

# CURRICULUM VITAE

Chenkai Wu, Ph.D. M.P.H.

## EDUCATION

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- 2017      Ph.D. in Public Health, Oregon State University.  
Dissertation: Exploring the Validity and Genetic Basis of Frailty.  
Advisor: Dr. Michelle C. Odden
- 2015      M.P.H. in Biostatistics, Oregon State University.  
Advisor: Dr. Adam J. Branscum
- 2014      M.S. in Human Development & Family Sciences, Oregon State University.  
Advisor: Dr. Robert S. Stawski
- 2011      B.S. in Psychology, Zhejiang University, China.

## ACADEMIC APPOINTMENTS

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- 2018-present      Assistant Professor of Global Health, Duke Kunshan University
- 2017-2018      Assistant Professor of Epidemiology, New York Medical College
- 2022-present      Adjunct Assistant Professor of Global Health, Duke Global Health Institute

## ADMINISTRATIVE APPOINTMENTS

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- 2020-2024      Director of Graduate Studies in Global Health, Duke Kunshan University
- 2018-2020      Associate Director of Graduate Studies in Global Health, Duke Kunshan University

## EDITORIAL APPOINTMENTS

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### Editorial Board

- 2024-present      Aging Medicine
- 2023-present      Journal of Gerontology: Biological Sciences
- 2022-present      Journal of the American Geriatrics Society
- 2021-present      Journal of Gerontology: Medical Sciences
- 2021-present      BMC Geriatrics
- 2019-present      BMC Health Services Research

## RESEARCH INTERESTS

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My interdisciplinary research focuses on improving health among older adults with a focus on three areas. First, I am interested in the assessment and epidemiology of frailty—a geriatric syndrome marked by reduced reserve and heightened vulnerability to stressors. Second, my research extends to the epidemiology and prevention of sarcopenia, a disease characterized by the progressive loss of skeletal muscle mass, strength, and function. Third, I am committed to promoting healthy aging by refining measurement tools and identifying novel biological, social, and environmental markers.

## REFEREED JOURNAL ARTICLES

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\* Students/Trainees at the time of the work; # Corresponding/Senior Author

1. Chen S\*, Hanewald K, Si Y, Bateman H, Li B, Xu X, Samtani S, **Wu C**, Brodaty H. Social Environment, Lifestyle, and Genetic Predisposition with Dementia Risk: A Long-term Longitudinal Study among Older Adults. *Journal of Gerontology: Medical Sciences*. [In press]
2. **Wu C**. Commentary: Is the Polysocial Score Approach Valuable for Advancing Social Determinants of Health Research? *American Journal of Epidemiology*. [In press]
3. GBD 2021 Causes of Death Collaborators (including **Wu C**). Global Burden of 288 Causes of Death and Life Expectancy Decomposition in 204 Countries and Territories and 811 Subnational Locations, 1990-2021: A Systematic Analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024. S0140-6736(24)00367-2.
4. GBD 2021 Diseases and Injuries Collaborators (including **Wu C**). Global Incidence, Prevalence, Years Lived with Disability (YLDs), Disability-adjusted Life-years (DALYs), and Healthy Life Expectancy (HALE) for 371 Diseases and Injuries in 204 Countries and Territories and 811 Subnational Locations, 1990-2021: A Systematic Analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024. S0140-6736(24)00757-8.
5. 上海市老年学学会老年医学与老年保健专业委员会专家组. 老年人衰弱筛查与干预中西医结合专家共识. *老年医学与保健*. 2024;30:1-5.
6. Liu X, Axelsson GT, Newman AB, **Wu C**, Arnold AM, Boudreau RM, Psaty BM, Gardin JM, Asutin TR, Aspelaud T, Siggeirsdottir K, Tracy RP, Gerszten RE, Launer LJ, Jennings LL, Gudnason V, Sanders JL, Odden MC. Plasma Proteomic Signature of Longevity. *Aging Cell*. 2024;00:e14136
7. Tang J\*, Ma Y, Hoogendijk EO, Chen J, Yue J, **Wu C**#. Associations between Healthy Lifestyle and Mortality across Different Social Environments: A Study among Adults with Frailty from the UK Biobank. *European Journal of Public Health*. 2024;34;218-224.
8. **Wu C**, Xu Y\*, Tang J\*, Liu H, Xue QL. Joint Association of Physical Frailty and Self-Rated Health with Mortality among Community-Dwelling Older Adults. *Journal of Gerontology: Medical Sciences*. 2024;78:1-8.
9. Chen J\*, Xu W\* (co-first author), Dan L, Tang J, Yue J, **Wu C**#. Associations between Meat Consumption and All-cause and Cause-specific Mortality in Middle-aged and Older Adults with Frailty. *Journal of Nutrition, Health & Aging*. 2024;28:100191.
10. Lin T, Yue J, **Wu C**#. Diagnostic Test Accuracy of Serum Creatinine and Cystatin C-Based Index for Sarcopenia: A Systematic Review and Meta-Analysis. *Age and Ageing*. 2024;53:1-11.
11. Yang G, Cao X, Yu J, Li X, Zhang L, Zhang J, Ma C, Zhang N, Lu Q, **Wu C**, Chen X, Hoogendijk EO, Gill TM, Liu Z. Association of Childhood Adversity with Frailty and the Mediating Role of Unhealthy Lifestyle: A Lifespan Analysis. *American Journal of Geriatric Psychiatry*. 2024;32:71-82.
12. Tang S, **Wu C**, Liu Y. Developing Global Health Education in Chinese Universities: Issues and

- Challenges. *The Lancet Regional Health – Western Pacific*. 2023;41:100940.
13. Yap MC\*, Wu F, Huang X, Tang L, Su K, Tong X, Kwok SC, **Wu C**, S Wang, He Z, Yan LL. Association between Individual Resilience and Depression or Anxiety among General Adult Population during COVID-19: A Systematic Review. *Journal of Public Health*. 2023;45:e639-e655.
  14. Chen S\*, Si Y, Hanewald K, Li B, **Wu C**, Xu X, Bateman H. Association between Multimorbidity and Informal Long-Term Care Use among Older People in China: A Longitudinal Nationwide Cohort Study. *BMJ Open*. 2023;23:700.
  15. Xu L, Li T\* (co-first author), He W, Cao D, **Wu C**<sup>#</sup>, Qin L<sup>#</sup>. Prevalence of Sufficient Physical Activity among General Adult Population and Sub-Populations with Chronic Conditions or Disability in the U.S. *European Journal of Public Health*. 2023;33:891-896.
  16. Huang L\*, Shu X, Gao L, Xu P, Zhang Y, Ge Ning, Yue J, **Wu C**<sup>#</sup>. Screening Instruments for Sarcopenia: A Systematic Review and Meta-Analysis of Diagnostic Test Accuracy Studies. *Age and Ageing*. 2023;52:1-11.
  17. Guan Z\*, Ma L, **Wu C**<sup>#</sup>. Association between Serum Klotho and Physical Frailty in Middle-Aged and Older Adults: Finding from the National Health and Nutrition Examination Survey. *Journal of the American Medical Directors Association*. 2023;24:1173-1178.
  18. Zhang S\*, Zhang K\*, Chen Y\*, **Wu C**<sup>#</sup>. Prognostic Models of All-Cause Mortality Prediction for Older Adults in Nursing Home Setting: A Systematic Review and Meta-Analysis. *Health Science Reports*. 2023;6:e1309.
  19. Zhao J\*, Liang R, Song Q, Song S, Yue J, **Wu C**<sup>#</sup>. Investigating Association between Gut Microbiota and Sarcopenia-Related Traits: A Mendelian Randomization Study. *Precision Clinical Medicine*. 2023;6:pbad010.
  20. **Wu C**. Commentary: Embracing Complexity: New Horizons in Frailty Research. *The Lancet Regional Health – Western Pacific*. 2023;34:100791.
  21. **Wu C**, Yan LL, Long Q, Liu Y, Tan J\*, Lou Z\*, Tang S. Trends in Global Health Research among Universities in China: A Bibliometric Analysis. *BMC Global Health Research and Policy*. 2023;8:1-10.
  22. Tang J\*, Chen Y, Liu H, **Wu C**<sup>#</sup>. Exploring Racial and Ethnic Differences in Disability among Older Adults: A Polysocial Score Approach. *Maturitas*. 2023;172:1-8.
  23. Tang J\*, Sheng C\* (co-first author), Wu YY, Yan LL, **Wu C**<sup>#</sup>. Association of Joint Genetic and Social Environmental Risk with Incident Myocardial Infarction: Results from the Health and Retirement Study. *Journal of the American Heart Association*. 2023;12:e028200.
  24. Jin HY\*, Su Y, Ping YJ\*, Pickersgill S, Chen X, Liu X, Watkins D, Liu H, **Wu C**<sup>#</sup>. Tracking Long-Term Care Cost for Home and Community-based Services in China from 2005 to 2050: Retrospective and Prospective Measures. *Journal of the American Medical Directors Association*. 2023;24:228-234.
  25. Tan J\*, Ma C\*, Zhu C, Wang Y, Zou X, Li H, Li J, He Y, **Wu C**<sup>#</sup>. Prediction Models for Depression Risk among Older Adults: Systematic Review and Critical Appraisal. *Ageing Research Reviews*. 2023;83:101803.

