

*Curriculum Vitae*

**JOHN “KEONI” S.K. KAUWE, PHD**

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*Brigham Young University–Hawaii, #1971*  
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**PROFESSIONAL EXPERIENCE**

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2020 to present      BRIGHAM YOUNG UNIVERSITY–HAWAII, LAIE, HAWAII  
  
*President*

2016 to 2020      BRIGHAM YOUNG UNIVERSITY, PROVO, UT  
  
*Dean of Graduate Studies (2019 – 2020)*  
  
*Chair, Department of Biology (2018 – 2019)*  
  
*Associate Chair, Department of Biology (2016 – 2018)*

**EDUCATION**

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WASHINGTON UNIVERSITY, ST. LOUIS, MO

2008      *Post-Doctoral Fellowship, Alzheimer’s disease biomarkers and genetics*

2007      *Ph.D. in Evolution, Ecology and Population Biology*

BRIGHAM YOUNG UNIVERSITY, PROVO, UT

2003      *M.S. in Population Genetics*

1999      *B.S. in Molecular Biology*

**ACADEMIC POSITIONS AND AFFILIATIONS**

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2019 – present      *Visiting Professor, Department of Psychiatry, Washington University*

- 2018 – *present*     **Professor**, Department of Biology, Brigham Young University
- 2014 – 2018     **Associate Professor**, Department of Biology, Brigham Young University
- 2008 – 2014     **Assistant Professor**, Department of Biology, Brigham Young University
- 2007 – 2008     **Postdoctoral Research Scholar**, Washington University School of Medicine
- 2004 – 2007     **Ph.D. Student**, Lab of Dr. Alison Goate, Washington University
- 2004     **Graduate Research Assistant**, Lab of Dr. Brian Suarez, Washington University
- 2004     **Graduate Research Assistant**, Lab of Dr. Alan Templeton, Washington University
- 2003     **Graduate Research Assistant**, Lab of Dr. Alison Goate, Washington University
- 2001 – 2003     **M.S. Thesis**, Lab of Dr. Dennis Shiozawa, Brigham Young University
- 1996 – 1999     **Undergraduate Research Assistant**, Brigham Young University

## TEACHING EXPERIENCE

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- 2009 – *Present*     **Instructor**, Brigham Young University
- Designed and presented course materials for general biology for majors; introduction to Bioinformatics; genetics of human disease; and science of biology
- 2008     **Instructor**, Washington University in St. Louis
- Designed and presented course materials for “Research Focus”, a course designed to prepare freshman for pursuing a career in research
- 2008     **Lecturer**, Washington University School of Medicine
- Presented on “Genetics and Model Organisms” for the Medical School course entitled “Medical Genetics”
- 2005 – 2006     **Teaching Assistant**, Washington University
- Presented lectures and assisted in exam grading and preparation for courses in “Population Genetics” and “Evolution”
- 2002 – 2003     **Adjunct Faculty**, Utah Valley University
- Designed and presented lectures, wrote tests, and evaluated papers for Biology 1010: Biology course
- 2001 – 2002     **Instructor**, Brigham Young University
- Designed class activities and taught field methods for “Methods in Ecology” course

## **OTHER EXPERIENCE**

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- 2019-Present     **Consultant**
- NAD RCMAR Expert Alzheimer's Disease and related Dementias Group.
- 2016     **Organizing Committee Member**
- LDS Life Science Research Symposium
- 2014-2015     **Panelist and Committee Member**
- NIH Alzheimer's Disease Research Summit
- 2013-Present     **Principal Investigator and Associate Director**
- BYU Rheumatic Relief Internship Program
- 2013-2016     **Scientific Lead**
- SAGE/DREAM Alzheimer's disease Big Data Challenge
- 2010-Present     **Consultant**
- Genoma LLC; Genetic analysis of complex traits.
- 2008-Present     **Consultant**
- King's View LLC; Evaluate research and technology and provide scientific advice relating to investment decisions.
- 2005-2008     **Coordinator**
- Biomedical Research Apprenticeship Program Lecture Series. Organized and moderated the summer lecture series.
- 2002-2003     **Vice President**
- Brigham Young University Graduate Student Association. Directed publicity and organized events.

## **EXTRAMURAL RESEARCH GRANTS (Total Funding: \$6,397,051)**

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- 2020     **National Institutes of Health National Institute on Aging RF1 AG054052-01S1**  
Research Supplements to Promote Diversity in Health-Related Research  
Role: Principal Investigator  
Funding Period: 04/15/2020-03/31/2021     Total Funding: \$76,296
- 2018     **Jay L Smith Foundation**  
Identification of Alzheimer's disease Risk Variants in High-Risk Pedigrees  
Role: Principal  
Funding Period: 01/01/2019 -12/31/2019     Total Funding: \$15,000
- 2017     **Jay L Smith Foundation**  
Identification of Alzheimer's disease Risk Variants in High-Risk Pedigrees  
Role: Principal  
Funding Period: 01/01/2018 -12/31/2018     Total Funding: \$20,000

- 2017 **National Institutes of Health National Institute on Aging**  
 Integrative Network Modeling of Cognitive Resilience to AD  
 Role: Subcontract PI  
 Funding Period: 09/01/2017-08/03/2022 Total Funding: \$185,680
- 2016 **National Institute of Health National Institute on Aging 1 RF1 AG054052-01**  
 Epidemiology of Alzheimer's disease resilience and risk pedigrees  
 Role: Principal Investigator  
 Funding Period: 09/01/2016-06/30/2021 Total Funding: \$3,528,416
- 2016 **National Institutes of Health National Institute on Aging R01 AG054060**  
 Pleiotropy GWAS of Alzheimer's disease (A. Naj PI)  
 Role: Co-Investigator  
 Funding Period: 09/01/2016 - 4/30/2020 Total Funding: \$104,958
- 2016 **National Science Foundation**  
 MRI: Acquisition of a PacBio Sequel System (S.M. Bybee PI)  
 Role: Co-investigator  
 Funding Period: 09/01/2016-08/30/2019 Total Funding: \$307,723
- 2016 **Monsanto Fund – US Site Grants**  
 Molokai High School Genomic Research  
 Role: Principal Investigator  
 Funding Period: 06/01/2016-12/31/2016 Total Funding: \$20,000
- 2015 **National Institutes of Health National Institute on Aging R01 AG042611-03S1**  
 Research Supplements to Promote Diversity in Health-Related Research  
 Role: Principal Investigator  
 Funding Period: 09/01/2015-12/31/2017 Total Funding: \$69,140
- 2015 **National Institutes of Health National Institute on Aging R01 AG042611-03S2**  
 Research Supplements to Promote Diversity in Health-Related Research  
 Role: Principal Investigator  
 Funding Period: 09/01/2015-12/31/2017 Total Funding: \$69,140
- 2013 **Charleston Conference on Alzheimer's Disease New Vision Grant**  
 Familial study of healthy, high-risk controls in Alzheimer's disease risk pedigrees  
 Role: Principal Investigator  
 Funding Period: 03/01/2013-02/28/2014 Total Funding: \$50,000
- 2012 **Utah DWR Research Grant**  
 Nuclear and Mitochondrial DNA Analysis of Cutthroat Trout  
 Role: Co-Principal Investigator  
 Funding Period: 09/01/2012-12/31/2017 Total Funding: \$231,000
- 2012 **National Institutes of Health National Institute on Aging R01 AG042611**  
 Pleiotropic and Interaction Effects on Alzheimer's disease Risk and Progression  
 Role: Principal Investigator  
 Funding Period: 09/01/2012-12/31/2017 Total Funding: \$1,318,126
- 2011 **Alzheimer's Association Mentored New Investigator Research Grant**

- Genetic and Environmental Influences on Rate of Progression of Alzheimer's disease  
 Role: Principal Investigator  
 Funding Period: 08/01/11-07/31/14 Total Funding: \$149,831
- 2010 **National Institutes of Health National Institute on Aging R01 AG035083**  
 Use of Endophenotypes in the Search for Alzheimer's disease Risk Genes (A. Goate PI)  
 Role: Subcontract Principal Investigator  
 Funding Period: 09/01/2010-08/31/2015 Total Funding: \$97,422
- 2009 **National Institutes of Health National Institute on Aging R01 AG016208**  
 Genomic Search for Susceptibility to Alzheimer's disease (A. Goate PI)  
 Role: Subcontract Principal Investigator  
 Funding Period: 09/01/2009-08/31/2011 Total Funding: \$154,319

### **EXTRAMURAL AWARDS AND DISTINCTIONS**

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- 2014 McMillian Award for Excellence in Alzheimer's Disease Research  
 2012 Charleston Conference on Alzheimer's Fellow  
 2009 Excellence in Research Oral Presentation Award, NIDDK NMRI  
 2009 Human Genome Variation and Complex Genome Analysis Travel Award  
 2008 Human Genome Variation and Complex Genome Analysis Travel Award  
 2008 Ford Foundation Postdoctoral Fellowship (declined)  
 2008 International Conference on Alzheimer's disease Travel Fellowship  
 2008 Hope Center for Neurological Disorders Postdoctoral Fellowship  
 2007 NIH Training Grant Fellow T32 MH14677  
 2007 Human Genome Variation 2007 Poster Presentation Contest Winner  
 2007 Human Genome Variation and Complex Genome Analysis Travel Award  
 2007 Alzheimer's Disease Biomarkers Meeting Outstanding Poster Award  
 2005 Ford Foundation Pre-Doctoral Fellowship  
 2004 NIH Training Grant Fellow "Genome Analysis Training Program"  
 1996 Robert C. Byrd Federal Academic Merit Scholarship

### **INTRAMURAL RESEARCH GRANTS (Kauwe PI on all items)**

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- 2019 CEMENT Mentoring Supplement Award  
 2018 CEMENT Mentoring Supplement Award  
 2018 Bobbit Research Award  
 2017 CEMENT Mentoring Supplement Award  
 2017 Technology Transfer Grant  
 2017 Mentored Research Environment Grant, Brigham Young University  
 2016 Bobbitt Heart Disease Grant  
 2016 Bobbitt Inflammation Grant  
 2015 Bobbitt Alzheimer's Disease Grant  
 2015 Mentored Research Environment Grant, Brigham Young University  
 2014 Mentored Research Environment Grant, Brigham Young University  
 2013 BYU Gerontology Program Grant

2013	Mentored Research Environment Grant, Brigham Young University
2012	John A. Widtsoe Grant, Brigham Young University
2012	Mentored Research Environment Grant, Brigham Young University
2012	BYU Gerontology Program Grant
2011	Mentored Research Environment Grant, Brigham Young University
2011	BYU Gerontology Program Grant
2010	Mentored Research Environment Grant, Brigham Young University
2003	Brigham Young University Integrative Biology Department Travel Grant
2002	Brigham Young University Integrative Biology Department Travel Grant

## **INTRAMURAL AWARDS AND DISTINCTIONS**

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2015	BYU Sponsored Research Award
2013	BYU Young Scholar Award
2007	Poletsky Award for Research in Alzheimer's disease
2007	O'Leary Award for Research in Neuroscience Finalist
2003	Brigham Young University Research Presentation Award
2002	D. Elden Beck Natural History Award
2002	Brigham Young University Research Presentation Award
1996	Brigham Young University Full Tuition Academic Scholarship

## **EDITORIAL ACTIVITIES**

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Senior Editor, Alzheimer's & Dementia

