** *Applying a novel integrated persistent feature to understand topographical network connectivity in older adults with autism spectrum disorder.* Arizona Alzheimer's Consortium Annual Scientific Conference on May 16<sup>th</sup>, 2019.

Lewis, C.R., Taguinod, F.\*, Cohen, J.\*, Walker, N.\*, Agrawal, K.\*, Jepsen, W.\*, Huentelman, M.J., Smith, C.J., Ringenbach, S., and **Braden, B.B.** Protecting DNA is a Family Affair: Telomere Length and Cognition in Affected Individuals, Unaffected Siblings, and Parents.

- 40. International Society for Autism Research Annual Meeting, May 2, 2019, Montreal, Canada
- 39. Arizona Alzheimer's Consortium Annual Meeting, May 16, 2019, Tempe, AZ
- 38. Behavioral Genetics Association Annual Meeting, June 27, 2019, Stockholm, Sweden

Riecken, C.\*, Baxter, L.C., Smith, C.J., Alvar, J.\*, and **Braden, B.B.** Age-related differences in hippocampal anatomy in adults with autism spectrum disorder: correlates with episodic memory and executive function.

- 37. Society for Neuroscience Annual Meeting, Nov. 7, 2018, San Diego, CA.
- 36. International Society for Autism Research Annual Meeting, May 2, 2019, Montreal, Canada
- 35. Baxter, L.C., Nespodzany, A., Wood, E.G.\*, Smith, C.J., and **Braden, B.B.** The influence of age and ASD on verbal fluency network differences. International Society for Autism Research Annual Meeting, May 10, 2018, Rotterdam, Netherlands

Lewis, C.R.∧, Agrawal, K.\*, Ringenbach, S., Huentelman, M. and **Braden, BB.** Protecting DNA: Shortened Telomere Length is Associated with Autism Spectrum Disorder.

- 34. International Society for Autism Research Annual Meeting, May 10, 2018, Rotterdam, Netherlands
- 33. Arizona Alzheimer's Disease Consortium Annual Meeting, May 17, 2018
- 32. Society for Neuroscience Annual Meeting, Nov. 7, 2018, San Diego, CA.

Stoeckmann, M.\*, Baxter, L.C., Smith, C.J., and **Braden, B.B.** Large-scale brain networks in middle-aged adults with autism: Functional connectivity differences and relationships with symptoms.

- 31. International Society for Autism Research Annual Meeting, May 10, 2018, Rotterdam, Netherlands
- 30. Arizona Alzheimer's Disease Consortium Annual Meeting, May 17, 2018.

**Braden, B.B.,** Riecken, C.\* Age-Related Cortical Thickness Differences in Adults with Autism Spectrum Disorder

- 29. Society for Neuroscience Annual Meeting, Nov. 13, 2017, Washington D.C.
- 28. Arizona Alzheimer's Disease Consortium Annual Meeting, May 18, 2017.
- 27. New Adventures in Learning, Chandler-Gilbert Community College, AZ, July 13, 2017

**Braden, B.B.,** Smith, C.J, Thompson, A.,\* Glaspy, T.K.,\* Wood, E.,\* Vatsa, D.,\* and Baxter, L.C. Cognitive and Brain Aging in Autism Spectrum Disorder: Executive Functioning and Frontal and Temporal Lobe Differences. Presented at:

- 26. Society for Neuroscience Annual Meeting, Nov. 13, 2016, San Diego, CA.
- 25. International Meeting for Autism Research, San Francisco, CA, May 11, 2017.
- 24. Arizona Alzheimer's Disease Consortium Annual Meeting, May 18, 2017.

23. New Adventures in Learning, Chandler-Gilbert Community College, AZ, July 13, 2017
22. Arizona Wellbeing Commons, Neurobiology Breakout, December 7, 2017.

**Braden, B. B.**, Smith, C. J., Glaspy, T.K.,\* Thompson, A.,\* Deatherage, B. R.,\* Wood, E.,\* Vatsa, D.,\* and Baxter, L.C. Depression and Anxiety in the Aging ASD Cohort: Relationships with Cognition and Social Networks. Presented at:

21. International Meeting for Autism Research, Baltimore, MD, May 12, 2016.
20. Arizona Alzheimer's Disease Consortium Annual Meeting, May 19, 2016.

**Braden, B.B.**, Smith, C.J., Glaspy, T.K.,\* Baxter, L.C. Dr. Kanner's first patient is an octogenarian: Cognitive and brain aging in autism. Presented at:

19. Alzheimer's Association International Conference, July 20, 2015.
18. Arizona Alzheimer's Disease Consortium Annual Meeting, May 14, 2015.
17. The Brain and You: Neuroscience at ASU symposium on March 4, 2015.
16. Neuroscience Research Symposium at Barrow Neurological Institute on Jan. 7, 2016.