26. He L, Zheng Z, Li X, Cao X, Zhang J, Chen C, Lv Y, **Wu C**, Barry LC, Ying Z, Jiang X, Shi X, Liu Z. Association of Spouse's Health Status with the Onset of Depressive Symptoms in Partner: Evidence from the China Health and Retirement Longitudinal Study. *Journal of Affective Disorders*. 2023;325:177-184.
27. Zhang J\*, Wang J, Liu H, **Wu C**<sup>#</sup>. Association of Dementia Comorbidities with Caregivers' Physical, Psychological, Social, and Financial Burden. *BMC Geriatrics*. 2023;23:1-10.
28. Zhang K\*, Lovasi GS, Odden MC, Michael YL, Newman AB, Arnold AM, Kim DH, **Wu C**<sup>#</sup>. Association of Retail Environment and Neighborhood Socioeconomic Status with Mortality among Community-dwelling Older Adults in the US. *Journal of Gerontology: Medical Sciences*. 2022;77:2240-2247.
29. Ren Z, Sun W, Ying J, Liu W, Fan L, Zhao Y, **Wu C**, Song P. Status and Transition of Normal-Weight Central Obesity and the Risk of Cardiovascular Diseases: A Population-Based Cohort Study in China. *Nutrition, Metabolism and Cardiovascular Diseases*. 2022;32:2794-2802.
30. Chen S\*, Si Y, Hanewald K, Li B, Bateman H, Dai X, **Wu C**, Tang S. Age-Related Disease Burdens, Disparities, and Health Resource Allocation: A Longitudinal Data Analysis of 31 Provinces in Mainland China. *BMJ Open*. 2022;12:e064641.
31. Liu X, Pan S, Xanthakis V, Ramachandran VS, Newman AB, Sanders JL, Psaty BM, Austin TR, **Wu C**, Tracy RP, Gerszten RE, Odden MC. Plasma Proteomic Signature of Decline in Gait Speed and Grip Strength. *Aging Cell*. 2022;21:e13736.
32. Zhou J\*, Wei MY, Zhang J\*, Liu H, **Wu C**<sup>#</sup>. Association of Multimorbidity Patterns with Incident Disability and Recovery of Independence among Middle-aged and Older Adults. *Age and Ageing*. 2022;51:1-9.
33. **Wu C**, Lin T\*, Sanders JL. A Simplified Approach for Classifying Physical Resilience among Community-Dwelling Older Adults: The Health, Aging, and Body Composition Study. *The Journal of Frailty & Aging*. 2022;11:281-285.
34. Tan J\*, Wang MH, Pei XR, Sun Q, Lu CJ, Wang Y, Zhang L<sup>#</sup>, **Wu C**<sup>#</sup>. Continue or Not to Continue? Attitudes towards Deprescribing among Community-Dwelling Older Adults in China. *BMC Geriatrics*. 2022;22:492.
35. Xia X\*, Wang L, Lin T, Yue J, Yang Z, Mi C, Liao Z, Chen Y, **Wu C**<sup>#</sup>. Barriers to Prescribing Oral Anticoagulants to Inpatients Aged 80 Years and Older with Nonvalvular Atrial Fibrillation: A Cross-Sectional Study. *BMC Geriatrics*. 2022;22:263.
36. Long TX\*, Zhang K, Chen Y, **Wu C**<sup>#</sup>. Trends in Diet Quality among Older US Adults from 2001 to 2018. *JAMA Network Open*. 2022;5:e221880.
37. Jin X\*, Long TX\*, Chen H, Zeng Y, Zhang X, Yan LL<sup>#</sup>, **Wu C**<sup>#</sup>. Associations of Alcohol Dehydrogenase and Aldehyde Dehydrogenase Polymorphism with Cognitive Impairment among the Oldest Old in China. *Frontiers in Aging Neuroscience*. 2022;13:710966.
38. Dai M\*, Yue J, Zhang J, Wang H, **Wu C**<sup>#</sup>. Functional Dentition is a Modifier of the Association between Vitamin D and the Frailty Index among Chinese Older Adults: A Population-Based Longitudinal Study. *BMC Geriatrics*. 2022;22:159.
39. Wang W, Chen J\*, Jin X\*, Ping YJ<sup>#</sup>, **Wu C**<sup>#</sup>. Association between Indoor Ventilation and

- Cognitive Function among Community-Dwelling Older Adults in China: Results from the Chinese Longitudinal Healthy Longevity Survey. *BMC Geriatrics*. 2022;22:106.
40. Hazzouri AZ, Caunca M, Odden MC, **Wu C**, Launer LJ, Yaffe K. Associations of 20-Year Lipid Variability throughout Young Adulthood with Midlife Cognitive Function and Brain Integrity. *Journal of Gerontology: Medical Sciences*. 2022;77:114-121.
  41. Cao X\*, Yang G, Jin X\*, He L, Li X, Zheng Z, Liu Z#, **Wu C**#. A Machine Learning-Based Aging Measure among Middle-Aged and Older Chinese Adults: The China Health and Retirement Longitudinal Study. *Frontiers in Medicine*. 2021;8:698851.
  42. Ping YJ\*, Odden MC, Stawski RS, Magid HSA, **Wu C**#. Creation and Validation of a Polysocial Score for Mortality among Community-Dwelling Older Adults in the US: The Health and Retirement Study. *Age and Ageing*. 2021;50:2214-2221.
  43. GBD 2019 Adolescent Mortality Collaborators (including **Wu C**). Global, Regional, and National Mortality among Young People Aged 10-24 Years, 1950–2019: A Systematic Analysis for the Global Burden of Disease Study 2019. *Lancet*. 2021;398:1593-1618.
  44. GBD 2019 Under-5 Mortality Collaborators (including **Wu C**). Global, Regional, and National Progress towards Sustainable Development Goal 3.2 for Neonatal and Child Health: All-Cause and Cause-Specific Mortality Findings from the Global Burden of Disease Study 2019. *Lancet*. 2021;398:870-905.
  45. Kinyoki D, Osgood-Zimmerman AE, Bhattacharjee NV, Local Burden of Disease Anemia Collaborators (including **Wu C**), Kassebaum NJ, Hay SI. Anemia Prevalence in Women of Reproductive Age in Low- and Middle-Income Countries between 2000 and 2018. *Nature Medicine*. 2021;27:1761-1782.
  46. Bhattacharjee NV, Schaeffer LE, Hay SI, Local Burden of Disease Exclusive Breastfeeding Collaborators (including **Wu C**). Mapping Inequalities in Exclusive Breastfeeding in Low- and Middle-Income Countries, 2000-2018. *Nature Human Behaviour*. 2021;5:1027-1045.
  47. GBD 2019 Collaborator (including **Wu C**). Global Mortality from Dementia: Application of a New Method and Results from the Global Burden of Disease Study 2019. *Alzheimer's & Dementia (New York, N. Y.)*. 2021;7:e12200.
  48. GBD 2019 Dementia Collaborator (including **Wu C**). Use of Multidimensional Item Response Theory Methods for Dementia Prevalence Prediction: An Example Using the Health and Retirement Survey and the Aging, Demographics, and Memory Study. *BMC Medical Informatics and Decision Making*. 2021;21:1-10.
  49. Miller LM, **Wu C**, Hirsch CH, Lopez OL, Cushman M, Odden MC. Cardiovascular Damage Phenotypes and the Association with All-Cause and Cardiovascular Mortality. *Annals of Epidemiology*. 2021;63:35-40.
  50. Zhang T\*, Yan LL, Chen H, Jin HY\*, **Wu C**#. The Association between Allostatic Load and Mortality among Chinese Older Adults: The Chinese Longitudinal Health and Longevity Study. *BMJ Open*. 2021;11:e045369.
  51. Zhao Y\*, Lin T, Hou L, Peng X, Xie D, Gao L, Shu X, Yue J, **Wu C**#. Association between Geriatric Nutritional Risk Index and Frailty in Older Hospitalized Patients. *Clinical Interventions*

