

CURRICULUM VITAE

Warren D. Taylor, M.D., M.H.Sc.
James G. Blakemore Chair in Psychiatry
Professor of Psychiatry and Behavioral Sciences
Director, Division of Geriatric Psychiatry
Associate Director, Center for Cognitive Medicine

The Department of Psychiatry and Behavioral Sciences
Vanderbilt University Medical Center
And

The Geriatric Research, Education, and Clinical Center (GRECC)
Department of Veterans Affairs Medical Center, Tennessee Valley Healthcare System

May 2020

TABLE OF CONTENTS

Biographical Information	2
Licensure and Certification	2
Education and Postgraduate Training	2
Appointments and Positions	3
Professional Awards and Recognition	4
Publications	5
Invited Lectures	16
Media	20
Professional Memberships	21
Professional Activities – Service	22
Professional Activities – Education	24
Mentoring Activities	29
Research Support	36

CURRICULUM VITAE

BIOGRAPHICAL INFORMATION

Primary Appointment: Professor of Psychiatry
Department of Psychiatry and Behavioral Sciences

Initial Appointment: August 1, 2012 – Associate Professor of Psychiatry

Work Address: Vanderbilt University Medical Center Department of Psychiatry
1601 23rd Avenue South
Nashville, TN 37212
Office: (615) 322-1073
Fax: (615) 875-0686
warren.d.taylor@vanderbilt.edu

Home Address: 1500 Bledsoe Lane
Franklin, TN 37067
Home: (615) 567-6593
Mobile: (919) 740-3985

LICENSURE

1997 – 2014 North Carolina Medical Board
License 0097-01615 (currently inactive)

2012 – current Tennessee Board of Medical Examiners
License MD0000048989

SPECIALTY CERTIFICATION

2001 Psychiatry, Initial Certification, American Board of Psychiatry and Neurology
Certificate 49874

2011 Maintenance of Certification, Psychiatry, American Board of Psychiatry and
Neurology

2014 Geriatric Psychiatry, Initial Certification, American Board of Psychiatry and
Neurology
Certificate 3313

EDUCATION

1984 – 1988	Forest High School – Ocala, Florida	
1988 – 1992	University of South Florida – Tampa, Florida:	B.S., Biology
1992 – 1996	University of South Florida College of Medicine – Tampa, Florida:	M.D.
2003 – 2008	Duke University – Durham, North Carolina: Master of Health Science in Clinical Research	M.H.Sc.

POSTGRADUATE TRAINING

1996-2000 Resident in Psychiatry
Duke University Medical Center Department of Psychiatry
Durham, North Carolina

1999-2000 Executive Chief Resident in Psychiatry
Duke University Medical Center Department of Psychiatry

2000-2001 Advanced Elective in ECT, Duke University Medical Center

2000-2001 Fellow in Geriatric Psychiatry
Duke University Medical Center Department of Psychiatry

APPOINTMENTS AND POSITIONS

1998 – 2000 John Umstead Hospital, Butner, North Carolina
Evening Admissions Officer

2001 – 2003 Clinical Associate in Psychiatry, Duke University Medical Center

2001 – 2012 Departmental Representative, Institutional Review Board, Duke University Medical Center

2001 – 2003 Inpatient Psychiatry Attending, Duke University Medical Center

2003 – 2008 Assistant Professor of Psychiatry, Duke University Medical Center
(Initial Appointment: September 1, 2003)

2003 – 2005 Outpatient Psychiatry Attending, Duke Memory Disorders Clinic

2005 – 2012 Outpatient Psychiatry Attending, Duke Faculty Practice

2005 – 2012 Chair, Institutional Review Board, Duke University Medical Center
(Vice-Chair, 2005-2010)

2008 – 2012 Associate Professor of Psychiatry, Duke University Medical Center
(Initial Appointment: March 1, 2008)

2011 – 2012 Senior Fellow of the Center for the Study of Aging and Human Development

2012 – 2016 Associate Professor of Psychiatry, with Tenure, Vanderbilt University Medical Center
(Initial Appointment: August 1, 2012)

2012 – 2017 Director, Mood Disorders Program, Department of Psychiatry, Vanderbilt University

2012 – current Investigator and Associate Director, Center for Cognitive Medicine, Vanderbilt University Medical Center

2012 – current Affiliated Faculty, Center for Biomedical Ethics and Society, Vanderbilt University

2013 – current Member, Vanderbilt Kennedy Center for Research on Human Development

2014 – current Physician Scientist, The Geriatric Research, Education, and Clinical Center (GRECC), Department of Veterans Affairs Medical Center, Tennessee Valley Healthcare System

2015 – current Senior Member, Vanderbilt Brain Institute, Vanderbilt University

2017 – current Professor of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center

2017 – current Director, Division of Geriatric Psychiatry, Department of Psychiatry and Behavioral

Sciences, Vanderbilt University Medical Center

2017 – current James G. Blakemore Endowed Chair in Psychiatry, Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center

2019 – current Program Director, Fellowship in Geriatric Psychiatry, Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center

PROFESSIONAL AWARDS AND RECOGNITIONS

1988 – 1992 National Merit Scholar

1988 – 1992 Interdepartmental Undergraduate Honors Program, University of South Florida

1995 University of South Florida Award for Clinical Excellence in the Psychiatry Clerkship

1996 University of South Florida Outstanding Student in Psychiatry Award

2001 American Association for Geriatric Psychiatry Stepping Stones Participant

2001 Summer Research Institute in Geriatric Psychiatry Participant; San Diego, California

2002 International College of Geriatric Psychoneuropharmacology Travel Fellowship

2003 Future Leaders in Psychiatry Participant, Fifth Annual Meeting; Palm Beach, Florida

2003 The First Congress of the International Society for Vascular Behavioural and Cognitive Disorders, Travel Scholarship; Göteborg, Sweden

2005-2006 Advanced Research Institute in Geriatric Mental Health; St. Louis, Missouri

2010 The Chancellor's Clinical Leadership in Academic Medicine Program (CChAMP); Duke University Health System, Durham, North Carolina

2013 Society of Biological Psychiatry 2013 Meeting Top Clinical / Translational Poster Finalist

2015 Fellow, American Psychiatric Association

2015 – 2017 Research Mentorship Award, Vanderbilt University Department of Psychiatry (Inclusive)

2016 Elected to Member status, American College of Neuropsychopharmacology

2016 Featured Scientist, Vanderbilt Brain Institute, Vanderbilt University

2017 Appointed to James G. Blakemore Endowed Chair in Psychiatry, Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center

2019 Academic Leadership Program Participant, Vanderbilt University Medical Center

PUBLICATIONS

* Indicates Corresponding Author

Refereed Articles

1. Jones NC, Germain A, Riley K, Bautista C, **Taylor W**, Wells AF. *Borrelia burgdorferi* decreases hyaluronan synthesis but increases IL-6 production by fibroblasts. *Microbial Pathogenesis*. 16(4): 261-7, 1994.
2. Catalano G, Catalano MC, **Taylor W**. Acute risperidone overdose. *Clinical Neuropharmacology*. 20(1): 82-85, 1997.
3. Catalano MC, Kanfer SN, Catalano G, Toner LC, Stock SL, **Taylor WD**. The effect of sertraline on routine blood chemistry values. *Clinical Neuropharmacology*. 23(5): 267-270, 2000.
4. **Taylor WD**,* Payne ME, Krishnan KRR, Wagner HR, Provenzale JM, Steffens DC, MacFall JR. Evidence of white matter tract disruption in MRI hyperintensities. *Biological Psychiatry*. 50(3): 179-183, 2001. *Preliminary data presented as a poster at the 2001 Annual Meeting of the American Association for Geriatric Psychiatry, San Francisco, Florida.*
5. **Taylor WD**,* Wagner HR, Steffens DC. Greater Depression Severity Associated with Less Improvement in Depression-Associated Cognitive Deficits in Older Subjects. *American Journal of Geriatric Psychiatry*. 10(5): 632-635, 2002. *Preliminary data presented as a poster at the 2000 Annual Meeting of the American Association for Geriatric Psychiatry, Miami, Florida.*
6. **Taylor WD*** and Krishnan KRR. Management of late-life depression: focus on comorbid conditions. *Psychopharmacology Bulletin*. 36(Suppl 3): 36-54, 2002.
7. **Taylor WD**,* Steffens DC, McQuoid DR, Payne ME, Lee S-H, Lai T-J, Krishnan, KRR. Smaller orbital frontal cortex volumes associated with functional disability in depressed elders. *Biological Psychiatry*. 53: 144-149, 2003. *Preliminary data presented as a poster at the 2002 Annual Meeting of the International College of Geriatric Psychoneuropharmacology, Barcelona, Spain.*
8. **Taylor WD**,* MacFall JR, Steffens DC, Payne ME, Provenzale JM, Krishnan KRR. Localization of age-associated white matter hyperintensities in late-life depression. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. 27: 539-544, 2003. *Preliminary data presented as a poster at the 2002 Annual Meeting of the American Association for Geriatric Psychiatry, Orlando, Florida.*
9. Steffens DC, **Taylor WD**, Krishnan KRR. Progression of subcortical ischemic disease from vascular depression to vascular dementia. *American Journal of Psychiatry*. 160: 1751-1756, 2003.
10. **Taylor WD**,* MacFall JR, Provenzale JM, Payne ME, McQuoid DR, Steffens DC, Krishnan KRR. Serial MR imaging of volumes of hyperintense white matter lesions in elderly subjects: Correlation with vascular risk factors. *American Journal of Roentgenology*. 181: 571-576, 2003.

11. **Taylor WD,*** Steffens DC, MacFall JR, McQuoid DR, Payne ME, Provenzale JM, Krishnan KRR. White matter hyperintensity progression and late-life depression outcomes. *Archives of General Psychiatry*. 60: 1090-1096, 2003. *Preliminary data presented at the 2003 Annual Meeting of the American Association for Geriatric Psychiatry, Honolulu, Hawaii.*
12. Krishnan KRR, **Taylor WD**, McQuoid DR, MacFall JR, Payne ME, Provenzale JM, Steffens DC. Clinical characteristics of MRI-defined subcortical ischemic depression. *Biological Psychiatry*. 55: 390-397, 2004.
13. **Taylor WD,*** MacFall JR, Payne ME, McQuoid DR, Provenzale JM, Steffens DC, Krishnan KRR. Late-life depression and microstructural abnormalities in dorsolateral prefrontal cortex white matter. *American Journal of Psychiatry*. 161:1293-1296, 2004.
14. **Taylor WD,*** McQuoid DR, Steffens DC, Krishnan KRR. Is there a definition of remission in late-life depression that predicts later relapse? *Neuropsychopharmacology*. 29: 2272-2277, 2004.
15. **Taylor WD,*** Hsu E, Krishnan KRR, MacFall JR. Diffusion tensor imaging: background, potential, and utility in psychiatric research. *Biological Psychiatry*. 55: 201-207, 2004.
16. **Taylor WD,*** McQuoid DR, Krishnan KRR. Medical comorbidity in late-life depression. *International Journal of Geriatric Psychiatry*. 19: 935-943, 2004.
17. **Taylor WD*** and Doraiswamy PM. A systematic review of antidepressant placebo-controlled trials for geriatric depression: limitations of current data and directions for the future. *Neuropsychopharmacology*. 29: 2285-2299, 2004. *Preliminary data presented at the 2004 Annual Meeting of the American Association for Geriatric Psychiatry, Baltimore, MD.*
18. **Taylor WD*** and Krishnan KRR. Subcortical Ischemic Depression: A Shift in Psychiatric Diagnostics. *Depression: Mind and Body* 1: 74-80, 2004.
19. **Taylor WD,*** Steffens DC, Payne ME, MacFall JR, Marchuk DA, Svenson IK, Krishnan KRR. Influence of serotonin transporter promoter region polymorphisms on hippocampal volumes in late-life depression. *Archives of General Psychiatry*. 62: 537-544, 2005.
20. **Taylor WD,*** MacFall JR, Payne ME, McQuoid DR, Steffens DC, Provenzale JM, Krishnan KRR. Greater MRI lesion volumes in elderly depressed subjects than in control subjects. *Psychiatry Research: Neuroimaging*. 139: 1-7, 2005.
21. Beyer JL, **Taylor WD**, MacFall JR, Kuchibhatla M, Payne ME, Provenzale JM, Cassidy F, Krishnan KRR. Cortical white matter microstructure abnormalities in bipolar disorder. *Neuropsychopharmacology*. 30: 2225-2229, 2005.
22. MacFall JR, **Taylor WD**, Rex DE, Pieper S, Payne ME, McQuoid DR, Steffens DC, Kikinis R, Toga AW, Krishnan KRR. Lobar distribution of lesion volumes in late-life depression: the Biomedical Information Research Network (BIRN). *Neuropsychopharmacology*. 31: 1500-1507, 2006.
23. Hannestad J, **Taylor WD,*** McQuoid DR, Payne ME, Krishnan KR, Steffens DC, MacFall JR. White matter lesion volumes and caudate volumes in late-life depression. *International*

Journal of Geriatric Psychiatry, 21: 1193-1198, 2006.

