



ARLENER D. TURNER, PHD

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EDUCATION

PhD, Neuropsychology Howard University Washington, DC	Dec 2010
MS, Clinical Psychology Illinois School of Professional Psychology Chicago, IL	Aug 2005
BS, Psychology University of Illinois Urbana/Champaign, IL	May 2003

POST-GRADUATE TRAINING

Post Doctoral Fellow Study Neuropsychologist, MATRICS Study Northwestern Feinberg School of Medicine/Rush Sleep Disorders Service & Research Center, Chicago, IL	Feb 2015–Jun 2017
Post Doctoral Research Fellow, Center of Excellence on Disparities in HIV & Aging Rush University Alzheimer's Disease Center, Chicago, IL	Nov 2012–Nov 2014
Intramural Research Training Fellow, Experimental Therapeutics & Pathophysiology Branch National Institutes of Mental Health, Bethesda, MD	Aug 2010–Aug 2011

HONORS & AWARDS

Program to Increase Diversity in Behavioral Medicine & Sleep Disorders Research Scholar, NHLBI	2020
The American Academy of Sleep Medicine Young Investigator Research Forum Scholar	2016
Congruent Mentorship to Reach Academic Diversity in Neuroscience Research Scholar	2016
Butler-Williams Scholar, National Institutes on Aging	2013
Health Equities Leadership Institute (HELI) Scholar, University of Wisconsin, Madison	2013

PROFESSIONAL AFFILIATIONS

American Psychological Association	2004–Present
Division 40: Clinical Neuropsychology	2010–2011
Sleep Research Society (SRS)	2015–Present
Alzheimer's Association Intern. Society to Advance Alzheimer's Research and Treatment (ISTAART)	2020–Present
Gerontological Society for America	2012–Present

ACADEMIC APPOINTMENTS

Research Assistant Professor University of Miami, Miller School of Medicine Miami, FL Department of Psychiatry & Behavioral Sciences	Jun 2021–Jun 2024
Research Assistant Professor New York University, Grossman School of Medicine, New York, NY Department of Psychiatry	Jul 2019–May 2021

Assistant Professor and Assistant Chair, Psychology

National Louis University | Chicago, IL
Department of Human Services & Psychology, Undergraduate College

Sep 2018–Jun 2019

Affiliate Investigator Faculty, Psychology

Virginia State University | Virginia
Department of Psychology, Psychoneuroimmunology of Risk and Disease (PNIRD) Laboratory

Aug 2014–*Present*

TEACHING APPOINTMENTS

Adjunct Professor, Psychology

Miami Dade College | Miami, FL
Department of Social Services

Aug 2024–*Present*

Adjunct Professor, Psychology

National Louis University | Chicago, IL
Department of Human Services & Psychology, Undergraduate College

Sep 2017–Aug 2018

Adjunct Professor, Psychology

Sanford Brown College | Skokie, IL
Department of Human Services

Jun 2012–Dec 2012

Adjunct Professor, Psychology

Northern Virginia Community College | Annandale, Virginia
Department of Psychology

Aug 2011–May 2012

Graduate Teaching Assistant, Psychology

Howard University | Washington, DC
Department of Psychology

Aug 2011–May 2012

RESEARCH ACTIVITIES

Areas of Research Interest

I have developed a unique biobehavioral and psychoneuroimmunological research perspective that integrates neuropsychology, biopsychosocial determinates of health, and sleep science, with epidemiological assessment competencies, and centers on investigating how health impacts cognition, and how this relationship intersects with race and ethnicity via conditions that disproportionately affect minoritized communities. My current research focuses on the multifaceted ways in which disturbed sleep can increase risk for cognitive decline and Alzheimer's disease, including but not limited to, health disparities, modifiable risk factors, biomarkers, and genetic polymorphisms. My goal is to identify and employ mechanisms within the brain-heart pathway to increase health equity in modifiable risk factors (e.g. sleep) for neurodegeneration and cognitive dysfunction.

Key Terms: Neuropsychology, Sleep, Biomarkers, Neurodegeneration, Social Determinates of Health, Cognition, Healthy Aging, Risk Factors, Neuropathology, Health Equity

Funded Research Performed

Intramural Grants

❑ *Fitness and sleep as mediators of brain health and function in motoric cognitive risk syndrome*

Role: Co-Investigator & Project Lead UM Aging Team Science Award (AWD-AGE-TSA02) Nov 2023–Oct 2024

✦ Developed and managed the sleep assessment protocol, consulted on the development of the cognitive protocol, created part of the cognitive battery, and managed the collection, storage, and assessment of sleep data, for this study exploring the influence of sleep and exercise on brain health and function in individuals with motoric cognitive risk syndrome.

Extramural Grants

❑ *Innovative Deep Phenotyping of African Americans at Risk for Alzheimer's disease*

Role: Research Scientist & Data Coordinator NIA (R01AG077677) Jun 2023–Jun 2024

✦ Conceptualized, developed, and conducted a sleep assessment protocol, including creating calculation & storage databases for the data, and, collecting & synthesizing the data as part of an additional assessment in a study aimed at including and deeply phenotyping older Black/African Americans in Alzheimer's research using novel cognitive and biomarker assessments.

