

Curriculum Vitae

JOHN “KEONI” S.K. KAUWE, PHD

*Office of the President
Brigham Young University–Hawaii, #1971
55-220 Kulanui Street
Laie, Hawaii 96762-1294
Ph: (808) 675-3700
Email: kauwe@byu.edu
<https://kauwelab.byu.edu>*

PROFESSIONAL EXPERIENCE

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

University 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

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

2019 – present *Visiting Professor, Department of Psychiatry, Washington University*
John “Keoni” S.K. Kauwe, PHD

- 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

- 2022 – 2023 **Instructor**, Brigham Young University–Hawaii
- Designed and presented course materials for the freshman college success course, entitled “Holokai Foundations”
- 2009 – 2019 **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

- 2021-present* **External Advisor**
- Center for Pacific Innovations, Knowledge, and Opportunities (PIKO), funded by the National Institute of General Medical Sciences (NIGMS)
- 2020-present* **Board member**
- Polynesian Cultural Center
- 2018-present* **Second Vice President**
- ‘Āina Momona
- 2017-present* **Co-founder, Board member and Chair of the Scientific Advisory Board**
- Halia Therapeutics
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- 2019-2022* **Board Member/Mentor**
- Charleston Conference on Alzheimer’s Disease (CCAD)
- 2019-2021* **Consultant**
- NAD RCMAR Expert Alzheimer’s Disease and related Dementias Group
- 2013-2020* **Principal Investigator and Associate Director**
- BYU Rheumatic Relief Internship Program
- 2010-2020* **Consultant**
- Genoma LLC; Genetic analysis of complex traits.
- 2013-2016* **Scientific Lead**
- SAGE/DREAM Alzheimer’s disease Big Data Challenge
- 2016* **Organizing Committee Member**
- LDS Life Science Research Symposium
- 2014-2015* **Panelist and Committee Member**
- NIH Alzheimer's Disease Research Summit
- 2008-2014* **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: \$20,984,661*)

2021	National Institute of Health National Institute on Aging 1P01AGO66584 Natives Engaged in Alzheimer’s Research Role: Multiple Principal Investigator Funding Period: 8/01/2021-04/30/2026	Total Funding: \$14,587,610
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

- 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)

2022 CEMENT Mentoring Supplement Award
 2021 CEMENT Mentoring Supplement Award
 2020 CEMENT Mentoring Supplement Award
 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

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

2015 – 2020 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

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

- 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)

PATENTS

- 2023 *Inventor*
- Bearss, D. J., **Kauwe, J.S.K.**, Mollard A. H. A. (2023). *Inhibitors of LRRK2 Kinase* (U.S. Patent No. 11,578,061). U.S. Patent and Trademark Office.
- 2021 *Inventor*
- Bearss, D. J., **Kauwe, J.S.K.**, Mollard A. H. A. (2021). *Inhibitors of NEK7 Kinase* (U.S. Patent No. 11,161,852). U.S. Patent and Trademark Office.

PEER-REVIEWED JOURNAL ARTICLES

Total publications: 147

- Dawson, T., Rentia, U., Sanford, J., Cruchaga, C., **Kauwe, J. S. K.**, & Crandall, K. A. (2023). Locus specific endogenous retroviral expression associated with Alzheimer's disease. *Frontiers in aging neuroscience*, 15, 1186470. <https://doi.org/10.3389/fnagi.2023.1186470>
- Quigley, C.N., Gonzalez Murcia, J.D., & **Kauwe, J.S.K.** (2023). Popular solunar tables fail to predict fishing success in North American recreational freshwater trout fisheries. *SN Applied Sciences*, 5:162. <https://doi.org/10.1007/s42452-023-05379-8>
- Kawakami, J., Piccolo, S. R., **Kauwe, J. K.**, & Graves, S. W. (2023). Gender differences contribute to variability of serum lipid biomarkers for Alzheimer's disease. *Biomarkers in medicine*, 10.2217/bmm-2022-0462. Advance online publication. <https://doi.org/10.2217/bmm-2022-0462>
- Valentine, D., Teerlink, C. C., Farnham, J. M., Rowe, K., Kaddas, H., Tschanz, J., **Kauwe, J. S. K.**, & Cannon-Albright, L. A. (2022). Comorbidity and Cancer Disease Rates among Those at High-Risk for Alzheimer's Disease: A Population Database Analysis. *International journal of*

environmental research and public health, 19(24), 16419.
<https://doi.org/10.3390/ijerph192416419>

