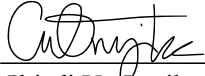


CURRICULUM VITAE

The Johns Hopkins University School of Medicine



Chiadi U. Onyike, MD, MHS

07/30/2018

Date

DEMOGRAPHIC AND PERSONAL INFORMATION**Current Appointments**

- 2015– Associate Professor of Psychiatry and Behavioral Sciences, Johns Hopkins
 2002– Staff Psychiatrist, Department of Psychiatry and Behavioral Sciences, Johns Hopkins Hospital
 2006– Director, Frontotemporal Dementia and Young-Onset Dementias Program, Johns Hopkins Hospital
 2013– Staff Psychiatrist, Department of Psychiatry and Behavioral Sciences, Johns Hopkins Bayview Medical Center

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Education and Training

Undergraduate/Doctoral

1991 M.B.B.S. (M.D.), College of Medicine, University of Nigeria, Enugu, Nigeria

Doctoral/graduate

2002 M.H.S., Clinical Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland

Postdoctoral

- 1991–1992 Internship, Medicine/Surgery, University of Nigeria Teaching Hospital, Enugu, Nigeria
 1995–1997 Research Fellowship, Neurochemistry/Cell Signaling, Department of Pharmacology and Experimental Therapeutics, University of Maryland at Baltimore. Primary Mentor: Thomas W. Abrams, PhD
 1996–1997 Internship, General Psychiatry, St. Elizabeth's Hospital/Commission on Mental Health Services, Washington, District of Columbia
 1997–2000 Residency, General Psychiatry, Department of Psychiatry and Behavioral Sciences, Johns Hopkins Hospital, Baltimore, Maryland
 1999–2000 Chief Resident, General Psychiatry, Department of Psychiatry and Behavioral Sciences, Johns Hopkins Hospital
 2000–2002 Research fellowship, Psychiatric Epidemiology, Department of Mental Health, Johns Hopkins Bloomberg School of Public Health. Primary Mentor: William Eaton, PhD
 2000–2002 Clinical Fellowship, General Psychiatry, Department of Psychiatry and Behavioral Sciences, Johns Hopkins Hospital. Primary Mentor: Glenn Treisman, MD, PhD

Professional Experience

- 1992–1994 Medical Officer, International Institute for Tropical Agriculture, Ibadan, Nigeria
 1995–1995 Research Assistant, Neuroscience, University of Pennsylvania, Philadelphia, Pennsylvania
 2000–2005 Director, Psychiatry Emergency Services, Johns Hopkins Hospital
 2002–2004 Instructor, Department of Psychiatry and Behavioral Sciences, Johns Hopkins University, Baltimore
 2002–2006 Faculty, Neuropsychiatry, Copper Ridge Institute, Sykesville, Maryland
 2004– Assistant Professor, Department of Psychiatry and Behavioral Sciences, Johns Hopkins University
 2006– Director, Frontotemporal Dementia & Young-Onset Dementias Program, Johns Hopkins University
 2015– Associate Professor, Department of Psychiatry and Behavioral Sciences, Johns Hopkins University

PUBLICATIONS:**Original Research [OR]**

1. **Onyike CU**, Lin AH, and Abrams TW. Persistence of the interaction of calmodulin with adenylyl cyclase: implications for integration of transient Ca²⁺ stimuli. *J Neurochemistry* 1998, 71:1298-1306.

2. Abrams TW, Jarrard HE, Yovell Y, Cohen JE, and **Onyike CU**. Analysis of sequence-dependent interactions between transient calcium and transmitter stimuli in activating adenylyl cyclase in *Aplysia*: possible contribution to CS-US sequence requirement during conditioning. *Learning & Memory* 1998, 4:496-509.
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5. Lin, AH, **Onyike CU** and Abrams TW. Sequence-dependent interactions between transient calcium and transmitter stimuli in activation of mammalian brain adenylyl cyclase. *Brain Research* 1998, 800:300-307.
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7. Politis AM, Vozzella S, Mayer LS, **Onyike CU**, Baker AS, Lyketsos CG. A randomized, controlled, clinical trial of activity therapy for apathy in patients with dementia residing in long-term care. *Int J Geriatric Psychiatry* 2004, 19:1087-1094.
8. Lyketsos CG, Toone L, Tschanz J, Rabins PV, Steinberg M, **Onyike CU**, Corcoran C, Norton M, Zandi P, Breitner JCS, Welsh-Bohmer K and the Cache County Study Group. A population-based study of medical comorbidity in early dementia and "Cognitive Impairment No Dementia" (CIND): Association with functional and cognitive impairment. *Am J Geriatric Psychiatry* 2005, 13:656-664.
9. Bienvenu OJ, **Onyike CU**, Chen L-S, Samuels J, Nestadt G, Eaton WW. Agoraphobia in the general population: longitudinal relationships with panic, and personality disorder trait and other risk factors for first onset, with clinical reappraisal. *Br J Psychiatry* 2006, 188:432-438.
10. Maust DT, **Onyike CU**, Sheppard JME, Mayer LS, Samus QM, Brandt J, Rabins PV, Lyketsos CG, Rosenblatt A. Predictors of caregiver unawareness and non-treatment of dementia among residents of assisted living facilities: The Maryland Assisted Living Study (MD-AL). *Am J Geriatr Psychiatry* 2006, 14(8):668-675.
11. Samus QM, Rosenblatt A, **Onyike C**, Steele CD, Baker AS, Harper MG, Brandt J, Mayer LS, Rabins PV, Lyketsos CG. Correlates of caregiver-rated quality of life in assisted living: The Maryland Assisted Living Study. *J Gerontol B Psychol Soc Sci* 2006, 61:311-314.
12. Leroi I, Samus QM, Rosenblatt A, **Onyike CU**, Brandt J, Baker AS, Rabins P, Lyketsos C. A comparison of small and large assisted living facilities for the diagnosis and care of dementia: the Maryland Assisted Living Study. *Int J Geriatric Psychiatry* 2007, 22:224-232.
13. ***Onyike CU**, Sheppard J-ME, Tschanz JT, Norton MC, Green RC, Steinberg M, Welsh-Bohmer KA, Breitner JC, Lyketsos CG. Epidemiology of apathy in older adults: the Cache County Study. *Am J Geriatr Psychiatry* 2007, 15(5):365-375.
14. Lyketsos CG, Samus QM, Baker A, McNabney M, **Onyike CU**, Mayer LS, Brandt J, Rabins P, Rosenblatt A. Effect of dementia and treatment of dementia on time to discharge from assisted living facilities: The Maryland Assisted Living Study. *J Am Geriatr Soc* 2007, 55:1031-1037.
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16. Rosenblatt A, Samus QM, **Onyike CU**, Baker AS, McNabney M, Mayer LS, Brandt J, Lyketsos CG. Acetylcholinesterase inhibitors in assisted living: patterns of use and association with retention. *Int J Geriatr Psychiatry* 2008, 23(2):178-84.
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18. **de Medeiros K**, Rosenberg PB, Baker AS, ***Onyike CU**. Improper sexual behaviors in elders with dementia living in residential care. *Dement Geriatr Cogn Disord* 2008, 26(4):370-7.
19. McNabney MK, Samus QM, Lyketsos CG, Brandt J, **Onyike CU**, Baker A, Rosenblatt A. The spectrum of medical illness and medication use among residents of assisted living facilities in central Maryland. *J Am Med Dir Assoc* 2008, 9(8):558-64.
20. Appleby BS, Appleby KK, Crain BJ, **Onyike CU**, Wallin MT, Rabins PV. Characteristics of established and proposed sporadic Creutzfeldt-Jakob disease variants. *Arch Neurol* 2009, 66(2):208-15.
21. Samus QM, Mayer L, **Onyike CU**, Brandt J, Baker A, McNabney M, Rabins PV, Lyketsos CG, Rosenblatt A. Correlates of functional dependence among recently admitted assisted living residents with and without dementia. *J Am Med Dir Assoc* 2009, 10(5):323-9.

