

Joshua A. Sonnen, MD
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Education

Neuropathology Fellowship, University of Washington, Seattle	2005-2007
Anatomic Pathology Residency, University of Arizona, Tucson	2002-2005
MD, Keck School of Medicine, University of Southern California, Los Angeles	1998-2002
BS, Biology Baccalaureate Medical Program, University of Southern California, Los Angeles	1994-1998

Current Positions

Neuropathologist Arkana Laboratories Little Rock, AR	2022-Present
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Professional Experience

Neuropathologist and Director of Neuroautopsy Department of Pathology Montreal, Quebec	05/20/2019- 07/31/2022
Director, Neuropathology Fellowship Department of Pathology University of Utah Salt Lake City, UT	07/01/2015- 06/30/2018
Neuropathologist Department of Pathology University of Utah Salt Lake City, UT	10/01/2013- 02/28/2019
Medical Director Anatomic Pathology/Oncology Division and Neuropathology ARUP Laboratories, Inc. Salt Lake City, UT	10/01/2013- 02/28/2019
Co-leader, Neuropathology Core Alzheimer's Disease Research Center University of Washington Seattle, WA	2011-2013
Director, Neuropathology Fellowship Department of Pathology University of Washington Seattle, WA	07/01/2010- 06/30/2013

Prior Academic Appointments

Associate Professor & Director of Neuroautopsy, Department of Pathology McGill University Montréal, QC	05/20/2019- 07/31/2022
Associate Member Department of Neurology & Neurosurgery Montreal Neurological Hospital & Institute/Institut et hôpital neurologiques de Montréal Montréal, QC	07/01/2020- 07/31/2022
Associate Professor Department of Pathology University of Utah Salt Lake City, UT	10/01/2013- 02/28/2019
Affiliate Associate Professor Department of Pathology University of Washington Seattle, WA	07/01/2013- 08/30/2018
Assistant Professor Department of Pathology University of Washington Seattle, WA	07/01/2009- 06/30/2013
Acting Instructor Department of Pathology University of Washington Seattle, WA	07/01/2007 - 06/03/2009

Other Professional Activities

Expert Consultant in Microneuropathology <i>ALLEN Human Brain Atlas</i> , Allen Institute for Brain Science, Seattle, WA <i>Acknowledged in Hawrylycz, et al. An anatomically comprehensive atlas of the adult human brain transcriptome. Nature. 2012;489(7416):391-9</i>	2007-2014
Expert Consultant in glioma Neuropathology Recombinetics™ Inc., Gene Editing Solutions, Eagan, MN	2020-2022

Professional Certification

Diplomat, American Board of Pathology in Anatomic Pathology	2005
Diplomat, American Board of Pathology in Neuropathology	2007
Combined Re-certification, American Board of Pathology in Anatomic Pathology and Neuropathology	2014

Medical Licenses

<u>State/Province</u>	<u>License Number</u>	<u>Date Issued</u>
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Utah	8781350-1205	09/09/2013
Washington	MD00045724	10/12/2005
Québec	19202	05/15/2019

Professional Memberships and Activities

Canadian Association of Neuropathologists, Endowment Committee	2020-Present
Canadian Association of Neuropathologists, Member	2019-Present
Association of American Neuropathologists, Awards Committee	2014-2019
Association of American Neuropathologists, Membership Committee	2013-2016
Association of American Neuropathologists, Active Member	2010-Present
International Society of Neuropathology, Corporate Member	2010-Present
The International Society of Vascular Behavioural and Cognitive Disorders, Faculty Member	2007-Present
College of American Pathologists, Fellow	2005-Present

Committees Assignments and Administrative Services

Clinical Biological and Imaging Genetics Repository (C-BIG), Governing Board Clinician Scientist & Representative for the Department of Pathology, Montreal Neurological Institute- Hospital, McGill University	2021-Present
Medical Evaluation Committee, Montreal Neurological Institute-Hospital, McGill University	2020-Present
Steering Committee, Neuroscience Initiative: Neurodegeneration Pillar, University of Utah	2015-2017

Grant Review Committee/Study Sections

Motor Neurone Disease Association, Northampton, United Kingdom	2021
Neurological Foundation of New Zealand, Auckland	2011 & 2021
NIH/NIA Neuroscience Committee	2019
NIH Neurological, Aging and Musculoskeletal Epidemiology (NAME) Study Section	2018-2019
NIH/NIA Epidemiology of Alzheimer's Disease and Cognitive Resilience	2016-2017
NIH/NIA Alzheimer's Disease Research Center / Alzheimer Disease Center Study Section	2014
University of Washington Alzheimer Disease Research Center Pilot Grant, Seattle, WA	2011-2014
University of Washington Royalty Research Fund, Seattle, WA	2011

Educational Activities

Course and Curriculum Development

MD ID 7320: Host and Defense, CNS Infection Lab, Department of Pathology, University of Utah	2015
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Courses directed

HuBio 547: Clinical-Pathological Correlation, Department of Pathology, University of Washington	2009
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Course Lectures