- Page, M.L., Vance, E.L., Cloward, M.E., Ringger, E., Dayton, L., Ebbert, M. T. W., The Alzheimer's Disease Neuroimaging Initiative, Miller, J. B., & **Kauwe, J. S. K.** (2022). The Polygenic Risk Score Knowledge Base offers a centralized online repository for calculating and contextualizing polygenic risk scores. *Commun Biol* 5, 899. <https://doi.org/10.1038/s42003-022-03795-x>
- Pickett, B. D., Glass, J. R., Johnson, T. P., Ridge, P.G., & **Kauwe, J. S. K.** (2022). The genome of a giant (trevally): *Caranx ignobilis*. *Gigabyte*, 1-16. <https://doi.org/10.46471/gigabyte.67>
- Ward, K. M., Pickett, B. D., Ebbert, M., **Kauwe, J.**, & Miller, J. B. (2022). Web-Based Protein Interactions Calculator Identifies Likely Proteome Coevolution with Alzheimer's Disease-Associated Proteins. *Genes*, 13(8), 1346. <https://doi.org/10.3390/genes13081346>
- Miller, J. B., Meurs, T. E., Hodgman, M. W., Song, B., Miller, K. N., Ebbert, M., **Kauwe, J.**, & Ridge, P. G. (2022). The Ramp Atlas: facilitating tissue and cell-specific ramp sequence analyses through an intuitive web interface. *NAR genomics and bioinformatics*, 4(2), lqac039. <https://doi.org/10.1093/nargab/lqac039>
- Bellenguez, C., Küçükali, F., Jansen, I. E., Klei, L., Moreno-Grau, S., Amin, N., Naj, A. C., Campos-Martin, R., Grenier-Boley, B., Andrade, V., Holmans, P. A., Boland, A., Damotte, V., van der Lee, S. J., Costa, M. R., Kuulasmaa, T., Yang, Q., de Rojas, I., Bis, J. C., Yaqub, A., ... **Kauwe, J.S.**, ... Lambert, J. C. (2022). New insights into the genetic etiology of Alzheimer's disease and related dementias. *Nature genetics*, 10.1038/s41588-022-01024-z. Advance online publication. <https://doi.org/10.1038/s41588-022-01024-z>
- Pickett, D., Talma, S., Glass, J. R., Ence, D., Johnson, T. P., Cowley, P. D., Ridge, P. G., & **Kauwe, JSK.** (2022). Genome assembly of the roundjaw bonefish (*Albula glossodonta*), avulnerable circumtropical sportfish. *Gigabyte*. <https://doi.org/10.46471/gigabyte.44>
- Shade, L. M., Katsumata, Y., Hohman, T. J., Nho, K., Saykin, A. J., Mukherjee, S., Boehme, K. L., **Kauwe, J. S.**, Farrer, L. A., Schellenberg, G. D., Haines, J. L., Mayeux, R. P., Schneider, J. A., Nelson, P. T., & Fardo, D. W. (2022). Genome-wide association study of brain arteriolosclerosis. *Journal of cerebral blood flow and metabolism: official journal of the International Society of Cerebral Blood Flow and Metabolism*, 271678X211066299. Advance online publication. <https://doi.org/10.1177/0271678X211066299>
- Kanaya, A. M., Hsing, A. W., Panapasa, S. V., Kandula, N. R., G Araneta, M. R., Shimbo, D., Wang, P., Gomez, S. L., Lee, J., Narayan, K., Mala Mau, M., Bose, S., Daviglius, M. L., Hu, F. B., Islam, N., Jackson, C. L., Kataoka-Yahiro, M., **Kauwe, J.**, Liu, S., Ma, G. X., ... Hong, Y. (2022). Knowledge Gaps, Challenges, and Opportunities in Health and Prevention Research for Asian Americans, Native Hawaiians, and Pacific Islanders: A Report From the 2021 National Institutes of Health Workshop. *Annals of internal medicine*, 10.7326/M21-3729. Advance online publication. <https://doi.org/10.7326/M21-3729>
- Dugan, A. J., Nelson, P. T., Katsumata, Y., Shade, L., Teylan, M. A., Boehme, K. L., Mukherjee, S., **Kauwe, J.**, Hohman, T. J., Schneider, J. A., Fardo, D. W., & Alzheimer's Disease Genetics Consortium (2021). Association between WWOX/MAF variants and dementia-related neuropathologic endophenotypes. *Neurobiology of aging*, S0197-4580(21)00323-7. Advance online publication. <https://doi.org/10.1016/j.neurobiolaging.2021.10.011>