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23. Bicket MC, Samus QM, McNabney M, **Onyike CU**, Mayer LS, Brandt J, Rabins P, Lyketsos C, Rosenblatt A. The physical environment influences neuropsychiatric symptoms and other outcomes in assisted living residents. *Int J Geriatr Psychiatry* 2010, 10:1044-54.
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26. ***Onyike CU**, Sloane KL, Smyth SF, Appleby BS, Blass DM, Rabins PV. Estimating Severity of Illness and Disability in Frontotemporal Dementia: Preliminary Analysis of the Dementia Disability Rating (DDR). *Acta Neuropsychologica* 2011, 9(2):141-152.
27. Boxer AL, Knopman DS, Kaufer DI, Grossman M, **Onyike C**, Graf-Radford N, Mendez M, Kerwin D, Lerner A, Wu CK, Koestler M, Shapira J, Sullivan K, Klepac K, Lipowski K, Ullah J, Fields S, Kramer JH, Merrilees J, Neuhaus J, Mesulam MM, Miller BL. Memantine in patients with frontotemporal lobar degeneration: a multicentre, randomised, double-blind, placebo-controlled trial. *Lancet Neurol* 2013, 12:149-56. **Role:** PI, Johns Hopkins Site; manuscript review/editing.
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31. McNabney MK, **Onyike C**, Johnston D, Mayer L, Lyketsos C, Brandt J, Rosenblatt A, Samus Q. The impact of complex chronic diseases on care utilization among assisted living residents. *Geriatr Nurs* 2014, 35(1):26-30.
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33. Uflacker A, Edmondson MC, **Onyike CU**, Appleby BS. Caregiver burden in atypical dementias: comparing frontotemporal dementia, Creutzfeldt-Jakob disease, and Alzheimer's disease. *Int Psychogeriatr* 2016, 28(2):269-73.
34. Kansal K, Mareddy M, Sloane KL, Minc AA, Rabins PV, McGready JB, ***Onyike CU**. Survival in frontotemporal dementia phenotypes: a meta-analysis. *Dement Geriatr Cogn Disord* 2016, 41(1-2):109-122.
35. Kansal K, Yang Z, Fishman A, Sair HI, Ying SH, Jedynak B, Prince JL, ***Onyike CU**. Structural cerebellar correlates of cognitive and motor dysfunctions in cerebellar degeneration. *Brain* 2017, 140(3): 707-720.
36. Pereira L, Airan RD, Fishman A, Pillai JJ, Kansal K, **Onyike CU**, Prince JL, Ying SH, Sair HI. Resting-state functional connectivity and cognitive dysfunction correlations in spinocerebellar ataxia type 6 (SCA6). *Hum Brain Mapp* 2017, 38(6):3001-3010.

Proceedings Reports [PR]

1. Yang Z, Abulnaga SM, Carass A, Kansal K, Jedynak BM, **Onyike C**, Ying SH, Prince JL. Landmark based shape analysis for cerebellar ataxia classification and structural change pattern visualization. *Proc SPIE 9784, Medical Imaging 2016: Image Processing*, 97840P. doi:10.1117/12.2217313.
2. Abulnaga SM, Yang Z, Carass A, Kansal K, Jedynak BM, **Onyike CU**, Ying SH, Prince JL. A toolbox to visually explore cerebellar shape changes in cerebellar disease and dysfunction. *Proc SPIE 9785, Medical Imaging 2016: Computer-Aided Diagnosis*, 97852P. doi: 10.1117/12.2216584.

Review Articles [RA]

1. ***Onyike CU**, Bonner JO, Lyketsos CG, Treisman GJ. Mania during treatment of chronic hepatitis C with pegylated interferon and ribavirin. *Am J Psychiatry* 2004, 161(3):429-435.
2. ***Onyike CU**. Cerebrovascular disease and dementia. *Int Review Psychiatry* 2006, 18(5):423-431.

3. ***Onyike CU**, Diehl-Schmid J. The epidemiology of frontotemporal dementia. *Int Review Psychiatry* 2013, 25(2):130–137.
4. Wylie MA, Shnall A, **Onyike CU**, Huey ED. Management of frontotemporal dementia in mental health and multidisciplinary settings. *Int Review Psychiatry* 2013, 25(2), 230–236.
5. Devineni B, ***Onyike CU**. Young-onset dementia epidemiology applied to neuropsychiatry practice. *Psychiatr Clin North Am* 2015, 38(2):233–248.
6. Aranca TV, Jones TM, Shaw JD, Staffetti JS, Ashizawa T, Kuo S-H, Fogel BL, Wilmot GR, Perlman SL, **Onyike CU**, Ying S, Zesiewicz, TA. Emerging therapies for Friedrich's ataxia. *Neurodegener Dis Manag* 2016, 6(1):49–65
7. ***Onyike CU**. The psychiatric aspects of dementia. *Continuum (Minneapolis)* 2016;22(2):600–614.

Guidelines/Protocols, Consensus Statement, Expert Opinion, Consortium Articles [GL]

1. Rosenberg PB, **Onyike CU**, Katz IR, Porsteinsson AP, Mintzer JE, Schneider LS, Rabins PV, Meinert CL, Martin BK, Lyketsos CB for the Depression in Alzheimer Disease Study-2: Clinical application of operationalized criteria for "Depression of Alzheimer Disease". *Int J Geriatric Psychiatry* 2005, 20:119-127.
2. Robert P, **Onyike CU**, Leentjens AF, Dujardin K, Aalten P, Starkstein S, Verhey FR, Yessavage J, Clement JP, Drapier D, Bayle F, Benoit M, Boyer P, Lorca PM, Thibaut F, Gauthier S, Grossberg G, Vellas B, Byrne J. Proposed diagnostic criteria for apathy in Alzheimer's disease and other neuropsychiatric disorders. *Eur Psychiatry* 2009, 24(2):98-104.
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4. Lanctôt KL, Agüera-Ortiz L, Brodaty H, Francis PT, Geda YE, Ismail Z, Marshall GA, Mortby ME, **Onyike CU**, Padala PR, Politis AM, Rosenberg PB, Siegel E, Sultzer DL. Apathy associated with neurocognitive disorders: recent progress and future directions. *Alzheimers Dement* 2017, 13(1):84-100.
5. Ismail Z, Agüera-Ortiz L, Brodaty H, Cieslak, A, Cummings J, Fischer CE, Gauthier S, Geda YE, Herrmann N, Kanji J, Lanctôt KL, Miller DS, Mortby ME, **Onyike CU**, Rosenberg PB, Smith EE, Smith GS, Sultzer DL, Lyketsos CG for the NPS Professional Interest Area of the International Society to Advance Alzheimer's Research and Treatment. The Mild Behavioral Impairment Checklist (MBI-C): A rating scale for neuropsychiatric symptoms in pre-dementia populations. *J Alzheimers Dis* 2017, 56(3):929-938.
6. Crutch SJ, Schott JM, Rabinovici GD, Murray M, Snowden JS, van der Flier WM, Dickerson BC, Vandenberghe R, Ahmed S, Bak TH, Boeve BF, Butler C, Cappa SF, Ceccaldi M, Cruz de Souza L, Dubois B, Felician O, Galasko D, Graff-Radford J, Graff-Radford NR, Hof PR, Krolak-Salmon P, Lehmann M, Magnin E, Mendez MF, Nestor PJ, **Onyike CU**, Pelak VS, Pijnenburg Y, Primativo S, Rossor MN, Ryan NS, Scheltens P, Shakespeare TJ, Suárez González A, Tang-Wai DF, Yong KX, Carillo M, Fox NC. Consensus classification of posterior cortical atrophy. *Alzheimers Dement* 2017, 13(8):870-884.

Editorials/Invited Commentaries [ED]

1. Lee HB, **Onyike CU**. The cerebrovascular disease basis of psychiatric syndromes: A model for the power of disease reasoning in psychiatry. (Editorial) *Int Review Psychiatry* 2006, 18(5):391-393.
2. ***Onyike CU**. Neuroleptic discontinuation during dementia care: a recent trial and its implications for practice. *Nat Clin Pract Neurol* 2008, 4(10):528-9.
3. **Onyike CU**. What is the life expectancy in frontotemporal lobar degeneration? *Neuroepidemiology* 2011, 37(3-4):166–167.
4. ***Onyike CU**, Huey ED. Frontotemporal dementia and psychiatry. *Int Review Psychiatry* 2013, 25(2):127–129.
5. ***Onyike CU**. In young men, various risk factors are associated with later development of young-onset dementia. *Evid Based Ment Health*. 2014, 17(2):49.
6. ***Onyike CU**. The practice and science of young-onset dementia. *Psychiatr Clin N Am* 2015, 38(2):xiii–xiv.
7. ***Onyike CU**. Towards a physiology of eating disorder in frontotemporal dementia. *Neurology* 2015, 85(15):1316.
8. ***Onyike CU**, Smith GS. In vivo imaging of neurodegeneration in dementia with lewy bodies. *Int Psychogeriatr* 2016, 28(4):527-8.

Book Chapters, Monographs [BC]

1. ***Onyike CU**, Lyketsos CG. Aggression and violence. In: *Textbook of Psychosomatic Medicine: Psychiatric Care of the Medically Ill*. JL Levenson, ed., American Psychiatric Publishing Inc., 2004, pp 171-191.
2. ***Onyike CU**. Stimulants and dopamine augmenters. In: *Psychiatric Aspects of Neurologic Diseases: Practical Approaches to Patient Care*. CG Lyketsos, ed., Oxford University Press, 2008, pp 335-344.

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5. **Onyike CU**, Angelino AF, Treisman GT. Psychiatric barriers and the international AIDS epidemic. In *Sande's HIV/AIDS Medicine: Medical Management of AIDS 2013*. Volberding PA, Greene, MC, Lange JMA, Gallant JE, Sewankambo N, eds. Elsevier Saunders, 2012, pp 257-266.
6. Yin O, ***Onyike C**. Prion disease. *The Johns Hopkins Phipps Psychiatry Guide*. Johns Hopkins POC-IT Center (Johns Hopkins Point of Care Information Technology Center), Baltimore, MD. October, 2014.
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8. Dickerson BC, Ducharme S, **Onyike CU**. Overview of the assessment of frontotemporal dementia syndromes. In *Hodges' Frontotemporal Dementia, 2nd edition*. Dickerson BC, ed. Cambridge University Press, 2016, pp 91-105.
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10. ***Onyike CU**, Rabins PV. The neuropsychiatry of dementia. In *Behavioral Neurology of Dementia, 2nd edition*. Miller B, Boeve B, ed., Cambridge University Press 2016, pp 9-18.
11. ***Onyike CU**. Assessment and diagnosis of the non-Alzheimer dementias. In *Oxford Textbook of Geriatric Medicine, 3rd edition*, Michel J-P, Beattie BL, Martin FC, Walston JD, ed., Oxford University Press 2017, pp 987-995.
12. Wise EA, Lyketsos CG, ***Onyike CU**. Aggression and violence in the general hospital. In: *Textbook of Psychosomatic Medicine: Psychiatric Care of the Medically Ill, 3rd Edition*. JL Levenson, ed., American Psychiatric Publishing Inc., in press.

