

## **Yuriko Katsumata**

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Department of Biostatistics, College of Public Health, University of Kentucky  
725 Rose Street, Lexington, KY 40536-0082  
Lab Phone: 859-257-6913  
Email: katsumata.yuriko@uky.edu

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### **EDUCATION**

*Ph.D. Epidemiology and Biostatistics* *August 2013 – December 2017*

Epidemiology and Biostatistics, College of Public Health,  
University of Kentucky, KY, USA

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.

*Ph.D. Social Medicine* *April 2000 – September 2005*

Hokkaido University Graduate School of Medicine, Hokkaido, Japan

Dissertation: “Gender differences in the contributions of risk factors to depressive symptoms among the elderly persons dwelling in a community, Japan”

*M.S. Physics* *April 1995 – March 1997*

Kanazawa University Graduate School of Science, Ishikawa, Japan

*B.S. Physics* *April 1991 – March 1995*

Kanazawa University, Ishikawa, Japan

### **WORK EXPERIENCE**

*Research Assistant Professor* *January 2018 – present*

Department of Biostatistics, College of Public Health,  
University of Kentucky, KY, USA

*Graduate Research Assistant of Dr. David W. Fardo* *September 2013 – December 2017*

Department of Biostatistics, College of Public Health,  
University of Kentucky, KY, USA

*Research Scholar* *September 2011 – August 2013*

Layton Aging and Alzheimer's Disease Center,  
Oregon Health and Science University, OR, USA

*Assistant Professor*

*June 2011 – September 2011*

Center of Residency and Fellowship Program, University Hospital, Faculty of Medicine,  
University of the Ryukyus, Okinawa, Japan

*Assistant Professor*

*June 2006 – June 2011*

Department of Public Health and Hygiene, Graduate School of Medicine,  
University of the Ryukyus, Okinawa, Japan

*Visiting Researcher*

*October 2005 – June 2006*

Research Center for Zoonosis Control,  
Hokkaido University, Hokkaido, Japan

*Research Assistant of Dr. Hiko Tamashiro*

*April 2001 – March 2004*

Department of Health for Senior Citizens, Graduate School of Medicine,  
Hokkaido University, Hokkaido, Japan

*Researcher in environmental assessment*

*February 1999 – February 2000*

Eco Research, Inc., Tochigi, Japan

*Japan Overseas Cooperation Volunteers (JOCV)*

*April 1997 – July 1998*

Japan International Cooperation Agency (JICA),

Japan affiliated to Ministry of Foreign Affairs of Japan, Tabora, Tanzania

## **TEACHING EXPERIENCE**

*Student assistant*

*January 2016 – May 2017*

University of Kentucky, KY, USA

- Introduction to Statistical Genetics (Spring 2016 and Spring 2017)
- Applied Statistical Genetics (Fall 2016)

*Guest lecturer*

*May 21 and 28, 2015*

Open Courses for Graduate Students, Hokkaido University, Hokkaido, Japan

- Society and Health II, Epidemiology I

*Faculty Instructor*

*June 2006 – June 2011*

University of the Ryukyus, Okinawa, Japan

- Elementary Statistical Analysis using Microsoft Excel and SAS
- Introduction to Epidemiology
- Health for Older People
- Japanese Social Security

*Teaching assistant*

*April 2000 – March 2001*

Hokkaido University, Hokkaido, Japan

- Public Health

## **MENTORING EXPERIENCE**

Silvia Parvez, University of the Ryukyus, Okinawa, Japan (April 2008 – March 2009)

## **INVITED TALKS**

*2019 Fall ADC Meeting -REC Junior Investigator Session* 10/11/2019

Hyatt Regency St. Louis at The Arch, St. Louis, MO

*REC Junior Investigator Session*

- Limbic-predominant age-related TDP-43 encephalopathy neuropathologic changes (LATE-NC), Alzheimer's disease neuropathologic changes (ADNC), and FTLT-DTP: associated clinical symptoms

*ENAR 2018 Spring Meeting* 3/27/2018

Hyatt Regency Atlanta on Peachtree Street, Atlanta, GA

Statistical Approaches for Handling Important Challenges Facing Current Aging Research session

- Translating Alzheimer's Disease Risk Polymorphisms into Functional Candidates

*The 15th Hiroshima Young Cardiologist Seminar* 6/18/2010

University of Hiroshima, Hiroshima, Japan

- Introduction to Generalized Estimating Equations

## **RESEARCH GRANT**

*CPH-pilot --- Katsumata (PI)* 12/1/2019 – 6/30/2020

Causal effects of type 2 diabetes mellitus on Alzheimer's disease

Role: PI

*ADC-pilot --- Katsumata (PI)* 7/1/2019 – 6/30/2020

UK-ADC (P30AG028383)