**Braden, B.B.**, Pipe, T., Steinke, K., Glaspy, T.,\* Baxter, L.C. Mindfulness Based Stress Reduction correlates with frontal lobe changes during mood induction fMRI. Presented at:

15. Organization for Human Brain Mapping Annual Meeting, June 10, 2014.
14. Society for Neuroscience Annual Meeting, Nov. 18, 2014.
13. The Brain and You: Neuroscience at ASU symposium on March 4, 2015.

**Braden, B.B.**, Dassel, K.B.^, Connor, D.J., O'Rourke, H.P., Sabbagh, M.N., Caselli, R.J., Bimonte-Nelson, H.A., Baxter, L.C. Hormone therapy modulates post-menopausal hippocampal volumes and memory decline. Presented at:

12. Arizona Alzheimer's Consortium Annual Meeting, May 3, 2013.
11. Society for Neuroscience Annual Meeting, Nov. 9, 2013.

10. **Braden, B.B.**, Roberts, N.L.\* , Kingston, M.L.\* , Whitton, E.\* , Lavery, C.\* , Tsang, C.W.\* , Neisewander, J.L., and Bimonte-Nelson, H.A. Progesterone-induced learning and memory impairments are reversed by the GABA<sub>A</sub> antagonist bicuculline: a turning point? Society for Neuroscience Annual Meeting, Oct. 16, 2012.
  9. **Braden, B.B.**, Andrews, M.A.\* , Acosta, J.I.^, Mennenga, S.E.\* , Engler-Chiurazzi, E.B.^, Villa, S.R.\* , Schaefer, K.R.\* , Bimonte-Nelson, H.A. In search of an alternative to medroxyprogesterone acetate for a hormone therapy progestin: cognitive effects in the rodent model. Arizona Alzheimer's Consortium Annual Meeting, May 19, 2012.
  8. **Braden, B.B.**, Garcia, A.N.\* , Mennenga, S.E.\* , Acosta, J.I.^, Villa, S.\* , Laszlo, P., Lefort, N., Simard, A.R., Bimonte-Nelson, H.A. Medroxyprogesterone acetate administration to young rats impairs cognition when middle-aged and surgically menopausal. Society for Neuroscience Annual Meeting, Nov. 17, 2010.
- Braden, B.B.**, Talboom, J.S.^, Crain, I.D., Zay, C., Prokai, L., Scheldrup, M.R.\* , Acosta, J.I.^, Engler, E.B.^, Bowman, B.L.\* , Nonnenmacher, S.R.\* , Bimonte-Nelson, H.A. The progestin component of the Women's Health Initiative hormone therapy impairs cognition and alters the GABAergic system of cognitive brain regions in aged surgically menopausal rats. Presented at:
7. Arizona Alzheimer's Consortium Annual Meeting, May, 21 2010.
  6. Society for Neuroscience Annual Meeting, Oct. 21, 2009.
  5. Valla, J., **Braden, B.B.**, Lind, J., Young, N., Engler, E.B.^, Garcia, A.N.\* , Bowman, B.L.\* , Wolf, A.^, Page, K., Kusne, Y., Lombardo, N.E., Bimonte-Nelson, H.A. Comprehensive polynutrient dietary supplementation improves cognition in 3xTG mice. Society for Neuroscience Annual Meeting, Oct. 21, 2009.



4. **Braden, B.B.**, Bimonte-Nelson, H.A., Engler, E.B.<sup>^</sup>, Garcia, A.N.\* , Lind, J., Young, N., Bowman, B.L.\* , Wolf, A., Page, K., Kusne, Y., Lombardo, N.E., Valla, J. Comprehensive polynutrient dietary supplementation improves cognition in 3xTG mice. Arizona Alzheimer's Consortium Annual Meeting, May 29, 2009.  
  
**Braden, B.B.**, Talboom, J.S.<sup>^</sup>, Crain, I.D., Zay, C., Prokai, L., Scheldrup, M.R.\* , Acosta, J.I.<sup>^</sup>, Engler, E.B.<sup>^</sup>, Bowman, B.L.\* , Nonnenmacher, S.R.\* , Bimonte-Nelson, H.A. The progestin component of the Women's Health Initiative hormone therapy impairs cognition in aged surgically menopausal rats. Presented at:  
3. Arizona Alzheimer's Consortium Annual Meeting, May, 30 2008.  
2. Society for Neuroscience Annual Meeting, Nov. 19, 2008.
1. **Braden, B.B.**, Smith, K.J.<sup>^</sup>, Butler, T.R.<sup>^</sup>, and Prendergast, M.A.<sup>^</sup> Drinking with AIDS: a measure of cell death in organotypic hippocampal cell cultures exposed to ethanol and the HIV-1 protein tat. University of Kentucky Psychology Day, May 2007.