Letters, Correspondence [LT]

1. ***Onyike CU**, Bonner JO, Lyketsos CG, Treisman GJ. Dr. Onyike and colleagues reply. *Am J Psychiatry* 2004, 161(12):2332-2334.
2. Bienvenu OJ, **Onyike CU**, Stein, MB, Chen L-S, Samuels J, Nestadt G, Eaton WW. Author's reply. *Br J Psychiatry* 2006, 189:471.
3. Rao V, Spiro JR, Handel S, **Onyike CU**. Clinical correlates of personality changes associated with traumatic brain injury. *J Neuropsychiatry Clin Neurosci* 2008, 20(1):118-9.
4. Appleby BS, **Onyike CU**. Early detection of periodic sharp wave complexes on EEG by independent component analysis in patients with Creutzfeldt-Jakob disease. *J Clin Neurophysiol* 2008, 25(4):239.

Web Forums – Invited Reviews and Commentaries

1. **Onyike C**: F1000Prime Recommendation of Evaluation [Diehl-Schmid J et al., Arch Clin Neuropsychol 2007, 22(4):459-64]. In F1000Prime, 28 Sep 2009; DOI: 10.3410/f.1164851.626699.
2. **Onyike C**: F1000Prime Recommendation of Evaluation [Mioshi E and Hodges JR, Dement Geriatr Cogn Disord 2009, 28(5):419-26].
3. **Onyike C**: F1000Prime Recommendation of Evaluation [Velakoulis D et al., Br J Psychiatry 2009, 194(4):298-305]. In F1000Prime, 04 Dec 2009; DOI: 10.3410/f.1168514.630710.
4. **Onyike C**: F1000Prime Recommendation of Evaluation [Piguet O et al., Neurology 2009, 72(8):732-7]. In F1000Prime, 21 Jan 2010; DOI: 10.3410/f.1555956.1047054.
5. **Onyike C**: F1000Prime Recommendation of Evaluation [Torralva T et al., Brain 2009, 132(Pt 5):1299-309]. In F1000Prime, 22 Jun 2009; DOI: 10.3410/f.1161178.621654.
6. **Onyike C**: F1000Prime Recommendation of Evaluation [Ghosh A and Dutt A, J Neurol Neurosurg Psychiatr 2010, 81(2):154-6]. In F1000Prime, 29 Mar 2010; DOI: 10.3410/f.2707958.2371056.
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8. **Onyike C**: F1000Prime Recommendation of Evaluation [Schoder D et al., Br J Psychiatry 2010, 197(1):28-35]. In F1000Prime, 26 Nov 2010; DOI: 10.3410/f.6501956.6629054.
9. **Onyike C**: F1000Prime Recommendation of Evaluation [Piguet O et al., Ann Neurol 2010]. In F1000Prime, 12 Apr 2011; DOI: 10.3410/f.9510957.10160055.
10. **Onyike C**: F1000Prime Recommendation of Evaluation [Wicklund MR et al., Neurology 2011, 76(16):1377-82]. In F1000Prime, 12 May 2011; DOI: 10.3410/f.10245956.11038054.
11. **Onyike C**: F1000Prime Recommendation of Evaluation [Baborie A et al., Acta Neuropathol 2011, 121(3):365-71]. In F1000Prime, 21 Sep 2011; DOI: 10.3410/f.13276971.14635076.
12. **Onyike C**: F1000Prime Recommendation of Evaluation [Jesso S et al., Brain 2011, 134(Pt 9):2493-501]. In F1000Prime, 18 Nov 2011; DOI: 10.3410/f.13370989.14741095.
13. **Onyike C**: F1000Prime Recommendation of Evaluation [Rohrer JD et al., Brain 2011, 134(Pt 9):2565-81]. In F1000Prime, 23 May 2012; DOI: 10.3410/f.715747803.791252804.

14. **Onyike C:** F1000Prime Recommendation of Evaluation [Chow TW et al., *Dement Geriatr Cogn Disord* 2011, 31(5):371-8]. In F1000Prime, 09 Aug 2012; DOI: 10.3410/f.717952783.793457666.
15. **Onyike C:** F1000Prime Recommendation of Evaluation [Stokholm J et al., *J Neurol Neurosurg Psychiatr* 2012]. In F1000Prime, 18 Dec 2012; DOI: 10.3410/f.717968092.793467088.
16. **Onyike C:** F1000Prime Recommendation of Evaluation [Tan KS et al., *Alzheimer Dis Assoc Disord* 2013]. In F1000Prime, 16 May 2013; DOI: 10.3410/f.718007476.793476016.
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20. **Onyike C.** "Is oxytocin a means for restoring social behaviour in FTD?". 7 Apr 2015. FTD Talk. <http://www.ftdtalk.org/is-oxytocin-a-means-for-restoring-social-behaviour-in-ftd/>
21. **Onyike C.** "Psychosis is more common than previously thought in frontotemporal dementia". 3 Aug 2015. FTD Talk. <http://www.ftdtalk.org/psychosis-is-more-common-than-previously-thought-in-frontotemporal-dementia/>
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FUNDING

EXTRAMURAL Funding

- | | |
|-------------|---|
| 04/18–03/23 | Neural bases of recovery of language in the first year after stroke
NIH/NINDS
\$445,040
PI: A. Hillis-Trupe
Role: Investigator, 5% |
| 02/18–04/19 | A study to model rates of change on neuropsychological test measures in subjects diagnosed with behavioral variant frontotemporal dementia and healthy subjects
Biogen, Inc
\$127,341
Role: PI, 1% |
| 01/18–09/21 | A phase 2 clinical trial of intranasal oxytocin for frontotemporal dementia
Lawton Health Research Institute (CIHR/Weston Brain Institute)
\$44,350
Role: PI, 1% |
| 09/17–08/18 | Early-Onset Alzheimer Disease Consortium
Indiana University (NIH)
\$21,552
Role: PI, 1% |
| 09/17–06/22 | Clinical Trial Readiness for SCA1 and SCA3
Houston Methodist (NIH)
\$112,746
PI: T. Ashizawa (Houston Methodist)/L. Rosenthal (Johns Hopkins)
Role: Johns Hopkins Co-PI, 5% |
| 09/17–06/22 | Recovery of Affective Prosody after Stroke
1R01DC015466-01
NIH/NIDCD
\$424,728
PI: A. Hillis-Trupe
Role: Investigator, 5% |
| 09/16–06/20 | Partnership for Magnetic Resonance Spectroscopy Biomarker Development.
1R01NS056307-07 |

NIH/NINDS
\$73,287
PI: G. Oz (University of Minnesota)
Role: Investigator, 5%

10/14–07/19 Advancing Research and Treatment Frontotemporal Lobar Degeneration (ARTFL)
1U54NS092089-01
NIH/NINDS
\$135,000
PI: A. Boxer (UCSF)
Role: Johns Hopkins PI, 1%

08/14–05/19 Biomarkers of Cognitive Decline Among Normal Individuals: The BIOCARD Cohort
2U19AG033655-06
NIH/NINDS
\$2,066,224
PI: M. Albert
Role: Investigator, 5%

Pending

09/19–08/22 Defining trajectories of dynamic biomarkers for C9ORF72
UCSF (NIH)
\$76,319
Role: PI, 5%

07/18–06/21 Clinical Research Consortium for the Study of Cerebellar Ataxias
National Ataxia Foundation
Role: PI, 0.5%

07/16–06/20 Transcranial Direct Current Stimulation and language rehabilitation in Alzheimer's Disease
NIH/NINDS
\$892,348
PI: K. Tsapkini
Role: Investigator, 5%

Previous

01/17–06/18 Clinical Research Consortium for the Study of Cerebellar Ataxias
National Ataxia Foundation
\$10,000
Role: PI, 0.5%

09/16–01/17 Automatic Cerebellar MRI Labeling in Health and Disease.
1R01NS056307-07
NIH/NINDS
\$215,978
PI: J. Prince
Role: Investigator, 3%

03/14–09/16 A Double-Blind, Placebo-Controlled, Randomized, Parallel Group, 12-Month Safety and Efficacy Trial of leuco-methylthioninium bis-hydromethanesulfonate (LMTM) in Subjects with Behavioral Variant Frontotemporal Dementia (bvFTD)
TauRx 237-007
Tau Therapeutics
\$138,264
Role: PI, 1%

09/13–01/16 Automatic Cerebellar MRI Labeling in Health and Disease.
1R01NS056307-07
NIH/NINDS
\$215,978
PI: J. Prince
Role: Investigator, 8%

02/10–06/14 Flutemetamol Imaging to Predict Progression in MCI
NIH/NINDS
PI: M. Albert
Role: Investigator, 5%

