

Yuriko Katsumata

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College of Public Health *Email:* katsumata.yuriko AT uky.edu
Department of Biostatistics
760 Press Ave, Room 376
Lexington, KY 40536

PROFESSIONAL EXPERIENCE

Research Associate Professor Jul 2024 - present
Department of Biostatistics, College of Public Health,
University of Kentucky, KY, USA

Research Assistant Professor Jan 2018 - Jun 2024
Department of Biostatistics, College of Public Health,
University of Kentucky, KY, USA

Graduate Research Assistant of Dr. David W. Fardo Sep 2013 - Dec 2017
Department of Biostatistics, College of Public Health,
University of Kentucky, KY, USA

Research Scholar Sep 2011 - Aug 2013
Layton Aging and Alzheimer's Disease Center, Oregon Health
and Science University, OR, USA

Assistant Professor Jun 2011 - Sep 2011
Center of Residency and Fellowship Program, University
Hospital, Faculty of Medicine, University of the Ryukyus,
Okinawa, Japan

Assistant Professor Jun 2006 - Jun 2011
Department of Public Health and Hygiene, Graduate School
of Medicine, University of the Ryukyus, Okinawa, Japan

Visiting Researcher Oct 2005 - Jun 2006
Research Center for Zoonosis Control, Hokkaido University,
Hokkaido, Japan

Research Assistant of Dr. Hiko Tamashiro Apr 2001 - Mar 2004
Department of Health for Senior Citizens, Graduate School of
Medicine, Hokkaido University, Hokkaido, Japan

Researcher in environmental assessment Feb 1999 - Feb 2000
Eco Research, Inc., Tochigi, Japan

Japan Overseas Cooperation Volunteers (JOCV) Japan Apr 1997 - Jul 1998
Japan International Cooperation Agency (JICA),
Japan affiliated to Ministry of Foreign Affairs of Japan,
Tabora, Tanzania

EDUCATION **University of Kentucky, Lexington, KY USA**

Ph.D. Epidemiology and Biostatistics Dec 2017
Dissertation: "Statistical analyses to detect and refine genetic
associations with neurodegenerative diseases"
Project 1: Genes linked to hippocampal sclerosis of aging: *GRN*,
TMEM106B, *ABCC9*, and *KCNMB2*.
Project 2: Translating Alzheimer's disease risk polymorphisms into
functional candidates: a survey of IGAP genes.
Project 3: Rare variants associated with Alzheimer's disease.

	Hokkaido University, Hokkaido, Japan	
	Ph.D. Social Medicine	Sep 2005
	Dissertation: "Gender differences in the contributions of risk factors to depressive symptoms among the elderly persons dwelling in a community, Japan"	
	Kanazawa University, Ishikawa Japan	
	M.S. Physics	Mar 1997
	Kanazawa University, Ishikawa Japan	
	B.S. Physics	Mar 1995
TEACHING EXPERIENCE	University of Kentucky, Lexington, KY USA	
	Faculty Instructor	Jan 2021 - present
	· CPH738-002: Special Topics: Computational Methods in Statistical Genetics	
	Student assistant	Jan 2016 - May 2017
	· Introduction to Statistical Genetics	
	· Applied Statistical Genetics	
	Hokkaido University, Hokkaido Japan	
	Guest lecturer	May 21 and 28, 2015
	· Society and Health II, Epidemiology I	
	Teaching assistant	Apr 2000 - Mar 2001
	· Public Health	
	University of the Ryukyus, Okinawa Japan	
	Faculty Instructor	Jun 2006 - Jun 2011
	· Elementary Statistical Analysis using Microsoft Excel and SAS	
	· Introduction to Epidemiology	
	· Health for Older People	
	· Japanese Social Security	
MENTORING EXPERIENCE	Hady Sabra (PhD student)	Aug 2023 - present
	University of Kentucky	
	Khine Zin Aung (Postdoctoral scholar)	Aug 2023 - present
	University of Kentucky	
	Xian Wu (Postdoctoral scholar)	Feb 2023 - present
	University of Kentucky	
	Justin M. Thomas (Postdoctoral scholar)	Nov 2022 - present
	University of Kentucky	
	Ryan Shahidehpour (PhD student)	Sep 2020 - Jun 2024
	University of Kentucky	
	Lincoln Shade (PhD student)	Sep 2019 - May 2023
	University of Kentucky	
	Silvia Parvez (MS student)	Apr 2008 - Mar 2009
	University of the Ryukyus	
EDITORIAL & REVIEW ACTIVITIES	Statistical Review Editor for <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i>	Jul 2021 - present
	Statistical Reviewer for <i>Journal of Alzheimer's Disease</i>	Mar 2019 - February 2025