- ❑ *Personalized OSA treatment and effects on AD biomarkers and cognition among Blacks (PRAISE)*
Role: Co-Investigator & Project Lead, NIA (R01AG075007) Sep 2022–Feb 2023

 - ✦ Developed the cognitive protocol for this project assessing the effectiveness of a Personalized OSA Treatment Adherence Model in enhancing adherence among Black adults by implementing an intervention to ascertain adherence to and effects of treatment on Alzheimer’s biomarkers & cognitive function, and oversaw the training for its successful implementation.

- ❑ *Determinants of insufficient sleep in Black people & effects on disparities (ESSENTIAL)*
Role: Co-Investigator NHLBI (R01 HL142066-03) Dec 2021–Feb 2023

 - ✦ Directed research staff through the successful administration of study operations including participant management, device deployment, and ensuring regulatory compliance in this study designed to provide evidence to delineate factors underlying greater rates of insufficient sleep among Black Americans and explain any putative associations with markers of CVD, inflammation, and brain injury.

- ❑ *Program to Increase Diversity in Faculty Engaged in Behavioral & Sleep Medicine Research: (BSM PRIDE)*
Role: Co-Investigator | Internal Training Lead, NHLBI (R25 HL105444) Aug 2021–Feb 2023

 - ✦ Supervised the research coordinator and developed the training framework and curriculum for the Behavioral Medicine and Sleep Disorders Training Institute which works to develop & sustain a network of minority faculty committed to pursuing behavioral sleep medicine careers aimed at reducing cardiovascular risk.

- ❑ *Mechanisms of Sleep Deficiency Effects on Brain Injury Neurocognitive Functions Older Black Adults (MOSAIC)*
Role: Co-Investigator | Project Lead, NIA (R01AG067523) May 2020–Feb 2023

 - ✦ Developed the cognitive protocol, created the cognitive battery, & managed operations of this large-scale community-based study exploring mechanisms of insufficient sleep & disparities in cognitive functioning, Alzheimer’s disease risk and markers of brain health in older Black Americans.

- ❑ *Administrative Supplement–Determinants of insufficient sleep in Black people & effects on disparities (ESSENTIAL)*
Role: Co-Investigator | Lead Supplement Investigator NHLBI (R01 HL142066-02S1) May 2020–Apr 2021

 - ✦ Conceptualized and conducted a project exploring the impact of insufficient sleep on Alzheimer’s disease via biomarkers of neuroinflammation & neurodegenerative pathogenesis and the influence of environmental & psychosocial stressors on sleep and cognitive consequences, in older Black Americans.

- ❑ *Sleep Aging and Risk for Alzheimer's Disease- Resubmission-1 (SARA)*
Role: Sub-Investigator NIA (R01 AG056031-07) Jul 2020–May 2021

 - ✦ Managed the day-to-day operations of this research study exploring how sleep quality and severity of OSA lead to amyloid deposition using home-sleep monitoring, cerebrospinal fluid collection and direct brain interrogation via nocturnal polysomnography and 18F-Florbetaben PET/MR at baseline and at 24-month follow-up. This included management of the studies’ 9 research staff members (5 Research Coordinators, 2 student interns and 2 volunteers), and acted as the liaison across the psychiatry, radiology (neuroimaging), and pulmonology (sleep lab) teams.

- ❑ *Locus-coeruleus function in normal elderly and AD risk (LEAD)*
Role: Sub-Investigator NIA (R21AG067549-02) Jun 2020–May 2021

 - ✦ Collaborated on the development of the neurocognitive assessment of attention in this clinical trial exploring whether locus coeruleus dysfunction can be measured in preclinical Alzheimer’s disease stages by locus coeruleus targeted neuroimaging ([¹¹C]MRB PET-MR), and whether it objectively affects sleep architecture and attention measured via nocturnal polysomnography and neuropsychological assessment of attention.

- ❑ *Slow Wave Sleep (SWS) and the Effect of African Ancestry on Amyloid Burden, A Longitudinal Study (SleepAWARE)*
Role: Sub-Investigator NIA (R01 AG056531-03) Jun 2020–May 2021

 - ✦ Supervised the recruitment and management of participants, including the collection and analyzing of neuroimaging and cardiovascular data in this research study that utilizes nocturnal polysomnography and measurements of amyloid load and cerebrovascular morbidity analyzed by 11C-PiB PET-MR to examine whether poor slow wave sleep (SWS) is associated with higher amyloid burden among African American participants.