12/07–08/12 A Prospective, Randomized, Multi-center, Double-blind, 26-week Placebo-Controlled Trial of
Memantine for the Frontal and Temporal Subtypes of Frontotemporal Dementia
NAM-53
Forest Pharmaceuticals, Inc.
\$170,560
PI: A. Boxer (UCSF)/C. Onyike
Role: Johns Hopkins PI, 3%

02/10–08/11 Brain imaging and biomarker tests for the early identification and treatment of Alzheimer’s disease
ADNI-024
NIH/NINDS
PI: M. Albert
Role: Investigator, 5%

07/06–04/11 Predictors of Severity in Alzheimer’s Disease (the PREDICTORS study)
5R01AG07370-08
NIA
\$110,556
PI: Y. Stern (Columbia U.)/J. Brandt
Role: Co-investigator, 4%

07/08–03/10 ADRC – Cognitive and Behavioral Syndromes Associated with Amyotrophic Lateral Sclerosis and
Frontotemporal Dementia (Supplement to Promote Diversity in Health-Related Research)
5P50AG05146-22
NIA
\$319,317
PI: D. Price/C. Onyike
Role: Project PI, 75%

09/07–05/08 Prevention of Alzheimer’s Dementia and Cognitive Decline
U01AG15477-01A2
NIA
\$908,884
PI: J. Breitner
Role: Investigator, 10%

07/05–06/08 Dementia and Psychiatric Disorders in Assisted Living
2R01MH060626-03A1
NIMH
\$2,119,155
PI: C. Lyketsos/A. Rosenblatt
Role: Investigator, 30%

09/02–08/07 Progression of Dementia: a Population Study
R01AG/MH21136
NIA/NIMH
\$2,119,155
Role: Investigator, 14%

06/03–02/05 Depression in Alzheimer Disease Study II
1U01MH066136-01A1
NIMH
\$471,964
PI: C. Lyketsos
Role: Investigator, 5%

07/03–06/05 Center for Research on Services for Severe Mental Illness

2P50MH43703
NIMH
\$921,590
PI: D. Steinwachs/G. Jayaram (sub-contract)
Role: Investigator, 3.5%

07/00–06/02 National Research Service Award – Psychiatric Epidemiology Training Program
T32MH14592
NIMH
PI: W. Eaton
Role: Post-doctoral trainee, 100%

07/96–06/97 National Research Service Award – Training in cellular and integrative neuroscience
T32NS007375-02S1
NINDS
PI: D. Weinreich (University of Maryland at Baltimore)
Role: Post-doctoral trainee, 100%

08/95–06/96 Nonassociative and associative neuroplasticity
R01MH055880-01
NIMH
PI: T.W. Abrams (University of Maryland at Baltimore)
Role: Post-doctoral trainee, 100%

Clinical Extramural Funding

02/11– HRSA Ryan White Part D Award
\$1,044,716
PI: G. Treisman
Role: Clinician

Philanthropic Extramural Funding

12/16 Joseph V. Trovato Gift – Support for geriatric psychiatry and neuropsychiatry research
\$137,500
PI: C. Onyike

06/16– Nancy H. Hall Memorial Fund for Geriatric Psychiatry – Support for young-onset dementia research
\$100,000/year
PI: C. Onyike

06/2015 Craig and Stacy Becher – Geriatric Psychiatry/Neuropsychiatry Clinic space and program development
\$300,000
PI: C. Onyike

07/13–06/18 Jane Tanger Black Fund for Young-Onset Dementia
\$450,000
PI: C. Onyike

06/10–05/16 Hall Family – Support for young-onset dementia research
\$100,000/year
PI: P. Rabins/C. Onyike

INTRAMURAL Funding

Research Intramural Funding

07/15–08/18 JH ICTR – Support for ARTFL
Use of facilities and support for MRI scans (\$39,000 over 5 years).
Role: PI

CLINICAL ACTIVITIES

Clinical Focus

I am a board-certified psychiatrist and have nearly two decades of specialist experience in neuropsychiatry and geriatric psychiatry. I have expertise in the ambulatory and hospital care of patients with a variety of neuropsychiatric disorders, including dementias, ALS, primary and secondary psychoses, HIV, addictions, movement disorders, epilepsy, stroke, head

trauma, brain cancers (post-treatment), and neurodevelopmental disorders. The JH Young-Onset Dementias program I founded in 2008 is one of the largest in the US, and I am nationally and internationally recognized as an expert in the field.

Certification

Medical, other state/government licensure

2000–present Maryland # D0056293

Boards, other specialty certification

1995 Education Commission for Foreign Medical Graduates, #0-542-485-8
2004 American Board of Psychiatry and Neurology, #53426

Clinical (Service) Responsibilities

2002– Psychiatry inpatient units, attending, average 4–5 months each year (7 months in 2011–2012).
2002–2008 Johns Hopkins Neuropsychiatry clinic, attending, two days each week.
2008– Johns Hopkins Neuropsychiatry clinic (the Frontotemporal Dementias and Young Onset Dementias Clinic), attending, 1 day each week.
2010 Faculty and Staff Assistance Program, attending, 1 day each week.
2010– Moore HIV/AIDS Psychiatry Clinic, attending, ½ day each week.
2014– Johns Hopkins Memory and Alzheimer's Treatment Center (MATC), attending, ½ day per month.

Clinical Productivity

The JH Frontotemporal Dementias and Young-Onset Dementias Clinic is one of the largest programs for FTD and for young-onset dementias in the US. This clinic focuses on the care of patients with FTD and other dementias that develop in midlife or younger. There are about 240 visits each year (about 70 are new patient visits). The clinic generates about 100 referrals per year to the Medical Psychology Division. The clinic also makes referrals to the cognitive neurology clinic run by Dr. Argye Hillis, which sees nearly 100 patients with primary progressive aphasia each year (65% are FTD variants, others young-onset AD variants) and the Atypical Parkinsonism clinic directed by Dr. Alex Pantelyat.

Clinical Draw from outside local/regional area

Patients visit from all over the Northeastern US, as well as from the Midwestern and Southern US, Canada, the Caribbean, Central and South America, and the Middle East.

Clinical Program Building / Leadership

2000–2005 **Psychiatry Emergency Service.** Attending/director. Managed consultation services rendered to the emergency medicine physicians, oversaw the training experiences of medical students and residents, and managed relationships with State and City Mental Health agencies. Program building activities included: implementing analysis of information and throughput bottlenecks for the Psychiatric Emergency Service; developing database for quality control activities. Co-founded the Emergency Medicine and Psychiatry Clinical Operations Group (a leadership collaborative for managing frontline workflow problems), and started a research collaboration with emergency medicine that resulted in a peer-reviewed paper (page 2, #6, 116 citations). Represented the Psychiatry department in the institution committee tasked with Emergency Department space design and programming (for the Zayed Towers). Led, with Pat Sullivan, RN, the design and programming of the Psychiatric Emergency Service.

2006– **Frontotemporal Dementia and Young-Onset Dementias Clinic.** Director. The Johns Hopkins Frontotemporal Dementias and Young-Onset Dementias Clinic is among the leading programs for young-onset dementias in the US, with about 240 visits each year (about 70 new patient visits). We offer carer counseling, case management, and liaison with residential care facilities. A Baltimore-area FTD support group we sponsored jointly with the local Alzheimer's Association has operated since 2004, and another affiliated support group started several years ago in Montgomery County, Maryland. From 2007–2012, the clinic and the Alzheimer's Association jointly sponsored a community education program focused on young-onset dementias and early stage dementia; this program continues as the 'Alzheimer's Association Annual Dementia Conference: Making Connections' (with an annual average attendance of 400–500).
The clinic is closely linked to the Memory and Alzheimer's Treatment Center at JHBMC, the Cognitive Neurology and Atypical Parkinsonism clinics at JHH, the Johns Hopkins ADRC, and the Johns Hopkins Brain Resource Center – which holds brain tissue and neuropathologic data from over 200 of our FTD cases, one the largest collections in the US. Our clinic provides a strong platform for FTD clinical research, participating in all multicenter clinical trials in the US and several other multicenter research collaborations. Since 2008, the clinic has been a training site for postdoctoral fellows in neuropsychiatry, Geriatric Psychiatry, Movement Disorders Neurology, and Geriatric Medicine.

- 2009–2011 **Neuropsychiatry Service.** Attending physician and service leader. Led team in developing service mission, and in development of plans focused on performance targets for quality, efficiency, resource utilization, and patient satisfaction.
- 2011– **Geriatric Psychiatry/Neuropsychiatry Service.** Attending physician. Leadership role in performance improvement efforts focused on quality, efficiency, resource utilization, patient safety, and patient satisfaction.

EDUCATIONAL ACTIVITIES

Educational Focus

My teaching focuses on neuropsychiatry and involves several levels. The first teaching and mentoring students, graduate students, residents, and post-doctoral fellows in research. Several of my undergraduate students who have gone on to M.D. or Ph.D. programs, and post-doctoral training. I give grand rounds and research lectures on young-onset dementias and their treatment within Hopkins and at other institutions, and public education in dementia in collaboration with the JH ADRC, JH Memory and Alzheimer's Treatment Center, the Alzheimer's Association of Greater Maryland, the Copper Ridge Institute, other local institutions, and local faith communities. I provide clinical supervision of medical students, residents, and advanced practice nurses, in the Division of Geriatric Psychiatry and Neuropsychiatry. I provide teaching to primary physicians, and psychiatry, neurology, geriatric medicine specialists, through case reports, invited reviews, book chapters and monographs (see RA #1, 4, 5, 7 and BC #1-11).