INDS212: Human Biology : Pathology of Dementia, McGill University	2020-2022
DENT7135: Host and Defense: CNS Infections, University of Utah School of Dentistry	2016-2017
PATH 513: Molecular Basis of Disease, Department of Pathology, University of Washington	2007-2013

HuBio 566: Neuropathology, Department of Pathology, University of Washington	2009-2013
HuBio 667: Neuropathology, Department of Pathology, University of Washington	2009-2013
EPI 571: Neuroepidemiology, Department of Pathology, University of Washington	2010

Laboratories

INDS212: Human Behavior: Pathology Cases, McGill University	2020-Present
INDS115: Renal, McGill University	2020
INDS112: Respiration: COPD, PRLD, McGill University	2020
INDS112: Respiration: Pulmonary and Pleural Tumors, McGill University	2019
INDS114: Digestion/Metabolism: Hepatobiliary, McGill University	2021
INDS111: Molecules to Global Health: Cell Injury, death and adaptation, McGill University	2019-2020
DENT7135: Host and Defense: CNS Infections, University of Utah School of Dentistry	2017
MD ID 7320: Host and Defense, CNS Infection Lab, Department of Pathology, University of Utah	2014-2017
HuBio 667: Neuropathology Lab, Department of Pathology, University of Washington	2009-2010

Grants and Contract Awards

Guiding next steps for SPRINT-MIND implementation: Identifying high-benefit subgroups and comparative effects of ARB- vs. ACEI-based regimens NIH R01 AG065805 NIA PI: Dr. Adam Bress Co-Investigator	08/01/2020- 04/30/2024
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Applications in Process

Delineating Focal Cortical Dysplasia Borders Using Intra-operative Label-free Molecular Vibrational Spectroscopy Canadian Institutes of Health Research PI: Dr. Roy Dudley Co-Investigator	Pending
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Airborne Metals, Olfaction and Cognitive Decline: The Olfactory Tract as a Central Nervous System Pathway NIH/NAME Co-PIs: Dr. Helen H Suh & Joshua Sonnen	Pending
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Understanding ependymal cells in multiple sclerosis; Proposal ID: 915179 Multiple Sclerosis Society of Canada: Discovery Research Grant PI: Dr. Jo Stratton Collaborator	Pending
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Completed Funding

Causes, consequences, imaging and mitigation of sepsis-induced encephalopathy Department of Health and Human Services, NIH NS092458-01 PI: Dr. Kathryn Morton Co-Investigator	04/02/2015- 03/31/2020
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Vascular Risk Factors in the Oldest-Old (90+ Study) Department of Health and Human Services, NIH R01 AG 042444-01 PI: Dr. Maria Corrada Subcontract	04/01/2017- 03/31/2018
Pharmaconeuropathology of Brain Aging and Dementia Department of Health and Human Services, NIH R01 AG 023801-10 PI: Joshua Sonnen Principal Investigator	04/01/2009- 02/28/2017
Adult Changes in Thought Study (ACT) Department of Health and Human Services, NIH U01 AG 06781-23 PI: Dr. Eric Larson Co-Investigator	09/30/2009- 08/31/2014
Vascular Risk Factors in the Oldest-Old Department of Health and Human Services, NIH R01 AG 042444-01 PI: Dr. Maria Corrada Co-Investigator	15/09/2012- 31/05/2016
Alzheimer Disease Research Center (ADRC) Department of Health and Human Services, NIH P50 AG05136-25 PI: Dr. Murray Raskind. Neuropathology Core Co-leader: Thomas J. Montine, MD, PhD and Joshua A Sonnen, MD	05/01/2010- 09/31/2013
UW ADRC Pilot Project: Pharmaconeuropathology of Brain Aging Department of Health and Human Services, NIH P50 AG05136 PI: Dr. Murray Raskind Investigator	07/01/2009- 06/30/2010
Epidemiology of Brain Aging in the Very Old Department of Health and Human Services, NIH U01 AG19349 PI: Dr. Lon White Co-Investigator	01/05/2011- 02/07/2012
Department of Health and Human Services, NIH T32 AG000258 National Research Service Award PI: Dr. Suzanne Craft Awardee	07/01/2008- 06/31/2010

PEER-REVIEWED JOURNAL ARTICLES (Indexed to PubMed, ascending date)

1. Allen CT, **Sonnen J**, Leslie MJ, Kidoguchi L, Harris C, Gambetti P, Montine TJ. Washington statewide pathology surveillance for prion disease. *Ann Neurol.* 2007; 61(4): 371-2. PMID: 17358023