*Ad Hoc Reviewer:*

- . Alzheimer's & Dementia
- . American Journal of Medical Genetics Part B: Neuropsychiatric Genetics
- . Archives of Neurology
- . Archives of General Psychiatry
- . Bioinformatics
- . Biological Psychiatry
- . Brain Imaging and Behavior
- . Dementia and Geriatric Cognitive Disorders European Journal of Human Genetics
- . Future Neurology
- . Human Molecular Genetics JAMA Neurology
- . Medical Principles and Practice
- . Molecular Ecology
- . Molecular Psychiatry
- . Nature Medicine
- . Neuroscience Letters
- . Neurobiology of Aging
- . Neuromolecular Medicine
- . Neuropsychiatric Genetics
- . PeerJ
- . Pharmacogenomics

- . PLoS ONE
- . PLoS Genetics
- . Proceedings of the National Academy of Sciences
- . Science Translational Medicine
- . The International Journal of Neuroscience
- . The Journal of Alzheimer's Disease
- . The Journal of Neurological Sciences
- . Translational Psychiatry

## GRANT REVIEW

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### Ad Hoc Reviewer:

- . Alzheimer's Association
- . Alzheimer's Society UK
- . Austrian Science Fund
- . BrightFocus Foundation
- . Department of Veteran's Affairs
- . Dutch Research Council (NWO)
- . Knight Alzheimer's Disease Research Center
- . Nathan Shock Center for Excellence in the Basic Biology of Aging
- . NIH National Institute on Aging Neuroscience Study Section
- . Parkinson's UK
- . Ser Cymru II
- . Swiss National Science Foundation
- . University of Utah Center on Aging
- . National Oceanic and Atmospheric Administration

## CONSORTIUM MEMBERSHIPS

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- . Alzheimer's Disease Genetics Consortium (Biomarker Group)
- . Genetic and Environmental Risk in Alzheimer's Disease (GERAD)
- . Alzheimer's Disease Neuroimaging Initiative (Genetics Core)
- . Alzheimer's Disease Sequencing Project (Protective Variants Group)

## PEER-REVIEWED JOURNAL ARTICLES (ASTERICK INDICATES LEAD/SENIOR AUTHOR)

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*Total publications: 127*

*\*Lead/Senior Author: 50*

\*Hodgman MW, Miller JB, Meurs TE, **Kauwe JSK** (2020). "CUBAP: an interactive web portal for analyzing codon usage biases across populations." *Nucleic Acids Research*, Oct 12:gkaa863. doi: 10.1093/nar/gkaa863.

Katsumata, Y., Abner, E.L., Karanth, S. et al. (including **Kauwe JSK**), Nelson PT (2020). "Distinct clinicopathologic clusters of persons with TDP-43 proteinopathy." *Acta Neuropathol* **140**, 659–674 <https://doi.org/10.1007/s00401-020-02211-0>.

\*Miller JB, **Kauwe JSK** (2020). “Predicting Clinical Dementia Rating Using Blood RNA Levels.” *Genes (Basel)*. 2020;11(6):E706. Published 2020 Jun 26. doi:10.3390/genes11060706

Sherva R, Gross A, Mukherjee S, Koesterer R, Amouyel P, Bellengues C, Dufouil C, Bennett DA, et al. (including **Kauwe JSK**), Green RC (2020). Genome-wide association study of rate of cognitive decline in Alzheimer's disease patients identifies novel genes and pathways [published online ahead of print, 2020 Jun 23]. *Alzheimers Dement*. 2020;10.1002/alz.12106. doi:10.1002/alz.12106

\*Miller JB, Ward E, Staley LA, Stevens J, Teerlink CC, Tavana JP, Cloward M, Page M, Dayton L, Alzheimer's Disease Genetics Consortium, Cannon-Albright LA, **Kauwe JSK** (2020). “Identification and genomic analysis of pedigrees with exceptional longevity identifies candidate rare variants” [published online ahead of print, 2020 Jun 21]. *Neurobiol Dis*. 2020;143:104972. doi:10.1016/j.nbd.2020.104972

\*Murcia JDG, Weinert A, Freitas CMT, Arens DK, Ferrel MN, Grose JH, Ridge PG, Wilson E, **Kauwe JSK**, Weber S (2020). “Atypical chemokine receptor ACKR2-V41A has decreased CCL2 binding, scavenging, and activation, supporting sustained inflammation and increased Alzheimer's disease risk.” *Sci Rep*. 10(1):8019.

Miller JB, McKinnon LM, Whiting MF, **Kauwe JSK**, Ridge PG (2020). “Codon Pairs are Phylogenetically Conserved: A comprehensive analysis of codon pairing conservation across the Tree of Life.” *PLoS One*. 15(5):e0232260.

Strickland SL, Reddy JS, Allen M, N'songo A, Burgess JD, Corda MM, Ballard T, Wang X, Carrasquillo MM, et al. (including **Kauwe JSK**), Ertekin-Taner N (2020). “MAPT haplotype-stratified GWAS reveals differential association for AD risk variants.” *Alzheimers Dement*. 10.1002/alz.12099.

\*Vance E, Gonzalez Murcia JD, Miller JB, Alzheimer's Disease Genetics Consortium (ADGC), Staley L, Crane PK, Mukherjee S, **Kauwe JSK** (2020). “Failure to detect synergy between variants in transferrin and hemochromatosis and Alzheimer's disease in large cohort.” *Neurobiol Aging*. 89:142.e9-142.e12.

Sanders CL, Rattinger GB, Pharm.D., DeBerard MS, Hammond, AG, Wengreen,H, **Kauwe JS**, Buhusi M, Tschanz JT. (2019.) “Interaction between Physical Activity and Genes Related to Neurotrophin Signaling in Late-Life Cognitive Performance: The Cache County Study.” *J Gerontol A Biol Sci Med Sci*. doi: 10.1093/gerona/glz200. [Epub ahead of print]

Ebbert M, Jensen TD, Jansen-West K, Sens JP, Reddy JS, Ridge PG, **Kauwe JS**, Belzil V, Pregent L, Carrasquillo MM, et al. (2019). “Systematic analysis of dark and camouflaged genes reveals disease-relevant genes hiding in plain sight.” *Genome biology*. 20(1):97.

\*Wright SM, Jensen SL, Cockriel KL, Davis B, Tschanz JT, Munger RG, Corcoran CD, **Kauwe JS** (2019). “Association study of rs3846662 with Alzheimer's disease in a population-based cohort: the Cache County Study.” *Neurobiology of aging*. S0197-4580(19)30082-X.

\*Cannon-Albright LA, Foster NL, Schliep K, Farnham JM, Teerlink CC, Kaddas H, Tschanz J, Corcoran C, **Kauwe JS** (2019). “Relative risk for Alzheimer disease based on complete family history.” *Neurology*. 92:e1-e9.



Patel D, Mez J, Vardarajan BN, Staley L, Chung J, Zhang X, Farrell JJ, Rynkiewicz MJ, Cannon-Albright LA, Teerlink CC, et al. (including **Kauwe JSK**), Farrer LA (2019). "Association of Rare Coding Mutations with Alzheimer Disease and Other Dementias Among Adults of European Ancestry." *JAMA network open*. 2(3):e191350.

Kunkle BW, Grenier-Boley B, Sims R, Bis JC, Damotte V, Naj AC, Boland A, Vronskaya M, van der Lee SJ, Amlie-Wolf A, et al. (including **Kauwe JSK**), Pericak-Vance MA. (2019). "Genetic meta-analysis of diagnosed Alzheimer's disease identified new risk loci and implicates A $\beta$ , tau, immunity and lipid processing." *Nature Genetics*. 51(3):414-430.

Tavana JP, Jensen NO, Rosene M, Ridge PG, **Kauwe JS**, Karch CM. (2018). "RAB10: an Alzheimer's disease resilience locus and potential drug target." *Clinical Interventions in Aging*. 2019(14):73-79.

\*Sexton CE, Ebbert M, Miller RH, Meganne Ferrel JT, Corcoran CD, Ridge PG, **Kauwe JS**. (2018). "Common DNA Variants Accurately Rank an Individual of Extreme Height." *International Journal of Genomics*. doi.org/10.1155/2018/5121540

\*Maxwell TJ, Corcoran C, Del-Aguila JL, Budde JP, Deming Y, Cruchaga C, Goate AM, **Kauwe JS**. (2018). "Genome-wide association study for variants that modulate relationships between cerebrospinal fluid amyloid-beta 42, tau, and p-tau levels." *Alzheimer's research and therapy*. 10(1):86.

Cannon-Albright LA, Dintelman S, Maness T, Cerny J, Thomas A, Backus S, Farnham JM, Teerlink CC, Contreras J, **Kauwe JS**, Meyer LJ. (2018). "Population genealogy resource shows evidence of familial clustering for Alzheimer disease." *Neurology: Genetics*. 4(4):e249.

Anttila V, Bulik-Sullivan B, Finucane HK, Walters RK, Bras J, Duncan L, Escott-Price V, Falcone GJ, Gormley P, Malik R, et al. (including **Kauwe JSK**), Murray R. (2018). "Analysis of shared heritability in common disorders of the brain." *Science*. 360(6395).

\*Ridge PG, **Kauwe JS**. (2018). "Mitochondria and Alzheimer's disease: the role of mitochondrial genetic variation." *Current Genetic Medicine Reports*. 6:1-10.

Sassi C, Nalls MA, Ridge PG, Gibbs R, Lupton MK, Troakes C, Lunnon K, Al-Sarraj S, Brown KS, Medway C, et al. (including **Kauwe, JSK**), Hardy J. (2018). "Mendelian adult-onset leukodystrophy genes in Alzheimer's disease: critical influence of CSF1R and NOTCH3." *Neurobiol Aging*. 66:179.e17-179.e29.

\*Ridge PG, Wadsworth ME, Miller JB, Saykin AJ, Green RC, **Kauwe JS** (2018). "Assembly of 809 whole mitochondrial genomes with clinical, imaging, and fluid biomarker phenotyping." *Alzheimer's & Dementia*. doi:10.1016/j.jalz.2017.11.013

Averill LA, Averill CL, Staley LA, Osawa-Kirk JL, **Kauwe JS**, Henri-Barrus P (2017). "The Opioid Abuse Risk Screener predicts aberrant same-day urine drug tests and 1-year controlled substance database checks: A brief report." *Health Psychology Open*. 4(2).

\*Ridge PG, Karch CM, Hsu S, Arano I, Teerlink CC, Ebbert MT, Farnham JM, et al., **Kauwe, JSK** (2017). "Linkage, whole genome sequence, and biological data implicate variants in RAB10 in Alzheimer's disease resilience." *Genome Medicine*. 9:100.

Sims R, SJ van der Lee, AC Naj, C Bellenguez, N Badarinarayan, J Jakobsdottir, et al. (including **Kauwe JSK**), G. D. Schellenberg (2017). "Rare coding variants in *PLCG2*, *ABI3*, and *TREM2* implicate microglial-mediated innate immunity in Alzheimer's disease." *Nat Genet.* 49(9): 1371-1384.

Steele NZ, Carr JS, Bonham LW, Geier EG, Damotte V, Miller ZA, et al. (including **Kauwe JSK**), Yokoyama JS (2017). "Fine-mapping of the human leukocyte antigen locus as a risk factor for Alzheimer disease: A case-control study." *PLoS Med.* 14(3): e1002272.

Parks T, Mirabel MM, Kado J, Auckland K, Nowak J, Rautanen A, et al. (including **Kauwe JSK**), Pacific Islands Rheumatic Heart Disease Genetics N (2017). "Association between a common immunoglobulin heavy chain allele and rheumatic heart disease risk in Oceania." *Nat Commun.* 8: 14946.