## COLLOQUIA

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28. Understanding Aging in Autistic Adults and Developing Meaningful Supports. Presented to the ASU Mirabella Community for Lifelong Learning, June 6, 2023
27. How can Medicaid claims data help us understand the needs of autistic adults, particularly autistic women? ASU College of Health Solutions Center for Health Information and Research Seminar. April 14, 2023  
  
"Aging with Autism: Biological, Behavioral, and Intervention Considerations"
26. Memorial University of Newfoundland, Autism Research Exchange Group, September 16, 2022
25. University of Southern California, Neuroimaging and Informatics Program, September 27, 2022  
  
"Cognitive and Brain Aging in Adults with Autism: Preliminary Sex Differences and Intervention Outcomes."
24. Presented to the Advanced Research Initiative Grand Rounds in Mental Health and Aging Research, November 1, 2022
23. Presented to Center for Innovative Research in Autism at University of Alabama, October 22, 2021
22. "Updates from the Autism and Brain Aging Lab." Presented to the Southwest Autism Research and Resource Center's Grandparent's Group at Translational Genomics Research Institute, February 22, 2020
21. "Mindfulness, Depression and Anxiety-Changes the Brain in Adults with Autism." Presented at the Arizona Autism Coalition. October 19, 2019  
  
"Stress Reduction for Adults with Autism Spectrum Disorder."
20. Presented at the Arizona Autism Spectrum Support, Information, & Strategies for Transition. May 20, 2019
19. Presented at the AZ Adult Autistic Support Group. May 11, 2019
18. "Autism Spectrum Disorder in adults: Identifying brain changes and clinical needs" Presented at the AZ Life Development Institute. March 19, 2019
17. "Mindfulness for Adults with Autism Spectrum Disorder" Presented at Mindfulness First Community Circle, March 15, 2019  
  
"Autism Spectrum Disorder in adults: cognitive and brain aging, Genomic Marker, and mindfulness intervention"

16. Presented at the Southwest Autism Research and Resource Center's Grandparent's Group, February 22, 2019
15. Presented at School of Biological and Health Systems Engineering Seminar, February 22, 2019
14. "Autism Spectrum Disorder in adults: Cognitive and brain aging, psychiatric symptoms, and mindfulness intervention" Presented at the College of Health Solutions Undergraduate Symposium, November, 19, 2018
13. "Mindfulness." Presented at the Arizona Autism Coalition, September 22, 2018  
 "Autism Spectrum Disorder: Understanding the Challenges of Adulthood."
12. Presented at the Arizona Autism Spectrum Support, Information, & Strategies for Transition. April 16, 2018
11. Presented at the AZ North Valley Autism Support Group. February 23, 2019
10. "Autism Spectrum Disorder." Presented at ASU Neurowaves Club. April 5, 2018  
 "Imposter Syndrome" Presented at:
  9. Kentucky Counseling Association Leadership Academy, April 7, 2017
  8. Kentucky Counseling Association Leadership Academy, June 10, 2018
  7. Kentucky Counseling Association Leadership Academy, September 8, 2019
- "Aging with Autism Spectrum Disorder: Identifying Brain Changes and Clinical Needs." Presented at:
  6. Southwest Autism Center of Excellence, April 18, 2018
  5. 8th Annual Arizona State University-Barrow Neurological Institute Neuroscience Research Symposium, February 10, 2018
  4. Interdisciplinary Graduate Program for Neuroscience Seminar, School of Life Sciences at Arizona State University, August 23, 2018
  3. "Autism Spectrum Disorder in Adults: Identifying Brain Changes, Service Needs, and Meaningful Intervention" Presented at Behavioral Neuroscience Seminar, Psychology Department at Arizona State University, September 27, 2017.
- "Older Adults with ASD: Executive Functioning Deficits, Functional and Structural Connectivity Differences, and Accelerated Cortical Thickness Atrophy." Presented at:
  2. Division of Neurobiology Datablitz at Barrow Neurological Institute, May 7<sup>th</sup>, 2015.
  1. Department of Speech and Hearing Coffee and Cognition at Arizona State University, April 17, 2015.

## TEACHING AND MENTORING EXPERIENCE

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**Instructor of Record:** With evaluations on Likert scales (5 'most positive'; 0 'most negative'). Student comments available upon request.