2. Li G, Larson EB, **Sonnen J**, Shofer J, Petrie E, Schantz A, Peskind E, Raskind M, Breitner JC, Montine T. Statin therapy is associated with reduced neuropathologic changes of Alzheimer disease. *Neurology*. 2007 Aug 28;69(9):878-85. PMID: 17724290
3. **Sonnen JA**, Larson EB, Crane PK, Haneuse S, Li G, Schellenberg GD, Craft S, Leverenz JB, Montine TJ. Pathological correlates of dementia in a longitudinal, population-based sample of aging. *Ann Neurol*. 2007;62(4):406-13. PMID: 17879383
4. **Sonnen JA**, Keene CD, Montine KS, Li G, Peskind ER, Zhang J, Montine TJ. Biomarkers for Alzheimer's disease. *Expert Rev Neurother*. 2007;7(8): 1021-8. PMID: 17678497.
5. Woltjer RL, **Sonnen JA**, Sokal I, Rung LG, Yang W, Kjerulf JD, Klingert D, Johnson C, Rhew I, Tsuang D, Crane PK, Larson EB, Montine TJ. Quantitation and mapping of cerebral detergent-insoluble proteins in the elderly. *Brain Pathol*, 2008;19(3): 365-74. PMID: 18652590; PMC2704248
6. **Sonnen JA**, Breitner JC, Lovell MA, Markesbery WR, Quinn JF, Montine TJ. Free radical-mediated damage to brain in Alzheimer's disease and its transgenic mouse models. *Free Radic Biol Med*, 2008; 45(3): 219-30. PMID: 18482592; PMC2459222
7. **Sonnen JA**, Montine KS, Quinn JF, Kaye JA, Breitner JCS, Montine TJ. Biomarkers for cognitive impairment and dementia in elderly people. *Lancet Neurol*, 2008;7(8):704-14. PMID: 18635019; PMC2710375
8. Haneuse S, Schildcrout J, Crane P, **Sonnen J**, Breitner J, Larson E. Adjustment for selection bias in observational studies with application to the analysis of autopsy data. *Neuroepidemiology*. 2009;32(3): 229-39. PMID: 19176974; PMC2698450
9. Haneuse S, Larson E, Walker R, Montine T, **Sonnen J**. Neuropathology-based risk scoring for dementia diagnosis in the elderly. *J Alzheimers Dis*, 2009;17(4): 875-85. PMID: 19542615; PMC2852462
10. **Sonnen JA**, Larson EB, Gray SL, Wilson A, Kohama SG, Crane PK, Breitner JCS, Montine TJ. Free radical damage to cerebral cortex in Alzheimer's disease, microvascular brain injury, and smoking, but not ameliorated by antioxidant exposure. *Ann Neurol*. 2009;65(2): 226-9. PMID: 19259965; PMC2729331
11. **Sonnen JA**, Larson EB, Brickell K, Crane PK, Woltjer R, Montine TJ, Craft S. Different patterns of cerebral injury in dementia with or without diabetes. *Arch Neurol*, 2009;66(3): 315-22. PMID: 19139294; PMC2766529
12. Longstreth WT Jr, **Sonnen JA**, Koepsell TD, Kukull WA, Larson EB, Montine TJ. Associations between microinfarcts and other macroscopic vascular findings on neuropathologic examination in two databases. *Alzheimer Dis Assoc Disord*. 2009; 23(3): 291-4. PMID: 19812473; PMC2919361
13. Wang LY, Larson EB, **Sonnen JA**, Shofer JB, McCormick W, Bowen JD, Montine TJ, Li G. Blood pressure and brain injury in older adults: findings from a community-based autopsy study. *J Am Geriatr Soc*. 2009;57(11): 1975-81. PMID: 19793158; PMC2818442