Mukherjee S, Russell JC, Carr DT, Burgess JD, Allen M, Serie DJ, et al. (including **Kauwe JSK**), Crane PK (2017). "Systems biology approach to late-onset Alzheimer's disease genome-wide association study identifies novel candidate genes validated using brain expression data and *Caenorhabditis elegans* experiments." *Alzheimers Dement.* 13(10):1133-1142.

Matyi J, Tschanz JT, Rattinger GB, Sanders C, Vernon EK, Corcoran C, et al. (including **Kauwe JSK**), Buhusi M (2017). "Sex Differences in Risk for Alzheimer's Disease Related to Neurotrophin Gene Polymorphisms: The Cache County Memory Study." *J Gerontol A Biol Sci Med Sci.* 72(12):1607-1613.

Jun GR, Chung J, Mez J, Barber R, Beecham GW, Bennett DA, et al. (including **Kauwe JSK**), Farrer LA (2017). "Transethnic genome-wide scan identifies novel Alzheimer's disease loci." *Alzheimers Dement.* 13(7):727-738.

Huang KL, Marcora E, Pimenova AA, Di Narzo AF, Kapoor M, Jin SC, et al. (including **Kauwe JSK**), Goate AM (2017). "A common haplotype lowers *PU.1* expression in myeloid cells and delays onset of Alzheimer's disease." *Nat Neurosci.* 20(8):1052-1061.

Haddick PC, Larson JL, Rathore N, Bhangale TR, Phung QT, Srinivasan K, et al. (including **Kauwe JSK**), van der Brug M (2017). "A Common Variant of *IL-6R* is Associated with Elevated *IL-6* Pathway Activity in Alzheimer's Disease Brains." *J Alzheimers Dis.* 56(3): 1037-1054.

Fardo DW, Katsumata Y, **Kauwe JSK**, Deming Y, Harari O, Cruchaga C, et al., Nelson PT (2017). "CSF protein changes associated with hippocampal sclerosis risk gene variants highlight impact of *GRN/PGRN*." *Exp Gerontol.* 90: 83-89.

Deming Y, Li Z, Kapoor M, Harari O, Del-Aguila JL, Black K, et al. (including **Kauwe JSK**), Cruchaga C (2017). "Genome-wide association study identifies four novel loci associated with Alzheimer's endophenotypes and disease modifiers." *Acta Neuropathol.* 133(5): 839-856.

Chapuis J, Flaig A, Grenier-Boley B, Eysert F, Pottiez V, Deloison G, et al. (including **Kauwe JSK**), ADGC, ADNI (2017). "Genome-wide, high-content siRNA screening identifies the Alzheimer's genetic risk factor *FERMT2* as a major modulator of *APP* metabolism." *Acta Neuropathol.* 133(6): 955-966.

Anand S, Barnes JM, Young SA, Garcia DM, Tolley HD, **Kauwe JSK** and Graves SW (2017). "Discovery and Confirmation of Diagnostic Serum Lipid Biomarkers for Alzheimer's Disease Using Direct Infusion Mass Spectrometry." *J Alzheimers Dis.* 59: 277-290.

\*Allen LB, Taylor FH, Kauwe AI, Larsen T, Hippen AA, Allen M and **Kauwe JSK** (2017). "Using the Health Belief Model to evaluate Samoan caregiver perceptions for rheumatic heart disease follow-up care." *International Journal of Health Promotion and Education*. 55(3): 148-157.

\*Staley LA, Ebbert MT, Parker S, Bailey M, Alzheimer's Disease Neuroimaging I, Ridge PG, et al., **Kauwe JSK** (2016). "Genome-wide association study of prolactin levels in blood plasma and cerebrospinal fluid." *BMC Genomics*. 17 Suppl 3: 436.

\*Staley LA, Ebbert MT, Bunker D, Bailey M, Alzheimer's Disease Neuroimaging I, Ridge PG, et al., **Kauwe JSK** (2016). "Variants in ACPD are associated with cerebrospinal fluid Prostatic Acid Phosphatase levels." *BMC Genomics*. 17 Suppl 3: 439.

Shah DJ, Rohlfing F, Anand S, Johnson WE, Alvarez MT, Cobell J, et al. (including **Kauwe JSK**), Graves SW (2016). "Discovery and Subsequent Confirmation of Novel Serum Biomarkers Diagnosing Alzheimer's Disease." *J Alzheimers Dis*. 49(2): 317-327.

Sassi C, Ridge PG, Nalls MA, Gibbs R, Ding J, Lupton MK, et al. (including **Kauwe JSK**), Hardy J (2016). "Influence of Coding Variability in APP-Abeta Metabolism Genes in Sporadic Alzheimer's Disease." *PLoS One*. 11(6): e0150079.

Sassi C, Nalls MA, Ridge PG, Gibbs JR, Ding J, Lupton MK, et al. (including **Kauwe JSK**), Hardy J (2016). "ABCA7 p. G215S as potential protective factor for Alzheimer's disease." *Neurobiol Aging*. 46: 235 e231-239.

\*Ridge PG, Hoyt KB, Boehme K, Mukherjee S, Crane PK, Haines JL, et al., **Kauwe JSK**, Alzheimer's Disease Genetics C (2016). "Assessment of the genetic variance of late-onset Alzheimer's disease." *Neurobiol Aging*. 41: 200 e213-220.

Perry CE, Gale SD, Erickson L, Wilson E, Nielsen B, **Kauwe J** and Hedges DW (2016). "Seroprevalence and Serointensity of Latent Toxoplasma gondii in a Sample of Elderly Adults with and Without Alzheimer Disease." *Alzheimer Dis Assoc Disord*. 30(2): 123-126.

Oldoni E, Fumagalli GG, Serpente M, Fenoglio C, Scarioni M, Arighi A, et al. (including **Kauwe JSK**), Galimberti D (2016). "PRNP P39L Variant is a Rare Cause of Frontotemporal Dementia in Italian Population." *J Alzheimers Dis*. 50(2): 353-357.

Mez J, Mukherjee S, Thornton T, Fardo DW, Trittschuh E, Sutti S, et al. (including **Kauwe JSK**), Alzheimer's Disease Genetics C (2016). "The executive prominent/memory prominent spectrum in Alzheimer's disease is highly heritable." *Neurobiol Aging*. 41: 115-121.

\***Kauwe JS** and Goate A (2016). "Genes for a 'Welllderly' Life." *Trends Mol Med*. 22(8): 637-639.

Jun G, Ibrahim-Verbaas CA, Vronskaya M, Lambert JC, Chung J, Naj AC, et al. (including **Kauwe JSK**), Farrer LA (2016). "A novel Alzheimer disease locus located near the gene encoding tau protein." *Mol Psychiatry*. 21(1): 108-117.

\*Hippen AA, Ebbert MT, Norton MC, Tschanz JT, Munger RG, Corcoran CD and **Kauwe JS** (2016). "Presenilin E318G variant and Alzheimer's disease risk: the Cache County study." *BMC Genomics*. 17 Suppl 3: 438.

Ebbert MT, Wadsworth ME, Staley LA, Hoyt KL, Pickett B, Miller J, et al. (including **Kauwe JSK**), Ridge PG (2016). "Evaluating the necessity of PCR duplicate removal from next-generation sequencing data and a comparison of approaches." *BMC Bioinformatics*. 17 Suppl 7: 239.

\*Ebbert MT, Staley LA, Parker J, Parker S, Bailey M, Alzheimer's Disease Neuroimaging I, et al., **Kauwe JSK** (2016). "Variants in CCL16 are associated with blood plasma and cerebrospinal fluid CCL16 protein levels." *BMC Genomics*. 17 Suppl 3: 437.

\*Ebbert MT, Boehme KL, Wadsworth ME, Staley LA, Alzheimer's Disease Neuroimaging I, Alzheimer's Disease Genetics C, et al., **Kauwe JS** (2016). "Interaction between variants in CLU and MS4A4E modulates Alzheimer's disease risk." *Alzheimers Dement*. 12(2): 121-129.

Deming Y, Xia J, Cai Y, Lord J, Holmans P, Bertelsen S, et al. (including **Kauwe JSK**), Alzheimer's Disease Neuroimaging I (2016). "A potential endophenotype for Alzheimer's disease: cerebrospinal fluid clusterin." *Neurobiol Aging*. 37: 208 e201-209.

Deming Y, Xia J, Cai YF, Lord J, Del-Aguila JL, Fernandez MV, et al. (including **Kauwe JSK**), Adni (2016). "Genetic studies of plasma analytes identify novel potential biomarkers for several complex traits." *Scientific Reports*. 6.

Chen T, Moore TM, Ebbert MT, McVey NL, Madsen SR, Hallowell DM, et al. (including **Kauwe JSK**), Thomson DM (2016). "Liver kinase B1 inhibits the expression of inflammation-related genes postcontraction in skeletal muscle." *J Appl Physiol*. 120(8): 876-888.

Allen GI, Amoroso N, Anghel C, Balagurusamy V, Bare CJ, Beaton D, et al. (including **Kauwe JSK**), Alzheimer's Disease Neuroimaging I (2016). "Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease." *Alzheimers Dement*. 12(6): 645-653.

Wang LS, Naj AC, Graham RR, Crane PK, Kunkle BW, Cruchaga C, et al. (including **Kauwe JSK**), Yu L (2015). "Rarity of the Alzheimer disease-protective APP A673T variant in the United States." *JAMA Neurol*. 72(2): 209-216.

Saykin AJ, Shen L, Yao X, Kim S, Nho K, Risacher SL, et al. (including **Kauwe JSK**), Alzheimer's Disease Neuroimaging I (2015). "Genetic studies of quantitative MCI and AD phenotypes in ADNI: Progress, opportunities, and plans." *Alzheimers Dement*. 11(7): 792-814.

Ostergaard SD, Mukherjee S, Sharp SJ, Proitsi P, Lotta LA, Day F, et al. (including **Kauwe JSK**), Scott RA (2015). "Associations between Potentially Modifiable Risk Factors and Alzheimer Disease: A Mendelian Randomization Study." *PLoS Med*. 12(6):e1001841.

Mukherjee S, Walter S, **Kauwe JS**, Saykin AJ, Bennett DA, Larson EB, et al., Alzheimer's Disease Genetics C (2015). "Genetically predicted body mass index and Alzheimer's disease-related phenotypes in three large samples: Mendelian randomization analyses." *Alzheimers Dement*. 11(12): 1439-1451.

\*Lythgoe C, Perkes A, Peterson M, Schmutz C, Leary M, Ebbert MT, et al., **Kauwe JS** (2015). "Population-based analysis of cholesteryl ester transfer protein identifies association between I405V and cognitive decline: the Cache County Study." *Neurobiol Aging*. 36(1): 547 e541-543.

\*Ebbert MT, Ridge PG and **Kauwe JS** (2015). "Bridging the gap between statistical and biological epistasis in Alzheimer's disease." *Biomed Res Int*. 2015: 870123.

Shen, L, Thompson PM, Potkin SG, Bertram L, Farrer LA, Foroud TM, et al. (including Kauwe JSK), Alzheimer's Disease Neuroimaging I (2014). "Genetic analysis of quantitative phenotypes in AD and MCI: imaging, cognition and biomarkers." *Brain Imaging Behav.* 8(2): 183-207.

\*Sharp AR, Ridge PG, Bailey MH, Boehme KL, Norton MC, Tschanz JT, et al., **Kauwe JSK**, Alzheimer's Disease Neuroimaging I (2014). "Population substructure in Cache County, Utah: the Cache County study." *BMC Bioinformatics.* 15 Suppl 7: S8.

\*Ridge PG, Maxwell TJ, Foutz SJ, Bailey MH, Corcoran CD, Tschanz JT, et al., **Kauwe JS** (2014). "Mitochondrial genomic variation associated with higher mitochondrial copy number: the Cache County Study on Memory Health and Aging." *BMC Bioinformatics.* 15 Suppl 7: S6.