- **COMRADE Pilot: *Influence of Habitual Long Sleep on Biomarkers of Neuroinflammation & Neurodegeneration***
Role: Pilot Principal Investigator NINDS (R25NS094093-04S2) Sep 2019–Aug 2021
 ✦ Conceptualized and conducted this project exploring the influence of long sleep on biomarkers of neuroinflammation & neurodegenerative pathogenesis, by utilizing participants from a cohort study examining the effects of chronic, moderate sleep restriction on multiple outcomes in older adults.
- **Diversity Supplement - *Sleep Aging and Risk for Alzheimer's Disease- Resubmission-1 (SARA)***
Role: Co-Investigator & Project Lead (Faculty) NIA (R01 AG056031-06S1) Jul 2019–Jun 2020
 ✦ Conceptualized and conducted research extending parent grant outcomes to examine the relationship between sleep apnea and cognition, by developing a computerized battery of tests for cognitive assessment sensitive to sleep-dependent impairments that complements the standardized Alzheimer's disease Centers' battery and minimizes known racial and education biases.
- **Diversity Supplement - *Multidisciplinary Treatment for Obstructive Sleep Apnea and Insomnia (MATRICS)***
Role: Co-Investigator & Project Lead (Postdoc) NHLBI (R01 HL114529-03S1) Jan 2015–Jul 2017
 ✦ Conceptualized and conducted research extending parent grant outcomes to examine neurocognitive impairment in individuals with comorbid insomnia and sleep apnea and to evaluate the benefits of treatment (CBT, CPAP, combined treatment) on neurocognitive performance, compared to no treatment.

Submitted Grants

- ***RestPress™: A Somatosensory Intervention for Sleep Health (SEAL)***
Role: MPI (Contact PI – Erin-Leigh Gallop) NHBLI (R43HL187170) Project Period: 2026-2028
 ✦ The goal of this project is to support the design and testing of a patented innovative sleep health technology product.

In Progress Grants

- ***From Efficacy to Translation: Feasibility of Workforce Training to Improve Sleep Health with the S.L.E.E.P.™ Model (FERRET)***
Role: MPI (Contact PI – Erin-Leigh Gallop) NCCIH (R34 - TBD) Project Period: 2026-2028
 ✦ The goal of this project is the development of a clinical trial exploring the feasibility and acceptability of a culturally adapted, mind–body–based intervention to improve sleep health and well-being.
- ***Pressure-Assisted Neuroregulation for Healthy Rest (PANTHER)***
Role: Contact-PI (MPI – Erin-Leigh Gallop) NHLBI (R21 - TBD) Project Period: 2026-2028
 ✦ The goal of this grant is to utilize secondary data analysis with the Sleep Heart Health Study (SHHS) and Multi-Ethnic Study of Atherosclerosis (MESA) Sleep Study datasets to identify subpopulations with impaired somatic regulation, develop a Somatic Input Need Index (SINI), and link physiologic and psychosocial markers to cardiometabolic and sleep-related health outcomes, with the goal of informing scalable, adaptive sleep interventions.

TEACHING ACTIVITIES

Teaching Philosophy

I believe the foundation of education is a collaboration on the transfer of knowledge, which means that each side of the equation, professor and student, brings a unique perspective that when nurtured fosters a stimulating educational environment perfect for mental, emotional, and social growth. Therefore, I utilize engagement, discussion, and sharing experiences to link the insights of the content into students' lived experiences to make the information relevant, relatable, and more personal and thus hard to forget. I also strive to create a safe environment for students to express themselves and view mistakes as learning experiences. I lean into my professional/research experience to make information relatable in the classroom, and I lean into my experience teaching, developing curriculum, and supporting faculty and mentors to inform my individualized, equity-centered mentorship approach.

Classroom, Seminar, or Teaching Laboratory Courses Taught

Miami Dade College

Aug 2024–present

- ✦ Introduction to Psychology
- ✦ Psychology of Personal Effectiveness
- ✦ Abnormal Psychology
- ✦ Behavioral Neuroscience
- ✦ Psychology of Addiction
- ✦ Human Growth and Development

National Louis University, Chicago, IL

Sep 2017–Jun 2019

- ✦ Career Development Seminar
- ✦ Introduction to Psychology
- ✦ Memory & Cognition
- ✦ Principles & Dynamics of Interviewing
- ✦ Principles & Practice of Group Process
- ✦ Psychology of Learning
- ✦ Student Success Seminar
- ✦ Think Global: Perspectives from the Field

Sandford Brown College, Skokie, IL

Jun 2012–Dec 2012

- ✦ Psychology of Disease
- ✦ Introduction to Psychology

Northern Virginia Community College, Annandale, VA

Aug 2011–May 2012

- ✦ Introduction to Psychology I
- ✦ Introduction to Psychology II

Howard University

Aug 2007–May 2010

- ✦ Brain and Behavior
- ✦ Experimental Psychology
- ✦ Psychological Testing
- ✦ Research Methods and Statistics

Personnel Mentored/Supervised

Rachel McCray, Graduating Senior, Psychology Department, NYU

Clarence Locklear, PhD Candidate, Pharmacology, University of Miami, Miller School of Medicine

Daisha Oruru, PhD Candidate, Neuroscience, University of Miami, Miller School of Medicine

Mary Carrasco, Graduating Senior, Barry University, and Research Intern, Student Training in Research (STIR) program, University of Miami, Miller School of Medicine

Pherris Simpkins, Graduating Senior, Barry University, and Research Intern, Student Training in Research (STIR) program, University of Miami, Miller School of Medicine

Kara Termulo, Medical Student, University of Hawaii, John A. Burns School of Medicine, and Research Intern, Medical Student Training in Aging Research (MSTAR) program, New York University, Grossman School of Medicine

Kate E. Simmons, Undergraduate Honors Senior Thesis Advisee, Neuroscience Department, University of Miami

Teaching and Supervision Activities Outside of Classroom Instruction

Graduate Student Meeting, *UMSOM Center for Translational Sleep & Circadian Sciences (TSCS)* 2021–2023

Weekly coordination and supervision of graduate students with the objective of informal advisement. The meeting allows for a relaxed and open discussion within a group setting with a faculty member to ensure a continued symbiotic relationship.

