

CURRICULUM VITAE

Chenkai Wu, PhD, MPH, MS

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Global Health Research Center
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EDUCATION

- 2015 - 2017 **Ph.D. in Public Health with a concentration in Epidemiology**, Oregon State University. Advisor: Michelle C. Odden, Ph.D.
Dissertation: *Exploring the Validity and Genetic Basis of Frailty*.
- 2013 - 2015 **M.P.H. with a concentration in Biostatistics**, Oregon State University.
Advisor: Adam J. Branscum, Ph.D.
- 2011 - 2014 **M.S. in Human Development & Family Sciences (HDFS)**, Oregon State University. Advisor: Robert S. Stawski, Ph.D.
Thesis: *The Association of Retirement Age and Mortality: A Population-Based Longitudinal Study among Older Adults in the United States*.
- 2007 - 2011 **B.S. in Psychology**, Zhejiang University, China.

PROFESSIONAL EXPERIENCE

- 2018 - Present **Assistant Professor**, Global Health Center, Duke Kunshan University
- 2017 - 2018 **Assistant Professor of Epidemiology**, New York Medical College
- 2012 - 2015 **Instructor**, CPHHS, Oregon State University.
- 2014 **Research Trainee**, City of Hope Comprehensive Cancer Center.

PEER-REVIEWED PUBLICATIONS

- Wu C**, Kim DH, Xue QL, Lee DSH, Varadham R, Odden MC. The Association of Frailty with Recovery from Disability among Newly Disabled Older Adults. *Journal of Gerontology: Medical Sciences*. [Epub ahead of print]
- Wu C**, Dong BR, Newman AB, Odden MC. An Index of Healthy Aging among Chinese Older Adults: China Health and Retirement Longitudinal Study. *Journal of the American Geriatrics Society*. [Epub ahead of print]

- Wu C**, Geldhof GJ, Xue QL, Kim DH, Newman AB, Odden MC. Development, Construct Validity, and Predictive Validity of a Continuous Frailty Scale: Results from Two Large U.S. Cohorts. *American Journal of Epidemiology*. [Epub ahead of print]
- Wu C**, Peralta CA, Odden MC. Reply to: Systolic Blood Pressure and Mortality: Role of Reverse Causation. *Journal of the American Geriatrics Society*. 2018;66:206-207.
- Wu C**, Ashing-Giwa KT, Jones, VC, Barcelo L. The Association of Neighborhood Context with Health Outcomes among Ethnic Minority Breast Cancer Survivors. *Journal of Behavioral Medicine*. 2018;41:52-61.
- Wu C**, Smit E, Xue QL, Odden MC. Prevalence and Correlates of Frailty among Community-Dwelling Chinese Older Adults: The China Health and Retirement Longitudinal Study. *Journal of Gerontology: Medical Sciences*. 2017;73:102-108.
- Wu C**, Smit E, Sanders JL, Newman AB, Odden MC. A Modified Healthy Aging Index and Its Association with Mortality among U.S. Older Adults: The National Health and Nutrition Examination Survey, 1999-2002. *Journal of Gerontology: Medical Sciences*. 2017;72:1437-1444.
- Wu C**, Smit E, Peralta CA, Sarathy H, Odden MC. Functional Status Modifies the Association of Blood Pressure with Death in Elders: Health and Retirement Study. *Journal of the American Geriatrics Society*. 2017;65:1482-1489.
- Wu C**, Shlipak MG, Stawski RS, Peralta CA, Psaty BM, Harris TB, Satterfield S, Shiroma EJ, Newman AB, Odden MC. Visit-to-Visit Blood Pressure Variability and Mortality and Cardiovascular Outcomes among Older Adults: The Health, Aging, and Body Composition Study. *American Journal of Hypertension*. 2017;30:151-158.
- Odden MC, **Wu C**, Shlipak MG, Psaty BM, Katz R, Applegate WB, Harris T, Newman AB, Peralta CA. Blood Pressure Trajectory, Gait Speed, and Outcomes: The Health, Aging, and Body Composition Study. *Journal of Gerontology: Medical Sciences*. 2016;71:1688-1694.
- Wu C**, Odden MC, Fisher GG, Stawski RS. Association of Retirement Age with Mortality: A Population-Based Longitudinal Study among Older Adults in the USA. *Journal of Epidemiology and Community Health*. 2016;70:917-923.
- Duggan EC, Piccinin AM, Clouston Sean, Koval AV, Robitaille A, Zammit AR, **Wu C**, Brown CL, Lee LO, Finkel D, Graham RB, Terrera GM, Katz M, Lipton RB, Deeg D, Bennett DA, Björk MP, Johansson B, Spiro A, Weuve J, Hofer SM. A Multi-Study Coordinated Meta-Analysis of Pulmonary Function and Cognition in Aging. *Journal of Gerontology: Medical Sciences*. [Under Review]
- Zammit AR, Piccinin, AM, Koval A, Couston S, Robitaille A, Brown CL, Handshul P, **Wu C**, Jarry V, Finkel F, Graham RB, Muniz-Terrera G, Praetorius BM, Bennett D, Deeg DJ, Johansson B, Katz M, Kaye J, Lipton RB, Martin M, Payette H, Pederson N, Spiro III A, Zimprich D, Hofer, SM. A Coordinated Multi-Study Analysis of the Longitudinal