Teaching

Classroom instruction

- 2000–2004 Topical lectures in Emergency Psychiatry, lecturer, lecture series on key topics: acute psychosis, the violence patient, suicidal states, acute intoxication, psychosocial crises, risk management (including de-escalation, tranquilization, restraint procedures and policies, 'duty to warn' and hierarchy of dispositions), process benchmarks (efficiency, throughput, timely dispositions). Monthly lectures from September to June to all psychiatry house staff, Johns Hopkins School of Medicine (JHSOM).
- 2001–2004 Introductory lectures in Emergency Psychiatry, lecturer, focused on evaluation techniques and processes, case acuity and dangerousness, and interventions (psychological, pharmacologic, de-escalation, tranquilization and aftercare) given in June and July each year to PGY-2 psychiatry house staff, JHSOM.
- 2002– Annual Medical Student Seminars in Psychiatry, preceptor, 4–6 week intensive course (March/April), JHSOM.
- 2002–2005 Introductory lectures in Religion, Spirituality and Psychiatry, co-director (with Dr. William Breakey) and lecturer, series on key topics: introduction to concepts of spirituality and religiousness, phenomenology of religious experience, assessment of spirituality during psychiatric evaluation, psychological crises arising from spiritual conflict, differential diagnosis of spiritual/religious phenomena in practice, pastoral interventions and their interface with psychiatric care and spiritual wellness and psychiatric outcomes. Six lectures each year given monthly to the PGY-3 Psychiatry house staff, JHSOM.
- 2003–2004 Emergency-Medicine Psychiatry Clinical Conference, co-director (with Dr. Michael Londner, Clinical Director of Emergency Medicine) and lecturer. An interdepartmental teaching conference focused on key topics: acute psychosis, the violence patient, suicidal states, acute intoxication, psychosocial crises, risk management (including de-escalation, tranquilization, restraint procedures and policies, 'duty to warn' and hierarchy of dispositions), process benchmarks (efficiency, throughput, timely dispositions), given to all Emergency Medicine house staff and PGY-3 Psychiatry house staff on rotation, JHSOM.
- 2003–2007 Lecture in Dementia, lecturer, introductory dementia lecture for the medical student psychiatry clerkship rotation, given 3–4 times each year, JHSOM.
- 2007– Cognition, Aging and Neurodegenerative Disease (330.802.01), guest lecturer on the frontotemporal dementias and related disorders, given to graduate students and fellows, JHSOM/Bloomberg School of Public Health.
- 2009– Lectures in frontotemporal dementia and related disorders, guest lecturer, month-long series with one overview lecture, a case presentation and discussion, a research paper review, and a research presentation, for post-doctoral fellows in neuropsychiatry, JHSOM.
- 2009– Lecture in Dementia, lecturer, an introductory dementia lecture for the medical student psychiatry clerkship rotation, given 3–4 times each year, JHSOM.
- 2010– Lecture in non-Alzheimer dementias, lecturer, one lecture per year given to PGY-II psychiatry residents, JHSOM.
- 2014– Lecture in dementia, lecturer, one lecture per year given to PGY-III psychiatry residents, JHSOM.
- 2015– Medical Tutorial in neuropsychiatry (ME.990.159) for undergraduates. Introduces neuropsychiatry practice and research, and gives hands-on experience with formulating research questions, psychometric

methods, data collection/management, data analysis and research writing. A semester long course offered twice/year, Johns Hopkins University.

2016–present Lecture in dementia and neuropsychiatry, given to Neurology residents, JHSOM.

Clinical instruction

2002–2003 Attending physician, to residents/medical students, JH Inpatient Eating Disorders Unit, 4 weeks.
2002–2005 Attending physician, to residents/medical students, JH Psychiatry Emergency Service, 52 weeks.
2002–2011 Attending physician, to residents/medical students, JH Inpatient Neuropsychiatry Unit, 12–24 weeks.
2002–2011 Attending physician, to residents/medical students, JH Inpatient Geriatric Psychiatry Unit, 4–8 weeks.
2002– Attending physician, to fellows/residents/medical students, JH Neuropsychiatry Clinics, 1 day/week, 52 weeks.
2004–2006 Attending physician, to residents/medical students, JH Inpatient Intensive Treatment Unit, 4 weeks.
2010–2011 Attending physician, to residents/medical students, JH Inpatient Schizophrenia Unit, 8 weeks.
2010–2011 Attending physician, to residents/medical students, JH Eating Disorders Unit, 8 weeks.
2011–2013 Attending physician, to residents/medical students, JH Inpatient Intensive Treatment Unit.
2011–2015 Attending physician, to fellows/residents/medical students, JH Geriatric Psychiatry/Neuropsychiatry services (inpatient and day hospital), 8–16 weeks.
2015– Attending physician, to fellows/residents/medical students, JH Geriatric Psychiatry/Neuropsychiatry services (inpatient and day hospital), 16 weeks.

CME instruction

JHMI/Regional

02/03 **Lecture** to JH Psychiatry and Emergency Medicine faculty and residents; New Strategies for the Pharmacologic Management of Agitation, “Management of Agitated and Aggressive Patients”, Johns Hopkins.
03/03 **Lecture** to physicians, nurses, social workers and other health providers involved in dementia care in Maryland; 9th Update on Alzheimer Disease and Related Disorders, lecturer, “Apathy – Evaluation and Management of this Troubling Syndrome”, Johns Hopkins.
03/07 **Lecture** to physicians, nurses, social workers and other health providers involved in dementia care in Maryland; 13th Update on the Treatment of Alzheimer Disease and Related Disorders, “Update on Frontotemporal Dementia: What is the Standard of Care?” Johns Hopkins.
04/09 **Lecture** to physicians, nurses, social workers and other health providers involved in dementia care in Maryland; 15th Update on the Treatment of Alzheimer Disease and Related Disorders, “Case Studies in Frontotemporal Dementia”, Johns Hopkins.
04/10 **Lecture** to physicians, nurses, social workers and other health providers involved in dementia care in Maryland; 16th Update on the Treatment of Alzheimer Disease and Related Disorders, “Case Studies in Sexuality in Dementia”, Johns Hopkins.
04/11 **Lecture** to physicians, nurses, social workers and other health providers involved in dementia care in Maryland; 17th Update on the Treatment of Alzheimer Disease and Related Disorders, “Frontotemporal Dementia”, Johns Hopkins.
10/13 **Lecture** to physicians, nurses and social workers; Mood Disorders and Neurodegenerative Disorders, “Neurodegenerative Disorders & Mood Disorders: Clues to Underlying Neurodegenerative Disease”, Brooklane Mental Health Services, Hagerstown, Maryland.
03/17 **Lecture** to neuroradiologists and nuclear physicists; Enhance Patient Care with Nuclear Medicine and Molecular Imaging, “Current Dementia Management”, Johns Hopkins.

National

10/02 **Lecture** to psychiatrists and other providers specialized in mental health services practice and research; Psychiatric Vectors of HIV Infection, “Psychiatric Care of Patients with HIV and HCV Co-infection”, 54th Institute on Psychiatric Services American Psychiatric Association.
11/03 **Lecture** to specialists in consultation-liaison psychiatry; Frontal-Subcortical Syndromes – Neuroanatomy, Clinical Manifestations and Treatment; “Clinical manifestations of Executive Dysfunction Syndrome”, 50th Meeting of the Academy of Psychosomatic Medicine.
11/03 **Lecture** to specialists in consultation-liaison psychiatry; Frontal-Subcortical Syndromes – Neuroanatomy, Clinical Manifestations and Treatment, lecturer, “Apathy in dementia”, 50th Meeting of the Academy of Psychosomatic Medicine.
02/04 **Lecture** to specialists in geriatric psychiatry; Aging, Bypass and Brain Disease: Effects on Cognition, Disability and Apathy, “Apathy and Aging in Brain Disease”, 17th Meeting of the American Association for Geriatric Psychiatry.