14. **Sonnen JA**, Larson EB, Haneuse S, Woltjer R, Li G, Crane PK, Craft S, Montine TJ. Neuropathology in the adult changes in thought study: a review. *J Alzheimers Dis.* 2009;18(3):703-11. PMID: 19661627; PMC4008877
15. Montine TJ, **Sonnen JA**, Milne G, Baker LD, Breitner JC. Elevated ratio of urinary metabolites of thromboxane and prostacyclin is associated with adverse cardiovascular events in ADAPT. *PLoS One*, 2010;5(2): e9340. PMID: 20174466; PMC2824826
16. **Sonnen JA**, Montine KS, Quinn JF, Breitner JCS, Montine TJ. Cerebrospinal fluid biomarkers in mild cognitive impairment and dementia. *J Alzheimers Dis.* 2010;19(1):301-9. PMID: 20061646; PMC2891184
17. Luria S, Waitayawinyu T, Conniff J, Morton HJ, Nemechek NM, **Sonnen JA**, Katolik LI, Trumble TE. Glatiramer acetate immune system augmentation for peripheral nerve regeneration in rat crushed sciatic nerve model. *J Bone Joint Surg Am*, 2010;92(2): 396-403. PMID: 20124067
18. Tsuang D, Larson EB, Li G, Shofer JB, Montine KS, Thompson ML, **Sonnen JA**, Crane PK, Leverenz JB, Montine TJ. Association between lifetime cigarette smoking and Lewy body accumulation. *Brain Pathol*, 2010;20(2): 412-8. PMID: 19531100; PMC2864364
19. Rostomily R, Born D, Beyer R, Jin J, Alvord E, Mikheev A, Matthews R, Pan C, Khorasani L, **Sonnen J**, Montine T, Shi M, Zhang J. Quantitative proteomic analysis of oligodendrogliomas with and without 1p/19q deletion. *Journal Proteome Research*, 2010;9(5): 2610-8. PMID: 20337498; PMC3119493
20. **Sonnen JA**, Larson EB, Walker RL, Haneuse S, Crane PK, Gray SL, Breitner JCS, Montine TJ. Nonsteroidal anti-inflammatory drugs are associated with increased neuritic plaques. *Neurology*, 2010;75(13): 1203-10. PMID: 20811000; PMC3013492.
21. **Sonnen JA**, Postupna N, Larson EB, Crane PK, Rose SE, Montine KS, Leverenz JB, Montine TJ. Pathologic correlates of dementia in individuals with Lewy body disease. *Brain Pathol.* 2010 May;20(3):654-9. PMID: 20522091; PMC2881486
22. Naj AC, Jun G, Beecham GW, Wang LS, Vardarajan BN, Buross J, Gallins PJ, Buxbaum JD, Jarvik GP, Crane PK, Larson EB, Bird TD, Boeve BF, Graff-Radford NR, De Jager PL, Evans D, Schneider JA, Carrasquillo MM, Ertekin-Taner N, Younkin SG, Cruchaga C, Kauwe JS, Nowotny P, Kramer P, Hardy J, Huentelman MJ, Myers AJ, Barmada MM, Demirci FY, Baldwin CT, Green RC, Rogaeva E, St George-Hyslop P, Arnold SE, Barber R, Beach T, Bigio EH, Bowen JD, Boxer A, Burke JR, Cairns NJ, Carlson CS, Carney RM, Carroll SL, Chui HC, Clark DG, Corneveaux J, Cotman CW, Cummings JL, DeCarli C, DeKosky ST, Diaz-Arrastia R, Dick M, Dickson DW, Ellis WG, Faber KM, Fallon KB, Farlow MR, Ferris S, Frosch MP, Galasko DR, Ganguli M, Gearing M, Geschwind DH, Ghetti B, Gilbert JR, Gilman S, Giordani B, Glass JD, Growdon JH, Hamilton RL, Harrell LE, Head E, Honig LS, Hulette CM, Hyman BT, Jicha GA, Jin LW, Johnson N, Karlawish J, Karydas A, Kaye JA, Kim R, Koo EH, Kowall NW, Lah JJ, Levey AI, Lieberman AP, Lopez OL, Mack WJ, Marson DC, Martiniuk F, Mash DC, Masliah E, McCormick WC, McCurry SM, McDavid AN, McKee AC, Mesulam M, Miller BL, Miller CA, Miller JW, Parisi JE, Perl DP, Peskind E, Petersen RC, Poon WW, Quinn JF, Rajbhandary RA, Raskind M, Reisberg B, Ringman JM, Roberson ED, Rosenberg RN, Sano M, Schneider LS, Seeley W, Shelanski ML, Slifer MA, Smith CD, **Sonnen JA**, Spina S, Stern RA, Tanzi RE, Trojanowski JQ, Troncoso JC,