- in Aging*. 2021;16:1241-1249.
52. **Wu C**, Zhang K\*, Odden MC, Kucharska-Newton AM, Palta P, Matsushita K, Gottesman RF, Windham BG. Subclinical Vascular Disease Burden and Premature Mortality among Middle-aged Adults: The Atherosclerosis Risk in Communities Study. *Journal of General Internal Medicine*. 2021;36:2048-2054.
  53. Kwete X, Tang K, Chen F, Chen Y, Mao Z, Ren R, Wang Y, Wang Y, **Wu C**, Hao Y, Zhao Y, Zhou X, Liu Y, Yin R, Liang X, Hao C, Guan Y, Huang Y, Ng MTA, Liu P, Berhane Y, Fawzi W, Zheng Z. Research Capacity of Global Health Institutions in China: A Gap Analysis Focusing on Their Collaboration with Other Low- and Middle-Income Countries. *BMJ Global Health*. 2021;6:e005607.
  54. Chen Y\*, Guo M, Xu H, Liu Z, Barry LC, **Wu C**#. Association between Early Life Circumstances and Depressive Symptoms among Chinese Older Adults: Results from China Health and Retirement Longitudinal Study. *Journal of Affective Disorders*. 2021;292:345- 351.
  55. Ma Y\*, He M, Hou L, Xu S, Huang ZX, Zhao N, Kang Y, Yue JR, **Wu C**#. The Role of SARC-F in Predicting Progression Risk of COVID-19 in Elderly Patients: A Prospective Cohort Study in Wuhan. *BMC Geriatrics*. 2021;21:355.
  56. Zhao Y\*, Yue J, Lin T, Peng X, Xie D, Gao L, Shu X, **Wu C**#. Neutrophil-Lymphocyte Ratio as a Predictor of Delirium in Older Hospitalized Patients: A Prospective Cohort Study. *BMC Geriatrics*. 2021;21:334.
  57. Liu Y\*, Li H\*, Wu B, Liu X, Chen H, Jin HY\*, **Wu C**#. Association between Primary Caregiver Type and Mortality among Chinese Older Adults with Disability. *BMC Geriatrics*. 2021;21:268.
  58. Tan AX, Shah SJ, Sanders JL, Psaty BM, **Wu C**, Gardin J, Peralta CA, Newman AB, Odden MC. Association between Myocardial Strain and Frailty in the Cardiovascular Health Study. *Circulation: Cardiovascular Imaging*. 2021;14:e012116.
  59. Häberle A, Biggs ML, Cushman M, Psaty BM, Newman AB, Shlipak MG, Gottdiener J, **Wu C**, Gardin JM, Bansal N, Odden MC. Level and Change in N-terminal Pro B-type Natriuretic Peptide and Kidney Function and Survival to Age 90. *Journal of Gerontology: Medical Sciences*. 2021;76:478-486.
  60. Feigin V, Vos T, Alahdab F, Amit AML, Bärnighausen TW, Beghi E, Beheshti M, Chavan PP, Criqui MH, Desai R, Dharmaratne SD, Dorsey ER, Eagan AW, Elgendy IY, Filip I, Giampaoli S, Giussani G, Hafezi-Nejad N, Hole MK, Ikeda T, Johnson CO, Kalani R, Khatab K, Khubchandani J, Kim D, Koroshetz WJ, Krishnamoorthy V, Krishnamurthi RV, Liu X, Lo WD, Logroscino G, Mensah GA, Miller TR, Mohammed S, Mokdad AH, Moradi-Lakeh M, Morrison SD, Shivamurthy VKN, Naghavi M, Nichols E, Norrving B, Odell CM, Pupillo E, Radfar A, Roth GA, Shafieesabet A, Sheikh A, Sheikhabaehi S, Shin JI, Singh JA, Steiner TJ, Stovner LJ, Wallin MT, Weiss J, **Wu C**, Zunt JR, Adelson JD, Murray CJL. Burden of Neurological Disorders across the US from 1990-2017: A Global Burden of Disease Study. *JAMA Neurology*. 2021;78:165-176.
  61. Zammit AR, Piccinin AM, Duggan EC, Koval A, Clouston S, Robitaille A, Brown CL, Handschuh P, **Wu C**, Jarry V, Finkel D, Graham RB, Muniz-Terrera G, Björk MP, Bennett D, Deeg DJ, Johansson B, Katz MJ, Kaye J, Lipton RB, Martin M, Pederson NL, Spiro A III, Zimprich D, Hofer SM. A Coordinated Multi-Study Analysis of the Longitudinal Association Between Handgrip

- Strength and Cognitive Function in Older Adults. *Journal of Gerontology: Psychological Sciences*. 2021;76:229-241.
62. GBD 2019 Viewpoint Collaborators (including **Wu C**). Five Insights from the Global Burden of Disease Study 2019. *Lancet*. 2020;396:1135-1159.
  63. Jin HY\*, Zhou J, **Wu C**<sup>#</sup>. Prevalence and Health Correlates of Reduced Kidney Function among Community-Dwelling Chinese Older Adults: The China Health and Retirement Longitudinal Study. *BMJ Open*. 2020;10:e042396.
  64. Wang Y\*, Ping Y\*, Jin HY\*, Ge N, **Wu C**<sup>#</sup>. Prevalence and Health Correlates of Anemia Among Community-Dwelling Chinese Older Adults: The China Health and Retirement Longitudinal Study. *BMJ Open*. 2020;10:e038147.
  65. Fang EF, Xie C, Schenkel JA, **Wu C**, Long Q, Cui H, Aman Y, Frank J, Dr. Liao L, Zou H, Wang NY, Wu J, Liu X, Li T, Fang Y, Niu Z, Yang G, Hong J, Wang Q, Chen G, Li J, Chen HZ, Kang L, Su H, Zhu XQ, Jiang H, He N, Tao J, Leng SX, Tong T, Woo J. A Research Agenda for Ageing in China in the 21st Century (2nd Edition): Focusing on Basic and Translational Research, Long-Term Care, Policy and Social Networks. *Ageing Research Review*. 2020;64:101174.
  66. Chen C, Park JY, **Wu C**, Xue QL, Agogo G, Han L, Hoogendijk EO, Liu Z, Wu Z. Cognitive Frailty in Relation to Adverse Health Outcomes Independent of Multimorbidity: Results From the China Health and Retirement Longitudinal Study. *Aging*. 2020;12:23129-23145.
  67. Ma Y\*, Hou L, Yang X, Huang Z, Yang X, Zhao N, He M, Shi Y, Kang Y, Yue JR, **Wu C**<sup>#</sup>. The Association between Frailty and Severe Disease among COVID-19 Patients Aged over 60 Years in China: A Prospective Cohort Study. *BMC Medicine*. 2020;18:274.
  68. Jin HY\*, Liu X, Xue QL, Chen S\*, **Wu C**<sup>#</sup>. The Association between Frailty and Healthcare Expenditure among Community-Dwelling Chinese Older Adults: The China Health and Retirement Longitudinal Study. *Journal of the American Medical Directors Association*. 2020;21:780-785.
  69. **Wu C**, Li YX, Marron MM, Odden MC, Newman AB, Sanders JL. Quantifying and Classifying Physical Resilience among Older Adults: The Health, Aging, and Body Composition Study. *Journal of Gerontology: Medical Sciences*. 2020;75:1960-1966.
  70. Cai Y\*, Cao J, Xu W\*, Liu H, **Wu C**<sup>#</sup>. The Association between Four Gait Speed Assessments and Incident Stroke in Older Adults: The Health, Aging and Body Composition Study. *Journal of Nutrition, Health & Aging*. 2020;24:888-892.
  71. Xu W\*, Cai Y\*, Liu H, Fan L, **Wu C**<sup>#</sup>. Frailty as a Predictor of All-Cause Mortality and Readmission in Elderly Patients with Acute Coronary Syndrome: A Systematic Review and Meta-Analysis. *Central European Journal of Medicine*. 2020;132:301-309.
  72. Zhu A\*, Yan LL, **Wu C**<sup>#</sup>, Ji JS<sup>#</sup>. Residential Greenness and Frailty among Chinese Older Adults: A Longitudinal Cohort in China. *Journal of the American Medical Directors Association*. 2020;21:759-765.
  73. Xu W\*, Li YX\*, Hu Y, **Wu C**<sup>#</sup>. Association of Frailty with Recovery from Disability among Community-Dwelling Chinese Older Adults: China Health and Retirement Longitudinal Study. *BMC Geriatrics*. 2020;20:119.

74. Xu W\*, Chen T, Cai Y\*, Hu Y, Fan L#, **Wu C**#. Sarcopenia in Community-Dwelling Oldest Old is Associated with Disability and Poor Physical Function. *Journal of Nutrition, Health & Aging*. 2020;24:339-345.
75. Li YX\*, Xue QL, Odden MC, Chen X, **Wu C**#. Linking Early Life Risk Factors to Frailty in Old Age: Evidence from the China Health and Retirement Longitudinal Study. *Age and Ageing*. 2020;49:208-217.
76. Xu W\*, Li YX\*, **Wu C**#. Incidence of Frailty among Community-Dwelling Older Adults: A Nationally Representative Profile in China. *BMC Geriatrics*. 2019;19:378.
77. Chen S, Guo L, Wang Z, Mao W, Ge Y, Ying X, Fang J, Long Q, Liu Q, Xiang H, **Wu C**, Fu C, Dong D, Zhang J, Sun J, Tian L, Wang L, Zhou M, Zhang M, Qian M, Liu W, Jiang W, Feng W, Zeng X, Ding X, Lei X, Tolhurst R, Xu L, Wang H, Ziefeweid F, Glenn S, Ji JS, Story M, Yamey G, Tang S. Current Situation and Progress towards the 2030 Health-Related Sustainable Development Goals in China: A Systematic Analysis. *PLOS Medicine*. 2019;16:e1002975.
78. **Wu C**, Hu Y. Commentary: Blood Pressure Management in Older Adults: A Multiple-Choice Question?. *Journal of Clinical Hypertension*. 2019;21:1645-1646.
79. Zhu A\*, **Wu C**, Yan LL, Tang S, Wu CD, Bai C, Shi X, Zeng Yi, Ji JS. Association between Residential Greenness and Cognitive Function: Analysis of the Chinese Longitudinal Healthy Longevity Survey. *BMJ Nutrition, Prevention & Health*. 2019;2:72-79.
80. Xu W\*, Fan L, Wang J, Hu Y#, **Wu C**#. Sleep Duration and the Risk of Dementia: A Systematic Review and Meta-Analysis of Prospective Cohort Studies. *Journal of the American Medical Directors Association*. 2019;20:1480-1487.
81. **Wu C**. Commentary: Impact of New Hypertension Guideline among People Living HIV in Ghana. *Journal of Clinical Hypertension*. 2019;21:851-852.
82. Miller LM, Peralta CA, Fitzpatrick AL, **Wu C**, Psaty BM, Newman AB, Odden MC. The Role of Functional Status on the Relationship between Blood Pressure and Cognitive Decline: The Cardiovascular Health Study. *Journal of Hypertension*. 2019;37:1790-1796.
83. Duggan EC, Piccinin AM, Clouston S, Koval AV, Robitaille A, Zammit AR, **Wu C**, Brown CL, Lee LO, Finkel D, Beasley WH, Kaye J, Muniz-Terrera G, Katz M, Lipton RB, Deeg D, Bennett DA, Praetorius M, Johansson B, Spiro III A, Weuve J, Hofer SM. A Multi-Study Coordinated Meta-Analysis of Pulmonary Function and Cognition in Aging. *Journal of Gerontology: Medical Sciences*. 2019;74:1793-1804.
84. Nguyen QD, **Wu C**, Odden MC, Kim DH. Multimorbidity Patterns, Frailty, and Survival in Community-Dwelling Older Adults. *Journal of Gerontology: Medical Sciences*. 2019;74:1265-1270.
85. **Wu C**, Kim DH, Xue QL, Lee DSH, Varadhan R, Odden MC. The Association of Frailty with Recovery from Disability among Newly Disabled Older Adults. *Journal of Gerontology: Medical Sciences*. 2019;74:575-581.
86. Yu W\*, Jiang J, Xie L, Li B, Luo H, Fu Y, Chen S, **Wu C**, Xiang H, Tang S. Mortality Trend of Colorectal Cancer in China during 2000-2015: A Joint-point Regression and an Age-Period-Cohort Analysis. *Preventing Chronic Disease*. 2018;15:E156.