\*Peterson D, Munger C, Crowley J, Corcoran C, Cruchaga C, Goate AM, et al., **Kauwe, JSK** (2014). "Variants in PPP3R1 and MAPT are associated with more rapid functional decline in Alzheimer's disease: the Cache County Dementia Progression Study." *Alzheimers Dement.* 10(3): 366-371.

Naj AC, Jun G, Reitz C, Kunkle BW, Perry W, Park YS, et al. (including **Kauwe JSK**), Yu L (2014). "Effects of multiple genetic loci on age at onset in late-onset Alzheimer disease: a genome-wide association study." *JAMA Neurol.* 71(11): 1394-1404.

\***Kauwe JS**, Bailey MH, Ridge PG, Perry R, Wadsworth ME, Hoyt KL, et al., Goate AM (2014). "Genome-wide association study of CSF levels of 59 Alzheimer's disease candidate proteins: significant associations with proteins involved in amyloid processing and inflammation." *PLoS Genet.* 10(10): e1004758.

Harari O, Cruchaga C, **Kauwe JS**, Ainscough BJ, Bales K, Pickering EH, et al., Alzheimer's Disease Neuroimaging I (2014). "Phosphorylated tau-Abeta42 ratio as a continuous trait for biomarker discovery for early-stage Alzheimer's disease in multiplex immunoassay panels of cerebrospinal fluid." *Biol Psychiatry.* 75(9): 723-731.

Gross AL, Sherva R, Mukherjee S, Newhouse S, **Kauwe JS**, Munsie LM, et al., Consortium ADG (2014). "Calibrating longitudinal cognition in Alzheimer's disease across diverse test batteries and datasets." *Neuroepidemiology.* 43(3-4): 194-205.

Escott-Price V, Bellenguez C, Wang LS, Choi SH, Harold D, Jones L, et al. (including **Kauwe JSK**), Cardiovascular Health S (2014). "Gene-wide analysis detects two new susceptibility genes for Alzheimer's disease." *PLoS One.* 9(6): e94661.

Ebbert MT, Wadsworth ME, Boehme KL, Hoyt KL, Sharp AR, O'Fallon BD, et al. (including **Kauwe JSK**), Ridge PG (2014). "Variant Tool Chest: an improved tool to analyze and manipulate variant call format (VCF) files." *BMC Bioinformatics.* 15 Suppl 7: S12.

\*Ebbert MT, Ridge PG, Wilson AR, Sharp AR, Bailey M, Norton MC, et al., **Kauwe JS** (2014). "Population-based analysis of Alzheimer's disease risk alleles implicates genetic interactions." *Biol Psychiatry.* 75(9): 732-737.

\*Dayton P, Feilmeier M, Hirschi J, Kauwe M and **Kauwe JS** (2014). "Observed changes in radiographic measurements of the first ray after frontal plane rotation of the first metatarsal in a cadaveric foot model." *J Foot Ankle Surg.* 53(3): 274-278.

Dayton P, Kauwe M, **Kauwe JS**, Feilmeier M and Hirschi J (2014). "Observed changes in first metatarsal and medial cuneiform positions after first metatarsophalangeal joint arthrodesis." *J Foot Ankle Surg.* 53(1): 32-35.

Cruchaga C, Karch CM, Jin SC, Benitez BA, Cai Y, Guerreiro R, et al. (including **Kauwe JSK**), Goate AM (2014). "Rare coding variants in the phospholipase D3 gene confer risk for Alzheimer's disease." *Nature.* 505(7484): 550-554.

\*Cruchaga C, Ebbert MT and **Kauwe JS** (2014). "Genetic discoveries in AD using CSF amyloid and tau." *Curr Genet Med Rep.* 2(1): 23-29.

Cao Y, Wei P, Bailey M, **Kauwe JS**, Maxwell TJ and Alzheimer's Disease Neuroimaging I (2014). "A versatile omnibus test for detecting mean and variance heterogeneity." *Genet Epidemiol.* 38(1): 51-59.

Benitez BA, Jin SC, Guerreiro R, Graham R, Lord J, Harold D, et al. (including **Kauwe JSK**), Cruchaga C (2014). "Missense variant in TREML2 protects against Alzheimer's disease." *Neurobiol Aging.* 35(6): 1510 e1519-1526.

Allen M, Kachadoorian M, Quicksall Z, Zou F, Chai HS, Younkin C, et al. (including **Kauwe JSK**), Ertekin-Taner N (2014). "Association of MAPT haplotypes with Alzheimer's disease risk and MAPT brain gene expression levels." *Alzheimers Res Ther.* 6(4): 39.

Seeley M, Clement MJ, Giraud-Carrier CG, Snell QO, Bodily P, Fujimoto S, **Kauwe JS**, Ridge PG. 2014. "A Structured Approach to Ensemble Learning for Alzheimer's Disease Prediction." New York, NY, USA: ACM doi: 10.1145/2649387.2660797

\*Ridge PG, Mukherjee S, Crane PK, **Kauwe JS** and Alzheimer's Disease Genetics C (2013). "Alzheimer's disease: analyzing the missing heritability." *PLoS One.* 8(11): e79771.

\*Ridge PG, Koop A, Maxwell TJ, Bailey MH, Swerdlow RH, **Kauwe JS**, et al., Alzheimer's Disease Neuroimaging I (2013). "Mitochondrial haplotypes associated with biomarkers for Alzheimer's disease." *PLoS One.* 8(9): e74158.

\*Ridge PG, Ebbert MT and **Kauwe JS** (2013). "Genetics of Alzheimer's disease." *Biomed Res Int.* 2013: 254954.

Lambert JC, Ibrahim-Verbaas CA, Harold D, Naj AC, Sims R, Bellenguez C, et al. (including **Kauwe JSK**), Amouyel P (2013). "Meta-analysis of 74,046 individuals identifies 11 new susceptibility loci for Alzheimer's disease." *Nat Genet.* 45(12): 1452-1458.

\***Kauwe JS**, Ridge PG, Foster NL and Cannon-Albright LA (2013). "Strong evidence for a genetic contribution to late-onset Alzheimer's disease mortality: a population-based study." *PLoS One.* 8(10): e77087.

Guerreiro R, Wojtas A, Bras J, Carrasquillo M, Rogaeva E, Majounie E, et al. (including **Kauwe JSK**), Alzheimer Genetic Analysis G (2013). "TREM2 variants in Alzheimer's disease." *N Engl J Med.* 368(2): 117-127.

\*Gonzalez Murcia JD, Schmutz C, Munger C, Perkes A, Gustin A, Peterson M, et al., **Kauwe JS** (2013). "Assessment of TREM2 rs75932628 association with Alzheimer's disease in a population-based sample: the Cache County Study." *Neurobiol Aging*. 34(12): 2889 e2811- 2883.

\*Cruchaga C, **Kauwe JS**, Harari O, Jin SC, Cai Y, Karch CM, et al., Goate AM (2013). "GWAS of cerebrospinal fluid tau levels identifies risk variants for Alzheimer's disease." *Neuron*. 78(2): 256-268.

\*Ridge PG, Maxwell TJ, Corcoran CD, Norton MC, Tschanz JT, O'Brien E, et al., **Kauwe JS** (2012). "Mitochondrial genomic analysis of late onset Alzheimer's disease reveals protective haplogroups H6A1A/H6A1B: the Cache County Study on Memory in Aging." *PLoS One*. 7(9): e45134.

Houston DD, Elzinga DB, Maughan PJ, Smith SM, **Kauwe JS**, Evans RP, et al., Shiozawa DK (2012). "Single nucleotide polymorphism discovery in cutthroat trout subspecies using genome reduction, barcoding, and 454 pyro-sequencing." *BMC Genomics*. 13: 724.

Gerrish A, Russo G, Richards A, Moskvina V, Ivanov D, Harold D, et al. (including **Kauwe JSK**), Williams J (2012). "The role of variation at AbetaPP, PSEN1, PSEN2, and MAPT in late onset Alzheimer's disease." *J Alzheimers Dis*. 28(2): 377-387.

Cruchaga C, **Kauwe JS**, Nowotny P, Bales K, Pickering EH, Mayo K, et al., Goate AM (2012). "Cerebrospinal fluid APOE levels: an endophenotype for genetic studies for Alzheimer's disease." *Hum Mol Genet*. 21(20): 4558-4571.

Overton ET, **Kauwe JS**, Paul R, Tashima K, Tate DF, Patel P, et al., Clifford DB (2011). "Performances on the CogState and standard neuropsychological batteries among HIV patients without dementia." *AIDS Behav*. 15(8): 1902-1909.

Naj AC, Jun G, Beecham GW, Wang LS, Vardarajan BN, Buross J, et al. (including **Kauwe JSK**), Schellenberg GD (2011). "Common variants at MS4A4/MS4A6E, CD2AP, CD33 and EPHA1 are associated with late-onset Alzheimer's disease." *Nat Genet*. 43(5): 436-441.

\***Kauwe JS**, Cruchaga C, Karch CM, Sadler B, Lee M, Mayo K, et al., Goate AM (2011). "Fine mapping of genetic variants in BIN1, CLU, CR1 and PICALM for association with cerebrospinal fluid biomarkers for Alzheimer's disease." *PLoS One*. 6(2): e15918.

Hollingworth P, Harold D, Sims R, Gerrish A, Lambert JC, Carrasquillo MM, et al. (including **Kauwe JSK**), Williams J (2011). "Common variants at ABCA7, MS4A6A/MS4A4E, EPHA1, CD33 and CD2AP are associated with Alzheimer's disease." *Nat Genet*. 43(5): 429-435.

Cruchaga C, Nowotny P, **Kauwe JS**, Ridge PG, Mayo K, Bertelsen S, et al., Alzheimer's Disease Neuroimaging I (2011). "Association and expression analyses with single-nucleotide polymorphisms in TOMM40 in Alzheimer disease." *Arch Neurol*. 68(8): 1013-1019.

\***Kauwe JS**, Cruchaga C, Bertelsen S, Mayo K, Latu W, Nowotny P, et al., Goate AM (2010). "Validating predicted biological effects of Alzheimer's disease associated SNPs using CSF biomarker levels." *J Alzheimers Dis*. 21(3): 833-842.

\***Kauwe JS**, Bertelsen S, Mayo K, Cruchaga C, Abraham R, Hollingworth P, et al., Alzheimer's Disease Neuroimaging I (2010). "Suggestive synergy between genetic variants in TF and HFE as risk factors for Alzheimer's disease." *Am J Med Genet B Neuropsychiatr Genet*. 153B(4): 955-959.

Jones L, Holmans PA, Hamshere ML, Harold D, Moskvina V, Ivanov D, et al. (including **Kauwe JSK**), Williams J (2010). "Genetic evidence implicates the immune system and cholesterol metabolism in the aetiology of Alzheimer's disease." *PLoS One*. 5(11): e13950.

\*Cruchaga C, **Kauwe JS**, Mayo K, Spiegel N, Bertelsen S, Nowotny P, et al., Goate AM (2010). "SNPs associated with cerebrospinal fluid phospho-tau levels influence rate of decline in Alzheimer's disease." *PLoS Genet*. 6(9): e1001101.

\***Kauwe JS**, Wang J, Mayo K, Morris JC, Fagan AM, Holtzman DM and Goate AM (2009). "Alzheimer's disease risk variants show association with cerebrospinal fluid amyloid beta." *Neurogenetics*. 10(1): 13-17.