- Van Deerlin VM, Vinters HV, Vonsattel JP, Weintraub S, Welsh-Bohmer KA, Williamson J, Woltjer RL, Cantwell LB, Dombroski BA, Beekly D, Lunetta KL, Martin ER, Kamboh MI, Saykin AJ, Reiman EM, Bennett DA, Morris JC, Montine TJ, Goate AM, Blacker D, Tsuang DW, Hakonarson H, Kukull WA, Foroud TM, Haines JL, Mayeux R, Pericak-Vance MA, Farrer LA, Schellenberg GD. Common variants at MS4A4/MS4A6E, CD2AP, CD33 and EPHA1 are associated with late-onset Alzheimer's disease. *Nat Genet*, 2011 May;43(5):436-41. PMID: 21460841; PMC3090745
23. Chen DH, Raskind WH, Parson WW, **Sonnen JA**, Vu T, Zheng Y, Matsushita M, Wolff J, Lipe H, Bird TD. A novel mutation in *FHL1* in a family with X-linked scapuloperoneal myopathy: phenotypic spectrum and structural study of *FHL1* mutations. *J Neurol Sci*. 2010 Sep 15;296(1-2):22-9. PMID: 20633900; PMC3016010
24. Dowling NM, Tomaszewski Farias S, Reed BR, **Sonnen JA**, Strauss ME, Schneider JA, Bennett DA, Mungas D. Neuropathological associates of multiple cognitive functions in two community-based cohorts of older adults. *J Int Neuropsychol Soc*. 2011; 17(4): 602-14. PMID: 21092373; PMC3376403
25. Gonzalez-Cuyar LF, **Sonnen JA**, Montine KS, Keene CD, Montine TJ. Role of cerebrospinal fluid and plasma biomarkers in the diagnosis of neurodegenerative disorders and mild cognitive impairment. *Curr Neurol Neurosci Rep*, 2011; 11(5): 455-63. PMID: 21725901; PMC3213691
26. Nelson PT, Schmitt FA, Lin Y, Abner EL, Jicha GA, Patel E, Thomason PC, Neltner JH, Smith CD, Santacruz KS, **Sonnen JA**, Poon LW, Gearing M, Green RC, Woodard JL, Van Eldik LJ, Kryscio RJ. Hippocampal sclerosis in advanced age: clinical and pathological features. *Brain*. 2011;134:1506-18. PMID: 21596774; PMC3097889
27. Reed BR, Dowling M, Tomaszewski Farias S, **Sonnen J**, Strauss M, Schneider JA, Bennett DA, Mungas D. Cognitive activities during adulthood are more important than education in building reserve. *J Int Neuropsychol Soc*, 2011;17(4): 615-24. PMID: 23131600; PMC3498078
28. **Sonnen JA**, Santa Cruz K, Hemmy LS, Woltjer R, Leverenz JB, Montine KS, Jack CR, Kaye J, Lim K, Larson EB, White L, Montine TJ. Ecology of the aging human brain. *Arch Neurol*, 2011;68(8):1049-56. PMID: 21825242; PMC3218566
29. Back SA, Kronke C, Sherman LS, Lawrence G, Gong X, Taber EN, **Sonnen JA**, Larson EB, Montine TJ. White matter lesions defined by diffusion tensor imaging in older adults. *Ann Neurol*. 2011;70(3):465-76. PMID: 21905080; PMC3177155
30. SantaCruz KS, **Sonnen JA**, Pezhouh MK, Desrosiers MF, Nelson PT, Tyas SL. Alzheimer disease pathology in subjects without dementia in 2 studies of aging: the Nun Study and the Adult Changes in Thought Study. *J Neuropathol Exp Neurol*, 2011; 70(10): 832-40. PMID: 21937909; PMC3445265
31. Chan WFN, Gurnot C, Montine TJ, **Sonnen JA**, Guthrie KA, Nelson JL. Male microchimerism in the human female brain. *PLoS One*. 2012;7(9):e45592. PMID: 23049819; PMC3458919

32. Allen M, Zou F, Chai HS, Younkin CS, Crook J, Pankratz VS, Carrasquillo MM, Rowley CN, Nair AA, Middha S, Maharjan S, Nguyen T, Ma L, Malphrus KG, Palusak R, Lincoln S, Bisceglia G, Georgescu C, Schultz D, Rakhshan F, Kolbert CP, Jen J, Haines JL, Mayeux R, Pericak-Vance MA, Farrer LA, Schellenberg GD, Petersen RC, Graff-Radford NR, Dickson DW, Younkin SG, Ertekin-Taner N; Alzheimer's Disease Genetics Consortium (ADGC)., Apostolova LG, Arnold SE, Baldwin CT, Barber R, Barmada MM, Beach T, Beecham GW, Beekly D, Bennett DA, Bigio EH, Bird TD, Blacker D, Boeve BF, Bowen JD, Boxer A, Burke JR, Buross J, Buxbaum JD, Cairns NJ, Cantwell LB, Cao C, Carlson CS, Carney RM, Carroll SL, Chui HC, Clark DG, Corneveaux J, Cotman CW, Crane PK, Cruchaga C, Cummings JL, De Jager PL, DeCarli C, DeKosky ST, Demirci FY, Diaz-Arrastia R, Dick M, Dombroski BA, Duara R, Ellis WD, Evans D, Faber KM, Fallon KB, Farlow MR, Ferris S, Foroud TM, Frosch M, Galasko DR, Gallins PJ, Ganguli M, Gearing M, Geschwind DH, Ghetti B, Gilbert JR, Gilman S, Giordani B, Glass JD, Goate AM, Green RC, Growdon JH, Hakonarson H, Hamilton RL, Hardy J, Harrell LE, Head E, Honig LS, Huentelman MJ, Hulette CM, Hyman BT, Jarvik GP, Jicha GA, Jin LW, Jun G, Kamboh MI, Karlawish J, Karydas A, Kauwe JS, Kaye JA, Kennedy N, Kim R, Koo EH, Kowall NW, Kramer P, Kukull WA, Lah JJ, Larson EB, Levey AI, Lieberman AP, Lopez OL, Lunetta KL, Mack WJ, Marson DC, Martin ER, Martiniuk F, Mash DC, Masliah E, McCormick WC, McCurry SM, McDavid AN, McKee AC, Mesulam M, Miller BL, Miller CA, Miller JW, Montine TJ, Morris JC, Myers AJ, Naj AC, Nowotny P, Parisi JE, Perl DP, Peskind E, Poon WW, Potter H, Quinn JF, Raj A, Rajbhandary RA, Raskind M, Reiman EM, Reisberg B, Reitz C, Ringman JM, Roberson ED, Rogaeva E, Rosenberg RN, Sano M, Saykin AJ, Schneider JA, Schneider LS, Seeley W, Shelanski ML, Slifer MA, Smith CD, **Sonnen JA**, Spina S, St George-Hyslop P, Stern RA, Tanzi RE, Trojanowski JQ, Troncoso JC, Tsuang DW, Van Deerlin VM, Vardarajan BN, Vinters HV, Vonsattel JP, Wang LS, Weintraub S, Welsh-Bohmer KA, Williamson J, Woltjer RL. Novel late-onset Alzheimer disease loci variants associate with brain gene expression. *Neurology*. 2012 Jul 17;79(3):221-8. PMID: 22722634; PMC3398432.
33. Montine TJ, **Sonnen JA**, Montine KS, Crane PK, Larson EB. Adult Changes in Thought study: dementia is an individually varying convergent syndrome with prevalent clinically silent diseases that may be modified by some commonly used therapeutics. *Curr Alzheimer Res*, 2012; 9(6):718-23. PMID: 22471861; PMC3409333
34. Postupna N, Rose SE, Bird TD, Gonzalez-Cuyar LF, **Sonnen JA**, Larson EB, Keene CD, Montine TJ. Novel antibody capture assay for paraffin-embedded tissue detects wide-ranging amyloid beta and paired helical filament-tau accumulation in cognitively normal older adults. *Brain Pathol*. 2012 Jul;22(4):472-84. PMID: 21999410; PMC3295908
35. Nelson PT, Alafuzoff I, Bigio EH, Bouras C, Braak H, Cairns NJ, Castellani RJ, Crain BJ, Davies P, Del Tredici K, Duyckaerts C, Frosch MP, Haroutunian V, Hof PR, Hulette CM, Hyman BT, Iwatsubo T, Jellinger KA, Jicha GA, Kovari E, Kukull WA, Leverenz JB, Love S, Mackenzie IR, Mann DM, Masliah E, McKee AC, Montine TJ, Morris JC, Schneider JA, **Sonnen JA**, Thal DR, Trojanowski JQ, Troncoso JC, Wisniewski T, Woltjer RL, Beach TG. Correlation of Alzheimer disease neuropathologic changes with cognitive status: a review of the literature. *J Neuropathol Exp Neurol*, 2012;71(5): 362-81. (Review) PMID: 22487856; PMC3560290.
36. Whitcomb DC, **Alzheimer Disease Genetics Consortium**, et al. Common genetic variants in the CLDN2 and PRSS1-PRSS2 loci alter risk for alcohol-related and sporadic pancreatitis. *Nat Genet*. 2012 Dec;44(12):1349-54. PMID: 23143602; PMC3510344.