87. **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*. 2018;187:1752-1762.
88. **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*. 2018;66:1303-1310.
89. **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.
90. **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.
91. **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*. 2018;73:102-108.
92. **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.
93. **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.
94. **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.
95. Odden MC, **Wu C**, Shlipak MG, Psaty BM, Katz R, Applegate WB, Harris TB, 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.
96. **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.

## **PUBLICATIONS UNDER REVIEW**

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\* Students/Trainees at the time of the work; # Corresponding/Senior Author

1. Wang W, Tang J, Xue QL, Wang MH, Liu C, **Wu C**<sup>#</sup>. Role of Polysocial Score in the Association between Blood-Based Biomarkers and Risk of Frailty. *BMC Geriatrics*. [Under Review]
2. Chen L<sup>\*</sup>, Wang X<sup>\*</sup> (co-first author), Lin TZ<sup>\*</sup>, Liu H, Xu S, Yue J, **Wu C**<sup>#</sup>. Development of a DXA-Based Risk Score for Cardiovascular Outcomes Among Older Adults: The Health, Aging, and Body Composition Study. *Scientific Reports*. [Under Review]
3. Zhang S<sup>\*</sup>, Haapanen MJ, Wang M, Xiang H, Xu H, **Wu C**<sup>#</sup>. The Association between Adverse

- Childhood Experiences and Physical Frailty among Middle-Aged and Older Adults in South Africa: Results from the HAALSI Study. *Aging and Health Research*. [Under Review]
4. Li H\*, Lin T\*, Tang J\*, Yue J, **Wu C**#. Exploring the Patterns of Chronic Pain Locations and Their Associations with All-Cause Dementia: Results from UK Biobank. *Journal of the American Medical Directors Association*. [Under Review]
  5. Liu H, Wang M\* (co-first author), Peng X, Yue J, **Wu C**#. Early Life Determinants of Frailty: A Comprehensive Review. *International Journal of Population Studies*. [Under Review]
  6. Jin HY\*, **Wu C**#. Projecting Long-term Care Costs among Older Adults with ADL Disability and Cognitive Impairment in China. *Journal of Gerontology: Medical Sciences*. [Under Review]
  7. Hu K, Guan Z\* (co-first author), He Z, Luo S, Fang H, Zhang Y, Ding L, Xu Y, Jiang L, Fu C, Zhao X, Jia J#, **Wu C**#. Mechanical Features, Efficacy, Safety, and User Experience of an Innovative Wearable Device for Preventing Fall-Induced Injuries. *Innovation in Aging*. [Under Review]
  8. Chen J, Geng J, Xie Y, Gagnon E, Sun Y, Zhu Y, **Wu C**, Ruan X, Zheng J, Gill D, Arsenault BJ, Burgess S, Larsson SC, Yuan S, Li X, Du Z. Deciphering the Interplay between Blood Proteins, Cigarette Smoking, and COPD Risk and Prognosis. *Genome Medicine*. [Under Review]
  9. Xu J\*, Liu J\* (co-first author), Tang J, Liao J, Liu X, Odden MC, **Wu C**#. Plasma Proteomic Signature of Risk and Prognosis of Frailty. *Lancet Healthy Longevity*. [Under Review]
  10. Du M, Deng K, Yin J, **Wu C**, Hu S, Guo L, Luo Z, Tonetti M, Tjakkes GH, Visser A, Ge S, Li A. Mediating Effect of Diet-Related Aging on the Association between Chewing Capacity and Mortality Risk: A Prospective Population-Based Study. *BMC Medicine*. [Under Review]
  11. Dan L, Xie Y, Fu T, Sun Y, Chen X, Wang X, **Wu C**, Chen J, Li X. Increased Risk of Chronic Obstructive Pulmonary Disease and Asthma among Individuals with Inflammatory Bowel Disease in a Prospective Cohort Study. *American Journal of Medicine*. [Under Review]
  12. Zhang S\*, Zhao Z, Liu H, **Wu C**#. The Association between Adverse Childhood Experiences and HIV Test Uptake among Middle-Aged and Older Adults in South Africa.
  13. Zhao J, Liang R, Song Q, Tang T, Song S, Yue J, **Wu C**#. Prevalence and Implications of Frailty and Pain in Parkinson's Disease: Results from Two Global Prospective Cohorts.
  14. GBD 2021 Forecasting Collaborators (including **Wu C**). Burden of Disease Scenarios for 204 Countries and Territories, 2022– 2050: A Forecasting Analysis for the Global Burden of Disease Study.
  15. GBD 2021 Stillbirth Collaborators (including **Wu C**). Global, Regional, and National Stillbirths by Gestational Age for 204 Countries and Territories from 1990 to 2021.
  16. GBD 2021 Stroke Collaborators (including **Wu C**). Global, Regional and National Stroke Burden and Disability-Adjusted Life-Years Lost Attributable to Risk Factors in 204 Countries, 1990-2021: A Systematic Analysis for the Global Burden of Disease Study 2021.
  17. Kuve AS\*, Umar S, Ocholla L, **Wu C**, Kam YW, Wamsiedel M. Exploring Antimicrobial Resistance in Extended- Spectrum B-Lactamase Producing *Klebsiella pneumoniae* Isolates from Chicken in Kunshan, China and Nairobi, Kenya.

## BOOK CHAPTERS

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- Wu C**, Wang M, Peng X, Yue J. (2024 upcoming). Early Determinants of Frailty. In: Gu, D., Dupre, M. (eds) Encyclopedia of Gerontology and Population Aging. Springer.
- Wu C**, Xiang H, Fu C, Lei X, Yu W, Xiao T. (2019). Chapter 6: Non-Communicable Diseases. In Tang S & Ge Y. (Eds.), *Achieving healthy China 2030 goals: an evidence-based study*. (pp. 164-202). Beijing: People's Medical Publishing House. (汤胜蓝, 葛延风主编. 实现“健康中国 2030”目标——基于实证的研究, 第六章慢性病专题[M]. 北京: 人民卫生出版社, 2019.)
- Stawski RS, Meghann FL, **Wu C**, Fisher GG. (2017). Military Service and Changes in Memory Performance during Later Life. In Spiro A, Settersten RA, Aldwin CM. (Eds), *Long-term Outcomes of Military Service: The Health and Well-Being of Aging Veterans*. American Psychological Association.

## GRANTS

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1. Title: Empowering Family Caregiving Research in the Philippines  
Agency: Duke Bass Connections  
Amount: 29,400 USD  
Dates: May 2024 – August 2025  
Role: PI
2. Title: Vaccination Rates and Influencing Factors among Older Adults in Remote China  
Agency: Bill & Melinda Gates Foundation  
Amount: 28,571 USD (200,000 RMB)  
Dates: Dec 2023 – May 2025  
Role: Co-I
3. Title: Innovative Development of Jiangsu Province's Biopharmaceutical Industry Cluster from the Perspective of Leading Enterprise Technological Innovation  
Agency: Jiangsu Provincial Department of Science and Technology  
Amount: 7,143 USD (50,000 RMB)  
Dates: November 2023 – October 2024  
Role: PI
4. Title: Integrating National Causes of Death Data for Collaborative Interdisciplinary Research on Healthy Aging  
Agency: Hou Tu Research Fund  
Amount: 28,571 USD (200,000 RMB)  
Dates: July 2023 – June 2024  
Role: Co-PI (30% effort)
5. Title: Empowering Family Caregiving Research in Low- and Middle-Income Countries in Southeast Asia through a Collaborative, Multidisciplinary Team Approach  
Agency: Duke Kunshan-Duke Faculty Collaborative Scholarship Grant

