**Division of Geriatric Psychiatry**

**Department of Psychiatry, University of Pittsburgh School of Medicine**

**Faculty Publications: 2019**

Abrahamson EE, Head E, Lott IT, Handen BL, Mufson EJ, Christian BT, **Klunk WE**, Ikonomovic MD. Neuropathological correlates of amyloid PET imaging in Down syndrome. Dev Neurobiol 2019;79(7):750-766. PMID: 31379087 PMCID: PMC: 6892598 [Available on 2020-08-17] <https://www.ncbi.nlm.nih.gov/pubmed/31379087>

Alessi MG, **Szanto K**, **Dombrovski AY**. Motivations for attempting suicide in mid- and late-life. [Int Psychogeriatr.](https://www.ncbi.nlm.nih.gov/pubmed/29923479/) 2019 Jan;31(1):109-121. PMCID: 29923479 PMC6309291 [https://www.ncbi.nlm.nih.gov/pubmed/29923479](https://www.ncbi.nlm.nih.gov/pubmed/29923479/)

Albert SM,King J, Anderson S, Dew MA, Zhang J,Stahl ST, **Karp JF**,**Gildengers AG, Butters MA, Reynolds CF.** Depression Agency-Based Collaborative (Dep-ABC): Effect of Problem Solving Therapy on Risk of Common Mental Disorders in Older Adults with Home Care Needs. Am J Geriatr Psychiatry. 2019 Jun;27(6):619-624 PMID: 30795944 PMCID: PMC6511292 [Available on 2020-06-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30795944>

**Andreescu C,** Aijilore 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. Am J Geriatr Psychiatry. 2019 Dec;27(12):1316-1330. PMID: 31477459 PMCID: PMC6842700 [Available on 2020-12-01]

<https://www.ncbi.nlm.nih.gov/pubmed/?term=31477459>

Barroeta-Espar I, Weinstock LD, Perez-Nievas BG, Meltzer AC, Siao Tick Chong M, Amaral AC, Murray ME, Moulder KL, Morris JC, Cairns NJ, Parisi JE, Lowe VJ, Petersen RC, Kofler J, Ikonomovic MD, Lopez O, **Klunk WE,** Mayeux RP, Frosch MP, Wood LB and Gomez-Isla T. Distinct cytokine profiles in human brains resilient to Alzheimer's pathology. Neurobiol Dis. 2019 Jan; 121:327-337. PMID: 30336198 PMCID: PMC6437670 <https://www.ncbi.nlm.nih.gov/pubmed/30336198>

Beer JC, **Aizenstein HJ**, Anderson SJ, Krafty RT. (2019) Incorporating prior information with fused sparse group lasso: Application to prediction of clinical measures from neuroimages.  Biometrics. 2019 Dec;75(4):1299-1309. PMID: 31022303 PMCID: PMC6814453 <https://www.ncbi.nlm.nih.gov/pubmed/31022303>

Belnap BH, Anderson A, Abebe KZ, Ramani R, Muldoon MF**, Karp JF**, Rollman BL. Blended Collaborative Care to Treat Heart Failure and Comorbid Depression: Rationale and Study Design of the Hopeful Heart Trial. Psychosom Med. 2019 Jul/Aug;81(6):495-505*.* PMID: 31083056 PMCID: PMC6602832 [Available on 2020-07-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31083056>

Bingham KS, Whyte EM, Mulsant BH, Rothschild AJ, Rudorfer MV, Marino P, Banerjee S, **Butters MA**, Alexopoulos GS, Meyers BS, Flint AJ; STOP-PD Study Group. Health-related qulity of life in remitted psychotic depression. J Affect Disord. 2019 Sep 1; 256:373-379. PMID: 31207561 PMCID: PMC6822164 [Available on 2020-09-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31207561>

Buchalter, E, Ajam Oughli, H, Lenze, EJ,Dixon, D, Miller, JP, Blumberger, D, **Karp, J**, Reynolds, CF, Mulsant, BH. Predicting Remission in Late-Life Major Depression: A Clinical Algorithm Based upon Past Treatment History. J Clin Psychiatry. 2019 Dec 10;80(6). pii: 18m12483. PMID: 31846575

<https://www.ncbi.nlm.nih.gov/pubmed/31846575>

Cohen AD, Landau SM, Snitz BE, Klunk WE, Blennow K and Zetterberg H. Fluid and PET biomarkers for amyloid pathology in Alzheimer's disease. Mol Cell Neurosci. 2019 Jun; 97:3-17 PMID: 30537535

<https://www.ncbi.nlm.nih.gov/pubmed/30537535>

**Conlon M, Tew JD, Solai LK**, Gopalan P, Azzam PN, **Karp JF**. Care Transitions in the Psychiatric Hospital: Focus on Older Adults. Epub ahead of print: *Am J Geriatr Psychiatry* (2019).