- Huckvale, E. D., Hodgman, M. W., Greenwood, B. B., Stucki, D. O., Ward, K. M., Ebbert, M., **Kauwe, J.**, The Alzheimer's Disease Neuroimaging Initiative, The Alzheimer's Disease Metabolomics Consortium, & Miller, J. B. (2021). Pairwise Correlation Analysis of the Alzheimer's Disease Neuroimaging Initiative (ADNI) Dataset Reveals Significant Feature Correlation. *Genes*, *12*(11), 1661. <https://doi.org/10.3390/genes12111661>
- Dickson, S. P., Hendrix, S. B., Brown, B. L., Ridge, P. G., Nicodemus-Johnson, J., Hardy, M. L., McKeany, A. M., Booth, S. B., Fortna, R. R., **Kauwe, J.**, & NIAGADS (2021). GenoRisk: A polygenic risk score for Alzheimer's disease. *Alzheimer's & dementia (New York, N. Y.)*, *7*(1), e12211. <https://doi.org/10.1002/trc2.12211>
- Pickett, B. D., Glass, J. R., Ridge, P. G., & **Kauwe, J.** (2021). De novo genome assembly of the marine teleost, bluefin trevally (*Caranx melampygus*). *G3 (Bethesda, Md.)*, *11*(10), jkab229. <https://doi.org/10.1093/g3journal/jkab229>
- Dugan, A. J., Nelson, P. T., Katsumata, Y., Shade, L., Boehme, K. L., Teylan, M. A., Cykowski, M. D., Mukherjee, S., **Kauwe, J.**, Hohman, T. J., Schneider, J. A., Alzheimer's Disease Genetics Consortium, & Fardo, D. W. (2021). Analysis of genes (TMEM106B, GRN, ABCC9, KCNMB2, and APOE) implicated in risk for LATE-NC and hippocampal sclerosis provides pathogenetic insights: a retrospective genetic association study. *Acta neuropathologica communications*, *9*(1), 152. <https://doi.org/10.1186/s40478-021-01250-2>
- Teerlink, C. C., Miller, J. B., Vance, E. L., Staley, L. A., Stevens, J., Tavana, J. P., Cloward, M. E., Page, M. L., Dayton, L., Alzheimer's Disease Genetic Consortium, Cannon-Albright, L. A., **Kauwe, J. S. K.** (2021). Analysis of high-risk pedigrees identifies 11 candidate variants for Alzheimer's disease. *Alzheimers Dement.* doi.org/10.1002/alz.12397
- Saito, E. R., Miller, J. B., Harari, O., Cruchaga, C., Mihindikulasuriya, K. A., **Kauwe, J. S. K.**, & Bikman, B. T. (2021). Alzheimer's disease alters oligodendrocytic glycolytic and ketolytic gene expression. *Alzheimers Dement.* doi.org/10.1002/alz.12310
- McKinnon, L. M., Miller, J. B., Whiting, M. F., **Kauwe, J. S. K.**, & Ridge, P. G. (2021). A comprehensive analysis of the phylogenetic signal in ramp sequences in 211 vertebrates. *Sci Rep*, *11*(1), 622. doi:10.1038/s41598-020-78803-3
- Glass, J. R., Santos, S. R., **Kauwe, J. S.**, Pickett, B. D., & Near, T. J. (2021). Phylogeography of two marine predators, giant trevally (*Caranx ignobilis*) and bluefin trevally (*Caranx melampygus*), across the Indo-Pacific. *Bulletin of Marine Science*.
- Vance, E., Gonzalez, J. D., Miller, J. B., Alzheimer's Disease Genetics, C., Staley, L., Crane, P. K., Mukherjee, S., & **Kauwe, J. S. K.** (2020). Failure to detect synergy between variants in transferrin and hemochromatosis and Alzheimer's disease in large cohort. *Neurobiol Aging*, *89*, 142 e149-142 e112. doi:10.1016/j.neurobiolaging.2020.01.013
- Strickland, S. L., Reddy, J. S., Allen, M., N'Songo, A., Burgess, J. D., Corda, M. M., Ballard, T., Wang, X., Carrasquillo, M. M., Biernacka, J. M., Jenkins, G. D., Mukherjee, S., Boehme, K., Crane, P., **Kauwe, J. S.**, Ertekin-Taner, N., & Alzheimer's Disease Genetics, C. (2020). MAPT haplotype-stratified GWAS reveals differential association for AD risk variants. *Alzheimers Dement*, *16*(7), 983-1002. doi:10.1002/alz.12099