24. **Taylor WD,*** Steffens DC, Krishnan KR: Psychiatric disease in the twenty-first century: subcortical ischemic depression. *Biological Psychiatry* 60: 1299-1303, 2006.
25. Bae JN, MacFall JR, Krishnan KR, Payne ME, Steffens DC, **Taylor WD.*** Dorsolateral prefrontal cortex and anterior cingulate cortex white matter alterations in late-life depression. *Biological Psychiatry*, 60: 1356-1363, 2006.
26. Vaishnavi S and **Taylor WD.** Neuroimaging in Late-Life Depression. *International Review of Psychiatry*. 18: 443-451, 2006.
27. **Taylor WD,*** MacFall JR, Payne ME, McQuoid DR, Steffens DC, Provenzale JM, Krishnan KR. Orbitofrontal cortex volumes in late life depression: Influence of hyperintense lesions and genetic polymorphisms. *Psychological Medicine*. 37: 1763-1773, 2007.
28. **Taylor WD,*** Bae JN, MacFall JR, Payne ME, Provenzale JM, Steffens DC, Krishnan KR. Widespread effects of hyperintense lesions on cerebral white matter structure. *American Journal of Roentgenology*, 188: 1695-1704, 2007.
29. Smith GS, Gunning-Dixon FM, Lotrich FE, **Taylor WD**, Evans JD. Translational research in late life mood disorders: Implications for future intervention and prevention research. *Neuropsychopharmacology*. 32: 1857-1875, 2007.
30. **Taylor, WD,*** Züchner S, Payne ME, Messer DF, Doty TJ, MacFall JR, Beyer JL, Krishnan KR. The COMT Val158Met polymorphism and temporal lobe morphometry in healthy adults. *Psychiatry Research: Neuroimaging*. 155:173-177, 2007. PMID: PMC1950247
31. **Taylor WD,*** Züchner S, McQuoid DR, Steffens DC, Speer M, Krishnan KR. Allelic differences in the brain-derived neurotrophic factor Val66Met polymorphism in late-life depression. *American Journal of Geriatric Psychiatry*. 15: 850-857, 2007. *Preliminary data presented at the 2007 Annual Meeting of the American Association for Geriatric Psychiatry, New Orleans, Louisiana.*
32. **Taylor WD,*** MacFall JR, Gerig G, Krishnan KR. Structural integrity of the uncinate fasciculus in geriatric depression: Relationship with age of onset. *Neuropsychiatric Disease and Treatment*. 3: 669-674, 2007. PMID: PMC2656303
33. Steffens DC, **Taylor WD**, McQuoid DR, Krishnan KR. Short/long heterozygotes at 5HTTLPR and white matter lesions in geriatric depression. *International Journal of Geriatric Psychiatry*. 23: 244-248, 2008.
34. **Taylor WD,*** Züchner S, McQuoid DR, Payne ME, MacFall JR, Steffens DC, Speer M, Krishnan KR. The brain-derived neurotrophic factor Val66Met polymorphism and cerebral white matter hyperintensities in late-life depression. *American Journal of Geriatric Psychiatry*. 16:263-271, 2008.
35. Zhao Z, **Taylor WD**, Styner M, Steffens DC, Krishnan KR, MacFall JR. Hippocampus shape analysis and late-life depression. *PLoS One*. 3:e1837, 2008. Doi:10.1371/journal.pone.0001837. PMID: PMC2265542

36. **Taylor WD,*** Züchner S, McQuoid DR, Steffens DC, Blazer DG, Krishnan KR. Social support in older individuals: The role of the BDNF Val66Met polymorphism. *American Journal of Medical Genetics. Part B, Neuropsychiatric Genetics*. 147B: 1205-1212, 2008. PMID: PMC2575229 *Preliminary data presented at the 2008 Annual Meeting of the American Association for Geriatric Psychiatry, Orlando, Florida.*
37. **Taylor WD,*** Kuchibhatla M, Payne ME, MacFall JR, Sheline YI, Krishnan KR, Doraiswamy PM. Frontal white matter anisotropy and antidepressant remission in late-life depression. *PLoS One*. 3(9): e3267, 2008. doi:10.1371/journal.pone.0003267. PMID: PMC2533397 *Preliminary data presented at the 2008 Annual Meeting of the American Association for Geriatric Psychiatry, Orlando, Florida.*
38. Jones LD, Payne ME, Messer DF, Beyer JL, MacFall JR, Krishnan KRR, **Taylor WD.*** Temporal lobe volume in bipolar disorder: Relationship with diagnosis and antipsychotic medication use. *Journal of Affective Disorders*. 114: 50-57, 2009. PMID: PMC2643314
39. Qui A, **Taylor WD**, Zhao Z, MacFall JR, Miller MI, Key CR, Payne ME, Steffens DC, Krishnan KRR. APOE related hippocampal shape alteration in geriatric depression. *Neuroimage*. 44:620-626, 2009. PMID: PMC2648826
40. Venkatraman TN, Krishnan KR, Steffens DC, Song AW, **Taylor WD.*** Biochemical abnormalities of the medial temporal lobe and medial prefrontal cortex in late-life depression. *Psychiatry Research: Neuroimaging*. 172: 49-54, 2009. PMID: PMC2659332
41. Pan CC, McQuoid DR, **Taylor WD**, Payne ME, Ashley-Koch A, Steffens DC. Association analysis of the COMT/MTHFR genes and geriatric depression: A MRI study of putamen. *International Journal of Geriatric Psychiatry*. 24:847-855, 2009. PMID: PMC2711996
42. **Taylor WD,*** Steffens DC, Ashley-Koch A, Payne ME, MacFall JR, Potocky C, Krishnan KR. Angiotensin receptor gene polymorphisms and 2-year change in cerebral hyperintense lesion volume in men. *Molecular Psychiatry*. 15:816-822, 2010. Epub: Mar 10, 2009. PMID: PMC2891956
43. Potter GG, **Taylor WD**, McQuoid DR, Steffens DC, Welsh-Bohmer KA, Krishnan KR. The COMT Val158Met polymorphism and cognition in older adults. *International Journal of Geriatric Psychiatry*. 24: 1127-1133, 2009.
44. Hong ED, **Taylor WD,*** McQuoid DR, Potter GG, Payne ME, Ashley-Koch A, Steffens DC. Influence of the MTHFR C677T polymorphism on MRI hyperintensity volume and cognition in geriatric depression. *American Journal of Geriatric Psychiatry*. 17:847-855, 2009. PMID: PMC2805265
45. Sheline YI, Pieper CF, Barch DM, Welsh-Bohmer K, McKinstry RC, MacFall JR, D'Angelo G, Garcia K, Gersing K, Wilkins C, **Taylor W**, Steffens DC, Krishnan RR, Doraiswamy PM. Support for the vascular depression hypothesis in late life depression: Results of a two site prospective antidepressant treatment trial. *Archives of General Psychiatry*. 67: 277-285, 2010. PMID: PMC2838210
46. Benjamin S, McQuoid DR, Potter GG, Payne ME, MacFall JR, Steffens DC, **Taylor WD**. The BDNF Val66Met polymorphism, hippocampal volume and cognitive function in geriatric depression. *American Journal of Geriatric Psychiatry*. 18: 323-331, 2010. PMID:

PMc2928477

47. **Taylor WD**,* McQuoid DR, Ashley-Koch A, MacFall JR, Bridgers J, Krishnan KR, Steffens DC. The BDNF Val66Met genotype and six-month remission rates in late-life depression. *The Pharmacogenomics Journal*. 11: 146-154, 2011. PMID: PMC2962689
48. Benjamin S, **Taylor WD**. Nature and nurture: Genetic influences and gene-environment interactions in depression. *Current Psychiatry Reviews*. 6: 82-90, 2010.
49. **Taylor WD**,* MacFall JR, Boyd B, Payne ME, Sheline YI, Krishnan KR, Doraiswamy PM. One-year change in anterior cingulate cortex white matter microstructure: Relationship with late-life depression outcomes. *American Journal of Geriatric Psychiatry*. 19: 43-52, 2011. PMID: PMC3000437
50. Isamah N, Faison W, Payne ME, MacFall JR, Steffens DC, Beyer JL, Krishnan KR, **Taylor WD**.* Variability in frontotemporal brain structure: The importance of recruitment of African Americans in neuroscience research. *PLoS One*. 5(10):e13642, 2010. PMID: PMC2964318
51. Chang CC, Yu SC, McQuoid DR, Messer DF, **Taylor WD**, Singh K, Boyd BB, Krishnan KR, MacFall JR, Steffens DC, Payne ME. Reduction of dorsolateral prefrontal cortex gray matter in late-life depression. *Psychiatry Research: Neuroimaging*. 193: 1-6, 2011. PMID: PMC3105213
52. Steffens DC, **Taylor WD**, Denny KL, Bergman S, Wang L. Structural integrity of the uncinate fasciculus and resting state functional connectivity of the ventral prefrontal cortex in late life depression. *PLoS ONE*. 6(7):e22697, 2011. PMID: PMC3142185
53. Burke J, McQuoid DR, Payne ME, Steffens DC, Krishnan RR, **Taylor WD**. Amygdala volume in late-life depression: relationship with age of onset. *American Journal of Geriatric Psychiatry*. 19: 771-776, 2011. PMID: PMC3164525
54. **Taylor WD**,* Zhao Z, Ashley-Koch A, Payne ME, Steffens DC, Krishnan RR, Hauser E, MacFall JR. Fiber tract-specific white matter lesion severity: Findings in late-life depression and by *AGTR1* A1166C genotype. *Human Brain Mapping*. 34:295-303, 2013. Epub Oct 22, 2011 PMID: PMC3772522
55. Zannas AS, McQuoid DR, Steffens DC, Chrousos GP, **Taylor WD**. Stressful life events, perceived stress, and 12-month course of geriatric depression: direct effects and moderation by the *5-HTTLPR* and *COMT* Val158Met polymorphisms. *Stress*. 15: 425-434, 2012. Epub Jan 4, 2012. PMID: PMC3319482
56. Wang L, Ashley-Koch A, Steffens DC, Krishnan RR, **Taylor WD**. Impact of BDNF Val66Met and *5-HTTLPR* polymorphism variants on neural substrates related to sadness and executive function. *Genes, Brain and Behavior*. 11: 352-359, 2012. Epub Jan 6, 2012. PMID: PMC3654542
57. Potter GG, McQuoid DR, Payne ME, **Taylor WD**, Steffens DC. Association of attentional shift and reversal learning to functional disabilities in geriatric depression. *International Journal of Geriatric Psychiatry*. 27: 1172-1179, 2012. Epub Jan 24, 2012

58. Barch DM, D'Angelo G, Pieper C, Wilkins CH, Welsh-Bohmer K, **Taylor W**, Garcia KS, Gersing K, Doraiswamy PM, Sheline YI. Cognitive improvement following treatment in late-life depression: Relationship to vascular risk and age of onset. *American Journal of Geriatric Psychiatry*. 20:682-690, 2012. Epub Mar 16, 2012. PMID: PMC3382028
59. **Taylor WD**,* Benjamin S, McQuoid DR, Payne ME, Krishnan RR, MacFall JR, Ashley-Koch A. AGTR1 gene variation: Association with depression and frontotemporal morphology. *Psychiatry Research: Neuroimaging*. 202: 104-109, 2012. PMID: PMC3398195
60. Sheline YI, DiSabato B, Hranilovich J, Morris C, D'Angelo G, Pieper C, Tommaso T, **Taylor WD**, MacFall JR, Wilkins C, Barch DM, Welsh-Bohmer KA, Steffens DC, Krishnan RR, Doraiswamy M. Treatment course with antidepressant therapy in late-life depression. *American Journal of Psychiatry*. 169: 1185-1193, 2012. Epub Oct 3, 2012.
61. Hayward RD, **Taylor WD**, Smoski MJ, Steffens DC, Payne ME. Association of NEO personality domains and facets with presence, onset, and treatment outcomes of major depression in older adults. *American Journal of Geriatric Psychiatry*. 21:88-96, 2013. Epub Mar 15, 2012. PMID: PMC3398195
62. Qiu WQ, Lai A, Mon T, Mwamburi M, **Taylor W**, Kowall N, Stern R, Zhu H, Steffens DC. Angiotensin converting enzyme inhibitors and increased risk of Alzheimer's disease in the presence of the apolipoprotein E4 allele. *American Journal of Geriatric Psychiatry*. 22: 177-185, 2014. Epub Apr 3, 2013. PMID: PMC3873374
63. **Taylor WD**,* Aizenstein HJ, Alexopoulos GS. The Vascular Depression hypothesis: Mechanisms linking vascular disease with depression. *Molecular Psychiatry*. 18: 963-974, 2013. Epub Feb 26, 2013. PMID: PMC3674224
64. Zannas AS, McQuoid DR, Payne ME, Steffens DC, MacFall JR, Ashley-Koch A, **Taylor WD**,* Negative life stress and longitudinal hippocampal volume changes in older adults with and without depression. *Journal of Psychiatric Research*. 47:829-834, 2013. PMID: PMC3622849
65. Zurkovsky L, **Taylor WD**, Newhouse P. Cognition as a therapeutic target in late-life depression: Potential for nicotinic therapeutics. *Biochemical Pharmacology*. 15: 1133-1144, 2013. PMID: PMC3856552
66. **Taylor WD**,* McQuoid DR, Payne ME, Zannas AS, MacFall JR, Steffens DC. Hippocampus atrophy and the longitudinal course of late-life depression. *American Journal of Geriatric Psychiatry*. 22: 1504-1512, 2014. Epub Nov 22, 2013. PMID: PMC4031313
67. **Taylor WD**,* Kudra K, Zhao Z, Steffens DC, MacFall JR. Cingulum bundle white matter lesions predict poor antidepressant response in late-life depression. *Journal of Affective Disorders*. 162: 8-11, 2014. PMID: PMC4030539
68. Zannas AS, McQuoid DR, Payne ME, MacFall JR, Ashley-Koch A, Steffens DC, **Taylor WD**. Association of gene variants of the renin-angiotensin system with accelerated hippocampal volume loss and cognitive decline in old age. *American Journal of Psychiatry*. 171: 1214-1221, 2014. PMID: PMC4329281
 - Publication received media attention: Discussed in *Psychiatric News*. 49 (18): 26, 2014.