Amount: 13,571 USD (95,000 RMB)  
Dates: June 2023 – June 2024  
Role: PI

6. Title: Clinical Trial of a Novel Medical Insulin Injection Needle  
Agency: IQVIA  
Amount: 56,786 USD (397,500 RMB)  
Dates: December 2023 – December 2024  
Role: PI
7. Title: The Impact of Polypharmacy on Functional Health among Frail Older Adults  
Agency: Jiangsu Provincial Department of Education  
Grant number: 22KJB320010  
Amount: 4,286 USD (30,000 RMB)  
Dates: July 2022 – June 2024  
Role: PI
8. Title: Analysis of Uneven Progress in Smoking-Free Legislation in China  
Agency: World Health Organization  
Amount: 8,000 USD  
Dates: September 2022 – August 2023  
Role: Faculty Supervisor (PI: Bolu Yang – Master Student at Duke Kunshan University)
9. Title: Patterns and Health Effects of Polypharmacy and Dietary Supplement Use among Chinese Older Adults  
Agency: Duke Kunshan University – Faculty Scholarship and Travel Award  
Amount: 5,714 USD (40,000 RMB)  
Dates: July 2022 – June 2023  
Role: PI
10. Title: Burden of Polypharmacy and Attitude towards De-prescription among Frail Older Adults in China  
Agency: Hou Tu Research Fund  
Amount: 7,143 USD (50,000 RMB)  
Dates: July 2022 – June 2023  
Role: PI
11. Title: Establishment of A Data Platform for Healthy Aging Research  
Agency: Wuhan University & Duke Kunshan University  
Amount: 14,286 USD (100,000 RMB)  
Dates: July 2022 – June 2024  
Role: Co-PI (50% effort)
12. Title: Early Screening for Depression among Community-Dwelling Female Adults  
Agency: Jiangsu Provincial Association for Maternal and Child Health Studies  
Grant number: JSFY202107  
Amount: 2,857 USD (20,000 RMB)

Dates: January 2022 – December 2023

Role: PI

13. Title: The 3<sup>rd</sup> Chinese Vaccinology Training  
Agency: Pfizer  
Amount: 35,714 USD (250,000 RMB)  
Dates: October 2021  
Role: PI
14. Title: Establishment of a Joint Health Research Lab between Duke Kunshan University and Kunshan No.1 People's Hospital  
Agency: Kunshan Government Research Fund  
Amount: 139,343 USD (975,400 RMB)  
Dates: July 2021 – June 2022  
Role: PI
15. Title: Impact of Caregivers on Medication Adherence of People with Dementia in Home Care in Kunshan: from the Perspectives of Caregivers' Knowledge of Dementia, Emotional State and Relationship with Care Recipients  
Agency: Health Humanity Lab, Duke Kunshan University  
Amount: 8,000 RMB (1,143 USD)  
Dates: 2021 – 2022  
Role: Faculty Supervisor (PI: Yunan Mei – Class of 2022 at Duke Kunshan University)
16. Title: Level and Sources of Stress among Young Teachers in High School in China  
Agency: Center of the Study of Contemporary China, Duke Kunshan University  
Amount: 2,000 USD  
Dates: January 2021 – December 2021  
Role: PI
17. Title: Early Detection, Diagnosis, and Multidimensional Intervention of Sarcopenia Agency: Ministry of Science and Technology of China  
Grant Number: YS2019YFC200066  
Amount: 57,143 USD (400,000 RMB)  
Dates: January 2020 – December 2023  
Role: Site PI
18. Title: Development and Planning of Assisted Living Facilities in Shenzhen  
Agency: Shenzhen Hospital Administrator Association  
Amount: 4,286 USD (30,000 RMB)  
Dates: July 2020 – December 2020  
Role: PI
19. Title: Sexual Health among Older Adults in China and the UK: A Multi-Disciplinary Study Agency: National Science Foundation of China & UK Research and Innovation  
Grant Number: 7191101234  
Amount: 357,143 USD (2,500,000 RMB)

Dates: August 2020 – July 2023

Role: Co-I

20. Title: Application of Machine Learning in Calculating Biological Age and Developing Personalized Anti-Aging Interventions  
Agency: Kunshan Government Research Fund  
Amount: 87,429 USD (612,000 RMB)  
Dates: July 2020 – June 2021  
Role: PI
21. Title: Development and Validation of Prediction Model of Frailty Agency: Jiangsu Education Department  
Grant Number: Innovation and Entrepreneurship Talent Program  
Amount: 21,429 USD (150,000 RMB)  
Dates: Jan 2020 – Dec 2022  
Role: PI
22. Title: Applications of AI and Machine Learning in Aging Prediction Modeling Development  
Agency: Kunshan Government Research Fund  
Amount: 107,143 USD (750,000 RMB)  
Dates: July 2019 – June 2020  
Role: PI
23. Title: Early Detection and Management of Frailty among Older Adults Agency: Suzhou Bureau of Science and Technology  
Grant Number: SS2019069  
Amount: 25,714 USD (180,000 RMB)  
Dates: Jan 2020 – Dec 2022  
Role: Co-PI
24. Title: Integration of Functional and Frailty Assessment into Clinical Management of Osteoporosis among Chinese Older Adults  
Agency: Duke Kunshan University  
Amount: 28,571 USD (200,000 RMB)  
Dates: Oct 2019 – Dec 2022  
Role: PI
25. Title: Rehabilitation Professionals (REPs) for Stroke Care in China and India: A Comprehensive Mixed-Methods Evaluation  
Agency: World Heart Federation  
Amount: 25,000 USD  
Dates: January 2019 – January 2020  
Role: Co-PI
26. Title: Predictive Value of Frailty among Older Patients with Stage I Non-Small Cell Lung Cancer Undergoing Minimally Invasive Surgery  
Agency: Bethune Charitable Foundation A

mount: 7,143 USD (50,000 RMB)  
Dates: Oct 2018 – Oct 2020  
Role: Statistical Consultant

27. Title: Achieving Health-related Sustainable Development Goals in China: Developing Evidence-Based Policy Options for Action  
Agency: The Bill & Melinda Gates Foundation  
Grant Number: OOP1148464  
Amount: 924,434 USD  
Dates: September 2016 – September 2018  
Role: Consultant at 1% effort

## CONFERENCE/WORKSHOP ORGANIZER

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- 2023 Does Becoming Frail Mean the End? Social, Lifestyle, and Health Surrogates of Resilience in the Most Vulnerable? Gerontological Society of America, Tampa, FL, USA. *Session Chair.*
- 2023 Frailty and Sarcopenia. International Association of Gerontology & Geriatrics Asia/Oceania Regional Congress. Yokohama, Japan. *Session Chair.*
- 2023 Empowering Aging Research with Publicly Available Data. Beijing Municipal Health Commission Comprehensive Talent Training Seminar. Beijing, China. *Course Designer and Instructor.*
- 2020 Fundamentals of Clinical Research Designs and Data Analysis. Xinhua Hospital, Shanghai, China. *Course Designer and Instructor.*
- 2019 Fundamentals of Clinical Research Designs and Data Analysis. East China Hospital, Shanghai, China. *Course Designer and Instructor.*
- 2019 Data Mining and Research Practice in Aging Cohort Studies. 301 Hospital, Beijing, China. *Course Designer and Instructor.*
- 2019 Alliance of Asian Liberal Arts Universities (AALAU) Research Collaboration Workshop Hong Kong, China. *Instructor.*

## ORAL PRESENTATION

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\* Students/Trainees at the time of the work

- 2024 **Wu C.** Does Becoming Frail Mean the End? Social, Lifestyle, and Health Risk Factors for Death. Frailty Working Group Meeting at Johns Hopkins University.
- 2023 Hou L\*, Dong B, Yue J, **Wu C**, Ge N, Ma Y. The Role of Lifestyles in Ethnic Differences in Cognitive Impairment Among Adults Aged 50 Years or Older. Gerontological Society of America, Tampa, FL, USA.
- 2023 **Wu C.** Can Good Self-Rated Health Mitigate the Frailty-Induced Healthcare Expenditure? Evidence from China. The 21<sup>st</sup> National Conference on Clinical Epidemiology and Evidence-Based Medicine of the Chinese Medical Association. Lanzhou, China.
- 2023 **Wu C.** Is Self-Rated Health a Good Indicator of Resilience among the Frail? International Association of Gerontology & Geriatrics (IAGG) Asia/Oceania Regional Congress 2023, Yokohama, Japan.
- 2023 **Wu C.** Association of Healthy Lifestyle and Social Environment with Mortality among the