Harold D, Abraham R, Hollingworth P, Sims R, Gerrish A, Hamshere ML, et al. (including **Kauwe JSK**), Williams J (2009). "Genome-wide association study identifies variants at CLU and PICALM associated with Alzheimer's disease." *Nat Genet*. 41(10): 1088-1093.

Fenoglio C, Galimberti D, Cortini F, **Kauwe JS**, Cruchaga C, Venturelli E, et al., Scarpini E (2009). "Rs5848 variant influences GRN mRNA levels in brain and peripheral mononuclear cells in patients with Alzheimer's disease." *J Alzheimers Dis*. 18(3): 603-612.

\*Clifford DB, Fagan AM, Holtzman DM, Morris JC, Teshome M, Shah AR and **Kauwe JS** (2009). "CSF biomarkers of Alzheimer disease in HIV-associated neurologic disease." *Neurology*. 73(23): 1982-1987.

Mukherje O, Wang J, Gitcho M, Chakraverty S, Taylor-Reinwald L, Shears S, et al. (including **Kauwe JSK**), Goate A (2008). "Molecular characterization of novel progranulin (GRN) mutations in frontotemporal dementia." *Hum Mutat*. 29(4): 512-521.

\***Kauwe JS**, Wang J, Chakraverty S, Goate AM and Henao-Martinez AF (2008). "Novel presenilin 1 variant (P117A) causing Alzheimer's disease in the fourth decade of life." *Neurosci Lett*. 438(2): 257-259.

\***Kauwe JS**, Cruchaga C, Mayo K, Fenoglio C, Bertelsen S, Nowotny P, et al., Goate AM (2008). "Variation in MAPT is associated with cerebrospinal fluid tau levels in the presence of amyloid- beta deposition." *Proc Natl Acad Sci U S A*. 105(23): 8050-8054.

Wahrle SE, Shah AR, Fagan AM, Smemo S, **Kauwe JS**, Grupe A, et al., Holtzman DM (2007). "Apolipoprotein E levels in cerebrospinal fluid and the effects of ABCA1 polymorphisms." *Mol Neurodegener*. 2: 7.

Nowotny P, Simcock X, Bertelsen S, Hinrichs AL, **Kauwe JS**, Mayo K, et al., Goate A (2007). "Association studies testing for risk for late-onset Alzheimer's disease with common variants in the beta-amyloid precursor protein (APP)." *Am J Med Genet B Neuropsychiatr Genet*. 144B(4): 469-474.

Nowotny P, Bertelsen S, Hinrichs AL, **Kauwe JS**, Mayo K, Jacquart S, et al., Goate A (2007). "Association studies between common variants in prolyl isomerase Pin1 and the risk for late-onset Alzheimer's disease." *Neurosci Lett*. 419(1): 15-17.

Mukherjee O, **Kauwe JS**, Mayo K, Morris JC and Goate AM (2007). "Haplotype-based association analysis of the MAPT locus in late onset Alzheimer's disease." *BMC Genet*. 8: 3.



\***Kauwe JS**, Jacquart S, Chakraverty S, Wang J, Mayo K, Fagan AM, et al., Goate AM (2007). "Extreme cerebrospinal fluid amyloid beta levels identify family with late-onset Alzheimer's disease presenilin 1 mutation." *Ann Neurol.* 61(5): 446-453.

Hu Y, Hosseini A, **Kauwe JS**, Gross J, Cairns NJ, Goate AM, et al., Holtzman DM (2007). "Identification and validation of novel CSF biomarkers for early stages of Alzheimer's disease." *Proteomics Clin Appl.* 1(11): 1373-1384.

Smemo S, Nowotny P, Hinrichs AL, **Kauwe JS**, Cherny S, Erickson K, et al., Goate A (2006). "Ubiquilin 1 polymorphisms are not associated with late-onset Alzheimer's disease." *Ann Neurol.* 59(1): 21-26.

Mukherjee O, Pastor P, Cairns NJ, Chakraverty S, **Kauwe JS**, Shears S, et al., Goate AM (2006). "HDDD2 is a familial frontotemporal lobar degeneration with ubiquitin-positive, tau-negative inclusions caused by a missense mutation in the signal peptide of progranulin." *Ann Neurol.* 60(3): 314-322.

Li Y, Grupe A, Rowland C, Nowotny P, **Kauwe JS**, Smemo S, et al, Goate A (2006). "DAPK1 variants are associated with Alzheimer's disease and allele-specific expression." *Hum Mol Genet.* 15(17): 2560-2568.

Grupe A, Li Y, Rowland C, Nowotny P, Hinrichs AL, Smemo S, et al. (including **Kauwe JSK**), Goate A (2006). "A scan of chromosome 10 identifies a novel locus showing strong association with late-onset Alzheimer disease." *Am J Hum Genet.* 78(1): 78-88.

Suarez BK, Taylor C, Bertelsen S, Bierut LJ, Dunn G, Jin CH, et al. (including **Kauwe JSK**), Hinrichs AL (2005). "An analysis of identical single-nucleotide polymorphisms genotyped by two different platforms." *BMC Genet 6 Suppl.* 1: S152.

Nowotny P, Hinrichs AL, Smemo S, **Kauwe JS**, Maxwell T, Holmans P, et al., Goate A (2005). "Association studies between risk for late-onset Alzheimer's disease and variants in insulin degrading enzyme." *Am J Med Genet B Neuropsychiatr Genet.* 136B(1): 62-68.

\***Kauwe JS**, Bertelsen S, Bierut LJ, Dunn G, Hinrichs AL, Jin CH and Suarez BK (2005). "The efficacy of short tandem repeat polymorphisms versus single-nucleotide polymorphisms for resolving population structure." *BMC Genet 6 Suppl.* 1: S84.

Hinrichs AL, Bertelsen S, Bierut LJ, Dunn G, Jin CH, **Kauwe JS** and Suarez BK (2005). "Multipoint identity-by-descent computations for single-point polymorphism and microsatellite maps." *BMC Genet 6 Suppl.* 1: S34.

Dunn G, Hinrichs AL, Bertelsen S, Jin CH, **Kauwe JS**, Suarez BK and Bierut LJ (2005). "Microsatellites versus single-nucleotide polymorphisms in linkage analysis for quantitative and qualitative measures." *BMC Genet 6 Suppl.* 1: S122.

Li Y, Nowotny P, Holmans P, Smemo S, **Kauwe JS**, Hinrichs AL, et al., Grupe A (2004). "Association of late-onset Alzheimer's disease with genetic variation in multiple members of the GAPD gene family." *Proc Natl Acad Sci U S A.* 101(44): 15688-15693.

\***Kauwe JSK**, Shiozawa DK and Evans RP (2004). "Phylogeographic and nested clade analysis of the stonefly *Pteronarcys californica* (Plecoptera: Pteronarcyidae) in the western USA." *Journal of the North American Benthological Society*. 23(4): 824-838.

## COLLABORATING PUBLICATIONS

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*Total collaborating publications: 42*

Kunkle BW, Schmidt M, Klein HU, Naj AC, Hamilton-Nelson KL, Larson EB, et al., Kukull WA (2020). "Novel Alzheimer Disease Risk Loci and Pathways in African American Individuals Using the African Genome Resources Panel: A Meta-analysis." *JAMA Neurol*. 2020 Oct 19:e203536. doi: 10.1001/jamaneurol.2020.3536. Epub ahead of print. PMID: 33074286; PMCID: PMC7573798.

Reiman EM, Arboleda-Velasquez JF, Quiroz YT, Huentelman MJ, Beach TG, Caselli RJ, et al., Alzheimer's Disease Genetics Consortium (2020). "Exceptionally low likelihood of Alzheimer's dementia in APOE2 homozygotes from a 5,000-person neuropathological study." *Nat Commun* 11(1): 667.

Chauhan G, Adams HHH, Satizabal CL, Bis JC, Teumer A, Sargurupremraj M, et al., the Neurology Working Group of the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium (2019). "Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting." *Neurology*. 92(5): e486–e503.

Peloso, GM, van der Lee SJ, International Genomics of Alzheimer's Project (IGAP), Destefano AL, Seshardi S (2018). "Genetically Elevated High-density Lipoprotein Cholesterol Through the Cholesteryl Ester Transfer Protein Gene Does Not Associate with Risk of Alzheimer's Disease." *Alzheimers Dement (Amst)*. doi: 10.1016/j.dadm.2018.08.008.

Deming, Y, Dumitrescu L, Barnes LL, Thambisetty M, Kunkle B, Gifford KA, et al., Hohman TJ (2018). "Sex-specific genetic predictors of Alzheimer's disease biomarkers." *Acta Neuropathol*. <https://doi.org/10.1007/s00401-018-1881-4>.

Guo, S, Lai C, Wu C, Cen G and Alzheimer's Disease Neuroimaging I (2017). "Conversion Discriminative Analysis on Mild Cognitive Impairment Using Multiple Cortical Features from MR Images." *Front Aging Neurosci*. 9: 146.

Karch, CM, Ezerskiy LA, Bertelsen S, Alzheimer's Disease Genetics C and Goate AM (2016). "Alzheimer's Disease Risk Polymorphisms Regulate Gene Expression in the ZCWPW1 and the CELF1 Loci." *PLoS One*. 11(2): e0148717.

Cukier, HN, Kunkle BW, Vardarajan BN, Rolati S, Hamilton-Nelson KL, Kohli MA, et al., Alzheimer's Disease Genetics C (2016). "ABCA7 frameshift deletion associated with Alzheimer disease in African Americans." *Neurol Genet*. 2(3): e79.

International Genomics of Alzheimer's Disease, C (2015). "Convergent genetic and expression data implicate immunity in Alzheimer's disease." *Alzheimers Dement*. 11(6): 658-671.

Hosp, F, Vossfeldt H, Heinig M, Vasiljevic D, Arumughan A, Wyler E, et al., Selbach M (2015). "Quantitative interaction proteomics of neurodegenerative disease proteins." *Cell Rep*. 11(7): 1134-1146.