- Publication received media attention: VA Research Currents, October 29, 2014
 - Received 2014 European Psychiatric Association research prize to early career psychiatrists (awarded to Dr. Anthony Zannas), best in category “Biological correlates and treatments of mental disorders.”
69. Garbett, KA, Vereczkei BS, Kalman S, **Taylor WD**, Faludi G, Korade Z, Shelton RC, Mirnics K. Coordinated mRNA/miRNA changes in fibroblasts of patients with major depression. *Biological Psychiatry*. 77: 256-265, 2015. Epub June 2, 2014. PMID: PMC4254393
70. **Taylor WD**.* Clinical practice: Depression in the elderly. *New England Journal of Medicine*. 371:1228-1236, 2014.
71. Horst S, Chao A, Rosen M, Nohl A, Duley C, Wagnon JH, Beaulieu DB, **Taylor W**, Gaines L, Schwartz DA. Treatment with immunosuppressive therapy may improve depressive symptoms in patients with inflammatory bowel disease. *Digestive Diseases and Sciences*. 60: 465-470, 2014.
72. Riddle M, McQuoid DR, Potter GG, Steffens DC, **Taylor WD**.* Disability but not social support predicts cognitive deterioration in late-life depression. *International Psychogeriatrics*. 27: 707-714, 2015. Epub Dec 5, 2014. PMID: PMC4385394
- Selected as *International Psychogeriatrics* Paper of the Month, May 2015
73. Park JH, Lee SB, Lee JJ, Yoon JC, Han JW, Kim TH, Jeong HG, Newhouse PA, **Taylor WD**, Kim JH, Woo JI, Kim KW. Epidemiology of MRI-defined vascular depression: A longitudinal, community-based study in Korean elders. *Journal of Affective Disorders*. 180: 200-206, 2015.
74. **Taylor WD**.* Boyd B, McQuoid DR, Kudra K, Saleh A, MacFall JR. Widespread white matter but focal gray matter alterations in depressed individuals with thoughts of death. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. 62: 22-28, 2015. PMID: PMC4458419
75. **Taylor WD**.* Should antidepressant medications be used in the elderly? *Expert Review of Neurotherapeutics*. 15: 961-963, 2015. PMID: PMC4552589
76. Weinstein JJ, Rogers BP, **Taylor WD**, Boyd BD, Cowan RL, Shelton KM, Salomon RM. Effects of serotonin modulation on raphe functional connectivity in depression. *Psychiatric Research Neuroimaging*. 234: 164-171, 2015. PMID: PMC4631618
77. **Taylor WD**.* Boyd B, Turner R, McQuoid DR, Ashley-Koch A, MacFall JR, Saleh A, Potter GG. APOE ϵ 4 associated with preserved executive function performance and maintenance of temporal and cingulate brain volumes in younger adults. *Brain Imaging and Behavior*. 11: 194-204, 2017. Epub Feb 3, 2016. PMID: PMC4972704
- Publication received media attention: Discussed in *VUMC Reporter*.
78. Saleh A, Potter GG, McQuoid DR, Boyd B, Turner R, MacFall JR, **Taylor WD**.* Effects of early life stress on depression, cognitive performance, and brain morphology. *Psychological Medicine*. 47: 171-181, 2017. PMID: PMC5195852
79. Becker JE, Maley C, Schultz E, **Taylor WD**. Transcranial magnetic stimulation for

- depression and other neuropsychiatric illnesses. *Psychiatric Annals*. 46: 637-641, 2016.
80. Aizenstein HJ, Baskys A, Boldrini M, Butters MA, Diniz BS, Jaiswal MK, Jellinger KA, Kruglov LS, Meshandin IA, Mijajlovic MD, Niklewski G, Pospos S, Raju K, Richter K, Steffens DC, **Taylor WD**, Tene O. Vascular depression consensus report – a critical update. *BMC Medicine*. 14: 161, 2016.
 81. Rutherford BR, **Taylor WD**, Brown PJ, Sneed JR, Roose SP. Biological aging and the future of geriatric psychiatry. *Journals of Gerontology: Medical Sciences*. 72: 343-352, 2017.
 82. Albert K, Gau V, **Taylor WD**, Newhouse P. Attentional bias in remitted depression is associated with enhanced amygdala activity and functional connectivity. *Journal of Affective Disorders*. 210: 49-56, 2017. PMID: PMC5292067
 83. Johnson AD, McQuoid DR, Steffens DC, Payne ME, Beyer JL, **Taylor WD**.* Effects of stressful life events on cerebral white matter hyperintensity progression. *International Journal of Geriatric Psychiatry*. 32: e10-e17, 2017. PMID: PMC5489375
 84. Abi Zeid Daou M, Boyd BD, Donahue MJ, Albert K, **Taylor WD**.* Frontocingulate cerebral blood flow and cerebrovascular reactivity as predictors of antidepressant response in late-life depression. *Journal of Affective Disorders*. 215: 103-110, 2017. PMID: PMC5472992
 85. Damon SM, Boyd BD, Plassard AJ, Taylor W, Landman BA. DAX - The Next Generation: Towards One Million Processes on Commodity Hardware. *Proceedings of SPIE--the International Society for Optical Engineering*. 2017, pii: 101380C, 2017. PMID: PMC5596878
 86. Park JH, Jeon BH, Lee JS, Newhouse PA, **Taylor WD**, Boyd BD, Kim KW, Kim MD. CADASIL as a useful medical model and genetic form of vascular depression. *American Journal of Geriatric Psychiatry*. 25: 719-727, 2017.
 87. Riddle M, Potter GG, McQuoid DR, Steffens DC, Beyer JL, **Taylor WD**.* Longitudinal cognitive outcomes of clinical phenotypes of late-life depression. *American Journal of Geriatric Psychiatry*. 25: 1123-1134, 2017. PMID: PMC5600662
 - Publication received media attention: Clinical Psychiatry News Clinical Edge Top 5 Must Reads in Geriatrics, week ending April 16, 2017
 88. Albert K, Hiscox J, Boyd BD, Dumas J, **Taylor W**, Newhouse PN. Estrogen enhances hippocampal gray matter density in young and older postmenopausal women: A prospective dose response study. *Neurobiology of Aging*. 56: 1-6, 2017. PMID: PMC5292067
 89. Gandelman JA, Newhouse PN, **Taylor WD**.* Nicotine and Networks: Potential for Enhancement of Mood and Cognition in Late-Life Depression. *Neuroscience and Biobehavioral Reviews*. 84: 289-298, 2018. PMC: PMC5729074
 90. Saleh A, Fuchs C, **Taylor WD**, Niarhos F. Evaluating the consistency of scales used in adult attention deficit hyperactivity disorder assessment of college-aged adults. *Journal of American College Health*. 15: 1-8, 2017. PMC: PMC6086381
 91. Fortin JP, Cullen N, Sheline YI, **Taylor WD**, Aselcioglu I, Adams P, Cooper C, Fava M,

- McGrath PJ, McInnis M, Parsey RV, Phillips ML, Trivedi MH, Weissman MM, Shinohara RT. Harmonization of cortical thickness measurements across scanners and sites. *NeuroImage*. 167: 104-120, 2017. PMID: PMC5845848
92. Abi Zeid Daou M, Boyd BD, Donahue MJ, Albert K, **Taylor WD**.* Anterior-posterior gradient differences in lobar and cingulate cortex cerebral blood flow in late-life depression. *Journal of Psychiatric Research*. 97: 1-7, 2018. PMID: PMC5742550.
93. Albert K, Potter GG, McQuoid DR, **Taylor WD**. Cognitive performance in antidepressant-free major depressive disorder. *Depression and Anxiety*. 35: 694-699, 2018. PMID: PMC6105441
94. Deng Y, McQuoid DR, Potter GG, Steffens DC, Albert K, Riddle M, Beyer JL, **Taylor WD**.* Predictors of Recurrence in Remitted Late-Life Depression. *Depression and Anxiety*. 35: 658-667, 2018. PMID: PMC6035781
95. Gandelman JA, Kang H, Antal A, Albert K, Boyd BD, Conley AC, Newhouse P, **Taylor WD**.* Transdermal nicotine for the treatment of mood and cognitive symptoms in non-smokers with late-life depression. *Journal of Clinical Psychiatry*. 79: 18m12137, 2018. PMID: PMC6129985
- Publication received media attention: Medscape Psychiatry News, March 21, 2018.
 - Publication received media attention: Discussed in *VUMC Reporter*. September 2018.
96. Park JH, Lee SB, Lee JJ, Yoon JC, Han JW, Kim TH, Jeong HG, Newhouse P, **Taylor W**, Kim JH, Woo JI. Depression plays a moderating role in the cognitive decline associated with the changes of brain white matter hyperintensities. *Journal of Clinical Psychiatry*. 79: 17m11763, 2018.
97. **Taylor WD**,* Deng Y, Boyd BD, Donahue MJ, Albert K, McHugo M, Gandelman JA, Landman BA. Medial temporal lobe volumes in late-life depression: Effects of age and vascular risk factors. *Brain Imaging and Behavior*. 14: 19-29, 2020. Epub September 24, 2018. PMID: PMC8431585
98. **Taylor WD**, Schultz SK, Panaite V, Steffens DC. Perspectives on the Management of Vascular Depression. *American Journal of Psychiatry*. 175: 1169-1175, 2018. PMID: PMC6287263
99. Gandelman JA, Albert K, Boyd BD, Park JW, Riddle M, Woodward ND, Kang H, Landman BA, **Taylor WD**.* Intrinsic functional networks influence clinical symptoms and cognition in late life depression. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. 4: 160-170, 2019. PMID: PMC6368882.
100. Albert K, Potter GG, Boyd BD, **Taylor WD**. Brain network functional connectivity and cognitive performance in major depressive disorder. *Journal of Psychiatric Research*. 110: 51-56, 2019. PMID: PMC6360105
101. Vega JN, Albert K, Mayer IA, **Taylor WD**, Newhouse PA. Nicotinic treatment of post-chemotherapy subjective cognitive impairment: A pilot study. *Journal of Cancer Survivorship*. 13: 673-686, 2019. PMID: PMC6993088

102. **Taylor WD**,* Reynolds CF III. Psychiatry's obligation to treat and mitigate the rising burden of age-related mental disorders. *JAMA Psychiatry*. 77: 5-6, 2020.
- Publication received media attention: APA Psychiatric News Alert, August 28, 2019.
 - Publication received media attention: VUMC Discover, October 10, 2019.
103. Andreescu C, Ajilore O, Aizenstein HJ, Albert K, Butters MA, Landman BA, Karim HT, Krafty R, **Taylor WD**.* Disruption of neural homeostasis as a model of relapse and recurrence in late-life depression. *American Journal of Geriatric Psychiatry*. 27: 1316-1330, 2019. PMID: PMC6842700
104. Albert K, Ledet T, **Taylor WD**, Newhouse P. Estradiol administration differentially affects the response to experimental psychosocial stress in post-menopausal women with or without a history of major depression. *Journal of Affective Disorders*. 261: 204-210, 2020. PMID: PMC6897370
105. Chaganti S, Welty VF, **Taylor W**, Albert K, Failla M, Cascio C, Smith S, Mawn L, Bagnato F, Lasko T, Blume JD, Landman BA. Discovering novel disease comorbidities using electronic medical records. *PLOS One*. 14(11):e0225495, 2019. PMID: PMC6880990
106. Shokouhi S, **Taylor WD**, Albert K, Kang H, Newhouse PA, for the Alzheimer's Disease Neuroimaging Initiative. In vivo network models identify sex differences in the spread of tau pathology across the brain. *Alzheimer's & Dementia: Diagnosis, Assessment, and Disease Monitoring*. 12:e12016, 2020.
- Research received media attention: Discussed in *VUMC Reporter*. July 2019.
107. Vega JN, **Taylor WD**, Gandelman JA, Boyd BD, Newhouse PN, Shokouhi S, Albert KM. Persistent Intrinsic Functional Network Connectivity Alterations in Middle-Aged and Older Women with Remitted Depression. In press, *Frontiers Psychiatry*.
108. Wang R, Albert KM, **Taylor WD**, Boyd BD, Blaber J, Lyu I, Landman BA, Vega J, Shokouhi S, Kang H. A Bayesian approach to examining default mode network functional connectivity and cognitive performance in major depressive disorder. In press, *Psychiatry Research Neuroimaging*.
109. **Taylor WD**,* Blackford JU. Mental health treatment for frontline clinicians during and after the COVID-19 pandemic: A plea to the medical community. *Annals of Internal Medicine*. Epub May 26, 2020.