- Sherva, R., Gross, A., Mukherjee, S., Koesterer, R., Amouyel, P., Bellenguez, C., Dufouil, C., Bennett, D. A., Chibnik, L., Cruchaga, C., Del-Aguila, J., Farrer, L. A., Mayeux, R., Munsie, L., Winslow, A., Newhouse, S., Saykin, A. J., **Kauwe, J. S. K.**, Alzheimer's Disease Genetics, C., Crane, P. K., & Green, R. C. (2020). Genome-wide association study of rate of cognitive decline in Alzheimer's disease patients identifies novel genes and pathways. *Alzheimers Dement*, *16*(8), 1134-1145. doi:10.1002/alz.12106
- Sanders, C. L., Rattinger, G. B., Deberard, M. S., Hammond, A. G., Wengreen, H., **Kauwe, J. S. K.**, Buhusi, M., & Tschanz, J. T. (2020). 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*, *75*(9), 1633-1642. doi:10.1093/gerona/glz200
- Murcia, J. D. G., Weinert, A., Freitas, C. M. T., Arens, D. K., Ferrel, M. N., Grose, J. H., Ridge, P. G., Wilson, E., **Kauwe, J. S. K.**, & Weber, K. 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. doi:10.1038/s41598-020-64755-1
- Miller, J. B., Ward, E., Staley, L. A., Stevens, J., Teerlink, C. C., Tavana, J. P., Cloward, M., Page, M., Dayton, L., Alzheimer's Disease Genetics, C., Cannon-Albright, L. A., & **Kauwe, J. S. K.** (2020). Identification and genomic analysis of pedigrees with exceptional longevity identifies candidate rare variants. *Neurobiol Dis*, *143*, 104972. doi:10.1016/j.nbd.2020.104972
- Miller, J. B., McKinnon, L. M., Whiting, M. F., **Kauwe, J. S. K.**, & Ridge, P. G. (2020). Codon Pairs are Phylogenetically Conserved: A comprehensive analysis of codon pairing conservation across the Tree of Life. *PLoS One*, *15*(5), e0232260. doi:10.1371/journal.pone.0232260
- Miller, J. B., & **Kauwe, J. S. K.** (2020). Predicting Clinical Dementia Rating Using Blood RNA Levels. *Genes (Basel)*, *11*(6). doi:10.3390/genes11060706
- Katsumata, Y., Abner, E. L., Karanth, S., Teylan, M. A., Mock, C. N., Cykowski, M. D., Lee, E. B., Boehme, K. L., Mukherjee, S., **Kauwe, J. S. K.**, Kryscio, R. J., Schmitt, F. A., Fardo, D. W., & Nelson, P. T. (2020). Distinct clinicopathologic clusters of persons with TDP-43 proteinopathy. *Acta Neuropathol*, *140*(5), 659-674. doi:10.1007/s00401-020-02211-0
- Hodgman, M. W., Miller, J. B., Meurs, T. E., & **Kauwe, J. S. K.** (2020). CUBAP: an interactive web portal for analyzing codon usage biases across populations. *Nucleic Acids Res*, *48*(19), 11030-11039. doi:10.1093/nar/gkaa863
- Wright, S. M., Jensen, S. L., Cockriel, K. L., Davis, B., Tschanz, J. T., Munger, R. G., Corcoran, C. D., & **Kauwe, J. S. K.** (2019). Association study of rs3846662 with Alzheimer's disease in a population-based cohort: the Cache County Study. *Neurobiol Aging*, *84*, 242 e241-242 e246. doi:10.1016/j.neurobiolaging.2019.03.004
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BOOK CHAPTERS