- Ghani, M, Reitz C, Cheng R, Vardarajan BN, Jun G, Sato C, et al., Alzheimer's Disease Genetics C (2015). "Association of Long Runs of Homozygosity with Alzheimer Disease Among African American Individuals." *JAMA Neurol.* 72(11): 1313-1323.
- Escott-Price, V, Sims R, Bannister C, Harold D, Vronskaya M, Majounie E, et al., Williams J (2015). "Common polygenic variation enhances risk prediction for Alzheimer's disease." *Brain.* 138(Pt 12): 3673-3684.
- Proitsi, P, Lupton MK, Velayudhan L, Newhouse S, Fogh I, Tsolaki M, et al., Powell JF (2014). "Genetic predisposition to increased blood cholesterol and triglyceride lipid levels and risk of Alzheimer disease: a Mendelian randomization analysis." *PLoS Med.* 11(9): e1001713.
- Proitsi, P, Lupton MK, Velayudhan L, Hunter G, Newhouse S, Lin K, et al., Powell JF (2014). "Alleles that increase risk for type 2 diabetes mellitus are not associated with increased risk for Alzheimer's disease." *Neurobiol Aging.* 35(12): 2883 e2883-2883 e2810.
- Logue, MW, Schu M, Vardarajan BN, Farrell J, Bennett DA, Buxbaum JD, et al., Alzheimer Disease Genetics C (2014). "Two rare AKAP9 variants are associated with Alzheimer's disease in African Americans." *Alzheimers Dement.* 10(6): 609-618 e611.
- Liu, G, Yao L, Liu J, Jiang Y, Ma G, Genetic, et al., Li K (2014). "Cardiovascular disease contributes to Alzheimer's disease: evidence from large-scale genome-wide association studies." *Neurobiol Aging.* 35(4): 786-792.
- Gusareva, ES, Carrasquillo MM, Bellenguez C, Cuyvers E, Colon S, Graff-Radford NR, et al., Ramirez A (2014). "Genome-wide association interaction analysis for Alzheimer's disease." *Neurobiol Aging.* 35(11): 2436-2443.
- Beecham, GW, Hamilton K, Naj AC, Martin ER, Huentelman M, Myers AJ, et al., Montine TJ (2014). "Genome-wide association meta-analysis of neuropathologic features of Alzheimer's disease and related dementias." *PLoS Genet.* 10(9): e1004606.
- Zou, F, Belbin O, Carrasquillo MM, Culley OJ, Hunter TA, Ma L, et al., Younkin SG (2013). "Linking protective GAB2 variants, increased cortical GAB2 expression and decreased Alzheimer's disease pathology." *PLoS One.* 8(5): e64802.
- Reitz, C, Tosto G, Vardarajan B, Rogaeva E, Ghani M, Rogers RS, et al., Alzheimer's Disease Genetics C (2013). "Independent and epistatic effects of variants in VPS10-d receptors on Alzheimer disease risk and processing of the amyloid precursor protein (APP)." *Transl Psychiatry.* 3: e256.
- Reitz, C, Mayeux R and Alzheimer's Disease Genetics C (2013). "TREM2 and neurodegenerative disease." *N Engl J Med.* 369(16): 1564-1565.
- Reitz, C, Jun G, Naj A, Rajbhandary R, Vardarajan BN, Wang LS, et al., Alzheimer Disease Genetics C (2013). "Variants in the ATP-binding cassette transporter (ABCA7), apolipoprotein E 4, and the risk of late-onset Alzheimer disease in African Americans." *JAMA.* 309(14): 1483-1492.
- Miyashita, A, Koike A, Jun G, Wang LS, Takahashi S, Matsubara E, et al., Kuwano R (2013). "SORL1 is genetically associated with late-onset Alzheimer's disease in Japanese, Koreans and Caucasians." *PLoS One.* 8(4): e58618.

Lee, SH, Harold D, Nyholt DR, Consortium AN, International Endogene C, Genetic, et al., Visscher PM (2013). "Estimation and partitioning of polygenic variation captured by common SNPs for Alzheimer's disease, multiple sclerosis and endometriosis." *Hum Mol Genet.* 22(4): 832-841.

Holton, P, Ryten M, Nalls M, Trabzuni D, Weale ME, Hernandez D, et al., Guerreiro R (2013). "Initial assessment of the pathogenic mechanisms of the recently identified Alzheimer risk Loci." *Ann Hum Genet.* 77(2): 85-105.

Chapman, J, Rees E, Harold D, Ivanov D, Gerrish A, Sims R, et al., Kirov G (2013). "A genome-wide study shows a limited contribution of rare copy number variants to Alzheimer's disease risk." *Hum Mol Genet.* 22(4): 816-824.

Zou, F, Chai HS, Younkin CS, Allen M, Crook J, Pankratz VS, et al., Ertekin- Taner N (2012). "Brain expression genome-wide association study (eGWAS) identifies human disease-associated variants." *PLoS Genet.* 8(6): e1002707.

Shi, H, Belbin O, Medway C, Brown K, Kalsheker N, Carrasquillo M, et al., Alzheimer's Research UKC (2012). "Genetic variants influencing human aging from late-onset Alzheimer's disease (LOAD) genome-wide association studies (GWAS)." *Neurobiol Aging.* 33(8): 1849 e1845-1818.

Shen, KK, Fripp J, Meriaudeau F, Chetelat G, Salvado O, Bourgeat P and Alzheimer's Disease Neuroimaging I (2012). "Detecting global and local hippocampal shape changes in Alzheimer's disease using statistical shape models." *Neuroimage.* 59(3): 2155-2166.

Schott, JM and Investigators A (2012). "Using CSF biomarkers to replicate genetic associations in Alzheimer's disease." *Neurobiol Aging.* 33(7): 1486 e1489-1415.

Jun, G, Vardarajan BN, Buros J, Yu CE, Hawk MV, Dombroski BA, et al., Farrer LA (2012). "Comprehensive search for Alzheimer disease susceptibility loci in the APOE region." *Arch Neurol.* 69(10): 1270-1279.

Hudson, G, Sims R, Harold D, Chapman J, Hollingworth P, Gerrish A, et al., Consortium G (2012). "No consistent evidence for association between mtDNA variants and Alzheimer disease." *Neurology.* 78(14): 1038-1042.

Hollingworth, P, Sweet R, Sims R, Harold D, Russo G, Abraham R, et al., Williams J (2012). "Genome-wide association study of Alzheimer's disease with psychotic symptoms." *Mol Psychiatry.* 17(12): 1316-1327.

Hamilton, G, Killick R, Genetic, Environmental Risk for Alzheimer's Disease C, Translational Genomics Research Institute C, Lambert JC, et al., Wade-Martins R (2012). "Functional and genetic analysis of haplotypic sequence variation at the nicastrin genomic locus." *Neurobiol Aging.* 33(8): 1848 e1841-1813.

Hamilton, G, Harris SE, Davies G, Liewald DC, Tenesa A, Payton A, et al., Deary IJ (2012). "The role of ECE1 variants in cognitive ability in old age and Alzheimer's disease risk." *Am J Med Genet B Neuropsychiatr Genet.* 159B(6): 696-709.

Eskildsen, SF, Coupe P, Fonov V, Manjon JV, Leung KK, Guizard N, et al., Alzheimer's Disease Neuroimaging I (2012). "BEaST: brain extraction based on nonlocal segmentation technique." *Neuroimage.* 59(3): 2362-2373.

Cho, Y, Seong JK, Jeong Y, Shin SY and Alzheimer's Disease Neuroimaging I (2012). "Individual subject classification for Alzheimer's disease based on incremental learning using a spatial frequency representation of cortical thickness data." *Neuroimage*. 59(3): 2217-2230.

Carmichael, O, Xie J, Fletcher E, Singh B, DeCarli C and Alzheimer's Disease Neuroimaging I (2012). "Localized hippocampus measures are associated with Alzheimer pathology and cognition independent of total hippocampal volume." *Neurobiol Aging*. 33(6): 1124 e1131-1141.

Allen, M, Zou F, Chai HS, Younkin CS, Crook J, Pankratz VS, et al., Woltjer RL (2012). "Novel late-onset Alzheimer disease loci variants associate with brain gene expression." *Neurology*. 79(3): 221-228.

Tosun, D, Schuff N, Mathis CA, Jagust W, Weiner MW and Alzheimer's Disease Neuroimaging I (2011). "Spatial patterns of brain amyloid-beta burden and atrophy rate associations in mild cognitive impairment." *Brain*. 134(Pt 4): 1077-1088.

McEvoy, LK, Holland D, Hagler DJ, Jr., Fennema-Notestine C, Brewer JB, Dale AM and Alzheimer's Disease Neuroimaging I (2011). "Mild cognitive impairment: baseline and longitudinal structural MR imaging measures improve predictive prognosis." *Radiology*. 259(3): 834-843.

Carmichael, O, Schwarz C, Drucker D, Fletcher E, Harvey D, Beckett L, et al., Alzheimer's Disease Neuroimaging I (2010). "Longitudinal changes in white matter disease and cognition in the first year of the Alzheimer disease neuroimaging initiative." *Arch Neurol*. 67(11): 1370-1378.

## BOOK CHAPTERS

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1. Kauwe JSK, AM Goate. Molecular genetics of Alzheimer's disease. In: Dawburn D, Allen SJ, eds. *Neurobiology of Alzheimer's Disease*. 3rd ed. Oxford; New York: Oxford University Press, 2007:59–79
2. Cruchaga C, Kauwe JSK, AM Goate. Alzheimer's disease. In: Nurnberger JI, Berrettini WH, eds. *Principles of Psychiatric Genetics*. 1st ed. New York; New York; Cambridge University Press; 2010:371-381

## INVITED SEMINARS AND ORAL PRESENTATIONS (60)

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- University of Hawaii, Hilo, 2020
- Understanding the Contributions of Inheritance to Alzheimer's disease Risk, Alzheimer's disease and Related Dementias Coordinating Council, Utah Department of Health, 2020.
- Using Population-scale Genealogical Data for Alzheimer's disease Gene Discovery, BioDesign Institute, Arizona State University, 2019.
- Leveraging Complex Pedigrees for Rare Variant Discovery in Alzheimer's disease, Van Andel Institute, 2019.
- Alzheimer's disease: Bench to Bedside Talk, Na Pu'uwai Senior Enrichment Center, Molokai, HI, 2018.

- Keynote Speaker. Summer Undergraduate Research Symposium. Pennsylvania State University, College of Medicine. Harrisburg, Pennsylvania 2018. Family-based approaches to understanding the genetic basis of Alzheimer's disease.
- Elder Law Section, Utah State Bar Association. Salt Lake City, Utah 2016, 2018. Alzheimer's & Dementia: An Update for Attorneys.
- Shiley-Marcos ADRC Neurodegeneration Seminar Series. University of California, San Diego 2017. A Unique Family-Based Approach to Identifying Factors for Alzheimer's disease Risk and Resilience.
- College of Life Sciences Seminar. Universidad Interamericana de Puerto Rico, San Germain, Puerto Rico 2016.
- Molecular Biology Seminar. Universidad Central del Caribe, Bayamon, Puerto Rico 2016.
- Forum Speaker. Brigham Young University, Provo, UT 2016. Alzheimer's Disease: Myths, Facts, and the Future.
- International Imaging Genetics Conference. Irvine, CA 2016. New approaches to understanding heritability in Alzheimer's disease.
- Biotechnology and Bioinformatics Symposium. Key Note Speaker, Provo, UT 2015. Understanding the Genetics of Complex Traits.
- Genetics and Genomics Sciences Department Seminar. Mount Sinai School of Medicine, Manhattan, NY 2015. Novel approaches to identifying protective variants for Alzheimer's disease.
- NIH-NIA Alzheimer's disease Summit. Bethesda, MA 2015. Alzheimer's resilience.
- Charleston Conference on Alzheimer's Disease Plenary Speaker. Charleston, SC 2015. Novel approaches to identifying protective variants for Alzheimer's disease.
- Epidemiology Center Seminar. Utah State University, Logan, UT 2014. Linkage and WGS approaches to finding protective variants in Alzheimer's disease.
- Neuroscience Series. Mayo Clinic, Jacksonville, FL 2014. The genetic basis of Alzheimer's disease: What is left and how will we find it?
- Graduation KeyNote Speaker. Molokai High School, Ho'olehua, HI 2014.
- Perry C, Hedges DW, D R, Nielsen B, Larson MJ, Kauwe JS, Call VR, Gerontological Society of American meeting. Denver, Colorado 2014. Associations between telomere length and allelic variation in two groups of older adults.
- Genetics Seminar. Utah State University, Logan UT 2013. Using whole genome and whole exome sequencing to understand the genetics of Alzheimer's disease.