2023	SHS 485: <i>Acquired Speech and Language Disorders</i> - 2023 Fall A: Student evaluation overall mean: <b>4.0</b> - 2023 Spring A: Student evaluation overall mean: <b>4.1</b>
2019 - 2023	SHS 230: <i>Peering into the Human Brain</i> - 2019: Student evaluation overall mean: <b>4.9</b> - 2020: Student evaluation overall mean: <b>4.6</b> - 2021: Oversaw PhD student teacher, evaluations n/a - 2022: Student evaluation overall mean: <b>4.7</b> - 2023: Student evaluation overall mean: <b>4.8</b>
2018 - 2023	SHS 577: <i>Current Assessment, Intervention, and Research in Autism</i> - 2018: Student evaluation overall mean: <b>4.2</b> - 2019: Oversaw PhD student teacher, evaluations n/a

- 2021: Student evaluation overall mean: **4.1**
- 2022 online: Student evaluation overall mean: **4.1**
- 2022 on ground: Student evaluation overall mean: **4.4**
- 2023 on ground: Student evaluation overall mean: **4.2**
- 2017, 2019 SHS 790: *Writing Group PhD Seminar*
  - 2017: Student evaluation overall mean: **4.8**
  - 2019: Student evaluation overall mean: **5.0**
- 2017, 2018 SHS 350: *Brain, Memory, and Language*
  - Student evaluation overall mean: **4.9**
- 2016 SHS 577: *Communication Disorder in Autism*
  - 2016 Student evaluation overall mean: **4.2**
  - 2017 Student evaluation overall mean: **4.3**
- 2015 PSY 325: *Physiological Psychology*
  - Student evaluation overall mean: **1.1** (1 'most positive'; 5 'most negative')
- 2010 PSY 290: *Research Methods Laboratory*
  - Student evaluation overall mean: **1.25** (1 'most positive'; 5 'most negative')

#### Guest Lectures (all at ASU, unless otherwise specified):

- 2023 BIO 477: Systems and Behavioral Neuroscience, *Autism*
- 2019 - 2023 SHS 542: Applied Research Methods in Auditory and Language Neuroscience, *Multi-Modal MRI*
- 2023 EXW 701: Grant Writing, *Training Grants; Grant Writing Resources*
- 2019, 2021 EXW 701: Grant Writing, *Significance*
- 2019 NTR 791: *Grant Success*
- 2019 School of Biological and Health Systems Engineering Seminar, *Autism Spectrum Disorder in adults: cognitive and brain aging, Genomic Marker, and mindfulness intervention*
- 2018 PSY 325: Physiological Psychology, *Functional MRI*
- 2017 - 2019 SHS 205: Exploring Communication Disorders, *Autism in Adults*
- 2016 - 2019 SHS 567: Neural Basis for Communication Disorders, *Brain development and theories of how things go awry in ASD*
- 2017 - 2018 Metro Arts High School, *The Brain*
- 2017 PSY 325: Physiological Psychology, *Autism*
- 2015 PSY 501: Behavioral Neuroscience Seminar, *University Graduate Student to Hospital Postdoc*

#### Student Research Mentoring/Supervision:

Arizona State University as Faculty – Graduation year under mentorship in brackets or participating years in parentheses

- **PhD Dissertation**
  - **Chair:** Samantha Harker (2022-present), Manuela Velez Galindo (2022-present), Stephen Gallegos (2022-present), Broc Pagni [2022], Melissa Stoeckmann [2022]
  - **Committee member:** Ariana LaCroix [2019], Megan Fitzhugh [2019], Wen Zhang [2020] Melissa Sacchetta [2022], Haoze Zhu (2020-present)
- **Master's Thesis**
  - **Chair or co-chair:** Cory Riecken [2018], Christen Webb [2019], Michael Catchings [2019], Francis Taguinod [2019], Nicolas Guerithault [2021], Georgia Sullivan [2022], Schuyler Vink [2022], Ethan Hill [2023], Lamees Al-Hassan [2023]
  - **Member:** Yi-Ting Hsueh [2021], Kalyani Datta [2021], Leslie Feldman [2023], Lalaine Dungca [2023]
  - **Other students under mentorship:** Angelica Lopez (2018-19), Taylor Crawford (2019-20), Stephen Gallegos (2019-2021), Gabrielle Stanley (2020-2021), Amy Gomez (2022-2023), Anthony Martinez (2023)
- **Barrett Honors Thesis**