Refereed Articles, Contribution included in Author Group

110. Peerbooms OLJ, van Os J, Drukker M, Kenis G, Hoogveld L, **MTHFR in Psychiatry Group**, deHert M, Delespaul P, van Winkel R, Rutten BPF. Meta-analysis of MTHFR gene variants in schizophrenia, bipolar disorder and unipolar depressive disorder: evidence for common genetic vulnerability? *Brain, Behavior, and Immunity*. 25: 1530-1543, 2011.

Manuscripts Currently Under Peer Review

111. Zhou M, Boyd BD, **Taylor WD**, Kang H. Double-wavelet transform for multi-subject resting-state functional magnetic resonance imaging data. Under review.

112. Bermudez C, Kerley CI, Ramdass K, Farber-Eger EH, Lin Y-C, Kang H, **Taylor WD**, Wells QS, Landman BA. Neuroimaging signature of heart failure with preserved ejection fraction in the setting of dementia. Under review.
113. Christman S, Bermudez C, Hao L, Landman BA, Boyd B, Albert K, Woodward N, Shokouhi S, Vega J, Andrews P, **Taylor WD***. Accelerated brain aging predicts impaired cognitive performance and greater disability in geriatric but not midlife adult depression. Under review.
114. Lin Y.-C., Welty VF, Blume JD, Albert KM, Boyd BD, **Taylor WD**, Kang H. Evidence-based second-generation p-values on functional magnetic resonance imaging data. Under review.
115. Hansen C, Yang Q, Lyu I, Rheault F, Kerley C, Qamar B, Fadnavis S, Williams O, Shafer AT, Resnick SM, Zald DH, Morgan V, Cutting L, **Taylor WD**, Boyd B, Garyfallidis E, Anderson AW, Descoteaux M, Landman BA, Schilling KG. Pandora: 4-D white matter bundle population-based atlases derived from state-of-the-art diffusion MRI fiber tractography. Under review.

Editorials or Commentary

116. **Taylor WD***, Doraiswamy PM, Krishnan KRR: Evidence-based treatment of psychiatric disorders with comorbid medical illnesses: the need for large simple clinical trials. *Psychopharmacology Bulletin*. 40: 5-11, 2007.
117. Krishnan KR, **Taylor WD***. Neurobiological pathways that link genes and early environment: early life stress disorder. *Molecular Psychiatry*. 14: 648-649, 2009.
118. **Taylor WD***. Predicting risk for depression and cognitive deterioration in older individuals: the important role of past and present environmental influences. *American Journal of Psychiatry*. 166: 1312-1314, 2009.
119. **Taylor WD***. Moderators of remission in late-life depression: Where do we go next? *JAMA Psychiatry*. 73: 319-320, 2016. PMID: PMC5054742
120. **Taylor WD***. Computerized cognitive remediation for geriatric depression: Dawn of a new treatment modality? *American Journal of Geriatric Psychiatry*, 24: 821-822, 2016.
121. **Taylor WD***. Lack of a role for Alzheimer's Disease pathology in late-life depression or just no relationship with amyloid? *American Journal of Psychiatry*, 174: 197-198, 2017. PMID: PMC5438229
122. Manning KJ, **Taylor WD**. Apathy and post-stroke depression: Why should we care? *American Journal of Geriatric Psychiatry*. Epub Mar 19, 2020.

Book Chapters

1. **Taylor WD**, Steffens DC, Krishnan KRR: Vascular depression: a new subtype of depressive disorder? In: Vascular Disease and Affective Disorders. Edited by Chiu E, Ames D, Katona C. 2002: 149-160.

2. **Taylor WD** and Krishnan KRR: Structural brain investigations in affective disorders. In: Brain Imaging in Affective Disorders. Edited by Soares JC. 2002: 53-78.
3. **Taylor WD** and Krishnan KRR: Affective disorders: imaging studies. In: Handbook of Medical Psychiatry. Edited by Soares JC and Gershon S. 2002: 335-346.
4. **Taylor WD** and Doraiswamy PM: Use of the laboratory in the diagnostic workup of older adults. In: The American Psychiatric Press Textbook of Geriatric Psychiatry, Third Edition. Edited by Blazer DG, Steffens DC, Busse EW. Arlington, Virginia: American Psychiatric Publishing, Inc. 2004: 179-188.
5. Christopher EJ and **Taylor WD**: Electroconvulsive Therapy. In: Current Clinical Neurology: Psychiatry for Neurologists. Edited by Friedman JH and Jeste DV. Totowa, New Jersey: Humana Press. 2005: 329-337.
6. **Taylor WD** and Van Meter SA: Affective and anxiety disorders. In: Educational Review Manual in Psychiatry. Edited by Krishnan KR. Durham, North Carolina. 2005.
7. **Taylor WD** and Doraiswamy PM: Use of the laboratory in the diagnostic workup of older adults. In: Essentials of Geriatric Psychiatry. Edited by Blazer DG, Steffens DC, Busse EW. Arlington, Virginia: American Psychiatric Publishing, Inc. 2006: 65-75.
8. **Taylor WD**: Imaging of the Brain. In: Encyclopedia of Health and Aging. Edited by Markides K.S. Sage Publications, Inc. 2007.
9. **Taylor WD**, Moore SD, Chin SS. Neuroanatomy, neurophysiology, and neuropathology of aging. In: The American Psychiatric Publishing Textbook of Geriatric Psychiatry, Fourth Edition. Edited by Blazer DG, Steffens DC. Arlington, Virginia: American Psychiatric Publishing, Inc. 2009.
10. Wagner E, Darby R, **Taylor WD**. Initial evaluation and management of frontotemporal dementia: "My wife seems different." In: Practical Strategies in Geriatric Mental Health: Cases and Approaches. Edited by Cassidy-Eagle and Dunn LB. Washington, DC: American Psychiatric Publishing, Inc. 2019: 373-388.
11. Riddle M, **Taylor WD**. Structural changes in the aging brain. In: Handbook of Mental Health and Aging, Third Edition. Edited by Hanke N, Etkin A, O'Hara R. London, United Kingdom: Academic Press. 2020: 59-69.
12. Andrews P, **Taylor WD**. Depressive Disorders. In: The American Psychiatric Publishing Textbook of Geriatric Psychiatry, Sixth Edition. Edited by Steffens DC and Zdanys K. Arlington, Virginia: American Psychiatric Publishing, Inc. In press.

Book Reviews

1. **Taylor WD**. Liaison psychiatry: planning services for specialist settings: *Journal of Psychosomatic Research*. 51:705, 2001.

INVITED LECTURES

Invited Lectures, Academic, National, and International

1. "Use of Novel Antipsychotics in Dementia," Syracuse University, Syracuse, New York. November 3, 2001.
2. "Vascular Disease and Depression: Reciprocal Relationships," NIMH Aging Consortium Conference, Bethesda, MD. July 11, 2002
3. "Late-life Depression and Alterations in Cerebral White Matter"; part of session, "From Macro to Micro: New Research in Vascular Disease and Geriatric Depression." 2003 Annual Meeting of the American Association for Geriatric Psychiatry, Honolulu, Hawaii. March 3, 2003.
4. "Genetic Influences on Neuroanatomic Correlates of Late-Life Depression,"; part of session, "Vascular Depression: New Life for an Aging Concept." 2004 Annual Meeting of the American Association for Geriatric Psychiatry, Baltimore, Maryland. February 23, 2004.
5. "Faces of Anxiety in the Elderly"; part of session, "The Hidden Faces of Anxiety." 2004 Annual Meeting of the American Psychiatric Association, New York, New York. May 2, 2004.
6. "Pharmacological Treatment of Agitation in Dementia: Evidence-Based Recommendations"; part of session, "Evidence-Based Medicine: The Next Generation, Parts 1 & 2." 2004 Annual Meeting of the American Psychiatric Association, New York, New York. May 4, 2004.
7. "Neuroimaging and the Pathophysiology of Late-Life Depression," Duke University Medical Center, Department of Psychiatry and Behavioral Sciences Grand Rounds. Durham, North Carolina. May 20, 2004.
8. "Pharmacological Treatment of Agitation in Dementia: Evidence-Based Recommendations." 2005 Annual Meeting of the Nevada Psychiatric Association, Las Vegas, Nevada. February 18, 2005.
9. "Structural Neuroimaging in Late-Life Depression: Exploring the Frontostriatal Hypothesis," Summer Research Institute in Geriatric Psychiatry 10th Anniversary Scientific Program. San Diego, California. March 2, 2005.
10. "Diffusion Tensor Imaging in Late-Life Depression: Lesion and Gene Effects"; part of session, "Vascular Depression: Back to the Basics." 2006 Annual Meeting of the American Association for Geriatric Psychiatry, San Juan, Puerto Rico. March 13, 2006.
11. "The Relationship between Genetic Polymorphisms, Subcortical Ischemic Disease, and Brain Structure in Late-Life Depression"; part of session, "Brain Imaging Neurobiological Mechanisms of Vulnerability in Major Depression." 2006 Annual Meeting of the Society of Biological Psychiatry, Toronto, Canada, May 19, 2006.
12. "An Evidence-Based Approach to the Acute Management of Mood and Anxiety Disorders in the Elderly Population"; part of session, "The Maze of Mood and Anxiety in the Elderly Patient: A Case Series." 2006 Annual Meeting of the American Psychiatric Association, Toronto, Canada. May 23, 2006.
13. "Alternate Ways of Looking at the Brain in Depression: Genes, Structure, and Spectroscopy"; part of session, "Vascular Depression: Imaging, Neurocognitive and Anatomical Findings from a Conte Center." 2007 Annual Meeting of the American Association for Geriatric Psychiatry, New Orleans, Louisiana. March 2, 2007.
14. "Changes in Brain Structure and Course of Late-Life Depression: New Paradigms"; part of session, "New Directions in Translational Research." 2008 Annual Meeting of the American Association for Geriatric Psychiatry, Orlando, Florida. March 17, 2008.
15. Session Chair and Discussant, "Genetic Influences on Late-Life Mental Health: Do Genes Determine Destiny?" 2009 Annual Meeting of the American Association for Geriatric Psychiatry, Honolulu, Hawaii. March 7, 2009.
16. "The MTHFR C677T Polymorphism and Clinical Features of Late-Life Depression"; part of