Developing a new statistical tool to examine the associations between rare variants and LOAD-related ordinal phenotype

Role: PI

*R56AG 057191 --- Fardo (PI)* 5/15/2019 – 2/28/2021

NIH (NIA)

“Genomic Architecture of a Key Alzheimer's Disease Mimic: CARTS”

Role: Co-I

*R21AG061551 --- Nelson (PI)* 4/15/2019 – 1/31/2021  
NIH (NIA)  
“Novel Misfolded Proteins in ADRD: Proteomics, Genetics, and Clinical-Pathological Correlations”  
Role: Co-I

*R01AG057187 --- Nelson (PI)* 7/15/2017 – 3/31/2022  
NIH (NIA)  
“Novel Pathogenetic Mechanism for Hippocampal Sclerosis, a Common Alzheimers Mimic”  
Role: Co-I

*K25AG043546 – Fardo (PI)* 8/15/2013 – 3/31/2017  
NIH (NIA)  
“Statistical Genetics Methods for Mixed Pathologies”  
Role: Graduate Research Assistant

*Grant-in-Aid for Scientific Research (C) – Inoue (PI)* 4/1/2010 – 3/31/2012  
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

*Grant-in-Aid for Scientific Research (B) – Todoriki (PI)* 4/1/2009 – 3/31/2012  
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

*Grant-in-Aid for Young Scientists (B) – Katsumata (PI)* 4/1/2008 – 3/31/2010  
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

*Grant-in-Aid for Scientific Research (C) – Aoki (PI)* 4/1/2008 – 3/31/2010  
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)* 4/1/2007 – 3/31/2008

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)*

*4/1/2006 –3/31/2008*

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

## **CONFERENCE PRESENTATIONS**

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 presented 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 presented 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 presented 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 presented 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, Higashiuesato 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, Higashiuesato 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, Higashiuesato 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. Katsumata Y, Fardo DW, Bachstetter AD, Artiushin SC, Wang WX, Wei A, Brzezinski I, Nelson BG, Huang Q, Abner EL, Anderson S, Patel I, Shaw BC, Price DA, Niedowicz DM, Wilcock DW, Jicha GA, Neltner JH, Van Eldik LJ, Estus S, Nelson PT. Alzheimer Disease Pathology-Associated Polymorphism in a Complex Variable Number of Tandem Repeat Region Within the *MUC6* Gene, Near the *AP2A2* Gene. *Journal of Neuropathology & Experimental Neurology*. 2019 (in press)
2. Inoue T, Arima H, Katsumata Y, Iseki C, Kinjo K, Iseki K. Development of electrocardiographic left ventricular hypertrophy and resting heart rate over time: findings from the OGHMA study. *Angiology*. 2019 (in press)
3. Nelson PT, Dickson DW, Trojanowski JQ, Jack Jr. CR, Boyle PA, Arfanakis K, Rademakers R, Alafuzoff I, Attems J, Brayne C, Coyle-Gilchrist ITS, Chui HC, Fardo DW, Flanagan ME, Halliday G, Hokkanen SRK, Hunter S, Jicha GA, Katsumata Y, Kawas CH, Keene CD, Kovacs GG, Kukull WA, Levey AI, Makkinejad N, Montine TJ, Murayama S, Murray ME,