- **Chair:** Rachel Jones [2018], Caleb Haynes [2019], Jocelyn Alvar [2020], Carly Rogers [2020], Georgia Sullivan [2021], Melony Valdez [2023], Julia Smith-Plata (2023-present)
- **Committee member:** Brandon Deatherage [2017], Sophie Stevens [2023]
- **Workforce Inclusion in Neuroscience through Undergraduate Research Experience Mentor:** Alyssa Macomber [2018-19], Destiny Ogbema [2021-2023], Soraya Coria (2021-present)
- **Fulton Schools of Engineering. Senior Capstone Project:** Amber Mayers, Grace Bonea, Jesus Arguello, Luis Canez Coronado, Paulina Cortes [2022-2023]
- **Fulton Undergraduate Research Initiative Mentor:** Matt Edick (2019-2020)
- **Banner-ASU Neuroscience Scholar:** Lamees Al-Hassan [2022-2023], Rebecca Samuel
- **Advanced Research Experience Seminar in Speech and Hearing Science Mentor:** Rachel Jones (2017), Christen Webb (2017)
- **Helios Scholars at Translational Genomics Research Institute Co-Mentor:** Komal Agrawal (2017), Jorey Cohen (2018), Paulyne Pkwak (2019), Hannah Wiseman (2019)
- **Undergrad and graduate TA supervisor:** Rebekah Garrett (2019), Lieren Hefner (2019), Sarah Wastek (2020), Kaitlin Van Houghton (2020), Nicolas Guerithault (2020-21), Andrea Nazareno (2021), Pranav Ambi (2022-2023), Ethan Hill (2021-2023), Julia Gallegos (2022), Julie Schwarz (2023), Haoze Zhu (2023), Jennifer Imai (2023), Maya Potter (2023), Sara Tubb (2023), Irma Nava-Ayon (2023), Braelyn Savage (2023), Bethany Case (2023)
- **Other undergraduate and post-bac students under mentorship:** Carly Fox (2016-17), Ashlyn Gonzales (2016-18), Kendra Snyder (2016-17), Alexis Clark (2017-18), Jinnie Xie (2018), Leanna Monahan (2019-20), Kaitlin Van Houghton (2020), Sarah Wastek (2020), Monique Hernandez (2019-20), Marisa Costagliola (2020), Miah Navarrete (2020), James Cook (2020-2021), Emily Ngo (2020-2021), Michelle Urquidi (2020-2021), Ninajean Quick (2021-present), Tyler Harnick (2021-present), Kendell McKinnon (2021-present), Shreya Kosuru (2019-2021), Isabelle Ugarte (2021-2022), Anthony Rodi (2023-present), Ashley Kim (2023-present), Katie Grabeel (2023-present), Abdula Sabri (2023-present), Anoushka Barou (2023-present), Harsha Venkatesh (2023-present)

Barrow Neurological Institute as a Postdoc

- **PhD students:** Ryan Smith (2013), Megan Fitzhugh (2019)
- **Undergraduate students:** Amanda Moore (2013), Amiee Thompson (2014), Tyler Glaspy (2015)
- **High school students:** Haley Ciccone (2014), Divya Vatsa (2014-15), Emily Wood (2014-16)

## AWARDS & HONORS

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### *National/International*

2021	Advanced Research Institute in Mental Health and Aging Scholar
2018	PLuS International Interdisciplinary Researchers Program (mentor)
2018	Certificate in Effective College Instruction, American Council on Education
2017	Faculty Fellowship Program in Israel
2016	Intel International Science and Engineering Fair, The American Psychological Association Outstanding Research in Psychological Science Award (Mentor)
2015	Siemen's International Competition Semi-Finalist (Mentor)
2015	Alzheimer's Association International Conference Travel Fellowship

### *State of Arizona*

2016	Arizona Science and Engineering Fair, Best in Fair Overall (Mentor)
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### *Arizona State University*

2023	Professor of Impact Award
2022	Nominee - Outstanding Faculty Mentor Award
2017	College of Health Solutions Faculty "Rookie of the Year" Award

## SERVICE ACTIVITIES

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*Professional*

2023-present Autism Speaks Aging in Autism Think Tank  
 2023-present National Task Group on ID & Dementia Practices Board Member  
 2022-present Guest Editor for Healthcare  
 2021-present Frontiers in Psychiatry Editorial Board of Autism  
 2020-2021 Society for Neuroscience Advocacy Key Contact  
 2019-2021 Guest Editor for Frontiers in Integrative Neuroscience

*Arizona State University*

2023-present Speech and Hearing Science PhD Program Director  
 2022-2023 College of Health Solutions Neuro-Rehabilitation Science Faculty Search Committee  
 2021-present Speech and Hearing Science Auditory Language Neuroscience MS Program Committee  
 2019-2021 Knowledge Enterprise Development Limited Submissions Reviewer  
 2019 College of Health Solutions Grant Review Committee Ad Hoc Reviewer  
 2019-2021 College of Health Solutions Neuroscience Faculty Search Committee  
 2018-present Speech and Hearing Science PhD Admissions and Program Committee  
 2018 School of Nutrition and Health Promotion Faculty Search Committee  
 2017-2020 Interdisciplinary Graduate Program in Neuroscience Executive Committee  
 2017-2018 College of Health Solutions Executive Visioning Team  
 2017-2018 College of Health Solutions Translational Teams: Structure Function, and Process

*Community*

2015-2021 Metropolitan Arts Institute Advisory Board Treasurer  
 2018 Career Panel for Science and Health Occupations  
 2011-present iHELP feed the homeless  
 2008-present Society for Neuroscience Brain Awareness