INVITED
TALKS

Alzheimer's Disease and Statistical Genetics A Statistics Club/Mu Sigma Rho Event, Eastern Kentucky University, Richmond, KY	3 Feb 2020
Limbic-Predominant Age-Related TDP-43 Encephalopathy Neuropathologic Changes (LATE-NC), Alzheimer's Disease Neuropathologic Changes (ADNC), and FTLN-TDP: Associated Clinical Symptoms 2019 Fall ADC Meeting -REC Junior Investigator Session, Hyatt Regency St. Louis at The Arch, St. Louis, MO	11 Oct 2019
Translating Alzheimer's Disease Risk Polymorphisms into Functional Candidates. ENAR 2018 Spring Meeting, Statistical Approaches for Handling Important Challenges Facing Current Aging Research Session, Hyatt Regency Atlanta on Peachtree Street, Atlanta, GA	27 Mar 2018
Introduction to Generalized Estimating Equations The 15th Hiroshima Young Cardiologist Seminar, University of Hiroshima, Hiroshima, Japan	18 Jun 2010

RESEARCH
FUNDING
Active

<i>R01AG082730 - Mukherjee (PI)</i> NIH (NIA) Genetic Architecture of Pure Alzheimer's Disease and Mixed Pathology Role: Co-I	1 Sep 2023 - 31 May 2028
<i>R1AG082339 - Fardo, Nelson (PIs)</i> NIH (NIA) Genetic Architecture of Aging-Related TDP-43 and Mixed Pathology Dementia Role: Co-I	15 Apr 2023 - 31 Mar 2026
<i>P01AG078116 - Norris (PI)</i> NIH (NIA) Strategies for targeting astrocyte reactivity in Alzheimer's disease and related dementias Role: Core D (Data Management and Biostatistics) leader	1 Sep 2022 - 30 Jun 2027
<i>NACC New Investigator Award - Katsumata (PI)</i> National Alzheimer's Coordinating Center (NACC) Pathway-specific polygenic risk scores on mixed neuropathologies Role: PI	1 Jun 2022 - 31 May 2025
<i>P30AG072946 - Van Eldik (PI)</i> University of Kentucky Alzheimer's Disease Research Center Role: Co-I	1 Jul 2021 - 30 Jun 2026
<i>R01DK124774 - Pendergast (PI)</i> National Alzheimer's Coordinating Center (NACC) Pathway-specific polygenic risk scores on mixed neuropathologies Role: PI	1 April 2021 - 31 Jan 2026