Association between Grip Strength and Cognitive Function in Older Adults. *Journal of Gerontology: Medical Sciences*. [Under Review]

Nguyen QD, **Wu C**, Odden MC, Kim DH. Are All Fail the Same? A Multimorbidity-Based Latent Class Analysis Investigating the Heterogeneity of Frailty in the National Health and Aging Trends Study. *Journal of Gerontology: Medical Sciences*. [Major Revision]

WORK IN PROGRESS

Wu C, Bae H, Odden MC, Murabito JM, Kiel DP & collaborators of CHARGE aging and longevity working group. Genome-Wide Association Study of Frailty among Older Adults in the CHARGE Consortium.

Hazzouri AZ, Caunca M, Odden MC, **Wu C**, Launer LJ, Yaffe K. Associations of Variability in Low and High Density Lipoprotein over 20 Years with Markers of Brain Integrity and Cognitive Function among Middle-Aged Adults: The CARDIA Study.

Rogers, KA, Ebbeck V, Geldhof GJ, **Wu C**. Development and Validation of a Measure Assessing Physical Activity Shame.

Rogers KA, Ebbeck V, Geldhof GJ, **Wu C**. Examining the Associations among Physical Activity Shame, Self-Compassion, Shame-Coping Strategies, and Physical Activity Behavior.

BOOK CHAPTERS

Stawski RS, Meghann FL, **Wu C**, Fisher GG. Military Service and Changes in Memory Performance during Later Life. In Long-term Outcomes of Military Service: Perspectives on Health and Well-being. October 2017.

GRANTS

Title: Achieving Health SDGs in China: Developing Evidence-Based Policy Options for Action
Agency: The Bill & Melinda Gates Foundation
Grant Number: OOP1148464
PI: Shenglan Tang (Duke University)
Total Amount: \$924,434
Dates: September 2016 - September 2018
Role: Consultant at 1% effort

SELECTED MEDIA REPORTS

Helaina Hovitz (February, 2018). When It's Healthier Not to Retire. *Forbes*.

<https://www.forbes.com/sites/nextavenue/2018/02/18/when-its-healthier-not-to-retire/#7646f45b4a32>

Torres, N, **Wu C**. Defend Your Research: You are Likely to Live Longer if You Retire after 65. *Harvard Business Review*. 2016;10:28-29.

Solan, M (July, 2017). Elevated Blood Pressure May not Predict Early Death in Those with Weak Grip Strength. *Harvard Men's Health Watch*.

<https://www.health.harvard.edu/blood-pressure/elevated-blood-pressure-may-not-predict-early-death-in-those-with-weak-grip-strength>

Lukits, A (May 2, 2016). Retiring After 65 May Help People Live Longer. *The Wall Street Journal*. <https://www.wsj.com/articles/retiring-after-65-may-help-people-live-longer-1462202016>

Dillner, L (May 2, 2016). Does Early Retirement Mean an Early Death? *The Guardian*.

<https://www.theguardian.com/lifeandstyle/2016/may/02/early-earlier-retirement-retire-death-risk-data-research-jobs>

Neighmoor, P (May 9, 2016). Working Past Retirement Benefits Your Health, Study

Says. *National Public Radio*. <http://www.npr.org/2016/05/09/477301458/working-longer-benefits-your-health-as-well-as-your-nest-egg-study-says>

ORAL PRESENTATIONS

Wu C. Achieving Healthy China 2030 and Health Sustainable Development Goals (SDGs) in China, Project Dissemination Workshop, Beijing, May 2018.

Wu C. The Role of Frailty in Clinical Practice among Older Adults. Center for Long-Term Care Seminar, School of Health Sciences and Practice, New York Medical College, March 2018.