- Frail: Findings from the UK Biobank. International Conference on Frailty and Sarcopenia Research, Toulouse, France.
- 2022 **Wu C.** Deciphering Racial and Ethnic Disparities in Dementia and Cognitive Function: A Polysocial Score Approach. Gerontological Society of America, Indianapolis, IN, USA.
- 2022 **Wu C.** Explaining the Racial and Ethnic Differences in ADL Disability Among Older Adults: A Polysocial Score Approach. Gerontological Society of America, Indianapolis, IN, USA.
- 2022 **Wu C.** A Simplified Approach for Classifying Physical Resilience among Older Adults: The Health ABC Study. Gerontological Society of America, Indianapolis, IN, USA.
- 2022 **Wu C.** Creation and Validation of a Polysocial Score for Physical Frailty among Community-Dwelling Older Adults in the US. Gerontological Society of America, Indianapolis, USA.
- 2022 **Wu C.** Frailty: From Measurement to Clinical Implications. 8<sup>th</sup> Annual Meeting of Jiangnan Geriatric Conference, Suzhou, China.
- 2022 **Wu C.** Quantification and Determinants of Healthy Aging and Longevity. The Nordic Centre Biennial Meeting on Global Ageing and Related Healthcare Challenges, Oslo, Norway.
- 2022 **Wu C.** Association of Multimorbidity Patterns with Incident Disability and Recovery of Independence among Middle-Aged and Older Adults. The 7<sup>th</sup> Chinese Geriatrics Congress and the 19<sup>th</sup> National Academic Conference on Geriatrics, Chengdu, China.
- 2022 **Wu C.** Linking Early Life Risk Factors with Frailty in Old Age. The 2022 China Health Policy and Management Society Symposium, Hangzhou, China.
- 2021 **Wu C.** Clinical Implications of Frailty Assessment. Shanghai Municipal Geriatrics Academic Annual Conference, Shanghai, China.
- 2021 **Wu C.** Measurements and Clinical Implications of Biological Age. Annual Meeting of the Cancer Prevention and Screening Special Committee of the Shanghai Anti-Cancer Association, Shanghai, China.
- 2021 **Wu C.** Creation and Validation of a Polysocial Score for Mortality Among Community-Dwelling Older Adults in the United States. Gerontological Society of America, Phoenix, AZ, USA.
- 2021 **Wu C, Chen Y.** Association of Early-Life Family and Neighborhood Circumstances with Depressive Symptoms in Chinese Older Adults. Gerontological Society of America, Phoenix, AZ, USA.
- 2021 **Wu C.** Impact of Social and Built Environment on Healthy Aging: Which Matters More? Xi'an Jiaotong-Liverpool University, Suzhou, China.
- 2021 **Wu C, Tan J, Zhang L.** Continue or Not to Continue? Attitudes towards Deprescription among Community-Dwelling Older Adults in China. The 19<sup>th</sup> National Conference on Clinical Epidemiology and Evidence-Based Medicine of the Chinese Medical Association, Zhengzhou, China.
- 2021 **Wu C.** Clinical Medical Research in Global Health: From a Perspective of Frailty. Kunshan People's No.1 Hospital, Kunshan, China.
- 2021 **Wu C, Jin HY, Su Y, Ping Y, Pickersgill S, Chen X, Liu X, Watkins D.** Tracking Long-Term Care Cost for Home and Community-Based Services in China from 2005 to 2050: Findings from the Chinese Longitudinal Healthy Longevity Surveys. The 2021 China Health Policy and Management Society Symposium, Hangzhou, China.
- 2021 **Wu C, Chen Y.** Association between Early Life Circumstances and Depressive Symptoms among Chinese Older Adults: Results from China Health and Retirement Longitudinal Study. The 2021 China Health Policy and Management Society Symposium, Hangzhou, China.



- 2020 **Wu C.** Development and Validation of a Physical Resilience Measure. 5<sup>th</sup> Annual Duke Aging Center Research and Education Retreat, Durham, NC, USA.
- 2020 Jin X\*, Leng Y, Gong E, Xiong S, Yao Y, Vedanthan R, Chen K, Yan LL, **Wu C.** Neighborhood-Level Public Facilities and COVID-19 Transmission: A Nationwide Geospatial Study in China. International Forum on Health Promotion and Development Forum, Guangzhou, China.
- 2020 **Wu C.** Frailty: From Measurement to Clinical Implications. Sun Yat-sen University, Guangzhou, China.
- 2020 **Wu C.** Projection of Long-Term Care Expenditure in China from 2021 to 2025. Global Webinar on Long-term Care Policy and Its Challenges during the COVID-19 Pandemic.
- 2019 **Wu C.** Frailty Research: From Measurement to Clinical Implications. 1<sup>st</sup> International Frailty Conference, Shanghai, China.
- 2019 **Wu C,** Li HX, Liu X, Chen H. Caregiver Type and Its Association with Mortality among Older Adults with Disability in China. Gerontological Society of America, Austin, TX, USA.
- 2019 Miller L, **Wu C,** Hirsch C, Lopez O, Cushman M, Odden MC. Phenotypes of Cardiovascular Damage and the Relationship with Cognitive Decline: Latent Class Analysis. Gerontological Society of America, Austin, TX, USA.
- 2019 **Wu C,** Li YX, Marron MM, Odden MC, Newman AB, Sanders JL. Development and Validation of a Novel Resilience Measure: A Longitudinal Cohort Study. The Lancet-CAMS Health Summit, Chengdu, China.
- 2019 **Wu C,** Li HX, Wu B. Caregiver Type and Its Association with Mortality among Older Adults with Disability in China. 11<sup>th</sup> Asia/Oceania Congress of Gerontology and Geriatrics, Taipei, China.
- 2019 **Wu C,** Ma L, Zhao M. Development and Validation of Frailty Assessments among Chinese Older Adults in Multiple Settings: Is A Universal Measurement in Sight? International China Conference on Frailty, Beijing, China.
- 2019 **Wu C,** Li HX, Liu X, Chen H. Caregiver Type and Its Association with Mortality among Older Adults with Disability in China. The 3<sup>rd</sup> Belt and Road Initiative Global Health International Congress, Xi'an, China.
- 2019 **Wu C.** The Association between Allostatic Load and Mortality among Chinese Older Adults: The Chinese Longevity and Health Longitudinal Study. The 19<sup>th</sup> National Conference on Clinical Epidemiology and Evidence-Based Medicine of the Chinese Medical Association, Dalian, China.
- 2019 **Wu C.** Development and Validation of the Chinese Healthy Aging Index: The China Health and Retirement Longitudinal Study. The 19<sup>th</sup> National Conference on Clinical Epidemiology and Evidence-Based Medicine of the Chinese Medical Association, Dalian, China.
- 2019 Miller L, **Wu C,** Hirsch C, Lopez O, Cushman M, Odden MC. Phenotypes of Cardiovascular Damage and the Association with Cognitive Decline among Older Adults: A Latent Class Analysis Approach. Alzheimer's Association of International Conference, LA, USA.
- 2019 **Wu C.** Population Aging and Global Health: Challenges and Opportunities. Chinese Consortium of Universities for Global Health (CCUGH), Shanghai, China.
- 2018 **Wu C.** Early Life Risk Factors for Frailty among Community-Dwelling Chinese Older Adults. The 6<sup>th</sup> Chinese Congress on Gerontology and Health Industry, Jinan, China.
- 2018 **Wu C,** Dong BR, Ge N, Xue QL. The Association between Frailty and Recovery of Independence among Disabled Older Adults in China. International Conference on Frailty (China). Shanghai, China.

- 2018 Zhu A\*, **Wu C**, Ji JS. Residential Greenness and Frailty in the Oldest-Old Population in China. International Conference on Frailty (China), Shanghai, China.
- 2018 **Wu C**. Achieving Healthy China 2030 and Health Sustainable Development Goals (SDGs) in China. Project Dissemination Workshop, Beijing, China.
- 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, USA.
- 2017 **Wu C**. Validity and Utility of a Continuous Frailty Score. Cardiovascular Health Study Steering Committee Meeting, Chicago, IL, USA.
- 2017 **Wu C**. Frailty: An Emerging Global Health Priority, Duke Kunshan University, China.
- 2017 **Wu C**. Epidemiology of Frailty in China. 5<sup>th</sup> Chinese Congress on Gerontology and Health Industry, Suzhou, China.
- 2015 **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, USA.
- 2014 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. Gerontological Society of America, Washington, DC, USA.
- 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, USA.

## POSTER PRESENTATION

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\* Students/Trainees at the time of the work

- 2024 Wu D\*, **Wu C**, Zhang L. Transforming Healthcare Information Systems through the Integration of Blockchain. CFC St. Moritz Conference Academic Research Track 2024. St. Moritz, Switzerland.
- 2024 Troy AL, Choy B, Dong H, Gardin JM, Hirsch CH, Mukamal KJ, Newman AB, Odden MC, Shu M, Song Y, **Wu C**, Strom JB. Development and Validation of an Age-Independent Cardiovascular Frailty Index. American College of Cardiology 73<sup>rd</sup> Annual Scientific Session, Atlanta, GA, USA.
- 2024 Zhang S\*, Zhao Z, Liu H, **Wu C**. The Association Between Adverse Childhood Experiences and HIV Test Uptake in South Africa. Conference on Retroviruses and Opportunistic Infections, Denver, CO, USA.
- 2023 Zhang S\*, **Wu C**. The Association between HIV Status and Multimorbidity among Older South African Adults: A Retrospective Cohort Study. Society for Epidemiological Research, Portland, OR, USA.
- 2022 Chen L\*, Wang X\*, **Wu C**. Development and Validation of a Body Composition-based Prediction Model for Cardiovascular Outcomes among Older Adults. American Heart Association, EPI | Lifestyle Scientific Sessions, Chicago, IL, USA.