<https://doi.org/10.1016/j.jagp.2019.07.006>

Cristancho P, Lenard E, Lenze EJ, Miller JP, Brown PJ, Roose SP, Montes-Garcia C, Blumberger DM, Mulsant BH, Lavretsky H, Rollman BL, **Reynolds CF,** **Karp JF**. Optimizing Outcomes of Treatment Resistant Depression in Older Adults (OPTIMUM): Study Design and Treatment Characteristics of the First 396 Participants Randomized. Am J Geriatr Psychiatry. 2019 Oct;27(10):1138-1152. PMID: 31147244

<https://www.ncbi.nlm.nih.gov/pubmed/31147244>

Cui C, Birru RL, Snitz BE, Ihara M, Kakuta C, Lopresti BJ, **Aizenstein HJ**, Lopez OL, Mathis CA, Miyamoto Y, Kuller LH, Sekikawa A. (2019) Effects of soy isoflavones on cognitive function: a systemic review and meta-analysis of randomized controlled trials. Nutr Rev. 2019 Sep 4. PMID: 31504836

<https://www.ncbi.nlm.nih.gov/pubmed/?term=31504836>

DeGiosio R, Kelly RM, DeDionisio AM, Newman JT, Fish KN, Sampson AR, Lewis DA, **Sweet RA**. MAP2 immunoreactivity deficit is conserved across the cerebral cortex within individuals with schizophrenia. NPJ Schizophr. 2019 Aug 28;5(1):13. PMID: 31462659 PMCID: PMC6713711

<https://www.ncbi.nlm.nih.gov/pubmed/31462659>

**Dombrovski AY,** Hallquist MN, Brown VM, Wilson J, **Szanto K**. Value-based choice, contingency learning, and suicidal behavior in mid- and late-life depression. Biol Psychiatry. 2019 Mar 15;85(6):506-516. PMID: 30502081 PMCID: PMC6380943 [Available on 2020-03-15]

<https://www.ncbi.nlm.nih.gov/pubmed/30502081>

Erickson KI, Grove GA, Burns JM, Hillman CH, Kramer AF, McAuley E, Vidoni ED, Becker JT, Butters MA, Gray K, Huang H, Jakicic JM, Kamboh MI, Kang C, **Klunk WE,** Lee P, Marsland AL, Mettenburg J, Rogers RJ, Stillman CM, Sutton BP, Szabo-Reed A, Verstynen TD, Watt JC, Weinstein AM and Wollam ME. Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE): Protocol. Contemp Clin Trials 2019;85:105832. PMID: 31465859 PMCID: PMC6815730 [Available on 2020-10-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31465859>

Fischer, CE, Kortebi, I, Karameh, WK, Kumar, S, Gallagher, D, Golas, A, Munoz, D, Barfett, J, **Butters, MA**, Bowie, CR, Flint, A, Rajji, T, Herrmann, N, Pollock, B, Mulsant, B, Schweizer, TA, Mah, L, and the PACT-MD Study Group. Examining the Link Between Cardiovascular Risk Factors and Neuropsychiatric Symptoms in Mild Cognitive Impairment and Major Depressive Disorder in Remission. J Alzheimers Dis. 2019;67(4):1305-1311 PMID: 30741676.