37. Zou F, Chai HS, Younkin CS, Allen M, Crook J, Pankratz VS, Carrasquillo MM, Rowley CN, Nair AA, Middha S, Maharjan S, Nguyen T, Ma L, Malphrus KG, Palusak R, Lincoln S, Bisceglia G, Georgescu C, Kouri N, Kolbert CP, Jen J, Haines JL, Mayeux R, Pericak-Vance MA, Farrer LA, Schellenberg GD; **Alzheimer's Disease Genetics Consortium.**, Petersen RC, Graff-Radford NR, Dickson DW, Younkin SG, Ertekin-Taner N. Brain expression genome-wide association study (eGWAS) identifies human disease-associated variants. *PLoS Genet.* 2012;8(6):e1002707. PMID: 22685416; PMC3369937.
38. Jun G, Vardarajan BN, Buross J, Yu CE, Hawk MV, Dombroski BA, Crane PK, Larson EB, Mayeux R, Haines JL, Lunetta KL, Pericak-Vance MA, Schellenberg GD, **Alzheimer Disease Genetics Consortium**, Farrer LA. Comprehensive search for Alzheimer disease susceptibility loci in the APOE region. *Arch Neurol.* 2012 Oct;69(10):1270-9. PMID: 22869155; PMC3579659
39. Miyashita A, **Alzheimer Disease Genetics Consortium**, et al. *SORL1* is genetically associated with late-onset Alzheimer's disease in Japanese, Koreans and Caucasians. *PLoS One.* 2013;8(4):e58618. PMID: 23565137; PMC3614978
40. Reitz C, Jun G, Naj A, Rajbhandary R, Vardarajan BN, Wang LS, Valladares O, Lin CF, Larson EB, Graff-Radford NR, Evans D, De Jager PL, Crane PK, Buxbaum JD, Murrell JR, Raj T, Ertekin-Taner N, Logue M, Baldwin CT, Green RC, Barnes LL, Cantwell LB, Fallin MD, Go RC, Griffith P, Obisesan TO, Manly JJ, Lunetta KL, Kamboh MI, Lopez OL, Bennett DA, Hendrie H, Hall KS, Goate AM, Byrd GS, Kukull WA, Foroud TM, Haines JL, Farrer LA, Pericak-Vance MA, Schellenberg GD, Mayeux R, **Alzheimer Disease Genetics Consortium.** Variants in the ATP-binding cassette transporter (*ABCA7*), apolipoprotein ϵ e4, and the risk of late-onset Alzheimer disease in African Americans. *JAMA.* 2013 Apr 10;309(14):1483-92. PMID: 23571587; PMC3667653
41. Cholerton B, Larson EB, Baker LD, Craft S, Crane PK, Millard SP, **Sonnen JA**, Montine TJ. Neuropathologic correlates of cognition in a population-based sample. *J Alzheimers Dis.* 2013;36(4):699-709. PMID: 23666176; PMC3737376
42. Ridge PG, Mukherjee S, Crane PK, Kauwe JS, **Alzheimer Disease Genetics Consortium.** Alzheimer's disease: analyzing the missing heritability. *PLoS One.* 2013 Nov 7;8(11):e79771. PMID: 24244562; PMC3820606
43. Reitz C, Mayeux R, **Alzheimer Disease Genetics Consortium.** *TREM2* and neurodegenerative disease. *N Engl J Med.* 2013 Oct 17;369(16):1564-5. PMID: 24131184; PMC3980568
44. Holton P, **Alzheimer's Disease Genetics Consortium**, et al. Initial assessment of the pathogenic mechanisms of the recently identified Alzheimer risk Loci. *Ann Hum Genet.* 2013 Mar;77(2):85-105. PMID: 23360175; PMC3578142
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Current Alzheimer Research, ad hoc	2014-Present
Clinical Journal of the American Society of Nephrology, ad hoc	2014-Present
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Journal of Neuropathology & Experimental Neurology, ad hoc	2019-Present