Research Seminar, *NYU Healthy Brain Aging and Sleep Center (HBASC) | TSCS* 2019–2023

Weekly coordination and facilitation of an informal virtual meeting with a broad research audience, from novice to veteran, designed to give guidance on research processes and focused on implementing and disseminating research.

Curriculum/Course Development, *National Louis University, Undergraduate Psychology* 2019

Courses Developed: • Research Methods • Memory & Cognition

Journal Club *Rush University Sleep Disorders Service and Research Center* 2015–2017

Weekly coordination and supervision of research assistants & sleep science fellows with the objective of critical evaluation of peer-reviewed research articles and applying this knowledge to the care of sleep patients and future sleep research.

Presentations by Mentored Personnel

1. McCray, RA, Oruru, D, Locklear, C, Bubu, OM, **Turner, AD** (Pending July 2024) *Examining the Effect of Work-Life Imbalance on Cognitive Complaints*. [Poster] Alzheimer's Association International Conference Scientific Meeting, Philadelphia, PA
2. McCray, RA, Oruru, D, Locklear, C, Bubu, OM, **Turner, AD** (June 2024) *Exploring the Relationship Between Work-Life Imbalance and Subjective Cognitive Complaints and Its Effect on Sleep*. [Poster] SLEEP Meeting, Houston, Tx.
3. McCray R, Bubu OM, Blanc J, Seixas A, Jean-Louis G, **Turner AD** (November 2023) *Potential protective effects of instrumental activities of daily living on Alzheimer's characteristics*. [Poster] Gerontological Society for America Scientific Meeting, Tampa, FL.
4. McCray R, Bubu OM, Blanc J, Seixas A, Jean-Louis G, **Turner AD** (November 2022). *Exploring Efficacy of MoCA Score Corrections in Reducing Influence of Race*. [Poster] Gerontological Society for America Scientific Meeting, Indianapolis, IN.
5. Carrasco M, Seixas A, Locklear CE, Blanc J, **Turner AD**, Jean-Louis G. (July 2022) *Association between Disrupted Sleep and Increased Risk of Obesity and Type 2 Diabetes Mellitus (T2DM)*. [Poster] Summer Research Training Symposium, Miami, FL.
6. Simpkins P, Jean-Louis G, Locklear CE, Sanchez A, **Turner AD**, Seixas A (July 2022) *The Effects of PSQI Outcomes on Health Disparities Within the Black Community*. [Poster] Summer Research Training Symposium, Miami, FL.
7. Locklear C, Narcisse M-R, Seixas A, Martin C, Moise R, **Turner AD**, Blanc J, Rogers A, Jean-Louis G (June 2023). *Associations between sleep health & injuries among adults in the US: findings from NHIS*. [Poster] SLEEP Meeting, Indianapolis, IN
8. Locklear C, Jin P, Seixas A, Briggs A, Rogers A, **Turner AD**, Blanc J, Jean-Louis G (June 2022). *Is SVI a Risk Factor for Sleep and Cardiometabolic Health among Black People?* [Poster] SLEEP Meeting, Charlotte, NC.
9. Locklear CE, (January 2022). *Slow-Wave Sleep as a Mediator of DNA Damage and Repair Mechanisms in a Mouse Model of AD*. Molecular & Cellular Pharmacology Program, Qualifying Exam Presentation.
10. Termulo K, Osorio R, Fieremans E, Turner AD, Ades-aron B, Bubu OM (2020). *Validation of a bi-phasic model for the pathophysiology of Preclinical Alzheimer Disease cerebral cortical atrophy*. Accepted for presentation at the American Geriatrics Society 2020 Annual Scientific Meeting.

PUBLICATIONS & PRESENTATIONS

Peer-Reviewed Publications & Published Abstracts Links

www.ncbi.nlm.nih.gov/myncbi/arlener%20danielle.turner.1/bibliography/public/ OR <https://scholar.google.com/citations?user=fu2E3gEAAAAJ&hl>