- Alzheimer's Association Education Conference. Logan, UT 2013. Debunking Myths in Alzheimer's disease.
- Alzheimer's Association Professional's Workshop. Ogden, UT 2013. Alzheimer's disease genetics: implications for diagnosis and treatment.
- International Society for Magnetic Resonance Imaging Annual Meeting. Salt Lake City, UT 2013. Genetics and Molecular Biology of Alzheimer's disease.
- Alzheimer's Association Education Conference. St. George, UT 2013. Recent advances in diagnosis and treatment of Alzheimer's disease.
- Jensen JL, Kauwe JS, A Constructivist Model in Introductory Biology. American Association for the Advancement of Science - Vision and Change, Washington, DC 2013.
- Shiozawa DK, Houston D, Evans RP, Maughan PJ, Davis N, Page J, Unmack P, Elzinga D, Kauwe JS, Greenback Cutthroat Trout Summit. Denver, Colorado. Greenback trout genetics and meristics studies.
- Alzheimer's Association Professional's Workshop. St. George, UT 2013. Genetics and Alzheimer's disease.
- Charleston Conference on Alzheimer's Disease. Charleston, SC 2013. A novel, family-based approach to identifying Alzheimer's disease risk and protective genes.
- Shiozawa DK, Houston DD, Evans RP, Kauwe JS, Maughan PJ, Smith SM, Elzinga DB, Stinger RB, Annual Meeting Western Division of the American Fishery Society. Jackson, Wyoming 2012. Discovery of single nucleotide polymorphisms (SNPs) in cutthroat trout subspecies using next-generation sequencing technology.
- Alzheimer's Association Education Conference. Park City, UT 2012. Recent advances in diagnosis and treatment of Alzheimer's disease.
- Alzheimer's Association Professional's Workshop. Salt Lake City, UT 2012. Genetics and Alzheimer's disease.
- Continuing Medical Education Seminar. Peace Health Ketchikan Medical Center, Ketchikan, AK 2012. Genetics and proteomics for understanding and diagnosing Alzheimer's disease.
- Biology Seminar. Maryville University, Webster Groves, MO 2011. The present and future of Genetic Studies of Alzheimer's disease.
- Alzheimer's Association Dementia Care Conference. Orem, UT 2011. Genetics and Alzheimer's disease.
- Biomedical Research Apprenticeship Program Closing Meeting. Keynote speaker. Washington University School of Medicine, St. Louis, MO 2011.
- Alzheimer's Association International Conference on Alzheimer's Disease. Paris, France 2011. Genome-wide association studies of cerebrospinal fluid biomarkers.

- American Academy of Neurologists National Meeting. Honolulu, HI 2011. Fluid biomarkers for early detection and diagnosis of Alzheimer's disease.
- Molecular Life Sciences Symposium. Brigham Young University, Provo, UT 2011. Progressing from genetic association to causation in complex human disease.
- Epidemiology Seminar. Utah State University, Logan, UT 2011. Aggregate genetic risk for AD in the Cache County Study.
- Research Revolution. Orem Public Library, Orem, UT 2011. The genetics basis of Alzheimer's disease.
- AP Biology and Chemistry Seminar. Wasatch High School, Heber UT 2010. Bioinformatics: Applications and Career Opportunities.
- LDS Life Science Research Symposium. Park City, UT 2010. An endophenotype-based approach to understanding the genetics of Alzheimer's disease.
- Epidemiology Seminar. Utah State University, Logan, UT 2010. Using biomarkers to generate biological hypotheses for disease risk associations.
- Upward Bound. Utah Valley University, Orem, UT 2010. Paths to a Career in Science. Research Revolution. Orem Public Library, Orem, UT 2010. Understanding the Genetics of Alzheimer's disease.
- Human Genetics Series. University of Texas, Houston, Texas Medical Center School of Public Health, Houston, TX 2010. SNPs associated with cerebrospinal fluid tau levels influence rate of cognitive decline in Alzheimer's disease.
- AP Biology and Chemistry Seminar. Walden High School, Provo UT 2009. Bioinformatics: Applications and Career Opportunities.
- Network of Minority Research Investigators National Institute of Diabetes and Digestive and Kidney Disease West Regional Meeting. San Diego, CA 2009. Using cerebrospinal fluid amyloid-beta levels to understand genetic risk for Alzheimer's disease.
- Biology Department Seminar. University of Hawaii, Honolulu, HI 2008. Alzheimer's disease, Genome-wide association studies and endophenotypes.
- Biology Colloquium. California State University, Northridge, Northridge, CA 2008. Issues and progress in genetic studies of Alzheimer's disease.
- Brain Institute Seminar. University of Utah, Salt Lake City, UT 2008. Use of cerebrospinal fluid biomarkers as endophenotypes for genetic studies of Alzheimer's disease.
- Biology Department Seminar. Brigham Young University, Provo, UT 2008. Variation in MAPT shows association with CSF tau levels, tau expression and age at onset of Alzheimer's disease.
- Research Staff Seminar. Banner Alzheimer's Institute, Phoenix, AZ 2007. Genetic and Proteomic approaches for using cerebrospinal fluid biomarkers to study Alzheimer's disease.



- Neurogenomics Group Meeting. Translational Genomics, Phoenix, AZ 2007. SNPs previously reported to show association with risk for AD are associated CSF A $\beta$  levels.
- Psychiatry Department Seminar. Washington University School of Medicine, St. Louis, MO 2007. Use of cerebrospinal fluid A $\beta$  levels as endophenotype for late-onset Alzheimer's disease.
- BioMedRAP Lecture Series. Washington University, St. Louis, MO 2007. Candidate gene screen identifies polymorphisms associated with AD and CSF A $\beta$  levels.
- O'Leary Award for Research in Neuroscience Finalists Seminar. Washington University, St. Louis, MO 2007. Use of cerebrospinal fluid A $\beta$  levels as endophenotype for late-onset Alzheimer's disease.
- Public Education Seminar. Phoenix, AZ 2007. Clinical implications of genetic research on Alzheimer's disease.
- Microbiology and Molecular Biology Department Seminar. Brigham Young University, Provo, UT 2006. Use of cerebrospinal fluid A $\beta$  levels as endophenotype for late-onset Alzheimer's disease leads to the identification of a causal mutation in PSEN1.
- Biology Department Seminar. Utah Valley State College, Orem, UT 2006. Using cerebrospinal fluid amyloid- $\beta$  levels as an endophenotype to study the genetics of late-onset AD.
- North American Benthological Society Annual. Pittsburgh, PA 2002. Using DNA Markers to Investigate Inter-basin Relationships and Dispersal of Stoneflies.

## **ORAL PRESENTATIONS (9)**

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- Alzheimer's Association International Conference Global Advances Meeting, Toronto, Canada 2016. Protective variants in Alzheimer's Disease.
- Alzheimer's Association International Conference. Boston, MA 2013. Association of genetic variants with cerebrospinal fluid protein levels of ACE, CCL2, IL6R and MMP3 risk for Alzheimer's disease.
- International Conference on Alzheimer's Disease. Honolulu, HI 2010. Validating predicted biological effects of Alzheimer's disease associated SNPs using CSF biomarker levels.
- International Conference on Alzheimer's Disease. Chicago, IL 2008. Variation in MAPT is associated with cerebrospinal fluid tau levels in the presence of amyloid deposition.
- American Society of Human Genetics Annual Meetings. New Orleans, LA 2006. Association study of cerebrospinal fluid amyloid- $\beta$  levels with late-onset Alzheimer's disease associated polymorphisms.
- American Society of Human Genetics Annual Meetings. Salt Lake City, UT 2005. A Scan of Chromosome 10 Identifies Novel Candidate Genes Showing Strong Association to Late-Onset Alzheimer's Disease.

- Conference of Ford Fellows. Arlington, VA 2005. Evolution-based Haplotype Analysis Identifies Haplotype Groups with Strong Association to Late-Onset Alzheimer's Disease.
- Genetics Analysis Workshop 14. Noordwijkerhout, Netherlands 2004. The efficacy of microsatellites vs. SNPs for resolving population structure.
- North American Benthological Society Annual Meetings. Athens, GA 2003. Phylogenetic and Nested Clade Analysis of the Stonefly *Pteronarcys californica* in the Western United States.

## **MENTORING ACTIVITIES** (thru June 2019)

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### Graduate Students (Advisor):

Perry Ridge	PhD	2013
Mark Ebbert	PhD	2014
Ivan Arano	MS	2015
Lyndsay Staley	MS	2016 – 2018
John Allen	MS	2017 – 2018
Ciarah Cook	PhD	2015 – 2020
Josue Gonzalez	PhD	2016 – 2020
Justina Tavana	PhD	2018 – Present

### Graduate Students (Committee Member):

Nina Laitinen	MS	2011
Whitney Hoopes	MS	2016
Sun Yeong Oh	MS	2012 – 2015
Katrina Hurst	PhD	2013 – 2017
Spencer Ingley	PhD	2015
Justin Page	PhD	2015
Brandon Pickett	PhD	2015– Present
Alex Freeman	MS	2016 – 2018
Justin Miller	PhD	2018
Dustin Miller	PhD	2017– Present

## SUMMARY OF UNDERGRADUATE STUDENT MENTORING: (Students Total: 149)

#Ben Ainscough  
 Alan Alohikea  
 #John Allen  
 Alex Allred  
 Brandon Anderson  
 Michael Arntsen  
 Derek Arrington  
 MacKenzie Arrington  
 Quentinia Aspinall  
 \*Taylor Avei  
 #Matthew Bailey  
 Benjamin Bearss  
 Hilary Benedick  
 Aaron Biehl  
 \*\*Gage Black  
 \*#Kevin Boehme  
 Josh Browning  
 #Daniel Bunker  
 \*#Devan Bursey  
 \*Joshua Cassinat  
 Moroni Chalita  
 #Matthew Cloward  
 \*#Jesse Cobell  
 Cassidy Cook  
 Ciarah Cook  
 \*Tanner Cox  
 Katherine Crawford  
 \*#Kristen Cockriel Crofts  
 Francisco Darquea  
 \*#Brian Davis  
 \*#Louisa Dayton  
 Adam DeMello  
 Shane Dooley  
 Ashlee Ebbert  
 \*Ryan Egbert  
 \*Spencer Ewert  
 \*Matthew Fabiszak  
 JD Falslev  
 \*#Meganne Ferrel  
 Jake Fitiseanu  
 Kenisi Fonoimoana  
 \*#Spencer Foutz  
 Austin Gale  
 Harrison Garrett  
 Eden Gillette  
 \*\*!#Josue Murcia Gonzalez  
 \*#Aaron Gustin  
 Elizabeth Guy  
 Mike Hague  
 \*#Omoremi Hamblin

Channing Hancock  
 Adam Hansen  
 Jeremy Harris  
 Alex Hatch  
 \*Grace Hawkins  
 Nicholas Heimann  
 Micah Heimuli  
 \*\*!#Ariel Hippen  
 Kameron Ho Ching  
 \*#Matthew Hodgman  
 Parker Hollingsworth  
 #Kaitlyn Bell Hoyt  
 Erik Huckvale  
 Jeremy Hunt  
 Todd Jaramillo  
 \*#Samantha Jensen  
 Matthew Johnson  
 Sarah Karlinsey  
 Curtis Killpack  
 Nathan Killpack  
 Jackson King  
 \*Krista Klinger  
 In Kwon  
 Annaleah Larson  
 Lelann Latu  
 #Wayne Latu  
 \*\*#Mo Lee  
 Keoki Leong  
 Lia Ludlam  
 \*!#Caitlin Munger Lythgoe  
 Monica Mackay  
 Devan McBee  
 Katherine McFarlane  
 Tasha McGhie  
 David McKean  
 \*Miles McKee  
 Lauren McKinnon  
 #Taylor Meurs  
 Ailana Meyer  
 #Ryan Miller  
 Jeff Mortensen  
 \*Tyler Mower  
 Orlando Negron  
 Heankel Oliveros  
 Maveni Palu  
 #Madeline Page  
 \*#Joshua Parker  
 \*#Sheradyn Parker  
 Braden Patten  
 \*David Patty