**AD-HOC GRANT REVIEWS**

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2022-2023 Department of Defense Autism Research Program  
 2021 NIH Human Complex Mental Functions Study Section  
 2019 Autism Speaks  
 2018 Autism Research Institute

**AD-HOC MANUSCRIPT REVIEWS**

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2023 Qeios  
 2022 Review Journal of Autism and Developmental Disorders  
 2022 Frontiers in Human Neuroscience  
 2021 Cortex  
 2020 Cerebral Cortex  
 2020 Progress in Neuropsychopharmacology & Biological Psychiatry  
 2019, 2022 Neuroimage: Clinical  
 2019-2023 Autism Research  
 2019 BMC Psychology  
 2018 Scientific Reports  
 2018 Research in Autism Spectrum Disorder  
 2017 Journal for Alzheimer's Disease  
 2017-2019 International Society for Autism Research Annual Meeting Abstracts  
 2015 Brain Imaging and Behavior  
 2014 The American Journal of Psychiatry  
 2013, 2020 Human Brain Mapping  
 2013 Developmental Psychology

2009, 2013	Neurobiology of Aging
2011	Neuroscience
2010	Behavioural Pharmacology
2009	Endocrine Reviews

## PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

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2016-2017	Special Interest Group on Older Adults with Autism: The Consequences of Aging
2015-2016	International Society to Advance Alzheimer's Research and Treatment
2014-present	International Society for Autism Research
2013-2014	Organization for Human Brain Mapping
2007-present	Society for Neuroscience
2007-present	Arizona Alzheimer's Consortium

## SELECT PRESS RELEASES AND MEDIA-RELATED HIGHLIGHTS

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UK Health Radio The 'D' Word interviews Dr. Braden about the links between autism and dementia.

- <https://ukhealthradio.com/blog/episode/research-into-the-links-between-autism-and-dementia-is-this-weeks-subject-on-the-d-word-as-pete-meets-dr-b-blair-braden-from-the-university-of-arizona/>

The Sheridan Sun LIVE interview for Autism Awareness Month

- <https://www.youtube.com/watch?v=dm3g4hoTSlo>

Press regarding our Autism and Brain Aging Lab, collaborations with the Southwest Autism Research and Resource Institute, and student training

- "THE ASU AUTISM AND BRAIN AGING LAB IS EXPANDING THE FIELD OF NEUROLOGY"  
<https://www.statepress.com/article/2023/03/asu-psychology-autism-aging-lab>

Press regarding our 2022 Society for Neuroscience presentation on aging with autism

- "Brain's memory center flags autistic adults at risk for cognitive decline"  
<https://www.spectrumnews.org/news/brains-memory-center-flags-autistic-adults-at-risk-for-cognitive-decline/>

Press regarding our mindfulness intervention study in autistic adults:

- "How mindfulness-based stress reduction can improve quality of life in people with autism"  
<https://news.asu.edu/20211022-discoveries-how-mindfulness-based-stress-reduction-can-improve-quality-life-people-autism>

Press regarding the launch of our study investigating aging in older adults with autism:

- "Researchers Study the Next Frontier for Autism"  
<http://www.inusanews.com/article/1908851511/researchers-study-frontier-autism?index=7>
- "Trending: Researchers Study the Next Frontier For Autism"  
<http://autism.leadstories.com/1564474-researchers-study-the-next-frontier-for-autism.html>
- "Researchers at Barrow Neurological Institute at Dignity Health St. Joseph's Hospital in Phoenix are conducting a study on the effects of aging for people who have autism."  
<http://www.newswest9.com/story/28707039/aging-and-autism-barrow-launches-unique-study>
- "Aging and Autism Barrow Launches Unique Study"  
<http://www.dignityhealth.org/stjosephs/about-us/press-center/aging-and-autism-barrow-launches-unique-study>

Full length, Season 2 premier of *Arizona PBS Catalyst* feature our work in aging with autism:

- <https://azpbs.org/catalyst/2019/02/catalyst-season-2-premiere-aging-with-autism/>

Appearance on the show *Autism Live* discussing our work in aging with autism

- <https://www.youtube.com/watch?t=923&v=0leD4yxEGEw&feature=youtu.be>

Press regarding our National Institute for Mental Health grant on older adults with autism:

- <https://azpbs.org/horizon/2018/07/asu-researcher-looks-into-how-older-adults-are-impacted-by-autism/>
- <http://www.azfamily.com/story/38570176/asu-professor-part-of-first-ever-study-on-aging-and-autism-in-adults>
- [https://asunow.asu.edu/20180619-discoveries-ageing-autism?utm\\_campaign=ASU\\_Now+6-25-18&utm\\_medium=email&utm\\_source=ASU%20Now&utm\\_term=ASU&utm\\_content=%20https%3a%2f%2fasunow.asu.edu%2f20180619-discoveries-ageing-autism](https://asunow.asu.edu/20180619-discoveries-ageing-autism?utm_campaign=ASU_Now+6-25-18&utm_medium=email&utm_source=ASU%20Now&utm_term=ASU&utm_content=%20https%3a%2f%2fasunow.asu.edu%2f20180619-discoveries-ageing-autism)