<https://www.ncbi.nlm.nih.gov/pubmed/30741676>

Fischer CE,  Ismail Z, Youakim JM, Creese B, Kumar S, Nuñez N , Darby RR, Di Vita A, D'Antonio F, de Lena C, McGeown WJ, Ramit R, Rasmussen J, Bello J, Wang H, Andrée Bruneau M, Panegyres PK, Lanctôt KL, Agüera-Ortiz L, Lyketsos K, Cummings J, Jeste D, Sano M, Devanand DP, **Sweet RA**, Ballard C.  Revisiting criteria for psychosis in Alzheimer's disease and related dementias- towards better phenotypic classification and biomarker research. J Alzheimers Dis. 2019 Dec 26. PMID: 31884469

<https://www.ncbi.nlm.nih.gov/pubmed/31884469>

**Ganguli** M, Jia Y, Hughes TF, Snitz PE, Chang C-C H, Berman SB, Sullivan KJ, Kamboh MI.   Mild cognitive impairment that does not progress to dementia. A population-based study.  J Am Geriatr Soc. 2019 Feb;67(2):232-238. PMID: 30444944 PMCID: PMC6367026 [Available on 2020-02-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30444944>

**Ganguli M,** Beer JC, Zmuda J, Ryan CM, Sullivan KJ, Chang C-C, Rao RH. Aging, Diabetes, Obesity, and Cognitive Decline: A Population-Based Study. Journal of the American Geriatrics Society, in press

**Gebara MA,** DiNapoli EA, Hamm ME, Rodriguez KL, Kasckow JW, Lederer LG, Bramoweth AD, **Karp JF.** Illness Narratives and Preferences for Treatment Among Older Veterans Living with Treatment Resistant Depression and Insomnia. Annals of Clinical Psychiatry. In Press

**Gebara MA**, DiNapoli EA, Lederer LG, Bramoweth AD, Germain A, Kasckow JW, **Karp JF**. Brief Behavioral Treatment for Insomnia in Older Adults with Late-life Treatment Resistant Depression and Insomnia: A Pilot Study. Sleep Biol Rhythms. 2019 Jul;17(3):287-295. PMID: 31632192 PMCID: PMC6800686 [Available on 2020-07-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31632192>

Gillman AG, Zhang D, Jarquin S, **Karp JF**, Jeong J-H, Wasan AD. Comparative effectiveness of embedded mental health services in pain management clinics versus standard care. Pain Medicine, pnz294,

<https://doi.org/10.1093/pm/pnz294>

<https://academic.oup.com/painmedicine/advance-article/doi/10.1093/pm/pnz294/5626069>

Goodman MS, Zomorrodi R, Kumar S, Barr MS, Daskalakis ZJ, Blumberger DM, Fischer CE, Flint A, Mah L, Herrmann N, Pollock BG, Bowie CR, Mulsant BH, Rajji TK; **PACt-MD Study (\* includes MA Butters) Group**.\* Changes in Theta but not Alpha Modulation Are Associated with Impairment in Working Memory in Alzheimer's Disease and Mild Cognitive Impairment. J Alzheimers Dis. 2019;68(3):1085-1094. PMID:30909240

<https://www.ncbi.nlm.nih.gov/pubmed/30909240>

Grubisha MJ, Sun X, MacDonald ML, Garver M, Sun Z, DeGiosio RA, Lewis DA, Yates NA, Camacho C, Ding Y, **Sweet RA**. MAP2 is hyperphosphorylated in schizophrenia, altering its function. bioRxiv 683912.

<https://doi.org/10.1101/683912>

**Gujral, S., Aizenstein,H, Reynolds, CF., Butters, MA**., Grove, G., **Karp, JF.**, Erickson, KI. Exercise for Depression: A Feasibility Trial Exploring Neural Mechanisms.Am J Geriatr Psychiatry. 2019 Jun;27(6):611-616. PMID: 30797651 PMCID: PMC6511318 [Available on 2020-06-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30797651>

Hallquist, MN\*, **Dombrovski, AY\*.** (2019). Selective maintenance of value information helps resolve the exploration/exploitation dilemma. (\* *equal contribution*). Cognition. 2019 Feb;183: 226-243.PMID: 30502584 PMCID: PMC6328060 [Available on 2020-02-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30502584>

Inagaki TK, Hazlett LI and **Andreescu C**. Naltrexone alters responses to social and physical warmth: implications for social bonding. Soc Cogn Affect Neurosci. 2019 May 31;14(5):471-479

PMID: 30976797 PMCID: PMC6545530

<https://www.ncbi.nlm.nih.gov/pubmed/30976797>

Kamboh MI, Kang-Hsien F, Yan Q, Beer JC, Snitz BE, Wang X, Chang C-C H, Demirci Y, Feingold E, **Ganguli M**. Population-based genome-wide association study of cognitive decline in older adults free of dementia: Identification of a novel locus for the attention domain. Neurobiol Aging. 2019 Mar 11. pii: S0197-4580(19)30074-0. PMID: 30954325 PMCID: PMC6739197 [Available on 2020-09-11]