Peer-Reviewed Publications & Published Abstracts List

Peer Reviewed Journal Articles

1. Banks SJ, Yhang E, Tripodis Y, Su Y, Protas H, Adler CH, Balcer LJ, Bernick C, Mez JB, Palmisano J, Barr WB, Dodick DW, Mcclean MD, Martin B, Hartlage K, **Turner AD**, Turner RW, . . . , Alosco ML, (2024). Clinical Outcomes Tau Pathology in Retired Football Players: Associations with Diagnosed & Witnessed Sleep Apnea. *Neurology Clinical Practice*. 14(2):e200263.
2. **Turner, AD**, Ong, JC, Jones, A, Tu, A, Salanitro, M, & Crawford, M, (2023). Neurocognitive functioning in COMISA patients better after PAP therapy, worse after CBT-I: Exploratory analysis Cognitive Outcomes from MATRICS Study. *Sleep*, 14; 46(8): zsad128.
3. **Turner, AD**, Locklear, CE, Oruru, D, Briggs, AQ, Bubu, OM, & Seixas, A, (2023). Exploring the combined effects of sleep apnea and APOE-e4 on biomarkers of Alzheimer's disease. *Frontiers in aging neuroscience*, 14, 1017521.
4. Keen, L, 2nd, **Turner, AD**, George, L, & Lawrence, K, (2022). Cannabis use disorder severity and sleep quality among undergraduates attending a Historically Black University. *Addictive behaviors*, 134:107414.
5. Bubu, OM, Kaur, SS, Mbah, A. K., Umasabor-Bubu, OQ, Cejudo, JR, Debure, L, Mullins, AE, Parekh, A, Kam, K, Osakwe, ZT, Williams, ET, **Turner, AD**, . . . Osorio, RS, (2022). Obstructive Sleep Apnea and Hypertension with Longitudinal Amyloid- β Burden and Cognitive Changes. *American journal of respiratory and critical care medicine*, 206(5), 632–636
6. Lal, C, Ayappa, I, Ayas, N, Beaudin AE, Hoyos C, Kushida CA, Kaminska M, Mullins A, Naismith SL, Osorio RS, Phillips CL, Parekh A, Stone KL, **Turner, AD**, Varga AW, (2022). The link between OSA and neurocognitive impairment: An Official ATS Workshop Report. *Annals of the American Thoracic Society* 19(8):1245-1256.
7. Mielke, MM, Aggarwal, NT, Vila-Castelar, C, Agarwal P, Arenaza-Urquijo EM, Brett B, Brugulat-Serrat A, DuBose LE, Eikelboom WS, Flatt J, Foldi NS, Franzen S, Gilsanz P, Li W, . . . **Turner, AD**, et.al. (2022). Consideration of sex and gender in Alzheimer's disease and related disorders from a global perspective. *Alzheimer's & dementia* 18(12):2707-2724.
8. Keen, L, **Turner, AD**, Harris, T, George, L, & Crump, J, (2022). Differences in internalizing symptoms between those with and without Cannabis Use Disorder among HBCU undergraduate students. *Journal of American College Health*, 71(8):2390-2397.
9. Tu, AY, Crawford, MR, Dawson, SC, Fogg, LF, **Turner, AD**, Wyatt, JK, Crisostomo, MI, Changani, BS, Kushida, CA, Edinger, JD, Abbott, SM, Malkani, RG, Attarian, HP, Zee, PC, Ong, JC, (2022). Randomized controlled trial of CBT-I & PAP for obstructive sleep apnea and comorbid insomnia: effects on nocturnal sleep, daytime performance. *Journal of clinical sleep medicine*: 18(3), 789–800