- session, “Neuropsychological, Neuroimaging, and Genetic Markers in Vascular Depression: New Evidence for a Differential Effect on Treatment Outcome.” 2009 Annual Meeting of the American Association for Geriatric Psychiatry, Honolulu, Hawaii. March 8, 2009.
17. “Genetic Influences on Risk Factors for Late-Life Depression.” UCLA, Department of Psychiatry Grand Rounds. Los Angeles, California, September 22, 2009.
 18. “Looking at the Broader Picture: Longitudinal Neuroimaging Studies in Late-Life Depression.” Part of the Depression Colloquium, “What Can Neuropsychology and Neuroimaging Teach Us about the Effects of Depression on an Aging Brain?” University of Michigan, Ann Arbor, MI, October 23, 2009.
 19. “Role of the BDNF Val66Met polymorphism in late-life depression: Relationship with risk factors and treatment outcomes.” Ninth Annual Meeting of the International College of Geriatric Psychoneuropharmacology, Baltimore, Maryland. November 6, 2009.
 20. “Vascular Risk Gene Contributions to Late-Life Depression: Association with MRI and Clinical Features”; part of session, “Neuroscience Advances in the Study of Late-Life Depression” 2009 Annual Meeting of the American Association for Geriatric Psychiatry, Savannah, Georgia. March 6, 2010.
 21. “Understanding Genetic Influences on Late-Life Depression: The Challenge of Heterogeneity”; part of session, “Genetic Research in Geriatric Psychiatry: Are We Learning More About our Patients’ Disorders and How to Treat Them?” 2010 Annual Meeting of the American Association for Geriatric Psychiatry, Savannah, Georgia. March 7, 2010.
 22. Session co-chair and presenter, “The BDNF Val66Met polymorphism in late-life depression: Relationship with clinical features and biomarkers”; part of session, “The Neurobiology of Late-Life Mood Disorders: Biomarkers and Aging”. Society of Biological Psychiatry 65th Annual Meeting, New Orleans, Louisiana. May 21, 2010.
 23. “Genetic Differences and Risk Factors for Late-Life Depression.” Duke University Department of Psychiatry Grand Rounds. Durham, North Carolina. June 10, 2010.
 24. “Genetic Influences on Late-Life Depression: Focus on the Neurotrophic Hypothesis.” Geriatric Research Education and Clinical Center (GRECC) Symposium, VA Puget Sound Health Care System. Seattle, Washington. June 30, 2010.
 25. “Genetic Influences on Late-Life Depression: Focus on the Neurotrophic Hypothesis.” University of Alabama Department of Psychiatry Grand Rounds. Birmingham, Alabama. October 12, 2010.
 26. Session chair, presenter and discussant, “Exploring the Neurotrophic Hypothesis: BDNF Genetic Variation in Late-Life Depression.” 2011 Annual Meeting of the American Association for Geriatric Psychiatry, San Antonio, Texas. March 20, 2011.
 27. “Depression as a cognitive disorder: relevance to aging.” University of Florida Institute on Aging and the McKnight Brain Institute, Gainesville, Florida. December 15, 2011.
 28. Session chair: “Novel molecular mechanisms in the pathophysiology of late-life mood and cognitive disorders.” Presentation: “The renin-angiotensin system: Influence on neural circuitry in late-life depression.” 2012 Annual Meeting of the American Association for Geriatric Psychiatry, Washington, DC. March 16, 2012.
 29. “Efficacy of antidepressants in older depressed patients with vascular depression and/or executive dysfunction”; part of session, “Moderators and Mediators of Treatment Outcome in Late Life Depression.” NCDEU 52nd Annual Meeting. Phoenix, Arizona. May 30, 2012.
 30. Session chair and presenter, “Models of Vascular Depression: From Etiology to Presentation.” Presentation: “Mechanisms linking cerebral hyperintensities and late-life depression.” 2013 Annual Meeting of the American Association for Geriatric Psychiatry, Los Angeles, California. March 15, 2013.
 31. “Vascular influences on late-life depression: Can pathophysiology guide therapeutics?” University of Michigan Department of Psychiatry Grand Rounds. Ann Arbor, Michigan. April 16, 2013.

32. "Vascular influences on late-life depression: Can pathophysiology guide therapeutics?" Vanderbilt University Department of Psychiatry Grand Rounds. Nashville, Tennessee. October 11, 2013.
33. Presenter: "Neural Circuit Changes in Late-Life Depression"; part of session, "Emotion Regulation in Late-Life Depression: Neural Models to Treatment Strategies." 2014 Annual Meeting of the American Association for Geriatric Psychiatry, Orlando, Florida. March 16, 2014.
34. Presenter: "Cognition as a Pharmacological Target in Late-Life Depression"; part of session, "Greying of the Brain: The Paradox of Cognitive Impairment Associated with Medical Care." 2015 Annual Meeting of the American Association for Geriatric Psychiatry, New Orleans, Louisiana. March 28, 2015.
35. Presenter: "Vascular Influences on Antidepressant Outcomes in Late-Life Depression: The Role of Focal Damage and Cerebral Hypoperfusion"; part of session, "Neurocircuitry Dysfunction in Late-Life Depression: The Role of Negative Valence Systems and Cognitive Control Networks." 2015 Annual Meeting of the American Association for Geriatric Psychiatry, New Orleans, Louisiana. March 30, 2015.
36. "Pathological Brain Aging and Late-Life Depression: Considerations of Stress and Allostatic Factors." University of Pittsburgh Department of Psychiatry, Pittsburgh, Pennsylvania. May 11, 2015
37. "Effects of Depression on Medical Outcomes and Cognitive Decline in Older Adults." The Phyllis Gough Huffington Lecture Series, The University of Texas Health Sciences Center at Houston, Houston, Texas. September 29, 2015.
38. "Neurobiology of Depression in Older People: Focus on Cognition and Stress." The University of Sao Paulo Institute of Psychiatry XXth Annual Geriatric Psychiatry International Symposium. Sao Paulo, Brazil. March 11, 2016.
39. "Treatment of Depression in Older People: State of the Art." The University of Sao Paulo Institute of Psychiatry XXth Annual Geriatric Psychiatry International Symposium. Sao Paulo, Brazil. March 12, 2016.
40. Session Chair and Discussant: "Ameliorating Cognitive Decline: Effects of Physical Activity on Brain Aging and Cognition." 2016 Annual Meeting of the American Association for Geriatric Psychiatry, Washington D.C. March 17, 2016.
41. "Longitudinal Effects of Stress on Brain Aging and Cognitive Outcomes of Late Life Depression"; part of session, "How Does Stress Modulate Depression? Translational Approaches Utilizing Transpecies Studies of Acute and Chronic Stress." 2016 Annual Meeting of the Society of Biological Psychiatry, Atlanta, Georgia. May 12, 2016.
42. "Effects of Pathological Brain Aging on Clinical and Cognitive Outcomes in Late-Life Depression." University of Connecticut Health Science Center Department of Psychiatry Grand Rounds. Farmington, Connecticut. September 23, 2016.
43. Session Chair and Discussant: "Windows Into the Brain: Functional Networks Informing Treatments in Late-Life Depression." 2017 Annual Meeting of the American Association for Geriatric Psychiatry, Dallas, Texas. March 25, 2017.
44. "Influence of Pathological Brain Aging on Late-Life Depression Outcomes." University of Utah Department of Psychiatry Grand Rounds. Salt Lake City, Utah. May 3, 2017.
45. Session Chair and Presenter: "Pathological Brain Aging Influences on Late-Life Depression Outcomes." Part of session: "The Influence of Age-Related Functional Network Changes on Clinical Outcomes in Late-Life Depression. 72nd Annual Meeting of the Society of Biological Psychiatry, San Diego, California. May 18, 2017.
46. "Depression in Older Adults: Diagnosis, Causes, and Treatment." Trimed Healthcare Education Summit, Tennessee Medical Association. Nashville, Tennessee. September 9, 2017.
47. "Influence of Pathological Brain Aging on Outcomes of Late-Life Depression." University of

North Carolina Department of Psychiatry Grand Rounds. Chapel Hill, North Carolina. December 13, 2017.

48. Session Discussant: "Influences of Biological Aging on the Psychopharmacological Management of Late-Life Depression." 2018 Annual Meeting of the American Association for Geriatric Psychiatry, Honolulu, Hawaii. March 17, 2018.
49. Session Chair and Presenter: "Geriatric Psychiatry Grand Rounds Case Conference: Delusional Parasitosis." Vanderbilt University Medical Center Department of Psychiatry and Behavioral Sciences Grand Rounds. Nashville, Tennessee. March 30, 2018.
50. "Influence of Pathological Brain Aging on Late-Life Depression Outcomes." University of Kansas Department of Psychiatry Grand Rounds. Wichita, Kansas. November 13, 2018.
51. "The Interrelationship between Late-Life Depression and Pathological Brain Aging." Vanderbilt University Medical Center Department of Psychiatry and Behavioral Sciences Grand Rounds. Nashville, Tennessee. November 30, 2018.
52. Session Chair and Presenter: "The effect of transdermal nicotine on mood and cognitive symptoms in late-life depression." Part of session, "Mechanisms informing interventions: New approaches to treating late-life depression." 2019 Annual Meeting of the American Association for Geriatric Psychiatry, Atlanta, Georgia. March 1, 2019.
53. "Preliminary Evidence for the Effect of Transdermal Nicotine on Mood and Cognitive Symptoms in Late-Life Depression." Department of General Internal Medicine and Public Health Grand Rounds, Vanderbilt University Medical Center, Nashville, Tennessee. March 13, 2019.
54. Session Chair and Presenter: "Geriatric Psychiatry Grand Rounds Case Conference: Psychosis and Synucleinopathies: Focus on Parkinson's Disease and Lewy Body Dementia." Vanderbilt University Medical Center Department of Psychiatry and Behavioral Sciences Grand Rounds. Nashville, Tennessee. March 22, 2019.
55. Session Chair: "Geriatric Psychiatry Grand Rounds Case Conference: Alzheimer's Disease: Presentation, Pathophysiology, and Therapeutics." Vanderbilt University Medical Center Department of Psychiatry and Behavioral Sciences Grand Rounds. Nashville, Tennessee. February 28, 2020.

Invited Scientific Meetings and Conferences

1. Participant, Difficult-to-Treat Depression Consensus Conference, San Francisco, CA: April 2002
2. Participant and Presenter, NIMH Aging Consortium Conference. Bethesda, MD: June, 2002
3. Participant and Presenter, NIMH Conference: Translational Research in Late-Life Mood Disorders. Bethesda, MD: September 2005
4. Participant, NIMH Conference: Coming to a Consensus on Common Data: A NIMH Sponsored Workshop on Data Standardization and Sharing. New Orleans, LA: March 2015.

Invited Lectures, Community and Foundation

1. "Update on Geriatric Depression," Lincoln Medical Center, Lincolnton, North Carolina. August 14, 2001.
2. "Use of Novel Antipsychotics in Dementia," SR-AHEC Medical Center, Fayetteville, North Carolina. November 15, 2001.
3. "The Role of Neuroimaging in Psychiatry," Dorothea Dix Hospital, Raleigh, North Carolina. September 19, 2002.
4. "Memory and Mood Disorders in the Elderly," Pinehurst, North Carolina. April 8, 2004.
5. "An Update on Depression," Duke University Medical Center, Department of Social Work. May 10, 2006.
6. "Depression in Late-Life: An Overview and Treatment Considerations," Pinehurst, North Carolina. August 22, 2006.

7. "Forgetfulness and Sadness: Mental Health Issues in Older Individuals," 2008 Statewide Clinical Update Conference, Pinehurst, North Carolina. February 11, 2008.
8. "Risk Factors for Depression in Later Life: Do Genes Determine Destiny?" Part of the NARSAD "Healthy Minds across America" forum. Duke University, Durham, North Carolina. September 14, 2008.
9. "Memory Impairment and Dementia: What to Expect," Teleconference aimed at North Carolina medical providers. September 24, 2008
10. "Neuropsychiatric Symptoms in Dementia: Approach to Treatment," Teleconference aimed at North Carolina medical providers. October 22, 2008.
11. "Depression in Later Life." Part of the Hope for Depression Research Foundation "Faces of Depression – From Pediatrics to Geriatrics" symposium. West Palm Beach, Florida. March 18, 2011.
12. "Effects of Depression on the Family," Fort Campbell, Kentucky. June 12, 2014.
13. "Depression in Later Life: Diagnosis, Causes, and Treatment." Part of the Behavioral Health and Aging Conference, sponsored by Mental Health America of Middle Tennessee. Nashville, Tennessee. June 8, 2016.
14. "Late-life depression: Long-term risks guiding new research." Part of the "Behind the Scenes: Discovering the Human Mind" symposium. Vanderbilt University Medical Center. Nashville, Tennessee. February 7, 2018.

MEDIA

1. "Speakers at Hope for Depression seminar link mental, physical health." *Palm Beach Daily News*, March 20, 2011.
2. "Kicking Depression: Depression in seniors sometimes dismissed as 'old age'." *The Palm Beach Post*, March 25, 2011.
3. "Vanderbilt HealthLine: Innovative Treatment for Depression." News Channel 5, Nashville, TN. February 21, 2013.
4. "Blood pressure gene linked with cognitive defects." *Psychiatric News*. 49 (18): 26, 2014. Discussion of: Zannas AS, McQuoid DR, Payne ME, MacFall JR, Ashley-Koch A, Steffens DC, **Taylor WD**. Association of gene variants of the renin-angiotensin system with accelerated hippocampal volume loss and cognitive decline in old age. *American Journal of Psychiatry*. Epub Aug 15, 2014.
5. "Gene that regulates blood pressure tied to cognitive decline." VA Research Currents, Research News from the U.S. Department of Veterans Affairs. October 29, 2014. <http://www.research.va.gov/currents/fall2014/fall2014-19.cfm>
6. "Majority of Americans with depression not getting treatment." CBS News interview, discussion of CDC report on depression prevalence. December 2, 2014.
7. "Depression study seeks to predict treatment response." Vanderbilt University Medical Center Reporter, August 28, 2015.
8. "Machines know when someone's about to attempt suicide. How should we use that information?" Quartz.com interview. September 5, 2018. <https://qz.com/1367197/machines-know-when-someones-about-to-attempt-suicide-how-should-we-use-that-information/>

PROFESSIONAL MEMBERSHIPS

- | | |
|-------------|--------------------------------------|
| 1992 – 1996 | American Medical Student Association |
| 1992 – 1996 | American Medical Association |
| 1995 – 2015 | American Psychiatric Association |

- 1996 – 2012 North Carolina Psychiatric Association
- 2000 – present American Association for Geriatric Psychiatry
- 2002 – 2004 International College of Geriatric Psychoneuropharmacology
- 2008 – present Society of Biological Psychiatry
- 2012 – 2015 Tennessee Psychiatric Association
- 2016 – present American College of Neuropsychopharmacology (Member)