<https://www.ncbi.nlm.nih.gov/pubmed/30954325>

Karim HT, Tudorascu DL, Cohen A, Price JC, Lopresti B, Mathis C, **Klunk W**, Snitz BE and **Aizenstein HJ**. Relationships Between Executive Control Circuit Activity, Amyloid Burden, and Education in Cognitively Healthy Older Adults. Am J Geriatr Psychiatry. 2019 Dec;27(12):1360-1371. PMID: 31402087

<https://www.ncbi.nlm.nih.gov/pubmed/31402087>

**Karp JF**, Zhang J, Wahed AS, Anderson S, Dew MA, Fitzgerald K, Weiner DK, Albert S, **Gildengers A, Butters M, Reynolds CF**. Improving Patient Reported Outcomes and Preventing Depression and Anxiety in Older Adults with Knee Osteoarthritis: Results of a Sequenced Multiple Assignment Randomized Trial (SMART) Study. Am J Geriatr Psychiatry. 2019 Oct;27(10):1035-1045. PMCID PMC6739151.

<https://www.ncbi.nlm.nih.gov/pubmed/31047790>

Kenneally LB, Szucs A, **Szanto K, Dombrovski AY**. Familial and social transmission of suicidal behavior in older adults. J Affect Disord. 2019 Feb 15;245:589-596. PMID: 30445383 PMCID: PMC6351150 [Available on 2020-02-15]

<https://www.ncbi.nlm.nih.gov/pubmed/30445383>

Krivinko JM, Koppel J, Savonenko A, **Sweet RA**. Animal Models of Psychosis in Alzheimer Disease. Am J Geriatr Psychiatry. 2020 Jan;28(1):1-19. PMID: 31278012 PMCID: PMC6858948 [Available on 2021-01-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31278012>

Krishnamurthy N, Santini T, Wood S, Kim J, Zhao T, **Aizenstein HJ**, Ibrahim TS. (2019) Computational and experimental evaluation of the Tic-Tac-Toe RF coil for 7 Tesla  MRI. PLoS One. 2019 Jan 10;14(1):e0209663. PMID: 30629618 PMCID: PMC6328242

<https://www.ncbi.nlm.nih.gov/pubmed/30629618>

La Joie R, Ayakta N, Seeley WW, Borys E, Boxer AL, DeCarli C, Dore V, Grinberg LT, Huang E, Hwang JH, Ikonomovic MD, Jack C, Jr., Jagust WJ, Jin LW, **Klunk WE**, Kofler J, Lesman-Segev OH, Lockhart SN, Lowe VJ, Masters CL, Mathis CA, McLean CL, Miller BL, Mungas D, O'Neil JP, Olichney JM, Parisi JE, Petersen RC, Rosen HJ, Rowe CC, Spina S, Vemuri P, Villemagne VL, Murray ME and Rabinovici GD. Multisite study of the relationships between antemortem [(11)C]PIB-PET Centiloid values and postmortem measures of Alzheimer's disease neuropathology. Alzheimers Dement. 2019 Feb;15(2):205-216. PMID: 30347188 PMCID: PMC6368897 [Available on 2020-02-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30347188>

Lao PJ, Handen BL, Betthauser TJ, Cody KA, Cohen AD, Tudorascu DL, Stone CK, Price JC, Johnson SC, **Klunk WE** and Christian BT. Imaging neurodegeneration in Down syndrome: brain templates for amyloid burden and tissue segmentation. Brain Imaging Behav. 2019 Apr;13(2):345-353. PMID: 29752653 PMCID: PMC6230506

<https://www.ncbi.nlm.nih.gov/pubmed/29752653>

Lin C, Karim HT, Pecina M, **Aizenstein HJ**, Lenze EJ, Blumberger DM, Mulsant BH, Kharasch ED, **Reynolds CF**, **Karp JF**.  Low-Dose Augmentation With Buprenorphine Increases Emotional Reactivity but not Reward Activity in Treatment Resistant Depression. Neuroimage Clin. 2019;21:101679. PMID: 30685701 PMCID: PMC6356006