10. Osakwe ZT, Senteio C, Bubu OM, Obioha C, **Turner AD**, Thawani S, Saint Fleur-Calixte R, and Jean-Louis G, (2022). Sleep Disturbance & Strain among Caregivers of Persons Living with Dementia. *Frontiers Aging Neuroscience*. 13:734382,
11. Bubu, OM, Umasabor-Bubu, OQ, Williams, ET, **Turner, AD**, Williams, N, Jean-Louis, G, Osorio, R, (2021). Interaction obstructive sleep apnea severity and amyloid burden on novel plasma biomarkers tau & neurofilament light protein in community-dwelling cognitively normal older-adults. *Alzheimer's & Dementia*, 17: e055491.
12. Bubu, OM, Williams, ET, Umasabor-Bubu, OQ, Kaur, SS, **Turner, AD**, et. al. (2021). Interactive Associations of Neuropsychiatry Inventory-Questionnaire Assessed Sleep Disturbance & Vascular Risk on Alzheimer's Disease Stage Progression Clinically Normal Older Adults. *Frontiers in aging neuroscience*, 13, 763264.
13. Donley, T, Hsieh, PY, Grant, AB, Izeogu, C, **Turner, AD**, & Williams, N (2021). Re: "Academic Productivity Differences by Gender & Child Age in STEAM Faculty During COVID-19 Pandemic," by Krukowski et al. *J Womens Health (Larchmt)* 30(9),1365–1366
14. Seixas, A, **Turner, AD**, Bubu, OM, Jean-Louis, G, de Leon, M, Osorio, R, Glodzik, L (2021) Obesity & Race May Explain Differential Burden of White Matter Hyperintensity Load. *Clinical interventions aging*, 16, 1563–1571.
15. Jean-Louis G, **Turner AD**, Seixas A, Peng J, Rosenthal D, Liu M, Avirappattu G (2020). Epidemiologic Methods to Estimate Insufficient Sleep US Population *Inter. Journal Environmental Research & Public Health* 17(24), 9337-45
16. Bubu OM, Umasabor-Bubu O, **Turner AD**, Parkeh, A, Kam, K, Mullins, A, Birckbichler, M, Mhah, A, Williams, N, Rapoport D, Jean-Louis G, Ayappa I, Varga A, Osorio R (2020). Self-reported Obstructive sleep apnea, amyloid & tau burden and Alzheimer's disease time-dependent progression. *Alzheimer's & Dementia* 17(2); 226-248
17. Jean-Louis G, **Turner AD**, Peng J, Liu M, Boutin-Foster C, McFarlane S, Seixas A (2020) Increased Metabolic Burden among Blacks: Putative Mechanism for Disparate COVID19 Outcomes *Diabetes Metabolic Syndrome Obesity* 13:3471-79.
18. Ewing, AT, **Turner, AD**, Townson, M, Slade, J, Nasir, B, Elmi, A, Sayki, K, ... Erby, L (2020) Amplifying voices: advice, guidance, & perceived value of cancer biobanking research among older, diverse cohort. *Journal of Cancer Education* 37(3):683-693
19. Ong JC, Crawford MR, Dawson SC, Fogg LF, **Turner AD**, Wyatt JK, Crisostomo MI, Chhangani BS, Kushida C, Edinger J, Abbott SM, Malkani RG, Attarian HP, Zee PC (2020). A Randomized Controlled Trial of CBT-I & PAP for Obstructive Sleep Apnea & Comorbid Insomnia: Main Outcomes from MATRICS Study. *Sleep* 43(9); zsa041
20. Bubu OM, Andrade AG, Umasabor-Bubu OQ, Hogan MM, **Turner AD**, de Leon M, Ogedegbe G, Ayappa I, Jean-Louis G, Jackson ML, Varga A, Osorio R (2019). Obstructive sleep apnea, cognition, and Alzheimer's disease: A systematic review integrating three decades of multidisciplinary research. *Sleep Medicine Reviews* 50, 101250.
21. Goldstein MR, **Turner AD**, Dawson SC, Segal ZV, Shapiro SL, Wyatt JK, Manber R, Sholtes D, & Ong JC (2018). Increased high-frequency NREM EEG power associated with mindfulness-based interventions for chronic insomnia: Preliminary findings from spectral analysis. *Journal of Psychosomatic Research* 120:12-19.
22. **Turner, AD**, Smith, CE, Ong, JC. (2017) Is Purpose in Life Associated with Less Sleep Disturbance in Older Adults? *Sleep Science & Practice* 1:14,1-10
23. **Turner, AD**, James, BD, Capuano, AW, Aggarwal, NT & Barnes, LL. (2017). Perceived Stress and Cognitive Decline in Different Cognitive Domains in Cohort of Older African Americans. *American Journal of Geriatric Psychiatry* 25(1):25-34
24. **Turner, AD**, Buchman, A, Lim, A, Bennett, D, & Barnes, LL. (2016). Characteristics of Self-reported Sleep in Older African Americans and Non-Hispanic White Americans. *Ethnicity and Disease* 26(4):521-528.
25. Crawford, MR, **Turner, AD**, Wyatt, JK, Fogg, LF, & Ong, JC. (2015). Evaluating treatment of sleep apnea and comorbid insomnia using an incomplete factorial design. *Contemporary Clinical Trials* 47:146-152.
26. Keen II, L. & **Turner, AD**. (2015). Differential Effects of Self-Reported Lifetime Marijuana Use on Interleukin-1 Alpha and Tumor Necrosis Factor in African American Adults. *Journal of Behavioral Medicine* 38(3):527-534.
27. **Turner, AD**, Capuano, A.W., Wilson, R.S., & Barnes, L.L. (2014). Depressive Symptoms and Cognitive Decline in Older African Americans: Two Scales and Their Factors. *American Journal of Geriatric Psychiatry* 23(6):568-578.
28. Keen II, L, **Turner, AD**, Mwendwa, D, Callender, C, & Campbell, A. (2015). Depressive Symptomatology and Respiratory Sinus Arrhythmia in a Non-Clinical Sample of Middle-Aged African Americans. *Biological Psychology* 108:56-61.
29. Fleischman, DA, Yang, J, Arfanakis, KA, Arvanitakis, Z, **Turner, AD**, Barnes, LL, Bennett, DA, Buchman, AS. (2015). Physical activity, motor function and white matter hyperintensity burden in healthy old adults *Neurology* 84(13):1294-1300.
30. Barnes, LL, Capuano, AW, Aiello, AE, **Turner, AD**, Yolken, RH, Torrey, EF, Bennett, DA. (2014). Cytomegalovirus infection and risk of Alzheimer's Disease in older Blacks and Whites. *Journal of Infectious Diseases* 211(2):230-237.
31. Keen II, L, **Turner, AD**. (2014). Association Between IL-6 & Neurocognitive Performance Function of Self-Reported Lifetime Marijuana Use in Community-Based African American Adults. *Journal International Neuropsychological Society* 20(8):773-83
32. **Turner, AD**, Furey, M, Drevets, W, Zarate, CD, Nugent, A. (2012) Association Between Subcortical Volumes and Verbal Memory in Unmedicated Depressed Patients and Healthy Controls. *Neuropsychologia* 50:2348-2355