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 (65)

- Presentation, DC Convening on Religious Universities, January 2023
- Careers in Science, Beyond the Lab, Division of Biology & Biomedical Sciences (DBBS) 50th Anniversary Celebration, April 2023.
- Cognitive Function and Healthy Aging, Asian American, Native Hawaiian, and Pacific Islander Health Research Workshop, 2021.
- O ke kahua ma mua, ma hope ke kukulu: The Site First and Then the Building, University of Hawaii, Hilo, 2021
- 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 β levels.
- Psychiatry Department Seminar. Washington University School of Medicine, St. Louis, MO 2007. Use of cerebrospinal fluid A β 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 β levels.
- O'Leary Award for Research in Neuroscience Finalists Seminar. Washington University, St. Louis, MO 2007. Use of cerebrospinal fluid A β 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 β 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- β 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)

- 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- β 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 April 2022)

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 – 2023

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 – 2021
Alex Freeman	MS	2016 – 2018
Justin Miller	PhD	2018
Dustin Miller	PhD	2017 – 2021
Kaylee Smiler	MS	2022 – present

SUMMARY OF UNDERGRADUATE STUDENT MENTORING: (Students Total: 152)

#Ben Ainscough	Channing Hancock	# Ammon Perkes
Alan Alohikea	Adam Hansen	#Rachel Perry
#John Allen	Jeremy Harris	## ¹ David Peterson
Alex Allred	Alex Hatch	Joseph Peterson
Brandon Anderson	*Grace Hawkins	*#Michael Peterson
Michael Arntsen	Nicholas Heimann	Patton Pettijohn
Derek Arrington	Micah Heimuli	#Brandon Pickett
MacKenzie Arrington	## ¹ Ariel Hippen	Lucas Pinto
Quentinia Aspinall	Kameron Ho Ching	*Calvin Quigley
*Taylor Avei	* ¹ Matthew Hodgman	*Keni Reid
#Matthew Bailey	Parker Hollingsworth	Ed Ringger
Benjamin Bearss	#Kaitlyn Bell Hoyt	*#Frederick Rohlfling
Hilary Benedict	Erik Huckvale	Ryan Rupper
Aaron Biehl	Jeremy Hunt	Jordan Salmon
**Gage Black	Todd Jaramillo	Iuliia Sambur
*#Kevin Boehme	*#Samantha Jensen	Emma Santiago
Josh Browning	Matthew Johnson	Alina Schmidt
#Daniel Bunker	Sarah Karlinsey	*#Cameron Schmutz
*#Devan Bursey	Curtis Killpack	Hunter Schone
*Joshua Cassinat	Nathan Killpack	*Victoria Scott
Moroni Chalita	Jackson King	*Emily Sears
#Matthew Cloward	*Krista Klinger	Robert Seymour
*#Jesse Cobell	In Kwon	! ¹ Aaron Sharp
Cassidy Cook	Annaleah Larson	Aaron Simmons
Ciarah Cook	Lelann Latu	Scott Smith
*Tanner Cox	#Wayne Latu	*Brandon Soelberg
Katherine Crawford	***Mo Lee	Benjamin Song
*#Kristen Cockriel Crofts	Keoki Leong	Chad Sorenson
Ivy Cuthbert	Lia Ludlam	Brooke Spencer
Francisco Darquea	! ¹ Caitlin Munger Lythgoe	Sarah Spendlove
*#Brian Davis	Monica Mackay	! ¹ ##Lyndsay Staley
*#Louisa Dayton	Devan McBee	Ryan Stinger
Adam DeMello	Katherine McFarlane	Casey Stinnett
Shane Dooley	Tasha McGhie	Chase Stolworthy
Ashlee Ebbert	David McKean	Billy Strong
*Ryan Egbert	*Miles McKee	#Manti Su'a
*Spencer Ewert	Lauren McKinnon	Trent Tipton
Matthew Eyring	#Taylor Meurs	Jeddysiah Tuiloma
*Matthew Fabiszak	Ailana Meyer	**Eleni Tukuafu
JD Falslev	#Ryan Miller	Taylor Turnbull
*#Meganne Ferrel	Jeff Mortensen	Kanani Uluave
Jake Fitisemanu	*Tyler Mower	*David Valentine
Kenisi Fonoimoana	Orlando Negron	* ¹ Elizabeth Vance
*#Spencer Foutz	Heankel Oliveros	Kayla Vainerere
Austin Gale	Maveni Palu	#*Mark Wadsworth
Harrison Garrett	#Madeline Page	Katrisa Ward
Eden Gillette	*#Joshua Parker	Tyler Weenig
## ¹ # Josue Murcia Gonzalez	*#Sheradyn Parker	Michelle Wilkins
*#Aaron Gustin	Braden Patten	*Austin Wright
Elizabeth Guy	*David Patty	*! ¹ #Sage Wright
Mike Hague	Lauren Pennington	Rachel McDonald Young
*+Omoremi Hamblin		