RESEARCH
FUNDING
Completed

<i>ADRC Developmental Project - Katsumata (PI)</i> UK-ADC (P30AG072946) Comprehensive Search for Genetic Structural Variants Associated with Late-Onset Alzheimer's Disease Scope	1 Oct 2021 - 30 Sep 2023
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<p>Role: PI <i>R01AG057187 - Nelson (PI)</i> NIH (NIA) Novel Pathogenetic Mechanism for Hippocampal Sclerosis, a Common Alzheimers Mimic Role: Co-I</p>	<p>15 Jul 2017 - 31 Mar 2023</p>
<p><i>R56AG 057191 - Fardo (PI)</i> NIH (NIA) Genomic Architecture of a Key Alzheimer's Disease Mimic: CARTS Role: Co-I</p>	<p>15 May 2019 - 30 Aug 2022</p>
<p><i>R01 AG054060 - Naj (PI)</i> NIH (NIA) Pleiotropy GWAS of Alzheimer's Disease Role: Co-I</p>	<p>15 Sep 2016 - 30 Apr 2022</p>
<p><i>R21AG061551 - Nelson (PI)</i> NIH (NIA) Novel Misfolded Proteins in ADRD: Proteomics, Genetics, and Clinical-Pathological Correlations Role: Co-I</p>	<p>15 Apr 2019 - 31 Jan 2021</p>
<p><i>CPH-pilot - Katsumata (PI)</i> College of Public Health, University of Kentucky Causal effects of type 2 diabetes mellitus on Alzheimer's disease Role: PI</p>	<p>1 Dec 2019 - 30 Jun 2020</p>
<p><i>ADC-pilot - Katsumata (PI)</i> UK-ADC (P30AG028383) Developing a new statistical tool to examine the associations between rare variants and LOAD-related ordinal phenotype Role: PI</p>	<p>1 Jul 2019 - 30 Jun 2020</p>
<p><i>K25AG043546 - Fardo (PI)</i> NIH (NIA) Statistical Genetics Methods for Mixed Pathologies Role: Graduate Research Assistant</p>	<p>15 Aug 2013 - 31 Mar 2017</p>
<p><i>Grant-in-Aid for Scientific Research (C) - Inoue (PI)</i> Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT) Cohort study for verifying the heart rate lowering therapy for the prevention of cardiovascular event in diabetic patients with coronary artery disease Role: Co-I</p>	<p>1 Apr 2010 - 31 Mar 2012</p>
<p><i>Grant-in-Aid for Scientific Research (B) - Todoriki (PI)</i> Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT) Intervention trial of the traditional vegetable-rich Okinawa diet: From the perspective of behavior modification of community residents Role: Co-I</p>	<p>1 Apr 2009 -31 Mar 2012</p>
<p><i>Grant-in-Aid for Young Scientists (B) - Katsumata (PI)</i> Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT) A prospective cohort study for the prevention of cognitive impairment among the Okinawan elderly Role: PI</p>	<p>1 Apr 2008 -31 Mar 2010</p>
<p><i>Grant-in-Aid for Scientific Research (C) - Aoki (PI)</i></p>	<p>1 Apr 2008 -31 Mar 2010</p>

Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)
Prevalence of H. pylori Infection and Chronic Atrophic Gastritis in the Dominican Children
Role: Co-I

Grant-in-Aid for Scientific Research (C) - Tei (PI) 1 Apr 2007 - 31 Mar 2008

Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)
The Effect of Hyperthermia on Serum Lipid and Oxidative Marker
Role: Co-I

Grant-in-Aid for Scientific Research (B) - Aoki (PI) 1 Apr 2006 - 31 Mar 2008

Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)
Epidemiological Study on the Effect of Helicobacter Pylori Infection on Chronic Atrophic Gastritis in Different Ethnic Groups
Role: Co-I

HONORS & AWARDS

- Outstanding PhD Award, College of Public Health, University of Kentucky, 2018
- Delta Omega Public Health Honor Society, 2018
- McCullers Scholar, University of Kentucky, 2017
- Mu Sigma Rho Statistical Honor Society, Elected 2015
- Best Performance Epidemiology and Biostatistics Ph.D. Comprehensive Student Exam, Department of Biostatistics, College of Public Health, University of Kentucky, 2015
- Genetic Analysis Workshop (GAW) 19 Student Travel Award, 2014
- Research Encouraging Award, Japan Personal Computer Application Technology Society, 2008