Books and/or Chapters

- Seixas, A, Briggs, AQ, Blanc, J, Moore, J, Chung, A, Williams, E, Rogers, A, **Turner AD**, Jean-Louis, G (2022). Sleep Health among Racial/Ethnic groups and Strategies to achieve Sleep Health Equity. In: Badr, MS, Martin, JL (eds) Essentials of Sleep Medicine. Respiratory Medicine, Chapter 3 Humana, Cham.
- Keen, L, **Turner, AD**, Pereira, D, Callender, C, Campbell, A. (2018) Psychoneuroimmunological Influences of Recreational Marijuana., In B.Toni (ed.) New Trends & Advanced Methods Interdisciplinary Mathematical Sciences, 123-142, Cham, Switzerland: Springer Int

Conference Presentations

- Pettway EC, Labonte JII, Turner RW, Bragg T, **Turner AD**, Banks SJ,...(July 2023), *Investigating Potential Racial Difference in Dementia-Related Plasma Biomarkers* [Poster] Alzheimer's Association International Conference Amsterdam, Netherlands
- Bubu OM, Umasabor-Bubu OQ, Kovbasyuk Z, Valkanova E, Mbah A, Cejudo J, **Turner AD**...Osorio R (July, 2023) *Associations of NREM Slow Wave Activity & Regional in-vivo tau PET deposition in community-dwelling cognitively normal older-adults with normal sleep.* [Poster] Alzheimer's Association International Conference, Amsterdam, Netherlands
- Crawford, MR, **Turner, AD**, Jones, AL, Salanitro, M, Ong, JC (September 2022) *Cognitive functioning after CBTI and CPAP in individuals with comorbid insomnia and OSA (COMISA)* [Poster] Sleep Europe, Athens, Greece.
- Bubu, OM, Umasabor-Bubu, OQ, Mbah, A, Kaur, S, **Turner, AD**, Williams, N, Jean-Louis, G, Osorio, R (July 2022). *Effect of APOE genotype on the Association between Sleep Disturbance and Cognition across Racial/Ethnic groups.* [Poster] Alzheimer's Association International Conference. San Diego, CA.
- **Turner, AD**, Keen, L, Bernard, M, Blanc, J, Seixas, A, Jean-Louis, G (June 2022). *Influence of Cannabis Use Disorder Sleep Quality among College Students.* [Poster] Annual SLEEP Meeting, Charlotte, NC
- **Turner, AD**, Jones, A, Ong, JC, Tu, A, Crawford, M (March 2022). *The effects of Cognitive Behavior Therapy for insomnia and Continuous Positive Airway Pressure on neurocognitive functioning in individuals with comorbid insomnia and sleep apnea (COMISA).* [Oral] Annual World Sleep Meeting, Rome, Italy.
- Blanc, J, Seixas, A, **Turner, AD**, Chung, A, Jean-Louis, G, Coffey, B (October 2021). *Caregiver Status Predicts PTSD Among New Yorkers During COVID-19 Pandemic.* [Poster] Annual American Academy Child & Adolescent Psychiatry Meeting, virtual.
- Bubu OM, **Turner AD**, Jean-Louis G, Osorio R (July 2020) Characterization of Cognitive Normal Older Obstructive Sleep Apnea Patients at Risk of Prospective Cognitive Decline Using the NIA-AA Research Framework. [Poster] Alzheimer's Association International Conference, Chicago, IL.
- Chen, J, Schramm, G, Ades-Aron, B, Vahle, T, Chen, Q, **Turner, AD**, Royse, S, Lopresti, B, Shepherd, T, Osorio, R, Fieremans, E (July 2020), *Impact of MR-guided PET reconstruction on tau detection and quantification with [¹⁸F]-MK-6240.* [Poster] Alzheimer's Association International Conference, Chicago, IL.
- **Turner AD**, Bubu OM, Rapoport D, Varga A, Ayappa I, deLeon M, Rusinek H, Glodzik L, Jean-Louis G, Osorio R (June 2020) *Influence of OSA severity & sex on cerebrovascular response* [Poster] SLEEP meeting virtual.
- **Turner AD**, Bubu OM, Viliani S, Deingeniis D, Osorio R (May 2020) *Sex differences in cardiovascular consequences of OSA & its relation to cognition* [Poster] American Thoracic Society Scientific Conference, virtual.
- Ong JC, Crawford MR, Wyatt J, Fogg L, **Turner AD**, Dawson S, Edinger J, Kushida C, Abbott S, Malkani R, Attarian H, Zee P (June 2019). *A Randomized Controlled Trial of CBT-I and CPAP for Comorbid Insomnia and OSA: Initial Findings from the MATRICS Study.* [Oral & Poster] SLEEP meeting, San Antonio, TX.
- **Turner, AD**, Smith, CE, & Ong, JC. (June 2017). *Purpose in Life and Sleep Disturbance in Older Adults.* [Oral & Poster] SLEEP meeting, Boston, MA.
- **Turner, AD**, Smith, CE, Chirinos, DA, Wyatt, J, Manber, R, & Ong, JC. (June 2016). *The contribution of stress, anxiety, and beliefs about sleep to mindfulness-based insomnia treatment response.* [Poster] SLEEP meeting, Denver, CO.
- Chirinos, DA, Smith, CE, **Turner, AD**, Wyatt, J, Manber, R, & Ong, JC. (March 2016). *Profiles of cognitive and affective symptoms of insomnia as predictors of short- and long-term treatment response.* [Poster] Rush University Forum for Research & Clinical Investigation, Chicago, IL.
- **Turner, AD**, James, BD, Capuano, AW, Aggarwal, NT, Barnes, LL. (November 2014). *Perceived Stress & Cognitive Decline in Cognitive Systems Older African American Cohort.* [Oral] Gerontological Society of America Scientific Meeting, Washington, DC
- **Turner, AD**, Capuano, AW, Wilson, RS, Barnes, LL. (November 2013). *Comparing Two Validated Depression Scales as Predictors of Cognitive Decline in African Americans.* [Poster] Gerontological Society of America Scientific Meeting, New Orleans, LA
- **Turner, AD**, Furey, M, Drevets, W, Zarate, CD, Nugent, A. (May 2010). *Association between Hippocampal Volume & Verbal Memory in Unmedicated Depressed Patients & Healthy Controls.* [Poster] Society of Biological Psychiatry, San Francisco, CA