- 2022 **Wu C.** Can Social Environment Offset the Genetic Risk of Myocardial Infarction Among Older Adults? Gerontological Society of America, Indianapolis, IN, USA.
- 2021 **Wu C**, Tan J\*, Zhang L. Continue or Not to Continue? Attitudes Towards De-prescription among Community-Dwelling Older Adults in China. Gerontological Society of America, Phoenix, AZ, USA,
- 2019 **Wu C**, Li HX, Liu X, Chen H, Wu B. Caregiver Type and Its Association with Mortality among Older Adults with Disability in China. The Lancet-CAMS Health Summit, Chengdu, China.
- 2019 **Wu C.** Development and Validation of a Frailty Assessment among Chinese Older Adults. The 18<sup>th</sup> National Conference on Clinical Epidemiology and Evidence-Based Medicine of the Chinese Medical Association, Dalian, China.
- 2018 Li YX\*, **Wu C.** Early Life Risk Factors for Frailty among Community-Dwelling Chinese Older Adults. Gerontological Society of America, Boston, MA, USA.
- 2018 **Wu C**, Newman AB, Dong BR, Odden MC. Index of Healthy Aging among Chinese Older Adults: China Health and Retirement Longitudinal Study. Gerontological Society of America, Boston, MA, USA.
- 2018 Miller L, Peralta C, Fitzpatrick A, **Wu C**, Psaty BM, Newman AB. The Role of Functional Status on the Relationship between Blood Pressure and Cognitive Decline. Gerontological Society of America, Boston, MA, USA.
- 2018 Rogers KA\*, Ebbeck V, Geldhof GJ, **Wu C.** Examining the Associations Among Physical Activity Shame, Self-Compassion, Shame-Coping Styles, and Physical Activity Behavior. North American Federation of Adapted Physical Activity Conference, Corvallis, OR, USA.
- 2018 Rawlings AM, Hazzouri AZ, Newman AB, Arnold AM, Psaty BM, Biggs ML, **Wu C**, Miller LM, Lopez O, Mukamal KJ, Odden MC. Assessing Misclassification in Records and Proxy Interviews to Categorize Dementia in the Cardiovascular Health Study (CHS): A Probabilistic Bias Analysis. Society for Epidemiologic Research 51<sup>st</sup> Annual Meeting, Baltimore, MA, USA.
- 2018 **Wu C**, Kim DH, Xue QL, Odden MC. Association of Frailty with Recovery from Disability among Community-Dwelling Older Adults. International Conference on Frailty & Sarcopenia Research, Miami, FL, USA.
- 2017 **Wu C**, Kim DH, Lee DSH, Odden MC. The Association of Frailty with Recovery from Disability among Newly Disabled Older Adults. 21<sup>st</sup> IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, USA.
- 2017 **Wu C**, Smit E, Xue QL, Odden MC. Prevalence and Correlates of Frailty among Chinese Elders: China Health and Retirement Longitudinal Study. 21<sup>st</sup> IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, USA.
- 2017 Nguyen QD, Odden MC, **Wu C**, Kim DH. Multimorbidity Patterns Provide Added Prognostic Information Beyond Frailty Status in Older Adults. 21<sup>st</sup> IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, USA.
- 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: CARDIA Study. Alzheimer's Association of International Conference, London, UK.
- 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 50<sup>th</sup> Annual Meeting. Seattle, WA, USA.
- 2016 **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, USA.
- 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, Canada.
- 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, USA.
- 2015 **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, USA.
- 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, USA.
- 2014 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, USA.
- 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, USA.

## SELECTED MEDIA EXPOSURE

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- 2023 MSD, Media Academy Project. 健康老龄化：生理、认知和心理健康的促进和维护 (Healthy Aging: Promotion and Maintenance of Physiological, Cognitive, and Psychological Health).
- 2022 *Medical Xpress*. Diet quality decreased for US seniors from 2001 to 2018. <https://medicalxpress.com/news/2022-03-diet-quality-decreased-seniors.html>
- 2022 *MedPage Today*. America's Seniors Eating Junkier Diets. <https://www.medpagetoday.com/primarycare/dietnutrition/97624>
- 2022 如何通过打造“老年友好型”社会来提升老年人功能发挥？(How can we enhance the functional performance of the elderly through the creation of an ‘elderly-friendly’ society?) <https://new.qq.com/rain/a/20220824A01S7600.html>
- 2022 2035 年左右中国将进入重度老龄化社会，该如何应对阿尔兹海默症？(How should we deal with Alzheimer's disease as China is becoming a super-aged society in 2035?) <https://www.163.com/dy/article/HHQKVO2605199NPP.html>
- 2022 *澎湃新闻*: 困在时间里|喝酒脸红，注意认知症患者风险 (Trapped in Time: Blushing While Drinking, Pay Attention to the Risk of Cognitive Impairment) [https://www.thepaper.cn/newsDetail\\_forward\\_19984701](https://www.thepaper.cn/newsDetail_forward_19984701)
- 2020 *Life Times 生命时报*: 贫血困扰很多老年人 (Anemia troubles many older adults) [https://www.thepaper.cn/newsDetail\\_forward\\_10117026](https://www.thepaper.cn/newsDetail_forward_10117026)
- 2019 *Sohu 搜狐*: 你对衰弱症了解多少？研究揭示三大早期经历将影响老年患病率 (How much do you know about frailty? Research reveals three major early experiences that will affect the disease rates among older adults)

- 2019 [https://www.sohu.com/a/362977784\\_663437](https://www.sohu.com/a/362977784_663437)  
*Sohu 搜狐*: 研究发现: 睡眠过多竟会增加老人痴呆症患病风险近八成 (Excessive sleep can increase the risk of dementia in the elderly by nearly 80%)
- 2018 <https://www.forbes.com/sites/nextavenue/2018/02/18/when-its-healthier-not-to-retire/#7646f45b4a32>  
*Forbes*. When It's Healthier Not to Retire.
- 2017 <https://www.health.harvard.edu/blood-pressure/elevated-blood-pressure-may-not-predict-early-death-in-those-with-weak-grip-strength>  
*Harvard Men's Health Watch*. Elevated Blood Pressure May Not Predict Early Death in Those with Weak Grip Strength.
- 2016 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.
- 2016 <https://www.wsj.com/articles/retiring-after-65-may-help-people-live-longer-1462202016>  
*The Wall Street Journal*. Retiring After 65 May Help People Live Longer.
- 2016 <https://www.theguardian.com/lifeandstyle/2016/may/02/early-earlier-retirement-retire-death-risk-data-research-jobs>  
*The Guardian*. Does Early Retirement Mean an Early Death?
- 2016 <http://www.npr.org/2016/05/09/477301458/working-longer-benefits-your-health-as-well-as-your-nest-egg-study-says>  
*National Public Radio*. Working Past Retirement Benefits Your Health, Study Says.

## TEACHING EXPERIENCE

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### Instructor, Duke Kunshan University, Master of Science in Global Health Program:

S 2024	Biostatistics & Epidemiology for Global Health II	25 students
F 2023	Biostatistics & Epidemiology for Global Health I	28 students
S 2023	Biostatistics & Epidemiology for Global Health II	20 students
F 2022	Biostatistics & Epidemiology for Global Health I	21 students
S 2022	Biostatistics & Epidemiology for Global Health II	13 students
F 2021	Biostatistics & Epidemiology for Global Health I	13 students
F 2021	Global Health Fieldwork Research	13 students
S 2020	Biostatistics & Epidemiology for Global Health II	10 students
F 2019	Biostatistics & Epidemiology for Global Health I	10 students
S 2019	Biostatistics & Epidemiology for Global Health II	5 students
F 2018	Biostatistics & Epidemiology for Global Health I	5 students

### Instructor, Duke Kunshan University, Undergraduate Program:

S 2022	Global Health Research Methods	9 students
S 2022	Mini-Term: Big Health Data	8 students
S 2021	Global Health Research Methods	20 students
F 2020 S2	Introduction to Global Health	32 students
F 2020 S1	Introduction to Global Health	21 students
S 2020	Introduction to Global Health	32 students
S 2019	Data + X	15 students
F 2019	Introduction to Data Science	Guest lecture

F 2019	Global Health Challenges	Guest lecture
F 2018	Global Health Challenges	Guest lecture

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

S 2018	Advanced Epidemiology I	14 students
S 2018	SAS Application to Epidemiological Studies	11 students
F 2017	Introduction to Epidemiology	25 students

**Instructor**, Oregon State University, College of Health:

S 2015	Quantitative Research Methods III	10 students
W 2015	Quantitative Research Methods II	12 students
F 2014	Introduction to Biostatistics	80 students
W 2014	Quantitative Research Methods II	13 students
F 2013	Introduction to Biostatistics	78 students
F 2013	Applied Research Methods	17 students
S 2013	Quantitative Research Methods III	15 students
W 2013	Quantitative Research Methods II	20 students
F 2012	Quantitative Research Methods I	39 students
F 2012	Applied Research Methods	19 students

## STUDENT MENTORING

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**Chair**, Thesis Committee, Master of Science in Global Health (eligible since 2022):

2024	Haolin Li	Exploring the Patterns of Chronic Pain Locations and Their Associations with All-Cause Dementia
2024	Xinwen Hu	Associations between Family Function, Social Support and Sarcopenia among Chinese Community-Dwelling Older Adults
2024	Chenwenyu Li	Investigating the Association between Sarcopenia and Depression among Older Adults in Suzhou, China
2024	Lingyuan Gao	Modifiable Risk Factors for Dementia by Frailty: Application of Population Intervention Effects
2024	Ziyu Fu	Assessing the Hierarchical Medical System for Mental Health Management among Older Adults: a Mixed Method Study
2024	Yang Chen	Implementation of Public Health Services and its Influencing Factors in Community Health Centers in Kunshan, Jiangsu
2023	Yi Wang	Innovation and Development of Biomedical Industry Clusters in Jiangsu: A Technological Perspective on Leading Enterprises
2023	Yuhan Wang	Investigation of Mental Health Service in Middle Schools in China: Evidence from a Middle School in Beijing
2023	Shengjie Zhu	Association between Home Modification and Falls Among Older Adults: The Health and Retirement Study
2023	Moxuan Yang	Oral Health among Children and Adolescents with Disabilities in One Welfare School in Chengdu from 2018 to 2019