- 11/04 **Lecture** to specialists in consultation-liaison psychiatry; Another Setting for Collaborative Care: Psychiatric Care in Assisted Living Environments, moderator and lecturer, “Psychiatric Care in Assisted Living Environments”, 51st Meeting of the Academy of Psychosomatic Medicine.
- 11/05 **Lecture** to clinicians and researchers in the gerontology, geriatric medicine, geriatric neurology and geriatric psychiatry; Mental Health Status in Assisted Living: Epidemiology, Outcomes and Interventional Strategies, “Mental Disorders in Assisted Living: A Public Health Perspective”, 58th Meeting of the Gerontological Society of America.
- 03/06 **Lecture** to specialists in geriatric psychiatry; Persistence and Clustering of Neuropsychiatric Symptoms in Dementia, “Implementing Interventions for Neuropsychiatric Syndromes in Dementia”, 19th Meeting of the American Association for Geriatric Psychiatry.
- 05/06 **Lecture** to psychiatrists; The African Diaspora: Identifying and Eliminating Barriers to Mental Health, “Recruitment of Minorities into Clinical Trials in Neuropsychiatry: the ADAPT experience”, 159th Meeting of the American Psychiatric Association.
- 03/07 **Lecture** to specialists in geriatric psychiatry; Behavior Problems in Assisted Living: Towards a Comprehensive Solution, “Patterns of Psychotropic Medicine Use in Assisted Living: The Maryland Assisted Living Study”, 20th Meeting of the American Association for Geriatric Psychiatry.
- 11/07 **Session moderator and lecturer**, for clinicians and researchers in the gerontology, geriatric medicine, geriatric neurology and geriatric psychiatry; Sexuality and Sexual Expression in Assisted Living and Long Term Care: Attitudes, Policies and Interventions, “Sexual Behavior and Dementia Type: Is there a Relationship?” 60th Meeting of the Gerontological Society of America.
- 05/13 **Course co-director and lecturer**, for psychiatrists; Neurodegenerative Disorders Presenting as Psychiatric Disorders in The Mental Health Setting, “Neurodegenerative disease mimicking psychiatric disorders: Red flags”, 166th Meeting of the American Psychiatric Association.

International

- 08/2016 **Lecture** to specialists and investigators; An analysis of the trajectories of illness severity measurements in behavioral variant frontotemporal dementia, 10th International Conference on Frontotemporal Dementia.

Workshops / seminars

National

- 12/04-03/05 Training Instructor, Maryland Disaster Mental Health Volunteer Corps, field sites in Maryland.

Mentoring

Pre-doctoral Advisees / Mentees

- 2003–2004 Sarah Nayeem, MD, currently faculty, Institute for Family Health, New York, NY. Awarded MD degree (Georgetown University) in 2004, completed residency in psychiatry at the University of Chicago, and fellowship in Child Psychiatry at Johns Hopkins.
- 2008–2012 Stephanie Kielb, PhD trainee in Psychology at Northwestern University since July 2012. Awarded BSc. in Public Health with honors (2010); MHS in Mental Health, Bloomberg School of Public Health (2011).
- 2011–2013 Weiyi Mu, MSc, currently clinical/research genetic counselor in the Johns Hopkins Institute of Genetic Medicine. Awarded MSc degree in Genetic Counseling; co-authored two posters.
- 2014–2017 Elsheba Abraham, currently PhD student in Industrial Psychology at Virginia Commonwealth University. Co-authored three posters.
- 2014– Ashaa Rao, currently in Public Health at JHU. Co-authored three posters.
- 2015– Somya Abubucker, currently final year MD student, Johns Hopkins.
- 2016–2017 Hannah Paul, currently in Biology at University of Maryland at Baltimore County.
- 2016– Anne Zappas, currently senior at Towson High School.
- 2017–2018 Mallory Blackwood, research assistant, Division of Medical Psychology, JHU.
- 2017– Michael Margron, student, Neuroscience, JHU.

Post-doctoral Advisees / Mentees

- 2003–2006 Cheryl Person, MD, currently Assistant Professor of Psychiatry, University of Texas Medical School at Houston. Post-doctoral fellow in psychiatry epidemiology; Chaired the Maryland Psychiatric Society Disaster Psychiatry Committee (2005–2010).
- 2007–2018 Kelly Sloane, currently Neurology Resident at Johns Hopkins. Honors: JHU Medical Student Summer Research Award (2010), American Academy of Neurology Podium Presentation (2011), Sol Goldman Prize in Geriatric Medicine (2014); MD degree, Johns Hopkins, awarded 2014. Co-authored several posters and four peer-reviewed papers (OR #26, 30, 32, 34).

- 2009–2011 Etheldreda Nakimuli-Mpungu, MD, PhD. Currently Senior Lecturer in Psychiatry at Makerere University, Uganda. Awarded PhD in Epidemiology, Bloomberg School of Public Health, 2012. Co-author, one peer-reviewed paper (OR #24).
- 2010–2016 Kalyani Kansal, currently PhD student in Mathematics at Johns Hopkins. Formerly, postdoctoral fellow in clinical neurosciences and the Jane Tanger Black Scholar in Neuropsychiatry, under my mentorship. Student research internship in neuropsychiatry at JHM (under my preceptorship); research internship in Behavioral Neuroscience and Neuroimaging (2011–2012) at Massachusetts General Hospital (preceptor Brad Dickerson, MD); MD degree, Government Medical College in Chandigarh, India, awarded May 2013. Co-authored several posters and five peer-reviewed papers (OR #34, 35, 36, PR #1, 2).
- 2012–2013 Campbell Sullivan, PsyD, Assistant Professor of Neurology, University of Texas Health Science Center, San Antonio. Post-doctoral fellowship in Neuropsychology. Co-authored several research posters and presentations at national and international meetings.
- 2012–2014 Bhargavi Devineni, MD, Faculty, Department of Psychiatry, Long Island Jewish Medical Center. Post-doctoral fellowship in Neuropsychiatry at JHM. Co-authored one peer-reviewed paper (RA #5).

Thesis committees

- 2011 Etheldreda Nakimuli-Mpungu, PhD Epidemiology. Dissertation committee member.
- 2013 Weiyi Mu, MSc Genetic Counseling. Thesis committee member.

RESEARCH ACTIVITIES

Research Focus

My work is focused on the epidemiology and neuropsychiatry of FTD, young-onset AD and other youth and midlife degenerative dementias. Specific interests are the heterogeneity of phenotypes, natural history and moderators of disease evolution, phenotype-pathology correlations, psychometric and physiological measurement and monitoring of phenotypes, treatment development and clinical trials. Ongoing work includes a multicenter observational study of sporadic and familial FTD, analysis of psychometric trajectories in the FTD phenotypes, blood and CSF biomarker studies of FTD and young-onset AD, phenotype-pathology correlation studies of FTD and PET ligand studies of neurotransmitters. I played pivotal roles in the development of consensus diagnostic criteria for FTD, apathy in neuropsychiatric disorders, and depression in AD, all widely used in research.

Research Program Building/Leadership

2006– Director, Frontotemporal Dementia and Young-onset Dementias program. The clinic (described on page 10) is linked to the Memory and Alzheimer's Treatment Center at JHBMC, the Cognitive Neurology and Atypical Parkinsonism clinics at JHH, the Johns Hopkins ADRC, and the Johns Hopkins Brain Resource Center – which holds brain tissue and neuropathologic data from over 200 clinically characterized FTD cases (and related syndromes), one the largest collections in the US. Our research activities have been partially supported NIH funds, and by philanthropic gifts – one commitment has established the Jane Tanger Black Fund for Young-Onset Dementias Research and the Jane Tanger Black Scholarships in Clinical Neuroscience, and others from the Robert Hall family and the Samuel Newhouse Foundation have provided substantive annual support. The clinic has provided the platform for collaboration on the major FTD clinical trials conducted in the US to date, and other multicenter collaborations. The brain resource facilitates phenomenological and phenotype-pathology correlation studies (see OR #25, 30 and 32, for examples). Since 2008, our program has served as a training site for clinical and research post-doctoral fellows in neuropsychiatry, Geriatric Psychiatry, Movement Disorders Neurology, and Geriatric Medicine. Former trainees include Brian Appleby, Associate Professor, Psychiatry and Neurology, Case Western; Sarah Tighe, Assistant Professor, Psychiatry, University of Iowa; Liana Rosenthal, Assistant Professor, Neurology, and director, JH Ataxia Center; Shawn Smyth, Parkinson's and Movement Disorders Center of Maryland; and Jee Bang, fellow, Movement Disorders Neurology, UCSF. The clinic has also trained research and advanced practiced nurses, and nursing and social work trainees.

Inventions, Patents, Copyrights

- 07/2008 **Onyike CU**. The Dementia Disability Rating: Instrument for measuring severity and stage of illness frontotemporal dementias and other primary dementias. # pending.

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation and Quality Improvement efforts within JHMI:

2002–2005 Director, Psychiatric Emergency Services (50% effort); Psychiatry-Emergency Medicine Clinical Operations Committee, in the Emergency Department, a clinical leadership group for rapid collaborative management of day-to-day frontline workflow problems pertaining to psychiatric emergencies.

System Innovation and Quality Improvement efforts outside of JHMI:

2010 Services for Individual's with Alzheimer's Disease and Related Disorders. Report of the Maryland Workgroup on Services for Individuals with Alzheimer's Disease and Related Disorders, submitted to the State Senate Budget and Taxation Committee and the House Appropriations Committee on December 9, 2010. Roles: workgroup member and contributor to final report.

2012 Maryland State Plan on Alzheimer's Disease and Related Disorders. Report of the Virginia I. Jones Commission on Alzheimer's Disease and Related Disorders, submitted to the State Governor on January 7, 2013. Roles: commission member, Co-chair of Resources Committee, and co-author of final report.

2013 Alzheimer' Disease-Related Dementias: Research Challenges and Opportunities. Conference and Recommendations Report to the NINDS Council, 12 September 2013. Role: workgroup member and contributor to final report.