<https://www.ncbi.nlm.nih.gov/pubmed/30685701>

Lissemore, J., Shanks, HRC, **Butters, MA,** Bhandari, A, Zomorrodi, R, Rajji, TK, **Karp, JF**, Reynolds III, CF, Lenze, EJ, Daskalakis, ZJ, Mulsant, BH & Blumberger, DM. An inverse relationship between cortical plasticity and cognitive inhibition in late-life depression. Neuropsychopharmacology. 2019 Aug;44(9):1659-1666. PMID: 31071718 PMCID: PMC6785107 [Available on 2020-08-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31071718>

Liu A, Sun Z, McDade EM, Hughes TF, **Ganguli** M, Chang C-C H.   Blood pressure and memory.  Novel approaches to modeling nonlinear effects in longitudinal studies. Alzheimer Dis Assoc Disord. 2019 Oct-Dec; 33(4)291-298. PMID: 31567145 PMCID: PMC6878165 [Available on 2020-10-01]

<https://www.ncbi.nlm.nih.gov/pubmed/?term=31567145>

Lobo C, Cochran G, Chang C-C, Gellad WF, Gordon AJ, Jalal H, Lo-Cignac W-H, **Karp JF**, Kelley D, Donohue JM. Associations Between the Specialty of Opioid Prescribers and Opioid Addiction, Misuse, and Overdose Outcomes. Pain Med. 2019 Oct 18. pii: pnz234. PMID: 31626295

<https://www.ncbi.nlm.nih.gov/pubmed/31626295>

Manning EE, **Dombrovski AY,** Torregrossa MM, Ahmari SE.(2019) Impaired instrumental reversal learning is associated with increased medial prefrontal cortex activity in Sapap3 knockout mouse model of compulsive behavior. Neuropsychopharmacology. 2019 Jul;44(8):1494-1504. PMID: 30587851 PMCID: PMC6785097 [Available on 2020-07-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30587851>

Manning KJ, Gunning FM, **Aizenstein HJ**, Steffens DC. (2019) Training the next generation of geriatric-focused clinical neuroscientists. Am J Geriatr Psychiatry. 2019 Jul;27(7):720-727 PMID: 30928155.

<https://www.ncbi.nlm.nih.gov/pubmed/30928155>

MacDonald ML, Garver M, Newman J, Sun Z, Kannarkat J, Salisbury R, Glausier J, Ding Y, Lewis DA, Yates N, **Sweet RA**. Synaptic Proteome Alterations in the Primary Auditory Cortex of Individuals With Schizophrenia. JAMA Psychiatry. 2019 Oct 23:1-10. PMID: 31642882 PMCID: PMC6813579 [Available on 2020-10-23]

<https://www.ncbi.nlm.nih.gov/pubmed/31642882>

Mattos MK, Sereika SM, Beach SR, Kim H, **Klunk WE,** Knox M, Nadkarni NK, Parker LS, Roberts JS, Schulz R, Tamres L and Lingler JH. Research Use of Ecological Momentary Assessment for Adverse Event Monitoring Following Amyloid-beta Results Disclosure. J Alzheimers Dis. 2019;71(4):1071-1079. PMID: 31322563 PMCID: PMC6839594

<https://www.ncbi.nlm.nih.gov/pubmed/31322563>

McKinney BC, MacDonald ML, Newman JT, Shelton MA, DeGiosio RA, Kelly RM, Fish KN, Sampson AR, Lewis DA, **Sweet RA**. Density of small dendritic spines and microtubule-associated-protein-2 immunoreactivity in the primary auditory cortex of subjects with schizophrenia. Neuropsychopharmacology. 2019 May;44(6):1055-1061. PMID: 30795003 PMCID: PMC6461932 [Available on 2020-05-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30795003>

Mendes-Silva AP, Mwangi B, Aizenstein H, Reynolds CF 3rd, **Butters MA**, Diniz BS. Molecular Senescence Is Associated With White Matter Microstructural Damage in Late-Life Depression. Am J Geriatr Psychiatry. 2019 Dec;27(12):1414-1418. PMID: 31320246 PMCID: PMC6842685 [Available on 2020-12-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31320246>

Mihaila I, Handen BL, Christian BT, Lao PJ, Cody KA, **Klunk WE**, Tudorascu DL, Cohen AD, Okonkwo OC and Hartley SL. Leisure Activity, Brain beta-amyloid, and Episodic Memory in Adults with Down Syndrome. Dev Neurobiol. 2019 Jul;79(7):738-749. PMID: 30912871