Awards and Presentations

Junior Faculty Travel Award, International Conference on Alzheimer's Disease, Honolulu	2010
Young researcher travel award VAS-COG, San Antonio, Texas	2007
Platform Presentation, Markers of Neurogenesis and Repair in Alzheimer Disease, Annual Meeting of the American Academy of Neuropathologists, Orlando, Florida	2003
Deans Scholar, School of Letters, Arts and Science at the University of Southern California	1994-1998

Invited Lectures

<i>The neuropathology of common dementing illnesses</i> University of North Carolina, Chapel Hill, NC	2022
<i>The neuropathology of common dementing illnesses: measurement and medication.</i> McGill University, Montreal, Quebec, Canada	2018
<i>Pharmacoepineuropathology.</i> Rush University, Chicago, IL	2017
<i>The neuropathology of common dementing illnesses: measurement and medication.</i> Stanford University, Palo Alto, CA	2017
<i>The neuropathology of common dementing illnesses: measurement and medication.</i> Biogen, Inc. Cambridge, MA	2017
<i>Neuroepidemiology and neuropathology for common dementing illnesses.</i> Rush University, Chicago, IL	2017
<i>The neuropathology of common dementing illnesses and chronic medication exposures.</i> University of California San Diego, San Diego, CA	2017
<i>Common causes of dementia and cognitive impairment.</i> East Side Stroke Support Group, Bellevue, WA	2013
<i>Age-Related Neuropathology in Population/Community-based Cohorts.</i> University of Utah	2013
<i>Brain aging: neuropathology and epidemiology in population- representative cohorts.</i> University of Wisconsin	2012
<i>Neuropathology and epidemiology in population- and community-based cohorts.</i> University of Florida, Gainesville, FL	2012
<i>Neurodegenerative Disease.</i> Kathmandu Medical College Teaching Hospital, Kathmandu, Nepal	2012
<i>Brain aging: neuropathology and epidemiology in population- and community-based cohorts.</i> Saunders-Brown Institute on Aging. Lexington, KY	2011
<i>Brain aging: neuropathology and epidemiology in population- and community-representative cohorts.</i> University of California, Irvine	2011
<i>Headache: anatomy and physiology.</i> Headache and Multiple Sclerosis Center. Seattle, WA	2011
<i>Neuropathology and epidemiology in population- and community-based cohorts.</i> Mayo Clinic. Rochester, MN	2011

Brain aging: neuropathology and epidemiology in population- and community-based cohorts. 2010
 University of Minnesota. Minneapolis

The Adult Changes in Thought study. Rush University. Chicago, IL 2009

Neuropathology of aging and dementia: perspectives on vascular disease. Stanford University 2008