COMPUTER SKILLS

- R
- Python
- UNIX shell scripting
- SAS
- Ruby
- Microsoft Access VBA

CONFERENCES: ORAL & POSTER

- Katsumata Y**, Wu X, Aung KZ, Tsuchiya I, Shade LM, Karanth S, Gauthreaux K, Mock C, Kukull WA, Abner EL, Nelson PT, Fardo DW. Biological pathway-based Alzheimer's Disease polygenic risk score and proteinopathy.
Poster presentation at the Alzheimer's Association International Conference 2024 (July 28 - August 1, 2024)
- Katsumata Y**, Fardo DW, Nelson PT, Abner EL. Genetic associations with mixed neuropathologies in the aging brain: Application of item response theory to the study.
Poster presentation at the Alzheimer's Association International Conference 2023 (July 16 - July 20, 2023)
- Katsumata Y**, Fardo DW, Nelson PT, Abner EL. Application of item response theory to the study of mixed neuropathologies in the aging brain.
Oral presentation at the 2022 Hybrid Fall ADRC Meeting Data Core Pre-Meeting Workshop (October 19, 2022)
- Katsumata Y**, Abner EL, Kryscio RJ, Schmitt FA, Fardo DW, Nelson PT. Alzheimer's Disease-Related Polygenic Risk Score Profiles and Brain Proteinopathies.
Poster presentation at the Alzheimer's Association International Conference 2022 (July 30 - August 4, 2022)

- Katsumata Y, Abner EL, Karanth S, Teylan MA, Mock CN, Kryscio RJ, Schmitt FA, Fardo DW, Nelson PT.** Genetic association with clusters of persons with TDP-43 proteinopathy.
Poster presentation at the Alzheimer's Association International Conference 2021 (July 26 - 30, 2021)
- Katsumata Y, Karanth S, Nelson PT, Kryscio RJ, Schmitt FA, Fardo DW, Abner EL.** Type 2 diabetes and cognitive status: A causal inference approach to estimate effects.
Poster presentation at the Alzheimer's Association International Conference 2020 (July 29, 2020)
- Katsumata Y, Abner EL, Kryscio RJ, Schmitt FA, Fardo DW, Nelson PT.** Associations between TDP-43 Proteinopathy and Cognitive Test Scores in Non-FTLD Older Adults.
Poster presentation at the Alzheimer's Association International Conference 2019, Los Angeles, CA, USA (July 16, 2019)
- Katsumata Y, Ellingson SR, Nelson PT, Fardo DW.** Genetic Association of the ABCC9 Gene with Hippocampal Sclerosis of Aging Neuropathology.
Poster presentation at the 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, USA (July 23, 2017)
- Katsumata Y, Fardo DW.** Rare variants associated with Alzheimer's disease.
Poster presentation at the 12th Annual CCTS Spring Conference, University of Kentucky, Lexington, KY, USA (March 30, 2017)
- Katsumata Y, Ellingson SR, Nelson PT, Fardo DW.** Examining hippocampal sclerosis of aging genes: ABCC9, GRN, KCNMB2 and TMEM106B.
Poster presentation at the 5th Annual Markesbery Symposium on Aging and Dementia, University of Kentucky, Lexington, KY, USA (November 20, 2015)
Poster presented at the 11th Annual CCTS Spring Conference, University of Kentucky, Lexington, KY, USA (April 21, 2016)
- Katsumata Y, Mathews M, Abner EL, Jicha GA, Caban-Holt A, Smith CD, Nelson PT, Kryscio RJ, Schmitt FA, Fardo DW.** Assessing discriminant ability, reliability, and comparability of multiple short forms of the Boston Naming Test.
Poster presentation at the 4th Annual Markesbery Symposium on Aging and Dementia, University of Kentucky, Lexington, KY, USA (November 21, 2014)
Poster presentation at the 10th Annual CCTS Spring Conference, University of Kentucky, Lexington, KY, USA (March 25, 2015)
- Katsumata Y, Dodge HH, Higashiesato Y, Zheng KC, Todoriki H, Yasura S, Aoki K.** Cohort study in the metabolic syndrome and cognitive functions among the oldest old in Okinawa.
Poster presentation at the 68th Annual Meeting of Japanese Society of Public Health, Nara, Japan (October 22, 2009)
- Katsumata Y, Aoki K.** Simple scatter plot graph creator developed by free software.
Oral presentation at the 3rd Japan Personal Computer Application Technology Society, Tokyo, Japan (November 30, 2008)
- Katsumata Y, Dodge HH, Higashiesato Y, Zheng KC, Todoriki H, Yasura S, Aoki K.** Cross-sectional associations between the metabolic syndrome and cognitive functions among the oldest old in Okinawa.
Poster presentation at the 67th Annual Meeting of Japanese Society of Public Health, Fukuoka, Japan (November 11, 2008)
- Katsumata Y, Dodge HH, Higashiesato Y, Zheng KC, Inafuku S, Higa D, Todoriki H, Yasura S, Craig Willcox D, Ohya Y, Yasura S, Todoriki H.** Cross-sectional associations between blood cell count, lipid levels and cognitive functions.
Poster presentation at the 23rd Annual Meeting of the Japanese Psychogeriatric Society, Hyogo, Japan (June 27, 2008)