<https://www.ncbi.nlm.nih.gov/pubmed/30912871>

Morin RT, Insel P, Nelson C, **Butters M**, Bickford D, Landau S, Saykin A, Weiner M, Mackin RS; ADNI Depression Project. Latent Classes of Cognitive Functioning Among Depressed Older Adults Without Dementia. J Int Neuropsychol Soc. 2019 Sep;25(8):811-820. PMID: 31232250 PMCID: PMC6733620

<https://www.ncbi.nlm.nih.gov/pubmed/31232250>

Nadkarni NK, Tudorascu D, Campbell E, Snitz BE, Cohen AD, Halligan E, Mathis CA, **Aizenstein HJ**, **Klunk WE.** (2019) Association between brain amyloid, white matter hyperintensities and hypometabolism, and progression to mild cognitive impairment in cognitively normal individuals. J Gerontol A Biol Sci Med Sci. 2019 Oct 4;74(11):1753-1760. PMID: 30957843 PMCID: PMC6777090 [Available on 2020-04-08]

<https://www.ncbi.nlm.nih.gov/pubmed/30957843>

Nucifora LG , MacDonald ML, Lee BJ, Peters ME, Norris AL, Orsburn B, Yang K, Gleason K, Margolis RL, Pevsner J, Tamminga C, **Sweet RA**, Ross CA, Sawa A, Nucifora FC. Increased protein insolubility in brains from a subset of patients with schizophrenia.

Am J Psychiatry. 2019 Sep 1;176(9):730-743. PMID: 31055969

<https://www.ncbi.nlm.nih.gov/pubmed/31055969>

Nunley KA, **Karp JF**, Orchard TJ, Costacou T, Aizenstein HJ, Jennings JR, Rosano C. Depressive Symptoms and Cerebral Microvascular Disease in Adults with Type 1 Diabetes Mellitus. Diabet Med. 2019 Sep;36(9):1168-1175.PMID: 30552772 PMCID: PMC6571066 [Available on 2020-09-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30552772>

Peters R, Yasar S, Anderson CS, Andrews S, Antikainen R, Arima H, Beckett N, Beer JC, Bertens AS, Booth A, van Boxtel M, Brayne C, Brodaty H, Carlson MC, Chalmers J, Corrada M, DeKosky S, Derby C, Dixon RA, Forette F, **Ganguli M**, van Gool WA, Guaita A, Hever AM, Hogan DB, Jagger C, Katz M, Kawas C, Kehoe PG, Keinanen-Kiukaanniemi S, Kenny RA, Köhler S, Kunutsor SK, Laukkanen J, Maxwell C, McFall GP, van Middelaar T2, Moll van Charante EP2, Ng TP2, Peters J1, Rawtaer I2, Richard E2, Rockwood K2, Rydén L2, Sachdev PS, Skoog I, Skoog J, Staessen JA, Stephan BCM, Sebert S, Thijs L, Trompet S, Tully PJ, Tzourio C, Vaccaro R, Vaaramo E, Walsh E, Warwick J, Anstey KJ. An investigation of antihypertensive class, dementia, and cognitive decline: A meta-analysis. Neurology. 2019 Dec 11 . PMID: 31827004

.<https://www.ncbi.nlm.nih.gov/pubmed/31827004>

Rodakowski J, Golias KW, Reynolds CF 3rd, **Butters MA**, Lopez OL, Dew MA, Skidmore ER. Preventing disability in older adults with mild cognitive impairment: A Strategy Training intervention study. Contemp Clin Trials Commun. 2019 May 1;15:100368. PMID: 31111114 PMCID: PMC6512744

<https://www.ncbi.nlm.nih.gov/pubmed/31111114>

Rodenbach KE, Varon D, Denko T, Peterson R, Andreescu C. Use of ECT in Major Vascular Neurocognitive Disorder with Treatment-Resistant Behavioral Disturbance following an Acute Stroke in a Young Patient. Case Rep Psychiatry. 2019 Apr 21;2019:9694765. PMID: 31139486 PMCID: PMC6500662.