Wu C. Validity and Utility of a Continuous Frailty Score. Cardiovascular Health Study Steering Committee Meeting, Chicago, IL, 2017.

Wu C. Frailty: An Emerging Global Health Priority, Duke Kunshan University, Kunshan, China, 2017.

Wu C. Epidemiology of Frailty in China. Chinese Congress on Gerontology and Health Industry, Suzhou, China, 2017.

Wu C, Stawski RS. The Association of Retirement Age with Mortality: The Health and Retirement Study. Integrative Analysis of Longitudinal Studies of Aging (IALSA) Collaborator Meeting. Gothenburg, Sweden, 2015.

Wu C, Stawski RS, Odden MC, Fisher GG. The Relationship between Retirement Timing and Mortality: A Population-Based Longitudinal Study among Older Adults in the United States.

Gerontological Society of America, Orlando, FL, 2015.

Stawski RS, Fisher GG, **Wu C**. Life Events during Adulthood and Aging: Disentangling Occurrence as a Function of Age, Cohort, and Period. Nordic Congress of Gerontology, Gothenburg, Sweden, 2014.

Stawski RS, Fisher GG, **Wu C**. Prevalence and Tenure of Military Service among Older Adults: Findings from the Health and Retirement Study (HRS). Gerontological Society of America, Washington, DC, 2014.

Stawski RS, Fisher GG, Geldhof GJ, **Wu C**. The Impact of Life Events and Education on Longitudinal Changes in Depressive Symptomatology in Adulthood and Old Age. Gerontological Society of America, Washington, DC, 2014.

POSTER PRESENTATIONS

Wu C, Kim DH, Qian-Li Xue, Odden MC. Association of Frailty with Recovery from Disability among Community-Dwelling Older Adults. International Conference on Frailty & Sarcopenia Research, Miami, FL, 2018.

Wu C, Kim DH, Lee DSH, Odden MC. The Association of Frailty with Recovery from Disability among Newly Disabled Older Adults. 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, 2017.

Wu C, Smit E, Xue QL, Odden MC. Prevalence and Correlates of Frailty among Chinese Elders: China Health and Retirement Longitudinal Study. 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, 2017.

Nguyen QD, Odden MC, **Wu C**, Kim DH. Multimorbidity Patterns Provide Added Prognostic Information Beyond Frailty Status in Older Adults. 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, 2017.

Hazzouri AZ, Kaup AR, **Wu C**, Odden MC, Launer LJ, Yaffe K. Variability in Low- and High-Density Lipoprotein over 20 Years and Structural Brain Changes in Middle-Aged Adults: The CARDIA Study. Alzheimer's Association of International Conference, London, England, 2017.

Wu C, Smit E, Xue QL, Odden MC. Prevalence and Correlates of Frailty among Chinese Elders: China Health and Retirement Longitudinal Study. Society for Epidemiologic Research 50th Annual Meeting. Seattle, WA, 2017.

Wu C, Smit E, Sanders JL, Newman AB, Odden MC. An Index of Healthy Aging with Mortality among U.S. Older Adults: The National Health and Nutrition Examination Survey. Gerontological Society of America, New Orleans, LA, 2016.

Wu C, Odden MC, Ramsey SA, Bae H. GWAS of Frailty in Older Caucasians and African Americans: The Health and Retirement Study. The American Society of Human Genetics

Meeting, Vancouver, BC, 2016.

Wu C, Peralta CA, Odden MC. Grip Strength Modifies the Association of Systolic and Diastolic Blood Pressure with Mortality: The Health and Retirement Study. Epidemiology Congress of the Americas, Miami, FL, 2016.

Wu C, Newman AB, Psaty BM, Stawski RS, Shlipak MG, Peralta CA, Odden MC. The Association of Long-term Blood Pressure Variability with Mortality in Older Adults: The Health ABC Study. Gerontological Society of America, Orlando, FL, 2015.

Piccinin AM, Brown CL, Robitaille AG, Koval AV, Zammit AR, Handschuh P, **Wu C**, Finkel D, Lee L, Clouston S, Muniz-Terrera G, Hofer SM. Multivariate Change in Physical and Cognitive Functioning: Associations in Nine IALSA-Affiliated Longitudinal Studies. Gerontological Society of America, Orlando, FL, 2015.

Odden MC., **Wu C**, Shlipak MG., Harris TB, Applegate WB, Psaty BM, Newman AB, Peralta CA. Walking Speed Modifies the Association between Diastolic Blood Pressure and Outcomes: The Health, Aging, and Body Composition Study. Society for Epidemiologic Research, Seattle, WA 2014.