Katsumata Y, Tamashiro H. Association between negative life events and depressive symptoms among community-dwelling older adults.

Poster presentation at the 71st Annual Meeting of the Japanese Society of Health and Human Ecology, Okinawa, Japan (November 10, 2006)

Katsumata Y, Hoshikosi M, Mori M, Arai A, Konno K, Sato K, Ishida K, Usami K, Tamashiro H. Mental health and life style in Minamifurano, 2002.

Oral presentation at the 54th Annual Meeting of the Hokkaido Society of Public Health, Hokkaido, Japan (November 22, 2002)

Katsumata Y, Oki M, Arai A, Konno K, Sato K, Ishida K, Usami K, Tamashiro H. Changes in QOL before and after the start of long-term care insurance policy in Minamifurano.

Poster presentation at the 61st Annual Meeting of Japanese Society of Public Health, Saitama, Japan (October 25, 2002)

Katsumata Y, Arai A, Konno K, Ohta K, Ishida K, Sato K, Utsugi M, Kobashi G, Tamashiro H. Visualization of data from health, welfare and care information.

Oral presentation at the 53rd Annual Meeting of the Hokkaido Society of Public Health, Hokkaido, Japan (November 30, 2001)

Katsumata Y, Arai A, Konno K, Ishida K, Ohta K, Kobashi G, Tamashiro H.

Visualization of data from health, welfare and care information on Web site.

Poster presentation at the 60th Annual Meeting of Japanese Society of Public Health, Kagawa, Japan (November 2, 2001)

- PUBLICATIONS
1. Arai A, Ozaki T, **Katsumata Y**. Importance of social functioning for older adults in the communities, the facilities, the clinics, and in the future. *Int Psychogeriatr*. 2024 Dec;36(12):1089-1092.
 2. Amioka N, Franklin MK, Kukida M, Zhu L, Moorleggen JJ, Howatt DA, **Katsumata Y**, Mullick AE, Yanagita M, Martinez-Irizarry MM, Sandoval RM Jr, Dunn KW, Sawada H, Daugherty A, Lu HS. Renal Proximal Tubule Cell-Specific Megalin Deletion Does Not Affect Atherosclerosis But Induces Tubulointerstitial Nephritis in Mice Fed a Western Diet. *Arterioscler Thromb Vasc Biol*. 2025 Jan;45(1):74-89.
 3. **Katsumata Y**, Wu X, Aung KZ, Fardo DW, Woodworth DC, Sajjadi SA, Tomé SO, Thal DR, Troncoso JC, Chang K, Mock C, Nelson PT. Pure LATE-NC: Frequency, clinical impact, and the importance of considering APOE genotype when assessing this and other subtypes of non-Alzheimer's pathologies. *Acta Neuropathol*. 2024 Nov 15;148(1):66.
 4. Kovacs GG, **Katsumata Y**, Wu X, Aung KZ, Fardo DW, Forrest SL; Alzheimer's Disease Genetics Consortium; Nelson PT. Pure LATE-NC: Frequency, clinical impact, and the importance of considering APOE genotype when assessing this and other subtypes of non-Alzheimer's pathologies. *Brain*. 2025 Feb 3;148(2):401-407.
 5. Shade LMP, **Katsumata Y**, Abner EL, Aung KZ, Claas SA, Qiao Q, Heberle BA, Brandon JA, Page ML, Hohman TJ, Mukherjee S, Mayeux RP, Farrer LA, Schellenberg GD, Haines JL, Kukull WA, Nho K, Saykin AJ, Bennett DA, Schneider JA; National Alzheimer's Coordinating Center; Ebbert MTW, Nelson PT, Fardo DW. GWAS of multiple neuropathology endophenotypes identifies new risk loci and provides insights into the genetic risk of dementia. *Nat Genet*. 2024 Nov;56(11):2407-2421.
 6. Shahidehpour RK, Nelson PT, **Katsumata Y**, Bachstetter AD. Exploring the link between dystrophic microglia and the spread of Alzheimer's neuropathology. *Brain*. 2025 Jan 7;148(1):89-101.
 7. Franklin MK, Sawada H, Ito S, Howatt DA, Amioka N, Liang CL, Zhang N, Graf DB, Moorleggen JJ, **Katsumata Y**, Lu HS, Daugherty A. β -Aminopropionitrile Induces Distinct Pathologies in the Ascending and Descending Thoracic Aortic Regions of Mice. *Arterioscler Thromb Vasc Biol*. 2024 Jul;44(7):1555-1569.
 8. Nelson PT, Fardo DW, Wu X, Aung KZ, Cykowski MD, **Katsumata Y**. Limbic-