- Nag S, Rissman RA, Seeley WW, Sperling RA, White III CL, Yu L, Schneider JA. Limbic-predominant Age-related TDP-43 Encephalopathy (LATE): Consensus Working Group Report. *Brain*. 2019; 142: 1503-1527.
4. Estus S, Shaw BC, Devanney N, Katsumata Y, Press EE, Fardo DW. Evaluation of CD33 as a genetic risk factor for Alzheimer's disease. *Acta Neuropathol*. 2019; 138: 187-199.
  5. Katsumata Y, Nelson PT, Estus S, Alzheimer's Disease Neuroimaging Initiative, Fardo DW. Translating Alzheimer's disease-associated polymorphisms into functional candidates: a survey of IGAP genes and SNPs. *Neurobiology of Aging*. 2019; 74: 135-146.
  6. Ozaki T, Katsumata Y, Arai A. Association of changes in the use of psychotropic drugs with behavioural and psychological symptoms of dementia over a year among long-term care facility residents. *Psychogeriatrics*. 2019; 19: 126-134.
  7. Katsumata Y, Fardo DW, Kukull WA, Nelson PT. Dichotomous scoring of TDP-43 proteinopathy from specific brain regions in 27 academic research centers: associations with Alzheimer's disease and cerebrovascular disease pathologies. *Acta Neuropathologica Communications*. 2018; 6: 142.
  8. Gusareva ES, Twizere JC, Slegers K, Dourlen P, Abisambra JF, Meier S, Cloyd R, Weiss B7, Dermaut B, Bessonov K, van der Lee SJ, Carrasquillo MM, Katsumata Y, Cherkaoui M, Asselbergh B, Ikram MA, Mayeux R, Farrer LA, Haines JL, Pericak-Vance MA, Schellenberg GD; Genetic and Environmental Risk in Alzheimer's Disease 1 consortium (GERAD1); Alzheimer's Disease Genetics Consortium (ADGC); European Alzheimer Disease Initiative Investigators (EADI1 Consortium), Sims R, Williams J, Amouyel P, van Duijn CM, Ertekin-Taner N, Van Broeckhoven C, Dequiedt F, Fardo DW, Lambert JC, Van Steen K. Male-specific epistasis between WWC1 and TLN2 genes is associated with Alzheimer's disease. *Neurobiology of Aging*. 2018; 72:188.e3-188.e12.
  9. Silbert LC, Lahna D, Promjunyakul N, Boespflug E, Ohya Y, Higashiuesato Y, Nishihira J, Katsumata Y, Tokashiki T, Dodge H. Risk factors associated with cortical thickness and white matter hyperintensities in dementia free Okinawan Elderly. *Journal of Alzheimer's Disease*. 2018; 63: 365-372.
  10. Gal J, Chen J, Katsumata Y, Fardo DW, Wang WX, Artiushin S, Price D, Anderson S, Patel E, Zhu H, Nelson PT. Detergent insoluble proteins and inclusion body-like structures immunoreactive for PRKDC/DNA-PK/DNA-PKcs, FTL, NNT, and AIFM1 in the amygdala of cognitively impaired elderly persons. *Journal of Neuropathology and Experimental Neurology*. 2018; 77: 21-39.
  11. Marottoli FM, Katsumata Y, Koster KP, Thomas R, Fardo DW, Tai LM. Peripheral inflammation, *APOE4* and amyloid-beta interact to induce cognitive and cerebrovascular



- dysfunction. *ASN Neuro*. 2017; 9: 1759091417719201.
12. Fardo DW, Katsumata Y, Kauwe JS, Deming Y, Harari O, Cruchaga C; Alzheimer's Disease Neuroimaging Initiative., Nelson PT. CSF protein changes associated with hippocampal sclerosis risk gene variants highlight impact of *GRN/PGRN*. *Experimental Gerontology*. 2017; 90: 83-89.
  13. Katsumata Y, Nelson PT, Ellingson SR, Fardo DW. Gene-based association study of genes linked to hippocampal sclerosis of aging neuropathology: *GRN*, *TMEM106B*, *ABCC9*, and *KCNMB2*. *Neurobiology of Aging*. 2017; 53: 193.e17-193.e25.
  14. Ozaki T, Katsumata Y, Arai A. The use of psychotropic drugs for behavioral and psychological symptoms of dementia among residents in long-term care facilities in Japan. *Aging & Mental Health*. 2017; 21: 1248-1255.
  15. Arai A, Ozaki T, Katsumata Y. Behavioral and psychological symptoms of dementia in older residents in Long-Term Care facilities in Japan: A cross-sectional study. *Aging & Mental Health*. 2017; 21: 1099-1105.
  16. Ighodaro ET, Abner EL, Fardo DW, Lin AL, Katsumata Y, Schmitt FA, Kryscio RJ, Jicha GA, Neltner JH, Monsell SE, Kukull WA, Moser DK, Appiah F, Bachstetter AD, Van Eldik LJ; Alzheimer's Disease Neuroimaging Initiative (ADNI), Nelson PT. Risk factors and global cognitive status related to brain arteriolosclerosis in elderly individuals. *Journal of Cerebral Blood Flow & Metabolism*. 2017; 37: 201-216.
  17. Katsumata Y, Fardo DW. On Combining Family- and Population-based Sequencing Data. *BMC Proceedings*. 2016; 10 (Suppl 7): 175-179.
  18. Nelson PT, Katsumata Y, Nho K, Artiushin SC, Jicha GA, Wang WX, Abner EL, Saykin AJ, Kukull WA; Alzheimer's Disease Neuroimaging Initiative (ADNI), Fardo DW. Genomics and CSF analyses implicate thyroid hormone in hippocampal sclerosis of aging. *Acta Neuropathologica*. 2016; 132: 841-858.
  19. Webber KH, Casey EM, Mayes L, Katsumata Y, Mellin L. A comparison of a behavioral weight loss program to a stress management program: A pilot randomized controlled trial. *Nutrition*. 2016; 32: 904-909.
  20. Allen GI, Amoroso N, Anghel C, Balagurusamy V, Bare CJ, Beaton D, Bellotti R, Bennett DA, Boehme KL, Boutros PC, Caberlotto L, Caloian C, Campbell F, Chaibub Neto E, Chang YC, Chen B, Chen CY, Chien TY, Clark T, Das S, Davatzikos C, Deng J, Dillenberger D, Dobson RJ, Dong Q, Doshi J, Duma D, Errico R, Erus G, Everett E, Fardo DW, Friend SH, Fröhlich H, Gan J, St George-Hyslop P, Ghosh SS, Glaab E, Green RC, Guan Y, Hong MY, Huang C, Hwang J, Ibrahim J, Inglese P, Iyappan A, Jiang Q, Katsumata Y, Kauwe JS, Klein A, Kong D, Krause R, Lalonde E, Lauria M, Lee E, Lin X, Liu Z, Livingstone J, Logsdon