Lauren Pennington  
 #Ammon Perkes  
 #Rachel Perry  
 \*\*!#David Peterson  
 Joseph Peterson  
 \*#Michael Peterson  
 Patton Pettijohn  
 #Brandon Pickett  
 Lucas Pinto  
 \*Calvin Quigley  
 \*Keni Reid  
 Ed Ringger  
 \*#Frederick Rohlfling  
 Ryan Rupper  
 Jordan Salmon  
 Iuliia Sambur  
 Emma Santiago  
 Alina Schmidt  
 \*#Cameron Schmutz  
 Hunter Schone  
 \*Victoria Scott  
 \*Emily Sears  
 Robert Seymour  
 !#Aaron Sharp  
 Aaron Simmons  
 Scott Smith  
 \*Brandon Soelberg  
 Benjamin Song  
 Chad Sorenson  
 Brooke Spencer  
 Sarah Spendlove  
 !\*\*#Lyndsay Staley  
 Ryan Stinger  
 Casey Stinnett  
 Chase Stolworthy  
 Billy Strong  
 #Manti Su'a  
 Trent Tipton  
 Jeddysiah Tuiloma  
 \*\*Eleni Tukuafu  
 Taylor Turnbull  
 \*David Valentine  
 \*!Elizabeth Vance  
 \*#Mark Wadsworth  
 Katrisa Ward  
 Tyler Weenig  
 Michelle Wilkins  
 \*Austin Wright  
 \*!#Sage Wright  
 Rachel McDonald Young

\*BYU Undergraduate Research Awards (52 awards/46 students)

!Co-author on a Manuscript (39 students on 39 manuscripts)

!First Author on a Manuscript (8 students on 10 manuscripts)

\*Honors Thesis (1)

## OTHER TEACHING AND MENTORING ACTIVITIES

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Principal Investigator and Associate Director

BYU Rheumatic Relief Internship Program

This internship program provides pre-professional clinical, educational and research opportunities for BYU students from all disciplines across campus, not just my own department. I have been involved in mentoring students in each of these three areas as well as overseeing the preparatory course required for participation in the internship. More than thirty BYU students\* have been involved in the program. In addition, I have helped facilitate interactions with health professionals in the USA and Samoa. Over 20,000 Samoan children, ages 5 to 15, have been educated and screened by the BYU Rheumatic Relief Internship Program. Additional details can be found on our [website](#).

This program has resulted in excellent research products (see below) as well as an article highlighted in the [New York Times](#).

1. Parks T, Mirabel MM, Kado J, Auckland K, Nowak J, Rautanen A, et al. (including **Kauwe JSK**), Pacific Islands Rheumatic Heart Disease Genetics N (2017). "Association between a common immunoglobulin heavy chain allele and rheumatic heart disease risk in Oceania." *Nat Commun.* 8: 14946.
2. Allen LB, Taylor FH, Kauwe AI, Larsen T, Hippen AA, Allen M and **Kauwe JSK** (2017). "Using the Health Belief Model to evaluate Samoan caregiver perceptions for rheumatic heart disease follow-up care." *International Journal of Health Promotion and Education.* 55(3): 148-157.

\*Mentored Students, BYU Rheumatic Relief Internship Program (Total: 67)

	<u>Name</u>	<u>Major</u>
2019	Ethan Andersen	Neuroscience
	Lizzy Braby	Exercise and Wellness
	Kristin Coggins	Exercise Science
	Kaitlyn Cragun	
	Aubrey Feinour	Physiology and Developmental Biology
	Spencer Gardiner	Chemical Engineering
	Emily Gardner	Economics
	Tanner Bowen Heaton	Biochemistry
	Kameron Ho Ching	Physiology and Developmental Biology
	Katie Long	Economics
	Rachel Lyman	Exercise and Wellness
	Chance Mataalii	Political Science
	Adriella Kealani Rico	Public Health
	Emma Santiago	Nursing premajor
	Michela Sheffield	Nursing
	Kacey Sorenson	English
Ida Tovar	Public Health	
Jeddysiah Tuiloma	Exercise Science	
Sara Tuiloma	Humanities	
2018	Quentinia Aspinall	Medical Laboratory Science premajor
	Erika Bradburn	Nursing premajor
	Joshua John Cassinat	Biology
	Quianna Faamoe	Psychology
	Kenisi Fonoimoana	Medical Laboratory Science

	Tyler Heaton	Bioinformatics
	Kelsey Hogue	Public Health
	Shantelle House	Physiology and Developmental Biology
	Kyle Howard	Biology
	Amanda Huff	Public Health
	Thomas Knapp	Biology
	Emily Loertscher	Genetics, Genomics and Biotechnology
	Nathan Mella	Bioinformatics
	Sam Merrill	Microbiology
	Bailey Morrison	Public Health
	Colton Murray	Global Supply Chain Management
	Amelia Painter	Dietetics
	Ashley Poche	Exercise and Wellness
	Anna Pulido	Medical Laboratory Science
	Emily Romney	Public Health
	Amelia Thompson	Nursing
	Kevin Winchester	Physiology and Developmental Biology
<i>2017</i>	Mitchell Adams	Physiology & Developmental Biology
	John Allen	Biology
	Yvonne Allsop	Public Health
	Derek Arrington	Physiology & Developmental Biology
	MacKenzie Arrington	Human Development
	Taylor Avei	Biology
	Blake Barkdull	Division of Continuing Education
	Brandon Barkdull	Communications
	Gage Black	Bioinformatics
	Ciarah Cook	Biology
	John Cook	Physiology & Developmental Biology
	Rachel Densley	Physiology & Developmental Biology
	Robert Dickerson	Athletic Training
	Timothy Gardner	Neuroscience
	Bayley Goldsberry	English
	Lelann Latu	Exercise Science
	Chelsea Lautaha	Health Promotion
	Matthew McWilliams	Pre-management Core
	Ryan Moore	Physiology & Developmental Biology
	Spencer Nakamoto	Exercise Science
	Ryan Nash	Health Science
	Keni Reid	Neuroscience
	Kaleia Smaldone	Dietetics pre-major
	Clayn Smith	Exercise Science
	Brooke Spencer	Public Health
	Alexis Stout	Genetics Genomics and Biotechnology

## **EXTRAMURAL CITIZENSHIP ACTIVITIES (ACADEMIC)**

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<i>2020</i>	Completed tenure and advancement letter for Washington University School of Medicine
<i>2019</i>	Completed tenure and advancement letter for Washington University School of Medicine
<i>2019</i>	Completed tenure and advancement letter for University of Hawaii-Hilo

2019 Completed tenure and advancement letter for Icahn School of Medicine at Mount Sinai

2018 Completed tenure and advancement letter for Washington University School of Medicine

2018 Completed tenure and advancement letter for Indiana University

2018 Reviewed promotion/tenure file for Indiana University School of Medicine

2017 - Present Alzheimer's Assoc. International Conference Scientific Program Committee

2016 Computational Sciences Advisory Group, Michael J. Fox Foundation

2015 Alzheimer's Association International Conference Abstract Reviewer

2014 Completed Tenure Letter for Washington University School of Medicine

2014 - 2016 Alzheimer's Disease Big Data DREAM Challenge 1 Scientific Lead

2014 Alzheimer's Disease Big Data DREAM Challenge 1 Scientific Advisory Board

2014 Alzheimer's Association International Conference Abstract Reviewer

2013 Alzheimer's Association International Conference Session Chair

2013 Alzheimer's Association International Conference Abstract Reviewer

2013 Moderator for the Utah Conference for Undergraduate Research

2013 Completed Tenure Letter for Washington University School of Medicine

2012 Biotechnology and Bioinformatics Symposium Program Committee

2012 Alzheimer's Association International Conference Session Chair

2012 Alzheimer's Association International Conference Abstract Reviewer

2007 NIH Genetics of Alzheimer's Disease Planning Meeting Participant

2006 Representative of Washington University at the WCBSURC

2006 Poster Judge at the WCBSURC

2005 Representative of Washington University at CIRTL conference

### **EXTRAMURAL CITIZENSHIP ACTIVITIES (MENTORING/OUTREACH)**

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2017 Flats ecology fieldtrip, Molokai High School, Ho'olehua, HI

2016 Advising and lectures for students at Molokai High School, Ho'olehua, HI

2014 Presentations on Careers in Science, Vernal Middle School, Vernal, UT

2014 Advising and lectures for students at Molokai High School, Ho'olehua, HI

2013 Advising and lectures for students at Kamehameha Schools, Pukalani, HI

2013 Advising and lectures for students at Molokai High School, Ho'olehua, HI

2013 Hand in Hand Outdoors Board Member: Science Education Advisor

2010 Advising session for students at Molokai High School, Ho'olehua, HI

2010 Advising and lectures for students at Wasatch High School, Heber, UT

2009 Advising and lectures for students at Walden High School, Provo, UT

2009 - 2011 Queen's Center (for Pacific Islander Health) Steering Committee

2008 Managing Mentoring Relationships Seminar at WUSM, St. Louis, MO

2008 Advising session for students at Molokai High School, Ho'olehua, HI

2008 Advising with Minority Access to Research Careers students at UH

2008 Advising with Minority Access to Research Careers students at CSUN

2004 - 2008 Washington University DBBS Diversity Steering Committee

2003 - 2004 Young Scientist Program Evolution Teaching Team Member

## INTRAMURAL CITIZENSHIP ACTIVITIES

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2019 -	University Review Committee
2019	College Grant Reviewer
2018 - 2019	Chair, Department of Biology
2016 - 2018	Associate Chair, Department of Biology
2015 - 2017	College Grant Reviewer
2014 - 2015	College Endowment Committee
2013 - 2014	Special Committee for the University Council
2012 - 2013	John A. Widtsoe Grant Reviewer
2012 - 2013	Bioinformatics Faculty Search Committee Chair
2011 - 2014	Undergraduate Curriculum and Mentoring Committee
2010 - 2017	Bioinformatics Program Coordinator
2010	Undergraduate Curriculum and Mentoring Committee Chair
2010	Computational Biology Faculty Search Committee Chair
2009	ORCA and MEG Grant Reviewer
2009	Science Education Faculty Search Committee Member
2009 - 2016	Freshman Admissions Application Reader
2009	Departmental Curriculum Committee
2009	College Research Committee
2000 - 2003	BYUGSA Grant Review Board

## LANGUAGES

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English	Fluent, native speaker
Japanese	Competent speaker, basic level of reading and writing

## MEDIA

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### Radio:

[Alzheimer Research – Matt Townsend Show \(BYU Radio\)](#)

[TREM2 and Other Alzheimer’s disease progress \(BYU Radio MP3\)](#)

[Why is Former NBA Player Shawn Bradley So Tall? \(Top of Mind with Julie Rose – BYU Radio\)](#)

### Video:

[BYU’s life-saving Rheumatic Relief project \(BYU Message 2019\)](#)

### Interviews:

[\\$3 Million Grant Awarded to Utah Organizations for Alzheimer’s Research \(Good4Utah\) Evening News](#)

[Interview with Dr. Kauwe \(KUTV 2News\)](#)

[BYU Researchers discover New Alzheimer’s risk Gene \(KSL News\)](#)

### Articles:

[Shawn Bradley Is Really, Really Tall. But Why?](#)

[Scientists Link a Gene Mutation to Rheumatic Heart Disease](#)

[Alzheimer's Disease Facts and the Future \(BYU Forum\)](#)

[Tau Timing: New Findings on Disease Progression, Clearance \(Alzheimer Research Forum\)](#)

[HIV-Related Memory Loss Linked to Alzheimer's Protein \(Science Daily\)](#)

[BYU Researchers find genes that may unlock mystery to Alzheimer's disease \(Deseret News\)](#)

[Kauwe combats Alzheimer's disease, one gene at a time \(The Record\)](#)