- predominant age-related TDP-43 encephalopathy (LATE-NC): Co-pathologies and genetic risk factors provide clues about pathogenesis. *J Neuropathol Exp Neurol*. 2024 May 22;83(6):396-415.
9. **Katsumata Y**, Fardo DW, Shade LMP, Wu X, Karanth SD, Hohman TJ, Schneider JA, Bennett DA, Farfel JM, Gauthreaux K, Mock C, Kukull WA, Abner EL, Nelson PT; Alzheimer's Disease Neuroimaging Initiative; National Alzheimer's Coordinating Center. Genetic associations with dementia-related proteinopathy: Application of item response theory. *Alzheimers Dement*. 2024 Apr;20(4):2906-2921.
 10. **Katsumata Y**, Wu X, Aung KZ, Gauthreaux K, Mock C, Forrest SL, Kovacs GG, Nelson PT. Pathologic correlates of aging-related tau astroglialopathy: ARTAG is associated with LATE-NC and cerebrovascular pathologies, but not with ADNC. *Neurobiol Dis*. 2024 Feb;191:106412.
 11. Niedowicz DM, **Katsumata Y**, Nelson PT. In severe ADNC, hippocampi with comorbid LATE-NC and hippocampal sclerosis have substantially more astrocytosis than those with LATE-NC or hippocampal sclerosis alone. *J Neuropathol Exp Neurol*. 2023 Nov 20;82(12):987-994.
 12. Karanth S, Braithwaite D, **Katsumata Y**, Duara R, Norrod P, Aukhil I, Abner EL. Association of physical frailty and cognitive function in a population-based cross-sectional study of American older adults. *Gerontology*. 2024;70(1):48-58.
 13. Ito S, Amioka N, Franklin MK, Wang P, Liang CL, **Katsumata Y**, Cai L, Temel RE, Daugherty A, Lu HS, Sawada H. Association of NOTCH3 With Elastic Fiber Dispersion in the Infrarenal Abdominal Aorta of Cynomolgus Monkeys. *Arterioscler Thromb Vasc Biol*. 2023 Dec;43(12):2301-2311.
 14. Kukida M, Amioka N, Ye D, Chen H, Moorleghen JJ, Liang CL, Howatt DA, **Katsumata Y**, Yanagita M, Sawada H, Daugherty A, Lu HS. Manipulation of components of the renin angiotensin system in renal proximal tubules fails to alter atherosclerosis in hypercholesterolemic mice. *Front Cardiovasc Med*. 2023 Aug 16;10:1250234.
 15. Gauthreaux K, Kukull WA, Nelson KB, Mock C, Chen YC, Chan KCG, Fardo DW, **Katsumata Y**, Abner EL, Nelson PT. Different cohort, disparate results: Selection bias is a key factor in autopsy cohorts. *Alzheimers Dement*. 2024 Jan;20(1):266-277.
 16. **Katsumata Y**, Fardo DW, Shade LMP; Alzheimer's Disease Genetics Consortium; Nelson PT. LATE-NC risk alleles (in TMEM106B, GRN, and ABCC9 genes) among persons with African ancestry. *J Neuropathol Exp Neurol*. 2023 Aug 21;82(9):760-768.
 17. Ye D, Wu C, Cai L, Howatt DA, Liang CL, **Katsumata Y**, Mullick AE, Temel RE, Danser AHJ, Daugherty A, Lu HS. Antisense oligonucleotides targeting hepatic angiotensinogen reduce atherosclerosis and liver steatosis in hypercholesterolemic mice. *Glob Transl Med*. 2023;2(1):288.
 18. Nelson RS, Abner EL, Jicha GA, Jing D, Wilcock DM, Barber JM, Van Eldik LJ, **Katsumata Y**, Fardo DW, Nelson PT. Neurodegenerative pathologies associated with behavioral and psychological symptoms of dementia in a community-based autopsy cohort. *Acta Neuropathol Commun*. 2023 Jun 2;11(1):89.
 19. Gauthreaux K, Mock C, Teylan MA, Culhane JE, Chen YC, Chan KCG, **Katsumata Y**, Nelson PT, Kukull WA. Symptomatic Profile and Cognitive Performance in Autopsy-Confirmed Limbic-Predominant Age-Related TDP-43 Encephalopathy With Comorbid Alzheimer Disease. *J Neuropathol Exp Neurol*. 2022; 16;81(12):975-987.
 20. **Katsumata Y**, Shade LM, Hohman TJ, Schneider JA, Bennett DA, Farfel JM, Kukull WA, Fardo DW, Nelson PT. Multiple gene variants linked to Alzheimer's-type clinical dementia via GWAS are also associated with non-Alzheimer's