Wu C, Ashing-Giwa KT, Barcelo L, Serrano M. The Effect of Neighborhood Context on Physical and Mental Health among Ethnic Minority Breast Cancer Survivors. American Association for Cancer Research: The Science of Cancer Health Disparities, San Antonio, TX, 2014.

TEACHING EXPERIENCE

Instructor, Department of Epidemiology & Community Health, New York Medical College:

Spring 2018	EPIM 6012: Advanced Epidemiology I	14 students
Spring 2018	EPIM 6024: SAS Application to Epidemiological Studies	11 students
Fall 2017	EPIM 5002: Introduction to Epidemiology	25 students

Instructor, College of Public Health and Human Sciences, Oregon State University:

Spring 2015	HDFS 532: Research Methods in HDFS III	10 students
Winter 2015	HDFS 531: Research Methods in HDFS II	12 students
Fall 2014	H 524: Introduction to Biostatistics	80 students
Winter 2014	HDFS 531: Research Methods in HDFS II	13 students
Fall 2013	H 524: Introduction to Biostatistics	78 students
Fall 2013	HDFS 361: Applied Research Methods	17 students
Spring 2013	HDFS 532: Research Methods in HDFS III	15 students
Winter 2013	HDFS 531: Research Methods in HDFS II	20 students
Fall 2012	HDFS 530: Research Methods in HDFS I	39 students
Fall 2012	HDFS 361: Applied Research Methods	19 students

Guest Lecturer, College of Public Health and Human Sciences, Oregon State University:

2016, 2017	H 612: Doctoral Seminar in Public Health: Research and Practice
2016	H 699: Advanced Epidemiologic Methods

HONORS & AWARDS

2016	Schad Fellowship
2015	Oregon Retired Educators Scholarship
2013	Fang, Cynthia Memorial Scholarship
2012	Fang, Cynthia Memorial Scholarship
2011	Milam Clark Fellowship

UNIVERSITY SERVICE

2014 - 2018	Graduate Student Mentor Ph.D. student in Kinesiology, Kim A. Rogers
2016	Student Evaluation Committee
2013 - 2016	Graduate Student Statistical and Research Methods Consultant Ph.D. student in Health Promotion and Health Behavior, Alma Torres Ph.D. student in Health Management and Policy, Azaher A. Molla Ph.D. student in Design and Human Environment, Tsun-Yin Tung Ph.D. student in Human Development, Claudia Recksiedler MPH student in Health Promotion and Health Behavior, Jessica Johnson MPH student in Biostatistics, Yin Zhao MPH student in Epidemiology, Jing Li MS student in Human Development & Family Studies, Staci Ebadirad

PROFESSIONAL ACTIVITIES & SERVICE

Journal Reviewer	
Journal of Gerontology: Medical Sciences	2017 - Present
Journal of the American Geriatrics Society	2017 - Present
The American Journal of Medicine	2018 - Present
BMJ Open	2017 - Present
European Journal of Ageing	2017 - Present
Journal of Population Ageing	2018 - Present
Clinical Interventions in Aging	2018 - Present
Journal of Clinical Hypertension	2018 - Present
Abstract Reviewer	
Gerontological Society of America	2015-2018
Society for Epidemiologic Research	2018
IAGG World Congress of Gerontology & Geriatrics	2017

PROFESSIONAL MEMBERSHIPS

2015 - Present Gerontological Society of America
2016 - 2018 Society for Epidemiologic Research
2016 - 2017 American Society of Human Genetics

PROFESSIONAL REFERENCES

Michelle C. Odden, PhD, Associate Professor of Epidemiology
Oregon State University
School of Biological and Population Health Sciences
141B Milam Hall, Corvallis, OR, 97331
541-737-3184 Michelle.Odden@oregonstate.edu

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Graduate School of Public Health
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412-624-3056 newmana@edc.pitt.edu

Qian-Li Xue, PhD, Associate Professor of Medicine
Johns Hopkins University
Division of Geriatric Medicine and Gerontology, School of Medicine
2024 E. Monument Street, Suite 2-722, Baltimore, MD, 21205
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Dae H. Kim, MD, MPH, ScD, Assistant Professor of Medicine
Harvard Medical School, Harvard University
110 Francis Street, Suite 1A, Boston, MA, 02215
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Ellen Smit, PhD, RD, Professor of Epidemiology
Oregon State University
School of Biological and Population Health Sciences
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