PROFESSIONAL MEMBERSHIPS: COMMITTEE PARTICIPATION

American Association for Geriatric Psychiatry:

- a. Program Committee: 2005 – 2017
- b. Distinguished Scientist Award Selection Committee: 2006 – 2010
- c. Research Committee: 2014 – current

National Network of Depression Centers (NNDC)

- a. Geriatric Mood Disorders Task Group: 2011 – 2013
- b. Public Policy Task Group: 2011

Society of Biological Psychiatry

- a. Program Committee: 2016-2019

PROFESSIONAL ACTIVITIES – SERVICE

Peer Review: Journal and Editorial Positions

1. Editorial Board, Psychiatry Research: Neuroimaging. 2009-2015.
2. Ad hoc reviewer for the following peer-reviewed journals:
 - Acta Psychiatrica Scandinavica
 - Aging and Mental Health
 - American Journal of Geriatric Psychiatry
 - American Journal of Medical Genetics, Part B: Neuropsychiatric Genetics
 - American Journal of Psychiatry
 - Biological Psychiatry
 - Bipolar Disorder
 - BMC Psychiatry
 - Brain Imaging and Behavior
 - CNS Spectrums
 - Depression and Anxiety
 - Drugs and Aging
 - European Archives of Psychiatry and Clinical Neuroscience
 - General Hospital Psychiatry
 - International Journal of Geriatric Psychiatry
 - JAMA Psychiatry / Archives of General Psychiatry
 - Journal of Affective Disorders
 - Journal of Alzheimer's Disease

- Journal of the American Aging Association
- The Journal of Clinical Psychiatry
- Journal of the International Neuropsychological Society
- Journal of the Neurological Sciences
- The Journal of Neuropsychiatry and Clinical Neurosciences
- Journal of Psychiatric Research
- The Journal of Psychiatry and Neuroscience
- Journal of Psychopharmacology
- Molecular Psychiatry
- Neurobiology of Aging
- NeuroImage
- NeuroImage: Clinical
- Neurology
- Neuropsychopharmacology
- Neuroscience Letters
- PLoS One
- Primary Psychiatry
- Psychiatric Times
- Psychiatry Research: Neuroimaging
- Psychoneuroendocrinology
- Translational Psychiatry

Peer Review: Application and Grant Reviews

2003-2004	SMART-MH (Summer Training on Aging Related Topics – Mental Health Fellowship). San Diego, CA: Application Reviewer
2006	Department of Veteran Affairs, Career Development Application Reviewer
2009-current	<p>APDA study section (Adult Psychopathology and Disorders of Aging), Center for Scientific Review, National Institutes of Health:</p> <ul style="list-style-type: none"> • Ad hoc member: June 2009, February 2010, December 2013, October 2015, October 2017, October 2018 • Standing member: July 2020 - current
2010 - 2019	<p>Alzheimer's Disease Pilot Clinical Trials special emphasis panel, National Institute of Aging</p> <ul style="list-style-type: none"> • Ad hoc member: October 2010 (co-Chair), June 2011, December 2019
2012	Aging Institute of the University of Pittsburgh: Application reviewer for seed money proposals
2013-current	<p>Vanderbilt University Medical Center Grant Reviewer</p> <ul style="list-style-type: none"> • Vanderbilt Edge for Scholars Program, Ad Hoc Reviewer, 2013, 2014, 2018 • Vanderbilt Faculty Research Scholar Program, Ad Hoc Reviewer, 2020
2014	Meharry Translational Research Center (MeTRC) pilot proposals, Ad hoc reviewer: June 2014, October 2014
2015	ZRG1 Member Conflict: APDA study section (Adult Psychopathology and Disorders of Aging), Center for Scientific Review, National Institutes of Health: Ad hoc reviewer, March 2015
2016	ZMH1 Interventions / Biomarkers Special Emphasis Panel , National

- 2016 Institute of Mental Health: Ad hoc reviewer, July 2016
Committee for RFA-MH-17-045, Adult Maturational Changes and Dysfunctions in Emotion Regulation, Center for Scientific Review, National Institutes of Health: Ad hoc reviewer, October 2016
- 2017 **ZRG1 BBBP Member Conflict:** (Psychopathology, Developmental Disorders, Epigenetics, and Health), Center for Scientific Review, National Institutes of Health: March 2017
- 2017 **ZMH1 ERB-B: Fellowships and Dissertation Grants**, Center for Scientific Review, National Institutes of Health: Ad hoc reviewer, June 2017
- 2017 2018 Veni Talent Scheme Programme, The Netherlands Organisation for Scientific Research (NWO), Application Reviewer, June 2017

Departmental and Medical Center Committee Service

- 2001-2012 Institutional Review Board, Duke University Medical Center
 Vice-Chair, 2005-2010; Chair 2010-2012
- 2011-2012 Space Committee, Department of Psychiatry, Duke University Medical Center
- 2017 – current Appointment and Promotions Committee, Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center
- 2017 – current Leadership Committee, Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center
- 2017, 2019 Endowed Chair Review Committee (Ad Hoc), Vanderbilt University Medical Center

Data Safety Monitoring

1. Physician Data Safety monitor for “Effects of Bromocriptine on Dopamine-Dependent Cognitive and Reward Processes” (D. Zald, PI, Vanderbilt University), 2016 - 2019
2. Member, Data Safety Monitoring Board for “Optimizing Depression Treatment in Older Adults (OPTIMUM)” (E. Lenze, PI, Washington University), 2018 – current
3. Physician Data Safety monitor for “The Nicotinic Cholinergic System and Cognitive Aging” (J. Dumas, PI, University of Vermont), 2018 - current

PROFESSIONAL ACTIVITIES – EDUCATION

Training Programs

- 2019 – current Program Director, Fellowship in Geriatric Psychiatry, Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center

Curriculum Development

1. Duke University Neuroscience Curriculum Planning Taskforce Chair (September 2011-February 2012). Focus of this work was to revamp neurobiology education throughout the four-year Duke Psychiatry residency curriculum. (Serving as taskforce member February 2012-July 2012).

Past Seminars and Teaching Opportunities

1. Course Name: Basic Psychopharmacology, Psychiatry Clerkship

- Description: Review of Psychopharmacology
 Year: 2000 - 2001 inclusive
 No. of Sessions: 2 classes per session, 4 sessions per year
 To Whom: Second-Year Medical Students on the Psychiatry Clerkship
 No. of Students: Approximately 12-16 per session
 Where: Duke University Medical Center
2. Course Name: Residents' Journal Club
 Description: General Psychiatry Journal Review
 Year: 2000 - 2001 inclusive
 No. of Sessions: 10 per year
 To Whom: PGY-1 through -4 Psychiatry Residents
 No. of Students: Approximately 5-10 per session
 Where: Duke University Medical Center
3. Course Name: Update on Geriatric Depression
 Description: Overview of Late-life Depression
 Year: February 2001
 No. of Sessions: 1
 To Whom: Physicians and staff
 No. of Students: 20-30
 Where: John Umstead State Psychiatric Hospital
4. Course Name: Electroconvulsive Therapy: An Overview
 Description: Review of ECT Indications and Treatment
 Year: May 2001
 No. of Sessions: 1
 To Whom: Physicians and staff
 No. of Students: 25-30
 Where: John Umstead State Psychiatric Hospital
5. Course Name: Geriatric Psychiatry
 Description: Discussion of dementia, geriatric pharmacology, and neuroimaging
 Year: 2001
 No. of Sessions: 6 sessions
 To Whom: PGY-1 Psychiatry Residents
 No. of Students: Approximately 2-6 per session
 Where: Duke University Medical Center
6. Course Name: Pathophysiology of Depression
 Description: Discussion of theories behind causes of depression
 Year: September 2003
 No. of Sessions: 1 session
 To Whom: PGY-1 Psychiatry Residents
 No. of Students: 10
 Where: Duke University Medical Center
7. Course Name: MRI Rounds
 Description: Neuroimaging in Psychiatry
 Year: 2001 - 2003

- No. of Sessions: 2 per month
 To Whom: PGY-1 and 2 Psychiatry Residents, Second-Year Medical Students
 No. of Students: Approximately 3-6 per session
 Where: Duke University Medical Center
8. Course Name: Medicine-Psychiatry Journal Club: Neuroimaging in Psychiatry
 Description: Clinical uses of neuroimaging in psychiatry
 Year: May 2004
 No. of Sessions: 1 session
 To Whom: PGY-1-4 Psychiatry and Medicine-Psychiatry Residents
 No. of Students: 25
 Where: Duke University Medical Center
9. Course Name: Psychiatry Research Fellowship Seminar
 Description: Use of neuroimaging in psychiatry research
 Year: August 2004
 No. of Sessions: 1 session
 To Whom: PGY-5 Psychiatry Research Fellows
 No. of Students: 2
 Where: Duke University Medical Center
10. Course Name: Neurobiology and Cognitive Neuroscience Seminar
 Description: Examination of the neuroanatomical basis of emotion regulation
 Year: September 2005
 No. of Sessions: 1 session
 To Whom: PGY-4 Psychiatry Residents
 No. of Students: 10
 Where: Duke University Medical Center
11. Course Name: Case-Based Team Learning: Neuroimaging
 Description: Neuroimaging and its role in evaluation of dementia
 Years: September 2007
 No. of Sessions: 1
 To Whom: Residents
 No. of Students: 14
 Where: Duke University Medical Center
12. Course Name: Career Series Lectures
 Description: Discussion of career paths in psychiatry
 Years: January 2010
 No. of Sessions: 1
 To Whom: PGY2 Psychiatry Residents
 No. of Students: 9
 Where: Duke University Medical Center
13. Course Name: Topics in Psychiatry and Behavioral Medicine
 Description: Discussion of psychiatric issues in primary care
 Year: 2001 - 2012
 No. of Sessions: 1 per month
 To Whom: PGY-1 Family Medicine Residents

- No. of Students: Approximately 4-8 per session
Where: SR-AHEC Fayetteville, NC
14. Course Name: Psychopharmacology Update: Antidepressants & Mood Stabilizers
Description: Geriatric psychopharmacology
Year: 2001 - 2012
No. of Sessions: 1 per year
To Whom: Geriatric Psychiatry and Geriatric Medicine Fellows
No. of Students: Approximately 2-4 per session
Where: Duke University Medical Center
15. Course Name: Psychiatric patients as a vulnerable population
(Duke CRTP Responsible Conduct of Research course)
Description: Ethical issues regarding research in vulnerable and psychiatrically ill populations
Years: 2006 - 2012
No. of Sessions: 1 session annually
To Whom: Residents, Fellows, Junior Faculty
No. of Students: 20
Where: Duke University Clinical Research Training Program
16. Course Name: Department of Psychiatry Clinical Case Conference
Description: In collaboration with a PGY1 or PGY2 resident, review, interview, and discussion of a clinical psychiatric case
Years: 2012 - 2015
No. of Sessions: 1 session / month
To Whom: Medical Students, Residents, Faculty
No. of Students: 20-40
Where: Vanderbilt University Department of Psychiatry
17. Course Name: Internal Medicine / Pediatrics Clinical Masters Conference
Description: Discussion of depression for primary care
Years: 2014
No. of Sessions: 1 session
To Whom: Internal Medicine / Pediatric residents
No. of Students: 25
Where: Vanderbilt University School of Medicine
18. Course Name: Internal Medicine / Geriatric Depression didactic
Description: Discussion of depression in older adults for primary care
Years: 2015
No. of Sessions: 2 sessions
To Whom: Internal Medicine / Pediatric residents
No. of Students: 20
Where: Vanderbilt University School of Medicine
19. Course Name: Biological Basis for Mental Disorders (NSC235): Neurobiology of Depression
Description: Broad overview of the clinical presentation and neurobiology of depression
Years: 2015

- To Whom: Neuroscience undergraduate students
 Role: Instructor, 1 lecture annually
 Where: Vanderbilt University
20. Course Name: Fundamentals of Neuroscience (NURO345): Mood Disorders
 Description: Focus on the neurobiology of mood disorders, specifically depression
 Years: 2015
 To Whom: Neuroscience graduate students
 Role: Instructor, 1 lecture annually
 Where: Vanderbilt University
21. Course Name: Neurobiology of Disease (NURO8365): Major Depressive Disorder: Clinical Diagnosis and Presentation
 Description: Focus on clinical issues of depression in context of understanding its neurobiology
 Years: 2015
 To Whom: Neuroscience graduate students
 Role: Instructor, 1 lecture annually
 Where: Vanderbilt University