<https://www.ncbi.nlm.nih.gov/pubmed/31139486>

Shaaban CE, **Aizenstein HJ**, Jorgensen DR, Mahbubani RLM, Meckes NA, Erickson KI, Glynn NW, Mettenburg J, Guralnik J, Newman AB, Ibrahim TS, Laurienti PJ, Vallejo AN, Rosano C. (2019) Physical activity and cerebral small vein integrity in older adults. Med Sci Sports Exerc. 2019 Aug;51(8):1684-1691. PMID: 30817709 PMCID: PMC6629486 [Available on 2020-08-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30817709>

Shaaban CE, Jia Y, Chang C-C H, **Ganguli M**. Independent and joint effects of vascular and cardiometabolic risk factor pairs for risk of all-cause dementia: a prospective population-based study. Int Psychogeriatr. 2019 Oct;31(10):1421-1432. PMID: 31455442

<https://www.ncbi.nlm.nih.gov/pubmed/31455442>

Smagula, SF, Jia, Y, Chang, C‐CH, Cohen, A, **Ganguli, M.** Trajectories of daytime sleepiness and their associations with dementia incidence. J Sleep Res. 2019 Nov 28:e12952. PMID: 31782578

<https://www.ncbi.nlm.nih.gov/pubmed/31782578>

Smagula SF, Chahine L, Metti A, Rangarajan A, **Aizenstein HJ**, Tian Q, Rosano C. Regional gray matter volume links rest-activity rhythm fragmentation with past cognitive decline. Am J Geriatr Psychiatry. 2019 Jul 19. pii: S1064-7481(19)30438-5. PMID: 31377045

<https://www.ncbi.nlm.nih.gov/pubmed/31377045>

Smagula SF, Hasler B, Schulz R, Graves JL, Reynolds CF, **Aizenstein HJ**, Buysse DJ, Krafty RT, Hall MH.  Activity patterns related to depression symptoms in stressed dementia caregivers. Int Psychogeriatr. 2019 Oct 29:1-8. PMID: 31658928

<https://www.ncbi.nlm.nih.gov/pubmed/31658928>

**Solai, LK,** Kumar, K, Mulvaney, E, Rosen, D, Rodakowski, J, Fabian, T, Lingler, JH, **Reynolds, CF III**, and Sewell, D. Geriatric Mental Healthcare Training: Development of a Learning Collaborative (“Mini-Fellowship”) in Interprofessional Assessment and Clinical Management.  Am J Geriatr Psychiatry. 2019; 27(7):706–711. PMID: 31133467

<https://www.ncbi.nlm.nih.gov/pubmed/31133467>

Stahl S, Jung C, Weiner D, Pecina M, **Karp JF**. Opioid Exposure Negatively Affects Antidepressant Response to Venlafaxine in Older Adults with Chronic Low Back Pain and Depression. Pain Med. 2019 Oct 21. pii: pnz279. PMID: 31633789

<https://www.ncbi.nlm.nih.gov/pubmed/31633789>

Stoehr GP, Jacobsen EP, Jia Y, Snitz BE, **Ganguli M**. Trends in the use of medications and supplements to treat or prevent dementia: A population-based study. Alzheimer Dis Assoc Disord. 2019 Oct 15. PMID: 31633558

<https://www.ncbi.nlm.nih.gov/pubmed/31633558>

Su Y, Flores S, Wang G, Hornbeck RC, Speidel B, Joseph-Mathurin N, Vlassenko AG, Gordon BA, Koeppe RA, **Klunk WE,** Jack CR, Jr., Farlow MR, Salloway S, Snider BJ, Berman SB, Roberson ED, Brosch J, Jimenez-Velazques I, van Dyck CH, Galasko D, Yuan SH, Jayadev S, Honig LS, Gauthier S, Hsiung GR, Masellis M, Brooks WS, Fulham M, Clarnette R, Masters CL, Wallon D, Hannequin D, Dubois B, Pariente J, Sanchez-Valle R, Mummery C, Ringman JM, Bottlaender M, Klein G, Milosavljevic-Ristic S, McDade E, Xiong C, Morris JC, Bateman RJ and Benzinger TLS. Comparison of Pittsburgh compound B and florbetapir in cross-sectional and longitudinal studies. Alzheimers Dement (Amst). 2019 Feb 22;11:180-190. PMID: 30847382 PMCID: PMC6389727

<https://www.ncbi.nlm.nih.gov/pubmed/30847382>

Sullivan KJ, Liu A, Dodge HH, Andreescu C, Chang C-C H, **Ganguli M.** Depression symptoms declining among older adults. Birth Cohort Analyses from the Rust Belt. Am J Geriatr Psychiatry. 2020 Jan;28(1):99-107 PMID: 31300193 PMCID: PMC6898763 [Available on 2021-01-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31300193>