System Innovation and Quality Improvement Program Building/Leadership:

2000–2005 Directed the Psychiatry Emergency Services. Co-founded and co-directed (with Dr. Michael Londner, then Clinical Director of Emergency Medicine. Also collaborated with Dr. Londner to develop a research team to study Emergency Department volumes, throughput and information bottlenecks. Engaged in multicenter research collaborations in psychiatric emergency services, serving in steering committee and co-investigator roles. Established a seminar series in psychiatric emergencies for Emergency Medicine residents, and worked with Dr. Geetha Jayaram, then the Department of Psychiatry's Physician Advisor, to establish a monthly Morbidity and Mortality Conference for psychiatry faculty and residents.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

1998–2000 Psychiatry Residency Recruitment Committee

2002–2005 Co-Chair, Emergency Medicine–Psychiatry Clinical Operations Committee

2002–2006 Johns Hopkins University Mental Health Disaster Planning/Implementation Committee

2003–2005 Emergency Department Benchmark Programming Committee

2003–2007 Psychiatry EPR Access Implementation Committee

2005–2008 Psychiatry Diversity Committee

2012–2015 Psychiatry Electronic Medical Records Committee

2013–2015 Psychiatry Philanthropic Development Committee

2015– Psychiatry Research Conference Committee

2015– Psychiatry Cross-Campus Integration Committee

2016– Psychiatry Fellowship Leadership Committee

2016– Johns Hopkins MHICARE Advisory Group

2017– Co-Chair, Psychiatry Underrepresented In Medicine Task Force

Editorial Activities

Editorial Board appointments

2006 International Review of Psychiatry, Associate guest editor, 2006 issue on cerebrovascular disease and psychiatry

2012–2013 International Review of Psychiatry, Guest editor, 2013 issue on frontotemporal dementia

2012– Editorial Board, F1000Research

2014–2015 Psychiatric Clinics of North America, Guest editor, 2015 issue on young-onset dementia

Journal peer review activities

Alzheimer's and Dementia; Brain; American Journal of Psychiatry; Biological Psychiatry; Neurology; Annals of Neurology; American Journal of Geriatric Psychiatry; JAMA Neurology; JAMA Psychiatry; International Psychogeriatrics; Alzheimer Disease and Associated Disorders; Dementia and Geriatric Cognitive Disorders; Journal of Alzheimer Disease; Journal of Neuropsychiatry and Clinical Neurosciences; American Journal of Alzheimer's Disease and Other Dementias; American Journal of Epidemiology; Neuroepidemiology; Behavioural Brain Research; International Journal of Geriatric Psychiatry; International Review of Psychiatry; Journal of Neurology, Neurosurgery and Psychiatry; Journal of Psychiatry Research; Brain and Language; Brain and Behavior; PLoS One; Behavioral Neurology; Cognitive and Behavioral Neurology; Alzheimer's Research and Therapy; Journal of Neurology; Journal of the Neurological Sciences; BMC Neurology; General Hospital Psychiatry; Journal of Clinical Psychiatry

Other peer review activities

- 2007– Ad hoc Reviewer, Investigator-Initiated Research Awards, Alzheimer’s Association.
- 2009– Faculty of 1000 (F1000) Medicine, Cognitive Neurology Section.
- 2015 International Reviewer, Interdisciplinary Capacity Enhancement Awards, Health Research Board of Ireland.
- 2015 External Reviewer (for Neurological Disorders), Disease Control Priorities, 3rd Edition, sponsored by the Bill and Melinda Gates Foundation, the Interacademy Medical Panel, and the Institute of Medicine.

Advisory Committees, Review Groups/Study Sections

- 2002 American Association for Community Psychiatry/Commission on Mental Health Services Collaborative Group on Disaster Psychiatry.
- 2007– International Frontotemporal Dementia Criteria Consortium.
- 2007–2014 Board of Directors, Alzheimer’s Association of Greater Maryland.
- 2007–2014 Medical and Scientific Advisory Board, Alzheimer’s Assoc. of Greater Maryland.
- 2010–2011 State of Maryland Workgroup on Services for Individuals with Alzheimer's Disease and Related Disorders.
- 2011– Frontotemporal Dementia Treatment Study Group.
- 2012–2013 Maryland Governor’s Virginia I. Jones Commission on Alzheimer’s Disease and Related Disorders.
- 2012– Association for Frontotemporal Degeneration (AFTD) Medical Advisory Council.
AFTD Pilot Grant Award Review Panel 2013, 2016–.
AFTD Postdoctoral Research Fellowship Scientific Review Panel 2016–.
- 2013 NIA/NINDS Health Disparities Committee, for the 2013 Alzheimer's Disease-Related Dementias Workshop.
- 2013–2017 State of Maryland Virginia I. Jones Alzheimer's Disease and Related Disorders Council
Member, subcommittee on screening and early detection in primary care 2013–2017.
- 2015– FDA Peripheral and Central Nervous System Drugs Advisory Committee.
- 2015–2016 NIA/NINDS Multiple Etiologies Dementia Committee, for the 2016 Alzheimer's Disease-Related Dementias Workshop.
- 2015– FTD Disorders Registry Scientific Advisory Board.
- 2016– Weston Brain Institute Review Committee.
- 2016– Alzheimer’s Therapeutic Research Institute Recruitment and Diversity Task Force.
- 2016 NIH/NINDS Clinical Trials (NSD-K) Study Section.
- 2016– Alzheimer’s Association Best Clinical Practice Guidelines (Best CPG) Working Group.
- 2017 FDA Blood Products Advisory Committee.

Professional Societies

- 1996–1999 Society for Neuroscience.
- 1997– American Psychiatric Association.
- 1997– Maryland Psychiatric Society.
- 1998–2004 American Medical Association.
- 2004– American Association for Geriatric Psychiatry.
- 2006– American Neuropsychiatric Association.
- 2006–2009 International Neuropsychological Society.
- 2007– International Society to Advance Alzheimer Research and Treatment.
Member, Neuropsychiatric Syndromes Professional Interest Area (NPS PIA) 2010–.
Chair, NPS PIA Work Group on Feeding Behaviors in Dementia 2011–2015
Member, NPS PIA Syndromes Research Awards Committee 2013–.
Member, Atypical Alzheimer’s and Associated Syndromes Professional Interest Area 2013–.
- 2008– World Federation of Neurology Work Group on Aphasia and Cognitive Disorders.
- 2011– Association of Nigerian Physicians in the Americas.
Member, Education Committee 2014–2015.
- 2012– International Society for Frontotemporal Dementias
Founding Member.
Member, Finance Committee 2013–.
Chair, Membership Committee 2016–.
Member, Executive Committee 2016–.
- 2013– American Academy of Neurology.
- 2013– Society for Behavioral and Cognitive Neurology.
- 2013– International Psychogeriatric Association.
Member, Young-Onset Dementia Initiative 2015–.

Conference Organizer

JHMI/Regional

2007–2012 **Co-Leader**, Alzheimer’s Association Annual Dementia Conference: Making Connections.

National

2015–2017 **Host**, 2017 AFTD Educational Conference.

International

2015 **Scientific Review Committee**, 2015 IPA International Congress, Berlin, Germany.

2015–2016 **International Advisory Committee**, 10th International Conference on Frontotemporal Dementia (ICFTD 2016), Munich, Germany.

2017 **Program Committee**, Medical Image Computing and Computer Assisted Intervention (MICCAI) Workshop and Challenge: ENIGMA Cerebellum (MICCAI 2017 Workshop & Challenge: Enigma Cerebellum), Quebec City, Canada.

2017–2018 **International Advisory Committee**, 11th International Conference on Frontotemporal Dementia (ICFTD 2018), Sydney, Australia.

2018 **Scientific Program Committee**, 11th International Conference on Frontotemporal Dementia (ICFTD 2018), Sydney, Australia.

Session Chair

JHMI/Regional

03/2006 **Moderator**, Freedom of Sexual Expression in Dementia: Clinical, Ethical and Legal Issues Related to the Sexual Behavior of People with Dementia, 12th Annual Update on the Treatment of Alzheimer Disease and Related Disorders, Johns Hopkins.

04/2009 **Panel moderator**, Living with Dementia, 15th Annual Update on the Treatment of Alzheimer Disease and Related Disorders, Johns Hopkins.

National

11/2004 **Moderator**, Another Setting for Collaborative Care: Psychiatric Care in Assisted Living Environments, 51st Annual Meeting of the Academy of Psychosomatic Medicine.

03/2006 **Chair**, Persistence and Clustering of Neuropsychiatric Symptoms in Dementia, 19th Annual Meeting of the American Association for Geriatric Psychiatry.

05/2006 **Co-Chair**, The African Diaspora: Identifying and Eliminating Barriers to Mental Health, 159th Annual Meeting of the American Psychiatric Association.

11/2007 **Moderator**, Sexuality and Sexual Expression in Assisted Living and Long Term Care: Attitudes, Policies and Interventions, 60th Annual Meeting of the Gerontological Society of America.

International

01/2017 **Chair**, International Conference on Frontotemporal Dementia in Asia, “FTD Cohorts in Asia”, Kolkata, India.

08/2017 **Discussion Leader**, 4th Gordon Research Conference on the Cerebellum: Novel Perspectives on Cerebellar Development, Physiology and Disease, “Mechanisms of Cerebellar Dysfunction in Psychiatric Disease”, Lewiston, USA.

Consultantships

2004–2005 Maryland Disaster Mental Health Volunteer Corps.