- BA, Lovestone S, Ma TW, Malhotra A, Mangravite LM, Maxwell TJ, Merrill E, Nagorski J, Namasivayam A, Narayan M, Naz M, Newhouse SJ, Norman TC, Nurtdinov RN, Oyang YJ, Pawitan Y, Peng S, Peters MA, Piccolo SR, Praveen P, Priami C, Sabelnykova VY, Senger P, Shen X, Simmons A, Sotiras A, Stolovitzky G, Tangaro S, Tateo A, Tung YA, Tustison NJ, Varol E, Vradenburg G, Weiner MW, Xiao G, Xie L, Xie Y, Xu J, Yang H, Zhan X, Zhou Y, Zhu F, Zhu H, Zhu S; Alzheimer's Disease Neuroimaging Initiative. Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. *Alzheimer's & Dementia*. 2016; 12: 645-653.
21. Aono J, Ikeda S, Katsumata Y, Higashi H, Ohshima K, Ishibashi K, Matsuoka H, Watanabe K, Hamada M. Correlation between plaque vulnerability of aorta and coronary artery: an evaluation of plaque activity by direct visualization with angioscopy. *International Journal of Cardiovascular Imaging*. 2015; 31: 1107-1114.
  22. 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 in an Alzheimer's Disease Center cohort. *Dementia and Geriatric Cognitive Disorders*. 2015; 39: 215-227.
  23. Dodge HH, Katsumata Y, Zhu J, Mattek N, Bowman M, Gregor M, Wild K, Kaye JA. Characteristics associated with willingness to participate in a randomized controlled behavioral clinical trial using home-based personal computers and a webcam. *Trials*. 2014; 23: 508.
  24. Downer B, Estus S, Katsumata Y, Fardo DW. Longitudinal trajectories of cholesterol from midlife through late life according to apolipoprotein E allele status. *International Journal of Environmental Research and Public Health*. 2014; 11: 10663-10693.
  25. Obayashi Y, Arai A, Liu Y, Katsumata Y, Kono K, Uchida H, Masaki M, Aoki M, Takahashi A, Yamada T, Kamei C, Sugiura S, Kaeriyama M, Tamahisro H. A survey on awareness of the Nitobe College among the first-year students of Hokkaido University, 2013. *Journal of Higher Education and Lifelong Learning*. 2014; 21: 61-68.
  26. Katsumata Y, Todoriki H, Higashiuesato Y, Yasura S, Ohya Y, Craig Willcox D, Dodge HH. Very old adults with better memory function have higher low-density lipoprotein cholesterol levels and lower triglyceride to high-density lipoprotein cholesterol ratios: KOCO project. *Journal of Alzheimer's Disease*. 2013; 34: 273-279.
  27. Katsumata Y, Todoriki H, Higashiuesato Y, Yasura S, Craig Willcox D, Ohya Y, Willcox BJ, Dodge HH. Metabolic syndrome and cognitive decline among the oldest old in Okinawa: In search of a mechanism. The KOCO project. *Journals of Gerontology Series A-Biological Sciences and Medical Sciences*. 2012; 67: 126-134.