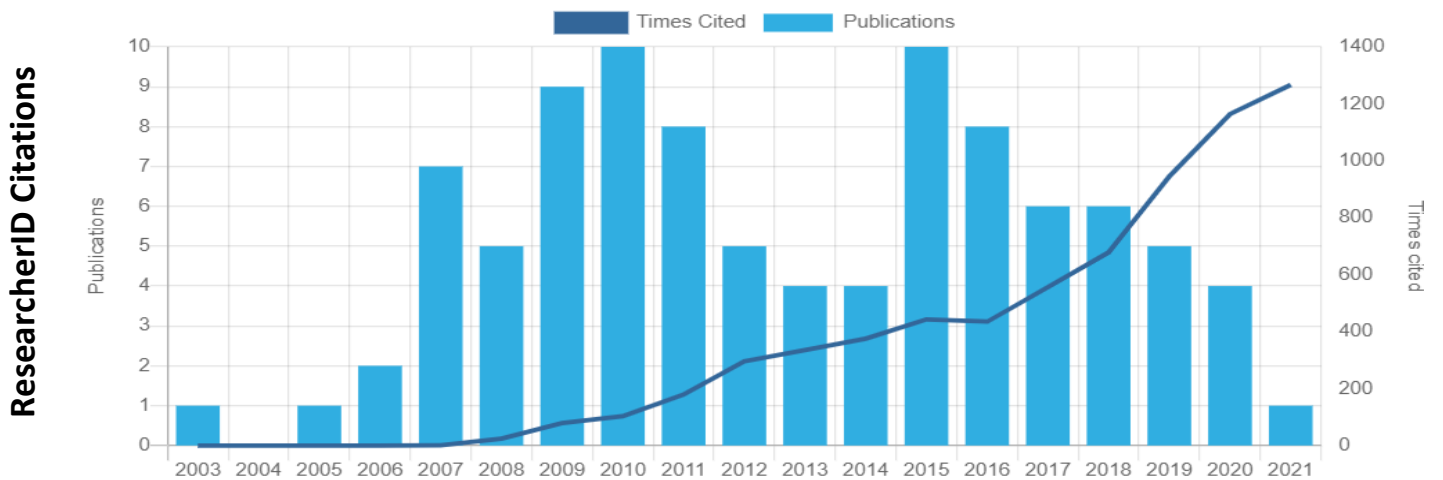
Common causes of dementia and the potential for prevention. Lecture series for the Alzheimer Disease Resource of Alaska. Anchorage, Homer and Wasilla, AK 2007

Publication Statistics

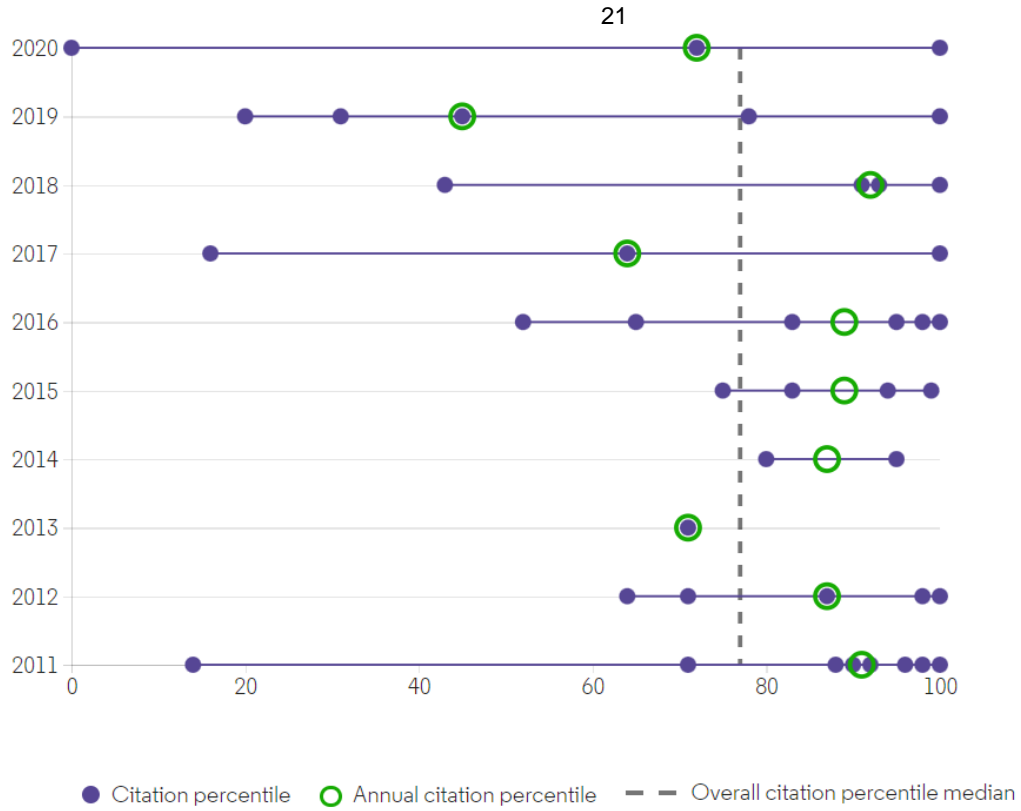
Sum of times cited: 6,883
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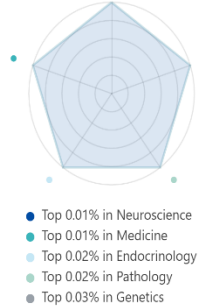
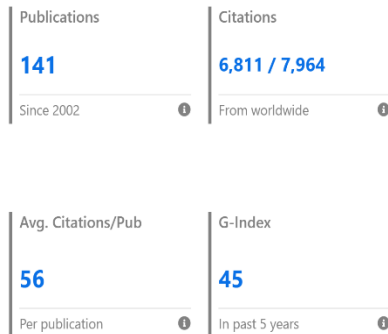
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Academic Ranking Statistics

Summary

Academic ranking

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