Press regarding our partnership with Aural Analytics to measure changes in the speech signal after a behavioral intervention in adults with autism:

- <https://auralanalytics.com/autism-cognition/>

Our research featured in ASU College of Health Solutions Research to Improve Health Outcomes

- <https://www.youtube.com/watch?v=W5AYDL0xIkq>

Press regarding our work on telomeres in autism with the Translational Genomics Research Institute:

- <https://www.spectrumnews.org/news/reactions-sfn-2018/>
- <https://neuroscience.as.uky.edu/autism-awareness-month-uk-alumn-and-neuroscience-professor-featured-sfnorg>
- <https://www.azbio.org/helios-scholars-at-tgen-prepares-students-for-success-in-college-and-career>

Press regarding social communication and brain aging with autism

- <https://asunow.asu.edu/20190426-discoveries-asu-blair-braden-autism-aging>

Press regarding brain aging with autism or autistic traits

- <https://www.spectrumnews.org/news/studies-hint-at-effects-of-aging-on-autistic-brains/>

Press regarding our first publication of older adults with autism in *Autism Research* (Braden et al., 2017):

- [http://cdmrp.army.mil/arp/research\\_highlights/17baxter\\_smith\\_highlight](http://cdmrp.army.mil/arp/research_highlights/17baxter_smith_highlight)

Appearance in the book, *Divergent Mind*

- <https://www.divergentlit.com/>

Dr. Braden performs at *Story Collider Presents: Stories from the Spectrum*

- <https://www.youtube.com/watch?v=5JE2MvTQ0-k>

Press regarding our study from *Psychopharmacology* (Braden et al., 2011) showing non-reversible progestin effects on memory:

- "Hormone in birth control shot linked to memory loss"  
<http://researchmatters.asu.edu/stories/hormone-birth-control-shot-linked-memory-loss-2059>
- "ASU researchers link birth-control shot Depo Provera to memory loss"  
<http://www.bizjournals.com/phoenix/news/2011/11/01/asu-researchers-link-birth-control.html>
- "Birth Control Shot Depo Provera May Impair Memory"  
<http://www.medicaldaily.com/news/20111101/7731/depo-provera-birth-control-shot-memory-impairment.htm>
- "Birth control and hormone drugs 'could cause memory loss'  
<http://www.figo.org/news/birth-control-and-hormone-drugs-could-cause-memory-loss-005451>
- "Study links birth control shot to memory loss"  
<http://columbiachronicle.com/study-links-birth-control-shot-to-memory-loss/>