28. Katsumata Y, Arai A, Ishida K, Tomimori M, Lee RB, Tamashiro H. Which categories of social and lifestyle activities moderate the association between negative life events and depressive symptoms among community-dwelling older adults in Japan? *International Psychogeriatrics*. 2012; 24: 307-315.
29. Katsumata Y, Todoriki H, Yasura S, Dodge HH. Timed up and go test predicts cognitive decline among healthy adults aged 80 and older in Okinawa: KOCOA project. *Journal of the American Geriatrics Society*. 2011; 59: 2188-2189.
30. Katsumata Y, Arai A, Tomimori M, Ishida K, Lee RB, Tamashiro H. Fear of falling and falls self-efficacy and their relationship to higher-level competence among community-dwelling senior men and women in Japan. *Geriatrics and Gerontology International*. 2011; 11: 282-289.
31. Dodge HH, Katsumata Y, Todoriki H, Yasura S, Willcox DC, Bowman GL, Willcox B, Leonard S, Clemons A, Oken BS, Kaye JA, Traber MG. Comparisons of plasma/serum micronutrients between Okinawan and Oregonian Elderly: A Pilot Project. *Journals of Gerontology Series A-Biological Sciences and Medical Sciences*. 2010; 65: 1060-1067.
32. Arai A, Ishida K, Tomimori M, Katsumata Y, Grove JS, Tamashiro H. Association between lifestyle activity and depressed mood among home-dwelling older people: A community-based study in Japan. *Aging & Mental Health*. 2007; 1: 547-555.
33. Zheng KC, Todoriki H, Katsumata Y, Gao WM, Keohavong P. Analysis of p53 and K-ras mutations in patients with chronic bronchitis using laser capture microdissection microscope and mutation detection. *Ningen Dock*. 2007; 21: 66-68.
34. Katsumata Y, Arai A, Tamashiro H. Contribution of falling and being homebound status to subsequent functional changes among the Japanese elderly living in a community. *Archives of Gerontology and Geriatrics*. 2007; 45: 9-18
35. Katsumata Y, Arai A, Tamashiro H. Nonlinear association of higher-level functional capacity with the incidence of falls in Japan. *American Journal of Physical Medicine and Rehabilitation*. 2006; 85: 688-693.
36. Katsumata Y, Arai A, Ishida K, Tomimori M, Denda K, Tamashiro H. Gender differences in the contributions of the risk factors to depressive symptoms among the elderly persons dwelling in a community, Japan. *International Journal of Geriatric Psychiatry*. 2005; 20: 1084-1089.
37. Arai A, Katsumata Y, Konno K, Tamashiro H. Sociodemographic Factors associated with Incidence of Dementia in Senior Citizens of a Small Town in Japan. *Care Management Journals*. 2004; 5: 159-165.
38. Konno K, Katsumata Y, Arai A, Tamashiro H. Functional status and active life expectancy

- among senior citizens in a small town in Japan. *Archives of Gerontology and Geriatrics*. 2004; 38: 153-166.
39. Katsumata Y, Arai A, Konno K, Tamashiro H. Difference in terminology for referencing aging between generations. *Journal of Public Health Practice*. 2004; 68: 578-582 (in Japanese).
  40. Tamashiro H, Katsumata Y, Arai A, Konno K, Nakazawa H, Usami K, Rambelli R. Past, present, and future HIV/AIDS. *Japanese Journal of Urological Surgery*. 2003; 67: 637-641 (in Japanese).
  41. Arai A, Katsumata Y, Konno K, Tamashiro H. Status quo in barrier-free environment for wheelchair users in Sapporo. *Journal of Public Health Practice*. 2003; 67: 637-641 (in Japanese).
  42. Arai A, Katsumata Y, Konno K, Ohta K, Ohtomo K, Kimura S, Takahashi M, Dobata T, Machida K. From a view of the wheelchair users--a training report of the students on barrier-free environment in Sapporo. *Hokkaido Journal of Medical Science*. 2002; 77: 107-110 (in Japanese).
  43. Katsumata Y, Arai A, Kishi R, Tamashiro H. The latest information of the schools of public health in USA: with reference to a proposed school of public health in Japan at the 21st century. *Japanese Journal of Public Health*. 2001; 48: 298-303 (in Japanese).
  44. Kagohashi T, Takarada T, Hasegawa H, Katsumata Y, Kuga M, Okamoto H, Kaneko H, Ishihara Y. Electrical resistivity and thermoelectric power of a quasi-one-dimensional Nb<sub>3</sub>Te<sub>4</sub> single crystal inserted with mercury: Hg<sub>x</sub>Nb<sub>3</sub>Te<sub>4</sub>. *Journal of Physics: Condensed Matter*. 1999; 11: 6373-6384.