- neuropathologic entities. *Neurobiol Dis.* 2022; 174:105880.
21. Hou T, Chacon AN, Su W, **Katsumata Y**, Guo Z, Gong MC. Role of sympathetic pathway in light-phase time-restricted feeding-induced blood pressure circadian rhythm alteration. *Front Nutr.* 2022 Sep 8;9:969345.
 22. Prokopenko D, Lee S, Hecker J, Mullin K, Morgan S, **Katsumata Y**; Alzheimer's Disease Neuroimaging Initiative (II), Weiner MW, Fardo DW, Laird N, Bertram L, Hide W, Lange C, Tanzi RE. Region-based analysis of rare genomic variants in whole-genome sequencing datasets reveal two novel Alzheimer's disease-associated genes: DTNB and DLG2. *Mol Psychiatry.* 2022 Apr;27(4):1963-1969.
 23. Shade LM, **Katsumata Y**, Hohman TJ, Nho K, Saykin AJ, Mukherjee S, Boehme KL, Kauwe JS, Farrer LA, Schellenberg GD, Haines JL, Mayeux RP, Schneider JA, Nelson PT, Fardo DW. Genome-wide association study of brain arteriolosclerosis. *J Cereb Blood Flow Metab.* 2022 Aug;42(8):1437-1450.
 24. Sawada H, **Katsumata Y**, Higashi H, Zhang C, Li Y, Morgan S, Lee LH, Singh SA, Chen JZ, Franklin MK, Moorleggen JJ, Howatt DA, Rateri DL, Shen YH, LeMaire SA, Aikawa M, Majesky MW, Lu HS, Daugherty A. Second Heart Field-derived Cells Contribute to Angiotensin II-mediated Ascending Aortopathies. *Circulation.* 2022;145(13):987-1001.
 25. Gauthreaux KM, Teylan MA, **Katsumata Y**, Mock C, Culhane JE, Chen YC, Chan KCG, Fardo DW, Dugan AJ, Cykowski MD, Jicha GA, Kukull WA, Nelson PT. Limbic-Predominant Age-Related TDP-43 Encephalopathy: Medical and Pathologic Factors Associated With Comorbid Hippocampal Sclerosis. *Neurology.* 2022; 98(14):e1422-e1433.
 26. Karanth SD, **Katsumata Y**, Nelson PT, Fardo DW, McDowell JK, Schmitt FA, Kryscio RJ, Browning SR, Braithwaite D, Arnold SM, Abner EL. Cancer diagnosis is associated with a lower burden of dementia and less Alzheimer's-type neuropathology. *Brain.* 2022 Jul 29;145(7):2518-2527.
 27. Gal J, **Katsumata Y**, Zhu H, Srinivasan S, Chen J, Johnson LA, Wang WX, Golden LR, Wilcock DM, Jicha GA, Cykowski MD, Nelson PT. Apolipoprotein E proteinopathy is a major dementia-associated pathologic biomarker in individuals with or without the APOE epsilon 4 allele. *Am J Pathol.* 2022 Mar;192(3):564-578.