^{*}BYU Undergraduate Research Awards (52 awards/46 students)

[#]Co-author on a Manuscript (39 students on 39 manuscripts)

[!]First Author on a Manuscript (9 students on 11 manuscripts)

⁺Honors Thesis (1)

OTHER TEACHING AND MENTORING ACTIVITIES

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
2017	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)

2023	Washington University in St. Louis, Division of Biology & Biomedical Sciences (DBBS) 50 th Anniversary Celebration Planning Committee
2022	Completed tenure and advancement letter for Washington University School of Medicine
2020	Completed tenure and advancement letter for Washington University School of Medicine

2019 Completed tenure and advancement letter for Washington University School of Medicine

2019 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)

2022 Careers in genetics and biotechnology, Kamehameha Schools, Honolulu, HI

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
2002	Utah High School Association Science Fair Judge

INTRAMURAL CITIZENSHIP ACTIVITIES

2019 - 2020	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

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

MEDIA

Radio:

[Alzheimer Research – Matt Townsend Show \(BYU Radio\)](#)
[Why is Former NBA Player Shawn Bradley So Tall? \(Top of Mind with Julie Rose – BYU Radio\)](#)
[Utah’s Pacific Islanders play a crucial role in BYU Alzheimer’s research](#) (All Things Considered, NPR)

Video:

[BYU's life-saving Rheumatic Relief project \(BYU Message 2019\)](#)
[BYU Pacific Islanders bring Alzheimer’s tools to their communities](#)

Webinar:

[Why Trust Science and History, September 2021](#)

John “Keoni” S.K. Kauwe, PHD

CV Revised 11/13/2024

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Interviews:

[\\$3 Million Grant Awarded to Utah Organizations for Alzheimer’s Research \(Good4Utah\) Evening News Interview with Dr. Kauwe \(KUTV 2News\)](#)
[BYU Researchers uncover genetic link that could protect against Alzheimer’s disease \(KSL.com\)](#)
[Utah’s Pacific Islanders play a crucial role in BYU Alzheimer’s research \(KUER\)](#)

Podcast:

[Scientist to President: How was Scientist Dr. John “Keoni” Kauwe Chosen to Lead BYU-Hawaii?](#)

Articles:

[Shawn Bradley Is Really, Really Tall. But Why? \(Wall Street Journal\)](#)
[Scientists Link a Gene Mutation to Rheumatic Heart Disease \(New York Times\)](#)
[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 \(The Record\)](#)
[Halia Therapeutics opens Lehi lab, hopes to test new dementia drug within a year \(Daily Herald\)](#)
[Alzheimer’s study aims to reach Hawaiians, Pacific Islanders \(Honolulu Star-Advertiser\)](#)
[BYU research team find rates of Alzheimer’s gene four times higher in Pacific Islanders \(BYU News\)](#)
[Indigenous researchers work to close gaps in Alzheimer’s data \(USA Today\)](#)
[Get to know BYU–Hawaii’s new president – a native son of the islands \(Church News\)](#)
[Here’s how Halia Therapeutics aims to curb Alzheimer’s—and more](#)

Opinion Pieces:

[The purpose driven university \(Deseret News\) \(Kauwe, 9/14/2022\)](#)
[Using Science to Crush COVID-19 \(Kauwe, 2/25/2021\)](#)