Ongoing Seminars and Teaching Sessions

22. Course Name: Brain and Behavior Course: Mood Disorders and Treatment
 Description: Discussion of A) clinical presentation of and pathophysiology of mood disorders and B) common treatments
 Years: **2013 - current**
 No. of Sessions: 1-2 sessions annually
 To Whom: First year Medical Students
 No. of Students: 60
 Where: Vanderbilt University School of Medicine
23. Course Name: Mood Disorders Lecture Series
 Description: Review of topics germane to mood disorders, including diagnosis, etiology, and treatment.
 Years: **2012 - current**
 No. of Sessions: 4-5 sessions annually
 To Whom: Psychiatry Residents, PGY 1, 2, and 3
 No. of Students: 6-9
 Where: Vanderbilt University Department of Psychiatry
24. Course Name: Geriatric Psychiatry Seminar Series
 Description: Review of topics germane to geriatric psychiatry, geared towards fellows in the Vanderbilt Geriatric Psychiatry fellowship.
 Years: **2015 - current**
 To Whom: Geriatric Psychiatry Fellows, Associated Faculty
 Role: 5-7 lectures annually
 Where: Vanderbilt University Department of Psychiatry

Clinical Teaching

1. Service: Inpatient Psychiatry, Duke University Medical Center
Description: General adult inpatient psychiatry service
Year: 2001 - 2003
To Whom: 1 PGY-1 or -2 resident, 1 medical student
2. Service: Outpatient Psychiatry, Duke University Medical Center
Description: Memory Disorders Clinic, predominantly patients with depression or dementia
Year: 2003 - 2005
To Whom: 1 geriatric psychiatry fellow, 1 geriatric medicine fellow, 1 medical student
3. Service: Outpatient Psychiatry, Vanderbilt University Medical Center
Description: Vanderbilt Outpatient Psychiatric Clinic supervisor
Year: 2013 – 2016
To Whom: 3 PGY-3 Psychiatry Residents
4. Service: Outpatient Psychiatry, Vanderbilt University Medical Center
Description: Geriatric depression outpatient clinic
Year: **2014 - current**
To Whom: 0-1 PGY-4 Psychiatry Resident, 1-2 Geriatric Psychiatry Fellows Annually

MENTORING ACTIVITIES

Faculty / Trainee Development

- 2002 – 2004 Faculty, Summer Research Institute in Geriatric Psychiatry (SRI). This NIMH-sponsored program organized by Cornell Medical College was an educational program designed to increase the number of scientists in geriatric mental health and geared towards early-stage investigators preparing career development awards.
- 2008, 2013-2015: Faculty, “Developing Your Research Career.” Organized panel of geriatric psychiatry researchers providing guidance and advice on developing research careers to trainees and early-stage investigators. Presented at the Annual Meeting of the American Association for Geriatric Psychiatry in March 2008, 2013, 2014, 2015.
- 2011, 2013 - current: Faculty, Advanced Research Institute in Geriatric Mental Health (ARI). This NIMH-sponsored program organized by Dartmouth Medical College is a program focused on continued professional development of individuals progressing to become independent investigators. This institute is specifically geared towards individuals progressing to an initial R-series award.
- 2019-current **Steering Committee** Member for the Advanced Research Institute in Geriatric Mental Health (ARI).
- 2017 – current: Faculty, Research Career Institute in Mental Health of Aging (CIMA). This NIMH-sponsored program organized by Cornell Medical College is an evolution of the previous Summer Research Institute in Geriatric Psychiatry.

This program is designed to increase the number of scientists in geriatric mental health and is geared towards early-stage investigators preparing career development awards.

- 2017 – current **Steering Committee** Member for the Research Career Institute in Mental Health of Aging (CIMA).
- 2018 **Host Institution** for the Summer Research Institute component for the Research Career Institute in Mental Health of Aging.
- 2018 Panelist, “How to Get a K24.” Organized panel of physician-scientists supported by NIH K24 award, focused on midcareer faculty with strong interests in mentoring. Organized by the Vanderbilt Office of Clinical and Translational Scientist Development.

Mentees

1. Mentee Name: Jonas Hannestad, MD
 Title: Resident in Psychiatry, Duke University
 Date: 2004-2005
 Project Description: Neuroimaging research in late-life depression. Work resulted in an original manuscript (Hannestad J et al, 2006).

2. Mentee Name: Jae Nam Bae, MD
 Title: Visiting Fellow, Inha University Hospital, Incheon, South Korea
 Date: 2004-2005
 Project Description: Neuroimaging research in late-life depression. Work resulted in an original manuscript (Bae JN et al, 2006).

3. Mentee Name: Georgette DeJesus, MD
 Title: Resident in Psychiatry, Duke University
 Date: 2004-2005
 Project Description: Ethical and regulatory issues in research. Spent time reviewing and discussing the role of the Institutional Review Board in psychiatric research.

4. Mentee Name: Sandeep Vaishnavi, MD
 Title: Resident in Psychiatry, Duke University
 Date: 2005-2006
 Project Description: Neuroimaging research in late-life depression. Work resulted in a peer-reviewed review manuscript (Vaishnavi S and Taylor WD, 2006).

5. Mentee Name: Lindsay Jones, BS
 Title: Medical Student, Duke University
 Date: 2006-2007
 Project Description: Neuroimaging research in bipolar disorder. Work resulted in an original published manuscript (Jones LD et al, 2009)

6. Mentee Name: Edmund Hong, BS
 Title: Medical Student
 Date: 2008
 Project description: Examination of the relationship between a MTHFR polymorphism and MRI findings in depression, work resulted in published

manuscript (Hong ED et al, 2009)

7. Mentee Name: Julie Burke, MD
 Title: Resident in Psychiatry, Duke University
 Date: 2009 – 2011
 Project Description: Temporal lobe morphology in late-life depression. Secondary data analysis resulted in manuscript publication (Burke J et al, 2011).
8. Mentee Name: Nneka Isamah, BS
 Title: Medical Student, Duke University
 Date: 2009 – 2010
 Project Description: Frontal lobe morphology and acute antidepressant outcomes in late-life depression. Work consisted of a laboratory experience and secondary data analysis, resulted in manuscript publication (Isamah N et al, 2010).
9. Mentee Name: Sophiya Benjamin, MD
 Title: Resident in Psychiatry / Fellow in Geriatric Psychiatry, Duke University
 Date: 2008 – 2011
 Project Description: Neurogenetic research in late-life depression. Work has resulted in data presentation, manuscript submissions and publication (Benjamin S et al, 2010a; Benjamin S and Taylor WD, 2010b).
10. Mentee Name: Guy Potter, PhD
 Title: Assistant Professor in Psychiatry, Duke University
 Date: 2009 – 2012
 Project Description: Neuroanatomical relationships between cerebral white matter, cognition, and anhedonia. I served as an informal mentor with his NIH K23 award.
11. Mentee Name: Moria Smoski, PhD
 Title: Assistant Professor in Psychiatry, Duke University
 Date: 2009 – 2013
 Project Description: Emotion regulation in elderly depressed individuals. I served as an informal mentor during her NIH career development award while she developed her R01 proposals.
12. Mentee Name: Antonios Zannas, MD
 Title: Resident in Psychiatry, Duke University
 Date: 2010 – 2014
 Project Description: Relationship between stress, depression, and antidepressant outcomes, as well as genetic moderators of these relationships. Work resulted in presentation of scientific data and 4 published manuscripts.
13. Mentee Name: Gina D'Angelo, PhD
 Title: Assistant Professor, Washington University
 Date: 2011
 Project Description: Served as a mentor through the Advanced Research Institute in

Geriatric Psychiatry. The purpose was to facilitate the transition from her Career Development Award to independent funding.

14. Mentee Name: Rebekah Jakel, MD, PhD
 Title: Resident in Psychiatry, Duke University
 Date: 2011 – 2012
 Project Description: Mentoring for senior resident scholarly project, “Tuned In: Understanding the online, plugged-in brain.”
15. Mentee Name: Michael Nedelcovych
 Title: Graduate Student in Pharmacology, Vanderbilt University
 Date: 2013 – 2015
 Project Description: Clinical mentor through the HHMI / VUMC Certificate Program in Molecular Medicine
16. Mentee Name: Lilia Zurkovsky, PhD
 Title: Post-Doctoral trainee, Vanderbilt University
 Date: 2013 – 2014
 Project Description: Served as a research mentor, focusing on how depression influenced cognitive processes. Resulted in a paper, “Cognition as a therapeutic target in late-life depression: Potential for nicotinic therapeutics.”
17. Mentee Name: Jodi Weinstein, MD
 Title: Resident in Psychiatry, Vanderbilt University
 Date: 2013 – 2014
 Project Description: Examination of functional connectivity in depression and characterization of ultradian rhythms pre- and post-antidepressant treatment. Resulted in presentation of scientific data and a publication, “Effects of serotonin modulation on raphe functional connectivity in depression”
18. Mentee Name: Kamil Kudra
 Title: Undergraduate, Vanderbilt University
 Date: 2013 – 2015
 Project Description: Refinement of volumetric image analysis methods. Work has contributed significantly to three manuscripts, two published, and one in preparation.
19. Mentee Name: Rachel Turner
 Title: Undergraduate, Vanderbilt University
 Date: 2013 – 2015
 Project Description: Independent study on issues surrounding depression. Work has contributed to a published manuscript and another under review.
20. Mentee Name: Meghan Riddle, MD
 Title: Resident in Psychiatry, Vanderbilt University (2013-2016)
 Faculty in Psychiatry, Vanderbilt University (2016 – 2019)
 Date: 2013 – 2019
 Project Description: Examination of predictors of conversion to dementia in older adults with depression. Resulted in presentation of scientific data

- and published manuscripts.
 Current Position: Assistant Professor of Psychiatry, University of Kentucky
21. Mentee Name: Ayman Saleh, MD
 Title: Resident in Psychiatry, Vanderbilt University
 Date: 2013 – 2016
 Project Description: Examination of neuroanatomical and functional predictors of depression. A second project examined the utility of clinical assessments for a diagnosis of ADHD. This work resulted in three published manuscripts.
 Current Position: Child and Adolescent Psychiatrist, Children’s National Hospital, Washington DC
22. Mentee Name: Sara Weisenbach, PhD
 Title: Assistant Professor of Psychiatry, University of Illinois at Chicago
 Date: 2014 – 2016
 Project Description: Served as a mentor through the Advanced Research Institute in Geriatric Psychiatry. The purpose of our mentoring relationship was to facilitate the transition from her Career Development Award to independent R01 funding, which she received in 2018.
23. Mentee Name: Katherine Gotham, PhD
 Title: Assistant Professor of Psychiatry, Vanderbilt University Medical Center
 Date: 2014 – 2018
 Project Description: Serve as a mentor focusing on clinical and neural aspects of depression for her K01 career development award from NIMH. She has transitioned to R01 funding in 2018.
24. Mentee Name: Katherine Gifford, PhD
 Title: Assistant Professor of Neurology, Vanderbilt University
 Date: 2014 – 2019
 Project Description: Serve on her mentoring committee and content expert during her internal K12 development award and applications for NIH career development awards. Subsequently serving as a mentor as she develops NIH R01 applications.
25. Mentee Name: Anne Dunbar, MD
 Title: Resident in Psychiatry, Vanderbilt University
 Date: 2015 – 2016
 Project Description: Examination of longitudinal data exploring the effects of stressful life events on pathological brain aging. Manuscript published.
 Current Position: Assistant Professor of Psychiatry, Duke University Medical Center
26. Mentee Name: Margarita Abi Zeid Daou, MD
 Title: Resident in Psychiatry, Vanderbilt University
 Date: 2015 – 2017
 Project Description: Examination of MRI-arterial spin labeling data in late-life depression, exploring relationship between frontocingulate perfusion, clinical presentation, and treatment response. Two manuscripts published.