 28. Dugan AJ, Nelson PT, **Katsumata Y**, Shade LMP, Teylan MA, Boehme KL, Mukherjee S, Kauwe JSK, Hohman TJ, Schneider JA, Fardo DW; Alzheimer's Disease Genetics Consortium. Association between WWOX/MAF variants and dementia-related neuropathologic endophenotypes. *Neurobiol Aging.* 2022 Mar;111:95-106.
 29. Teylan MA, Mock CM, Gauthreaux K, Culhane JE, Jicha G, Chen Y, Chan KCG, Kukull WA, Nelson PT, **Katsumata Y**. Differences in Symptomatic Presentation and Cognitive Performance Among Participants With LATE-NC Compared to FTLD-TDP. *J Neuropathol Exp Neurol.* 2021 Nov 19;80(11):1024-1032.
 30. Dugan AJ, Nelson PT, **Katsumata Y**, Shade LMP, Boehme KL, Teylan MA, Cykowski MD, Mukherjee S, Kauwe JSK, Hohman TJ, Schneider JA; Alzheimer's Disease Genetics Consortium, Fardo DW. 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 Neuropathol Commun.* 2021 Sep 15;9(1):152.
 31. Kukida M, Cai L, Ye D, Sawada H, **Katsumata Y**, Franklin MK, Hecker PI, Campbell KS, Danser AHJ, Mullick AE, Daugherty A, Temel RE, Lu HS. Renal Angiotensinogen Is Predominantly Liver Derived in Nonhuman Primates. *Arterioscler Thromb Vasc Biol.* 2021 Nov;41(11):2851-2853.
 32. Chen JZ, Sawada H, Ye D, **Katsumata Y**, Kukida M, Ohno-Urabe S, Moorleggen JJ, Franklin MK, Howatt DA, Sheppard MB, Mullick AE, Lu HS, Daugherty A. Deletion

- of AT1a (Angiotensin II Type 1a) Receptor or Inhibition of Angiotensinogen Synthesis Attenuates Thoracic Aortopathies in Fibrillin1 C1041G/+ Mice. *Arterioscler Thromb Vasc Biol.* 2021 Oct;41(10):2538-2550.
33. Shaw BC, **Katsumata Y**, Simpson JF, Fardo DW, Estus S. Analysis of Genetic Variants Associated with Levels of Immune Modulating Proteins for Impact on Alzheimer's Disease Risk Reveal a Potential Role for SIGLEC14. *Genes* 2021;12(7):1008.
 34. Karanth SD, Schmitt FA, Nelson PT, **Katsumata Y**, Kryscio RJ, Fardo DW, Harp JP, Abner EL. Four Common Late-Life Cognitive Trajectories Patterns Associate with Replicable Underlying Neuropathologies. *J Alzheimers Dis.* 2021;82(2):647-659.
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