Tudorascu DL, Anderson SJ, Minhas DS, Yu Z, Comer D, Lao P, Hartley S, Laymon CM, Snitz BE, Lopresti BJ, Johnson S, Price JC, Mathis CA, **Aizenstein HJ**, **Klunk WE**, Handen BL, Christian BT Cohen AD. (2019) Comparison of longitudinal Aβ in nondemented elderly and Down syndrome. Neurobiol Aging. 2019 Jan;73:171-176. PMID: 30359879 PMCID: PMC6251757

<https://www.ncbi.nlm.nih.gov/pubmed/30359879>

Vanyukov PM, Hallquist MN, Delgado M**, Szanto K**, Dombrovski AY. Neurocomputational mechanisms of adaptive learning in social exchanges. Cogn Affect Behav Neurosci. 2019 Aug;19(4):985-997. PMID: 30756349 PMCID: PMC6690806 [Available on 2020-08-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30756349>

Wang, L, Ying J, Fan P, Weamer EA, DeMichele-Sweet MA, Lopez OL, Kofler JK, **Sweet RA**, Effects of Vitamin D Use on Outcomes of Psychotic Symptoms in Alzheimer’s Disease Patients.

Am J Geriatr Psychiatry. 2019 Sep;27(9):908-917. PMID: 31126722 PMCID: PMC6693492 [Available on 2020-09-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31126722>

Wasson E, Rosso AL, Santanasto AJ, Rosano C, Butters MA, Rejeski WJ, Boudreau RM, Aizenstein H, Gmelin T, Glynn NW; LIFE Study Group. Neural correlates of perceived physical and mental fatigability in older adults: A pilot study. Exp Gerontol. 2019 Jan;115:139-147. PMID: 30528639 PMCID: PMC63312

<https://www.ncbi.nlm.nih.gov/pubmed/30528639>

Waterman LA, Herbeck Belnap B, Gebara MA, Huang Y, Abebe KZ, Rollman BL, Karp JF. Bypassing the blues: Insomnia in the depressed post-CABG population. Annals of Clinical Ps

<https://www.ncbi.nlm.nih.gov/pubmed/31675390>

Ward M, Karim HT, Jessen Z, Ghuman A, Richardson M, Reynolds CF, Karp J. Association between Increased Theta Cordance and Early Response to ECT in Late-Life Depression. Int. J Geriatric Psychiatry. 2019 Oct 15. PMID: 31617234

<https://www.ncbi.nlm.nih.gov/pubmed/31617234>

Wu CY, Rodakowski J, Terhorst L, Karp JF, Fields F, Skidmore ER. A Scoping Review of Non-Pharmacological Interventions to Reduce Disability in Older Adults. Gerontologist. 2019 Apr 19. pii: gnz026. PMID: 31002312

<https://www.ncbi.nlm.nih.gov/pubmed/31002312>

Wu M, Thurston RC, Tudorascu DL, Karim HT, Mathis CA, Lopresti BJ, Kamboh MI, Cohen AD, Snitz BE, Klunk WE, **Aizenstein HJ**. (2019) Amyloid Deposition Is Associated with Different Patterns of Hippocampal Connectivity in Men versus Women. Neurobiol Aging. 2019 Apr;76:141-150. PMID: 30711677 PMCID: PMC6584958 [Available on 2020-04-01]

<https://www.ncbi.nlm.nih.gov/pubmed/30711677>

Wu M, Mennin DS, Ly M, Karim HT, Banihashemi L, Tudorascu DL, **Aizenstein HJ**, Andreescu C. When worry may be good for you: Worry severity and limbic-prefrontal functional connectivity in late-life generalized anxiety disorder. J Affect Disord. 2019 Oct 1;257:650-657 PMID: 31357162 PMCID: PMC6711791 [Available on 2020-10-01]

<https://www.ncbi.nlm.nih.gov/pubmed/31357162>

Zhang K, **Szanto K,**Clark L, Dombrovski AY. Behavioral empathy failures and suicidal behavior. Behav Res Ther. 2019 Sep;120:103329. PMID: 30477905 PMCID: PMC6497579 [Available on 2020-09-01].

<https://www.ncbi.nlm.nih.gov/pubmed/30477905>