## **ADDITIONAL POSTER ABSTRACTS**

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- Said, A.J.<sup>^</sup>, **Braden, B.B.**, Woodruff, B.K., Caselli, R.J., & Wallace, G.L. Autistic Traits and the Aging Brain.
34. Society for Neuroscience Annual Meeting. January 2021 (Virtual)
33. International Society for Autism Research Annual Meeting. May 2021 (Virtual)
32. Haynes, C.\* , Walsh, M.\* , Pagni, B.\* , Foldes, E.\* , Baxter, L., Riecken, C.\* , Macomber, A.\* , Clark, A.\* , Webb, C.\* , Catchings, M.\* , Alvar, J.\* , **Braden, B.B.** *Emotion regulation in autism spectrum disorder: Neural mechanisms and mood symptoms*. Poster presented by first author at Arizona State University's Barret, The Honors College Celebrating Honors Annual Research Symposium in April 2019.
31. Cohen, J.\* , **Braden, B.B.**, Lewis, C.R.<sup>^</sup>, Taguinod, F.\* , Jepsen, W.\* , Walker, N.\* , Agrawal, K.\* , and Huentelman, M.J. The Relationship between Autism Spectrum Disorder and Telomere Length. Translational Genomics Research Institute 2018 Intern Symposium. July 27, 2018
30. Wharton, C., Barto, H., **Braden, B.B.**, Buhrman, Y., Buman, M., Broman, T., Ipe, M., Kessler, R., Leischow, S., Liss, J., McCullough, M., Sanchez, A., and Scotch, M. Syncopated Pandemonium: Redesigning a College for Translational Science and Learning. Science of Team Science (SciTS) 2018 Conference
29. Nespodzany, A., **Braden, B.B.**, Smith, C.J., and Baxter, L.C. Planning and efficiency on the Tower of London test in ASD. International Society for Autism Research Annual Meeting, May 10, 2018, Rotterdam, Netherlands
28. Jones, R.\* , Walsh, M.\* , Leslie, B., Smith, C, and **Braden, B.B.** *Understanding cognition in adults with autism spectrum disorder: Contributions of age, mood, and social networks*. Poster presented by first author at Arizona State University's Barret, The Honors College Celebrating Honors Annual Research Symposium in April 2017.
27. Agrawal, K.\* , **Braden, B.B.**, Lewis, C.R.<sup>^</sup>, Jepsen, W.\* , and Huentelman, M.J. The Relationship between Autism Spectrum Disorder and Telomere Length. Translational Genomics Research Institute 2017 Intern Symposium. July 28, 2017
- Deatherage, B.R.\* , **Braden, B.B.**, McBeath, M.K., and Baxter, L.C. Cerebellar Differences Associated with Fine Motor Dysfunction in Aging Autism Cohort.
26. Arizona Alzheimer's Disease Consortium Annual Meeting, May 19, 2016.
25. Society for Neuroscience Annual Meeting, Nov. 13, 2016, San Diego, CA.
24. Moore, A.\* , **Braden, B. B.**, Danvers, A.\* , Glaspy, T.\* , Rose, A.\* , McBeath, M.K., Shiota, M., Baxter, L.C. Face and Context Help in Generating Sad Mood. Barrow Neurological Institute Student Research Symposium, August 6<sup>th</sup>, 2014, Phoenix, AZ.
23. Steinke, K.<sup>^</sup>, **Braden, B.B.**, Frakes, D., Oland, G., Rios, J., Baxter, L.C. Approximate entropy as a metric for quantifying fMRI changes across time. Arizona Alzheimer's Consortium Annual Meeting Planner, June 5, 2014.
22. Yang, S.<sup>^</sup>, Nie, Z.<sup>^</sup>, **Braden, B.B.**, Morrone-Strupinski, J., Steinke, K.<sup>^</sup>, Ye, J., Baxter, L.C. Dynamic Brain Changes Associated with New Learning. Arizona Alzheimer's Consortium Annual Meeting Planner, June 5, 2014.
21. Roberts, N.L.<sup>^</sup>, Engler-Chiurazzi, E.B.<sup>^</sup>, Acosta, J.I.<sup>^</sup>, **Braden, B.B.**, Camp, B.W.<sup>^</sup>, Tsang, C.W.<sup>^</sup>, Luecken, L., McBeath, M., and Bimonte-Nelson, H.A. Girl Brain Power: Targeting a Brain Fair for Children to elementary-aged girls to empower and excite about science. Society for Neuroscience Annual Meeting, October 16 2012, New Orleans, LA.



20. Engler-Chiurazzi, E.B.<sup>^</sup>, Mennenga, S.E.<sup>^</sup>, Acosta, J.I.<sup>^</sup>, **Braden, B.B.**, Camp, B.W.<sup>^</sup>, Tsang, C.W.<sup>^</sup>, Roberts, N.L.<sup>^</sup>, and Bimonte-Nelson, H.A. The Brain Fair for Children: a how-to guide for efficient and impactful brain awareness and community outreach. Society for Neuroscience Annual Meeting, October 16, 2012, New Orleans, LA.
- Mennenga, S.E.<sup>^</sup>, Engler-Chiurazzi, E.B.<sup>^</sup>, Talboom, J.S.<sup>^</sup>, **Braden, B.B.**, Tsang, C.S.<sup>^</sup>, Andrews, M.<sup>^</sup>, and Bimonte-Nelson, H.A. Continuous Estrone Treatment Impairs Spatial Memory and Does Not Increase Number of Basal Forebrain Cholinergic Neurons in the Surgically Menopausal Middle-aged Rat.
19. 2012 National Science Foundation Joint Annual Meeting
18. Window of Opportunity for Estrogen and Progestin Intervention During Aging and Alzheimer's Disease Meeting, May 31<sup>st</sup>- June 1<sup>st</sup> 2012, Ft. Worth TX
- Camp, B.W.<sup>^</sup>, Grunfeld, I.S.<sup>\*</sup>, Engler-Chiurazzi, E.B.<sup>^</sup>, Acosta, J.I.<sup>^</sup>, Mennenga, S.E.<sup>^</sup>, **Braden, B.B.**, Tsang C.W.S.<sup>^</sup>, Kingston, M.L.<sup>^</sup>, Hewitt, L.T.<sup>^</sup>, Brewer, G.A., Baxter, L.C., McBeath, M.K., and Bimonte-Nelson, H.A. Walk this way: translating the rodent radial-arm maze to humans.
17. 2011 Abstract Viewer/Itinerary Planner, Washington, DC: Society for Neuroscience
16. Arizona Alzheimer's Consortium Annual Meeting Planner, June 10, 2011.
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