RECOGNITION

Awards, Honors

1998 APA/PMRTP Travel Award to the American College of Neuropharmacology

1999 APA/PMRTP Travel Award to the American Psychiatric Association

2000 Janssen Psychiatry Resident Award of Excellence

2015 Shirley Sohmer Award for Research from the JH School of Nursing

Invited Talks

JHMI/Regional

11/2001 Maryland Hepatitis Coalition Conference, “Mood Disorders as HCV Co-Morbidity – relationship of mood disorders to chemical dependency, chronic viral hepatitis and interferon therapy”, Frederick, Maryland.

09/2002 St. Joseph Hospital Grand Rounds, “Treatment of the Acute and Agitated Patient”, Towson, Maryland.

- 11/2002 Johns Hopkins Psychiatry Research Conference, “Is obesity associated with major depression – Findings from the third National Health and Nutrition Examination Survey (NHANES-III)”, Baltimore Maryland.
- 11/2002 Harbor Hospital Grand Rounds, “Pharmacotherapy of Major Depression in Medically Ill patients,” Baltimore, Maryland.
- 03/2004 JHU Psychiatry Grand Rounds, “Managing the Quality of Care in the Psychiatry Emergency Service”, Baltimore Maryland.
- 04/2005 Sheppard and Enoch Pratt Hospital Geriatric Psychiatry Rounds, “Apathy in Older Adults”, Towson, Maryland.
- 09/2006 Sheppard and Enoch Pratt Hospital Geriatric Psychiatry Rounds, “Vascular Dementia”, Towson, Maryland.
- 04/2007 Joint Conference on Guardianship, Elder Rights, and Disability Services (sponsored by the Virginia Department of Mental Health, Mental Retardation and Substance Abuse Services; the Virginia Guardianship Association; and the Virginia Coalition on Elder Rights), “Decision and Action Capacity in Dementia: Contexts, Assessments and Interventions”, Charlottesville, Virginia.
- 09/2007 **Keynote**, Mid Atlantic Chapter of National Association of Professional Geriatric Care Managers, “Autonomy, Participation and Care in the Neuropsychiatric Treatment of Elders”, Springfield, Virginia.
- 11/2007 Maryland Dementia Conference, University of Maryland Geriatrics and Gerontology Education and Research Program, the Alzheimer’s Association of Greater Maryland, and the Maryland Gerontological Association, “A Discussion of the Frontotemporal Dementias: What We Find and What We Do”, Catonsville, Maryland.
- 05/2008 Johns Hopkins Urban Clinicians Program, “Treatment of Dementia and its Behavioral Complications”, Baltimore, Maryland.
- 11/2009 5th Annual Pythias A. and Virginia I. Jones African American Community Forum on Memory Loss, “Dementia Update”, Coppin State University, Baltimore, Maryland.
- 01/2010 Speaker, JHU Psychiatry Grand Rounds, “Research and Practice in the Frontotemporal Dementias”, Baltimore, Maryland.
- 03/2010 Spring Grove Hospital Psychiatry Grand Rounds, “Practice and Research in the Frontotemporal Dementias”, Baltimore Maryland.
- 09/2011 Copper Ridge Institute Grand Rounds, “Treatment and Management of the Frontotemporal Dementias”, Sykesville Maryland.
- 12/2011 National Rehabilitation Hospital Special Seminar on Traumatic Brain Injury Rehabilitation, “Neuropsychiatric Syndromes following Head Trauma”, Washington DC.
- 04/2012 Sheppard and Enoch Pratt Hospital Neuropsychiatry Grand Rounds, “Frontotemporal Dementia”, Towson, Maryland.
- 04/2014 Annual Dementia Conference of the Alzheimer’s Association of Greater Maryland, “If It's Not Alzheimer's What is it? Understanding Related Disorders”, Towson, Maryland.
- 10/2014 Speaker, Suburban Hospital Grand Rounds, “Alzheimer Disease and its Treatments”, Bethesda, Maryland.
- 11/2014 Copper Ridge Institute Grand Rounds, “Management of Behavioral Symptoms in Frontotemporal Dementia”, Sykesville Maryland.
- 11/2014 Annual Dementia Conference of the Alzheimer’s Association of Delaware Valley, “Frontotemporal Dementia and its Treatments”, Dover, Delaware.
- 03/2015 JHU Psychiatry Grand Rounds, “Familial Frontotemporal Dementia”, Baltimore Maryland.
- 01/2016 JHU Neurology Grand Rounds, “Evaluation of Frontotemporal Dementia in Clinical Practice and Research”, Baltimore Maryland.
- 09/2016 Baltimore Genetics Group: Genetics and the Mind, “Genetics of Dementia”, Baltimore Maryland.
- 11/2016 JHU Psychiatry Grand Rounds, “Utility of psychometric tests for capturing change in the frontotemporal dementias”, Baltimore Maryland.
- 02/2017 Arden Courts of Kensington Dementia Education Seminar, “Caregiver conversations: a beacon of light on FTD research”, Kensington Maryland.
- 11/2017 13th Annual Pythias A. and Virginia I. Jones African American Community Forum on Memory Loss, “Update on Cognitive Decline and Dementia”, Coppin State University, Baltimore, Maryland.
- 03/2018 JHU Psychiatry Grand Rounds, “Alzheimer disease variations at different life stages (in adulthood, mid-life and later)”, Baltimore, Maryland
- 04/2018 Insight Memory Care Center Caregiver Bootcamp, “Dementia Overview”, Fairfax, Virginia

National

- 02/2007 Riverside Methodist Hospital Workshop, “Aging Matters: Advances in Dementia Diagnosis and Treatment”, Columbus, Ohio.
- 06/2008 **Keynote**, Annual Meeting of the Association for Frontotemporal Degeneration, “Frontotemporal Dementia Care and Research at the Johns Hopkins Hospital”, Baltimore, Maryland.
- 07/2008 Annual Convention of the National Medical Association, “Differential Diagnosis in Dementia Cases: A Neuropsychiatry Perspective”, Atlanta, Georgia.
- 09/2011 **Keynote**, Geriatric Advanced Practice Nurses Association, “Non-Alzheimer Dementias”, Washington District of Columbia.
- 11/2011 **Special lecture**, Annual Convention of the American Speech-Hearing-Language Association, “Diagnosis, Treatment and Rehabilitation of Non-Alzheimer Dementias”, San Diego, California.
- 05/2013 Alzheimer's Disease-Related Dementias: Research Challenges and Opportunities, “Disparities in Non-Alzheimer Dementias”, National Institutes of Health, Bethesda, Maryland.
- 09/2013 **Panel**, Congressional Black Caucus Foundation Annual Legislative Conference, “Healthy is the New Black”, Washington, District of Columbia.
- 07/2014 20th Association of Nigerian Physicians in the Americas Convention and Scientific Assembly, “Alzheimer’s Disease: Risk Factors and Management”, Anaheim, California.
- 07/2014 20th Association of Nigerian Physicians in the Americas Convention and Scientific Assembly, “The Elderly with Stroke: Mental Health Issues”, Anaheim, California.
- 10/2015 Neurology Grand Rounds, Penn State Milton S. Hershey Medical Center, “Diagnosis and Management of Frontotemporal Dementia”, Hershey, Pennsylvania.
- 03/2016 **Expert Panel**, Alzheimer's Disease-Related Dementias: Research Challenges and Opportunities, “Multiple Etiology Dementias”, National Institutes of Health, Bethesda, Maryland.
- 03/2017 **Special lecture**, University of Texas Health Science Center at San Antonio, “Developing a contemporary program for neurodegenerative disease practice and research”, San Antonio, Texas.
- 04/2017 Northwestern Alzheimer Disease Center Seminar, “Psychometric trajectories for FTD measurement”, Chicago, Illinois.
- 05/2017 **Opening lecture**, Association for Frontotemporal Degeneration Education Conference, “A clinical update and overview of FTD disorders”, Baltimore, Maryland.
- 03/2018 FTD Clinical Research Networks Panel, FTD Treatment Study Group 2018, “Designing FTLD Trials”, Washington, District of Columbia

International

- 03/2003 2nd International Conference on Viral Hepatitis, “Neuropsychiatric Manifestations of Interferon Therapy”, Biloxi, USA.
- 07/2009 19th meeting of the International Association for Geriatrics and Gerontology, “Measurement of Apathy and Neuropsychiatric Symptoms in Alzheimer Disease”, Paris, France.
- 11/2013 International Workgroup on Establishing Therapeutic Efficacy in Familial Frontotemporal Degeneration, “Strategies for increasing Global Research in Familial Frontotemporal Degeneration”, San Francisco, USA.
- 06/2015 5th International Research Workshop on Frontotemporal Dementia in ALS, “Epidemiology of Frontotemporal Dementia”, London, Canada.
- 01/2017 International Conference on Frontotemporal Dementia in Asia, “The Spectrum of FTD and its Global Variations”, Kolkata, India.
- 01/2017 International Conference on Frontotemporal Dementia in Asia, “Therapeutic Trials in FTD”, Kolkata, India.
- 07/2017 Alzheimer’s Association International Conference, “Alzheimer Disease at the Extremes of Age: Clinical Epidemiology, Diagnosis and Care” (in Alzheimer’s Disease in Extreme Ages: Oldest Old and in Young Adults, A Public Health Perspective), London, UK.