- Current Position: Assistant Professor of Psychiatry, University of Massachusetts
27. Mentee Name: Jessica Hiscox
 Title: Undergraduate, Vanderbilt University
 Date: 2015 – 2016
 Project Description: Examination of change in medial temporal lobe structure and connectivity in postmenopausal women with a history of depression, specifically focusing on changes following exposure to estrogen hormone replacement. Manuscript published.
28. Mentee Name: Kim Albert, PhD
 Title: Postdoctoral Associate, Vanderbilt University (2015 – 2018)
 Research Instructor in Psychiatry, VUMC (2018 – current)
 Project Description: Examination of attentional processes underlying cognitive decline in older adults. Also examining how emotion and stress may negatively affect cognitive processes. Serving as a faculty mentor as she submits a K01 proposal.
29. Mentee Name: Joseph S. Goveas, MD
 Title: Assistant Professor of Psychiatry, Medical College of Wisconsin
 Date: 2016 – 2017
 Project Description: Served as a mentor through the Advanced Research Institute in Geriatric Psychiatry. The purpose of our mentoring relationship was to facilitate his transition to independent R01 funding.
30. Mentee Name: Yi Deng, MD
 Title: Resident in Psychiatry, Vanderbilt University Medical Center
 Date: 2016 – 2018
 Project Description: Examination of clinical and neuroscience factors related to recurrence of depression in older adults following remission with antidepressant treatment. Two manuscripts published.
 Current Position: Private practice
31. Mentee Name: Jason Gandelman
 Title: Medical Student, Vanderbilt University
 Date: 2016 – 2019
 Project Description: Examination of transdermal nicotine for the treatment of mood and cognitive symptoms in late-life depression. Three manuscripts published.
 Current Position: Resident in Psychiatry, University of California, San Francisco
32. Mentee Name: Bernadette M. Cortese, PhD
 Title: Assistant Professor of Psychiatry, Medical University of South Carolina
 Date: 2017 – 2019
 Project Description: Served as a mentor through the Advanced Research Institute in Geriatric Psychiatry. The purpose of our mentoring relationship was to facilitate her transition to independent R01 funding.
33. Mentee Name: Ganesh Gopalakrishna, MD

- Title: Geriatric Psychiatry Fellow, Vanderbilt University Medical Center
 Date: 2017 – 2018
 Project Description: Examination of anhedonia in the clinical presentation of late-life depression. Research work presented in the 2018 AAGP Meeting.
- Current Position: Geriatric Psychiatrist, Banner Health Alzheimer’s Institute
34. Mentee Name: Tierra Ledet
 Title: Masters-Level Graduate Student, Vanderbilt University
 Date: 2017 – 2018
 Project Description: Examination of affective responses to stress exposure in women with and without a history of depression. Manuscript under review.
35. Mentee Name: Kyla Park
 Title: Undergraduate, Vanderbilt University
 Date: 2017 - 2019
 Project Description: Examination of depression-related differences in intrinsic network functional connectivity. Also work on project applying ecological measures to assess behavior and symptoms in depressed elders in their day-to-day life. One manuscript published.
36. Mentee Name: Jo Ellen Wilson, MD, MPH
 Title: Assistant Professor of Psychiatry, Vanderbilt University Medical Center
 Date: 2017 – current
 Project Description: Examination of medical and psychiatric outcomes of delirium and catatonia in critically ill adults. Serve as mentor on K23 application.
37. Mentee Name: Jennifer Vega, PhD
 Title: Post-doctoral Associate, Vanderbilt University Medical Center
 Date: 2018 – current
 Project Description: Examination of neural and behavioral response to stress in older adults at risk for affective and cognitive disorders.
38. Mentee Name: Maureen McHugo, PhD
 Title: Research Instructor in Psychiatry, Vanderbilt University Medical Center
 Date: 2019 – current
 Project Description: Examination of hippocampal dysfunction in depression and how measures of structure and function differ in psychosis and depression. Serving as mentor for NARSAD Young Investigator Grant application.
39. Mentee Name: Patricia Andrews, MD
 Title: Assistant Professor of Psychiatry, Vanderbilt University Medical Center
 Date: 2019 – current
 Project Description: Developing research interest into delirium in critical care populations, focusing on health disparities and psychiatric

outcomes.

40. Mentee Name: Seth Christman, MD
 Title: Resident in Psychiatry, PGY3, Vanderbilt University Medical Center
 Date: 2019 – current
 Project Description: Examination of accelerated aging in depression, focusing on brain age measurements.
41. Mentee Name: Camilo B. Noguera, BSE
 Title: MD/PhD Candidate in Biomedical Engineering
 Date: 2019 – current
 Project Description: Application of advanced neuroimaging analysis techniques to MRI data in older adults.
42. Mentee Name: Devika Nair, MD, MSCI
 Title: Instructor, Department of Medicine, Division of Nephrology and Hypertension, Vanderbilt University Medical Center
 Date: 2019 – current
 Project Description: Examination of depression and cognition in context of chronic kidney disease

RESEARCH SUPPORT (Does not include submissions pending scientific review)

Current Support

R01 MH121620 – Taylor (PI) 12/01/2019 – 11/30/2024
 Title: “1/3: Recurrence Markers, Cognitive Burden, and Neurobiological Homeostasis in Late-Life Depression (The REMBRANDT Study)”

This collaborative project between Vanderbilt University Medical Center, the University of Pittsburgh, and the University of Illinois-Chicago is examining neurobiological predictors of depression recurrence following remission in depressed older adults. The study uses neuroimaging, cognitive testing, and ecological monitoring as tools to examine predictors of recurrence as well as consequences of recurrent depressive episodes.

Role: PI

R01 MH102246 – Taylor (PI) 1/15/2015 – 11/30/2020
 Project Title: “Connectivity Affecting the Antidepressant Response (the CAARE Study)”
 Grant Title: “Neural Connectivity Affecting the Antidepressant Response: Testing a Lesion Model”

This R01 project examines the hypothesis that in focal hyperintense lesions have discrete effects on structural and functional measures of neural circuits in older depressed adults. It also examines how focal changes may influence the antidepressant response and examines if there may be differential effects of focal lesions based on what circuits are impaired and the antidepressant’s mechanism of action. Neuroimaging measures to be related to antidepressant treatment outcomes include tract-specific measures of lesion severity and measures of functional connectivity of regions connected by each tract.

K24 MH 110598 – Taylor (PI) 09/01/2016 – 06/30/2021
 Title: “Mentoring and Research on Neurobiological Markers of Clinical Outcomes in Depression”

This K24 Midcareer Mentoring Award focuses on mentoring trainees and junior faculty with an interest in clinical / translational research in depression and aging. It also supports the PI in developing new expertise in PET imaging, specifically utilizing PET to examine amyloid deposition in older depressed adults.

PaCR-2017C2-8169 (PCORI)

5/1/2019 – 2/28/2022

Taylor (Site PI) / Nierenberg (PI)

Title: CEPIO-D: Comparative Effectiveness of Pharmacogenetics for Treatment of Depression

The major goal of this project is to compare the effectiveness of pharmacogenomic guided treatment with best practice guideline-concordant treatment to improve well-being in individuals with major depression.

Prime: Massachusetts General Hospital

Pending Support

R61 MH122464 – Taylor (PI)

7/01/2020 – 6/30/2022

Title: “Nicotinic modulation of the cognitive control system in late-life depression”

This is the first phase of a two-phase R61/R33 proposal examining the effect of transdermal nicotine administration on cognitive control network function, depressive symptomatology, and cognitive performance in older depressed adults. This initial R61 phase is testing for exposure-dependent target engagement of the cognitive control network.

Role: PI

R01 MH123662 – Taylor (PI)

8/15/2020 – 8/14/2025

Title: “2/2 - Dopaminergic Dysfunction in Late-Life Depression (The D3 Study)”

This collaborative project between Vanderbilt University Medical Center and Columbia University examines the contribution of dopaminergic system dysfunction in late-life depression to alterations in cognitive systems, positive valence systems, and sensorimotor systems. The study uses MRI and PET neuroimaging, cognitive and motor assessments in context of a levodopa challenge to unravel the dopamine system’s contributions to these domains.

Role: PI

Past Support, Principal Investigator

Alzheimer’s Association – Taylor (PI)

05/01/2018 – 10/31/2019

SAGA-18-418231

Project Title: “The Aging, Cognition, and Brain Activity (ACOBA) Study”

Grant Title: “Sex differences in stress response in individuals at higher risk for AD”

This project examines individuals with subjective cognitive decline, examining the relationship between the stress response and cognition. Specifically, it examines differences in the neural response to psychosocial stress and how that response is related to acute and one-year cognitive performance.

VR20324 Vanderbilt Institute for Clinical and Translational Research (VICTR) Pilot Funding

Taylor (PI)

9/01/2016-1/31/2018

“Depressed Mood Influenced by Nicotine Dosing (The Depressed MIND Study)”

This pilot project examined the potential benefit of nicotinic acetylcholine receptor agonists for treating depressive and cognitive symptoms of late-life depression. Older adults received 12 weeks of open-label transdermal nicotine patches, completed cranial MRI and neuropsychological assessments before and after study drug. The goal of the study was to examine neural targets affected by nicotine that are linked to clinical improvement.

R21 MH099218 – Taylor (PI) 7/15/2013 – 6/30/2016
 “Frontal hypoperfusion effects on antidepressant outcomes in geriatric depression”
 This R21 study pursues the hypothesis that vascular pathology contributes to the development and persistence of depression through deleterious effects on autoregulatory processes that result in regional hypoperfusion. Such hypoperfusion adversely affects regional function and may decrease the likelihood of a successful antidepressant response. This study will enroll older adults who will complete baseline MRI arterial spin labeling (ASL) imaging to determine if these measures predict response to treatment with SSRIs.

VR5642 Vanderbilt Institute for Clinical and Translational Research (VICTR) Pilot Funding
 Taylor (PI) 9/6/2013-9/5/2015
 “Effects of MRI hyperintense lesion location on response to antidepressants”
 This internally funded pilot project is examining how hyperintense lesions occurring in specific fiber tracts may influence the clinical antidepressant response.

VR5642 Vanderbilt Institute for Clinical and Translational Research (VICTR) Pilot Funding
 Taylor (PI) 2/5/2013-1/16/2015
 “Effects of cerebral hypoperfusion and its reversal on late-life depression”
 This internally funded pilot project examined the hypothesis that, in late-life depression, cerebral perfusion deficits contribute to poor response to SSRIs. It further examines how use of candesartan, an angiotensin receptor blocker, may improve cerebral perfusion and if such changes are associated with improvement in mood.

1R01 MH077745 – Taylor (PI) 2/1/2008-12/31/2013
 “Genes and Alterations in Brain Structure and Function in Depression”
 This study examines the effect of genetic polymorphisms of 5HTTLPR and COMT on structure of frontal and limbic brain as well as how it affects aspects of cognition modulated by these regions in a cohort of healthy and depressed adults.

1R01 MH078216 – Taylor (PI) 4/1/2007-9/30/2011
 “Geriatric Depression: Longitudinal Changes”
 This is a collaborative R01 with Washington University following a cohort of older depressed and nondepressed subjects initially recruited as part of a previous study examining sertraline in vascular depression. This will collect longitudinal assessments on depression course and treatment, as well as volumetric and diffusion tensor imaging MRI data, and neuropsychological test data.

5K23 MH065939 – Taylor (PI) 7/1/2003-12/31/2008
 “Geriatric Depression Outcomes: Prognostic Factors”
 This study is using diffusion tensor imaging to collect data on neural connectivity of frontal and subcortical brain regions and relate these findings to antidepressant treatment outcomes.

Young Investigator Award - Taylor (PI) 7/01/02-12/30/04
 National Alliance for Research on Schizophrenia and Affective Disorders (NARSAD)
 “Diffusion Tensor Imaging Changes of the Prefrontal Cortex in Late-Life Depression”
 The study collected preliminary data of diffusion changes in the frontal white matter of depressed elders.

Past Support, Non-Principal Investigator Role

R21 AG049332 – Monroe (PI) 09/01/2016 – 05/15/2018
 “Differences in Pain Between Alzheimer's Disease and Vascular Dementia in Older Females”

The major goals of this project are to examine Alzheimer Disease- or Vascular Dementia-associated psychophysical and psychosocial differences in pain processing.

Role: Co-Investigator

VUMC 54670 – Powers (PI) 07/01/2015 – 06/30/2016

Centers for Medicare and Medicaid Services

“Reducing Antipsychotic Drug Use in Skilled Nursing Facilities Through a Web-Based Staff Intervention Training”

The purpose of the grant is to look at implementing staff- and patient-centered techniques to reduce antipsychotic medication use in nursing homes.

1R01 AG040093 – Devanand (overall PI); Doraiswamy (site PI) 1/1/2012 – 7/31/2012

“Pilot Combination Treatment Trial of Mild Cognitive Impairment with Depression”

This two-site project conducted between Columbia University and Duke University examined the role of donepezil in treating the coexistence of depression with cognitive deficits over 18-months.

Role: Co-Investigator

1R21 MH094781 – Smoski (PI) 4/1/2012 – 7/31/2012

“Imaging Genetic Predictors of Psychotherapy Outcomes in Unipolar Depression”

This study examined the relationship between neural response to rewards in MDD, genetic variation in dopaminergic systems, and response to psychotherapy. Participants underwent functional neuroimaging during a reward anticipation and feedback task and genotyping for candidate dopamine genes before initiating a course of Brief Behavioral Activation Treatment for Depression (BATD).

Role: Co-Investigator

5P50 MH060451 – Krishnan (PI) 1/1/2009-9/30/2011

“Conte Centers for the Neuroscience of Depression”

Participation was primarily in Project 1 of the Conte Center, which utilized genetic and neuroimaging methods to elucidate neural circuitry deficits contributing to the development of depression in later life.

Role: Co-Investigator

GlaxoSmithKline – Doraiswamy (site PI) 7/1/2003 – 6/30/2004

“A randomized, double-blind, placebo-controlled, three armed fMRI study comparing emotion-induced brain activation patterns before and after 8 weeks of treatment with placebo, active comparator (Paxil 20mg) and one NK1 antagonist (GW597599B 15mg)”

Role: Sub-investigator

GlaxoSmithKline – Doraiswamy (PI) 7/1/2003 – 6/30/2004

“Effects of Wellbutrin XL on Mood Circuits in Major Depression: A pilot Functional MRI Study”

Role: Sub-investigator

5R01 MH54846 – Steffens (PI) 7/1/2002 – 6/30/2003

“Geriatric Depression: Risk Factors for Adverse Outcomes”

Role: Co-Investigator