Invited Presentations

Dec 2024—*The Significance of Rest*. Saltwater Fellowship at the Miami Foundation, Rest Session, Miami, FL
Mar 2024—*Impact of Sleep on Cognitive Function*. 1FloridaADRC Participant Appreciation Event, Miami, FL.
Feb 2024—*Sleep, Memory, & the Aging Brain*. Positive Aging, CME Course, University of Miami Miller School of Medicine
Feb 2024—*Epidemiology, Risk Factors & Characteristics Dementia Black Americans* 13th Annual Nantz Symposium Houston, TX.
Oct 2023—*Long-term Health Outcomes in Comorbid Insomnia & OSA* World Sleep Congress Symposium, Rio de Janeiro, Brazil
Apr 2023—*Non-Pharmacological Options for Alzheimer’s Disease Treatment*. 2023 Annual Alzheimer’s Public Educational Forum
Feb 2023—*Sleep & Cognition: Implications for Alzheimer’s Disease*. University of Arizona Behavioral Sleep Medicine Seminar

Community Presentations

Aug 2025—*Better Sleep, Brighter Days: Understanding Rest in Later Years* Wisdom Circle Speaker Series, Center for Spiritual Living
Oct 2024—*Sleep, Memory & the Aging Brain*. Miami Dade County Retired Educators Association (MDCREA)
May 2023—*Sleep Hygiene*. Jackson Health Foundation’s Annual Mind Your Health 5K & Community Festival
May 2023—*Sleep & Aging: Your Mental Health Matters*. Greater New Bethel Baptist Church, Miami, FL
Mar 2023—*Sleep, Aging, & Memory* Father Marquess Barry Senior -Apartments, Miami, FL

Media Coverage

- ❑ Marchante, M. (2024, June 5) What’s wrong with your brain? It could come down to what you need more of each night. *Miami Herald* <https://www.miamiherald.com/news/health-care/article288974020.html#storylink=cpy>
- ❑ McNamara, D (2023, March 6) Sleep Apnea, a Biomarker, & More Linked to Elevated Risk of Alzheimer’s in Black Individuals. *InventUM Research, Education, & Medical News*. <https://news.med.miami.edu/elevated-risk-of-alzheimers-disease-in-black-individuals/>
- ❑ MacMillian, A. (2017, July 10) Having a Sense of Purpose May Help You Sleep at Night. *Time Magazine*. <https://time.com/4851911/better-nights-sleep-tips/>
- ❑ Henderson, G. (2017, July 5) Cognitive declines tied to stress in older African Americans. Home. *MD Edge Clinical Psychiatry News*. <https://www.mdedge.com/clinicalpsychiatrynews/article/141840/geriatrics/cognitive-declines-tied-stress-older-african>

OTHER PROFESSIONAL ACTIVITIES

Board Memberships

Member—UCAN (Chicago), Youth who have suffered trauma can become our future leaders 2016–2019
Member—Alliance for Aging, Inc. (Miami), Answers for Aging 2024–present

Editorial Responsibilities

Ad Hoc Reviewer 2015–present

- Addictive Behaviors
- Alzheimer’s and Dementia Journal
- Alzheimer’s Association grant mechanisms
- Alzheimer’s Research & Therapy
- Biological Psychiatry
- DOVE Press Journals
- Ethnicity & Disease
- Frontiers journals
- Journal of Applied Gerontology
- Journal of Clinical Psychology
- Journal of Ethnicity in Substance Abuse
- Journal of Geriatric Psychiatry and Neurology
- Journal of Gerontology: Psychological Sciences
- Journal of Racial and Ethnic Health Disparities
- Neurocase
- Sleep Health: Journal of the National Sleep Foundation
- Sleep Medicine
- Sleep Science & Practice

University Committee and Administrative Responsibilities

Diversity and Inclusion Committee, University of Miami 2022–2024
Admissions Committee, University of Miami 2022–2024