**Co-Chair**, Thesis Committee, Master of Science in Global Health:

2021	Darci Davis	Association Between Diet Quality and Metabolic Syndrome in US Adolescents Aged 12 to 18 Years
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2021	Yongjing Ping	Creation and Validation of a Polysocial Score for Mortality among Community-Dwelling Older Adults in the US
2020	Vivian Olabamiji	Association between Maternal Knowledge of Malaria Prevention Methods and Malaria Parasitemia among Children under Five Years in Malawi
2019	Yunfan Ge	The Association between Body Mass Index and Mortality among the Oldest Old in China

**Member,** Thesis Committee, Master of Science in Global Health:

2024	Hongran Ding	Disruption of Cellular Gene Expression by Perfluorooctanoic Acid and Its Novel Substitute Perfluoro (2-Methyl-3-Oxahexanoic) Acid in Vitro
2024	Aiwei Zhang	Exploring the Association between Migration on Cognitive Function among Middle-aged and Older Adults in China
2024	Kayla Jackson	Choice and Change: Understanding Cambodian Women's Decision-Making Processes for Childbirth Modes
2024	Yuxuan Wang	Psychological Disposition, Health-related Mediators, and Longevity among Chinese Older Adults
2024	Jingyu Fu	From the Perspective of therapists: Perceptions and Expectations to Technology Used for Non- Pharmacological Therapy for People with Mild Cognitive Impairment and Dementia
2024	Chengyu Cui	Aging and Mental Health in Two Chinese Communities: The Impact of Urbanization
2023	Sophia Kuve	Exploring Antimicrobial Resistance in Extended Spectrum Beta-Lactamase Producing Klebsiella pneumoniae Isolates from Chicken in Kunshan, China and Nairobi, Kenya
2023	Jie Liu	Health Insurance and Farm Labor Supply: Evidence from China's Urban and Rural Residents' Basic Medical Insurance Reform
2023	Xin Yu	Arthritis and Physical Activity among Adults in the United States: Cross-sectional Analyses of the NHANES
2023	Sihui Zhou	Patient Awareness, Involvement, and Learning Needs in Health Technology Assessment: Results of an International Survey
2023	Chenxinan Ma	Relationship between Obesity, Elevated Depressive Symptoms, and Physical Functioning among United Methodist Clergy
2023	Ziyu Qiao	The Willingness to Adopt a More Plant-Based Diet among Young Chinese Adults: A Mixed Method Study
2021	Liang Liu	Association Between Sleep Duration and Hypertension in Middle-aged and Elderly Population in China
2020	Xurui Jin	Predicting All-Cause Mortality Among Chinese Community-Dwelling Elderly

**Member,** Thesis Committee, Master of Science in Global Health, Duke University:

2023	Daoheng Zhang	Changes in Financial Burden, Healthcare Utilization for Cancer Patients in East, Central and West China
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**Member,** Thesis Committee, Master of Public Health, Fudan University:

2024	Chenyang Zhong	Mechanisms of the Development Assistance for Health in Some OECD Countries
2024	Zhen Feng	Public Health Security Governance and Health Cooperation among

## BRICS Countries

**Advisor, Undergraduate Signature Work:**

2024	Luan Qian	Investigate the Interaction between Genetic and Environment Risk Factors for Dementia
2023	Biniam Garomsa	ML-based mobile application: Leprosy Recognition
2023	Philemon Hailemariam	ML-based mobile application: Skin Leprosy Operational Classification
2022	Tingxi Long	Socioeconomic Status and Cognitive Function among Older Adults in China. The Mediating Effects of Physical Exercise, Social Interaction, Community Service, and Access to Care
2022	Xinyi Yan	Examining the Association between Family Income, Macronutrient Intake and Obesity among Elderly Women with 2015-2018 NHANES
2022	Yunan Mei	Impact of Caregivers on Medication Adherence of People with Dementia in Home Care in Kunshan: From the Perspective of Caregivers' Knowledge of Dementia, Emotional State, and Relationship with Care Recipients

**Mentored Students:**

Name	Type	Institution	Placement
Li Huang	MD	Sichuan University	Clinician, West China Hospital
Jiaxi Zhao	MD	Sichuan University	M.D. Candidate
Yanli Zhao	MD	Sichuan University	M.D. Candidate
Miao Dai	MD	Sichuan University	M.D. Candidate
Weihao Xu	MD	PLA General Hospital	Postdoc, Guangdong General Hospital
Yulun Cai	MD	PLA General Hospital	Clinician, PLA General Hospital
Yongjing Ping	MS	Duke Kunshan University	Ph.D. Candidate, Duke-NUS
Xurui Jin	MS	Duke Kunshan University	Co-Founder, MindRank AI
Yangyujin Liu	MS	Duke Kunshan University	Business Analyst, DSFederal, USA
Anna Zhu	MS	Duke Kunshan University	Data Analyst, Veeva Systems
Bolu Yang	MS	Duke Kunshan University	Ph.D., Wuhan University
Tianshu Li	MS	Duke University	Consultant, Deloitte
Jie Tan	MS	LSHTM, University of London	Ph.D., Wuhan University
Xiaohan Qian	MS	New York University	Ph.D., Boston College
Zhexun Lou	MS	University College London	Ph.D., University of Queensland
Tianhang Zhang	MS	Imperial College London	Ph.D., Chinese University of HK
Ying Wang	MS	Wuhan University	Officer, CDC of Inner Mongolia
Yan Chen	MS	Wuhan University	Medical Science Liaison, GSK
Fei Wu	UG	Duke Kunshan University	M.S., Harvard University
Lihui Chen	UG	Duke Kunshan University	M.S., Yale University
Xinran Wang	UG	Duke Kunshan University	M.S., Northwestern University
Mei Chen Yap	UG	Duke Kunshan University	Class of 2024
Jingyi Zhang	UG	Dartmouth College	Research Analyst, Dartmouth College
Jiayi Zhou	UG	Wuhan University	Ph.D., University of Hong Kong
Chen Sheng	UG	Fudan University	M.S., Harvard University
Shengruo Zhang	UG	Liaoning University	Ph.D., University of Washington



Haoxue Li      UG      Soochow University      Software Engineer, Amazon

### Mentored Research Staff:

Name	Year	Placement
Yanxin Wang	2023-present	Currently working in the research group
Jianhong Xu	2023-present	Currently working in the research group
Yichen Xu	2023-2024	Currently working in the research group
Junhan Tang	2021-2023	Research Analyst, University of Hong Kong
Tianze Lin	2021-2022	Ph.D. Student, University of Hong Kong
Kehan Zhang	2020-2021	Ph.D. Student, Harvard University
Haiyu Jin	2019-2020	Postdoc, University of Southampton
Yaxi Li	2018-2019	Research Assistant, Shanghai Mental Health Center

### HONORS AND AWARDS

2022	Excellence in Teaching Award, Duke Kunshan University
2021	Outstanding Contribution in Reviewing Award, Gerontological Society of America
2020	Excellence Prize, International Forum on Health Promotion and Development
2019	Best Oral Presentation Award, 18 <sup>th</sup> China Medical Association Conference on Clinical Epidemiology and Evidence-Based Medicine
2019	Best Poster Award, 18 <sup>th</sup> China Medical Association Conference on Clinical Epidemiology and Evidence-Based Medicine
2019	Excellence in Teaching Award, Duke Kunshan University
2016	Schad Fellowship, Oregon State University
2015	Oregon Retired Educators Scholarship
2013	Fang, Cynthia Memorial Scholarship, Oregon State University
2012	Fang, Cynthia Memorial Scholarship, Oregon State University
2011	Milam Clark Fellowship

### SERVICE TO THE DISCIPLINE

#### Editorial Service

Editorial Board, <i>Aging Medicine</i>	2024-present
Editorial Board, <i>Journal of Gerontology: Biological Sciences</i>	2023-present
Editorial Board, <i>Journal of the American Geriatrics Society</i>	2022-present
Editorial Board, <i>Journal of Gerontology: Medical Sciences</i>	2021-present
Editorial Board, <i>BMC Geriatrics</i>	2021-present
Editorial Board, <i>BMC Health Services Research</i>	2019-present
Guest Editor, <i>Aging and Health Research</i>	2023
Guest Editor, <i>Frontiers in Medicine</i>	2020

#### Journal Referee

Journal of Gerontology: Medical Sciences	2017-present
Journal of the American Geriatrics Society	2017-present
BMJ Open	2017-present
European Journal of Ageing	2017-present

The American Journal of Medicine	2018-present
Journal of Population Ageing	2018-present
Clinical Interventions in Aging	2018-present
Journal of Clinical Hypertension	2018-present
Environmental Health and Preventive Medicine	2018-present
Journal of Epidemiology and Community Health	2019-present
BMC Geriatrics	2019-present
PLOS One	2019-present
International Health	2019-present
BMC Health Services Research	2019-present
Journal of Nutrition, Health & Aging	2019-present
Experimental Gerontology	2019-present
Age and Ageing	2020-present
Journal of Affective Disorders	2020-present
Research on Aging	2020-present
Lancet Public Health	2020-present
Frontiers in Public Health	2020-present
American Journal of Epidemiology	2020-present
Aging-US	2020-present
Lancet Healthy Longevity	2020-present
Journal of Evidence-Based Medicine	2020-present
Frontiers Psychology	2021-present
Annals of Medicine	2021-present
BMC Public Health	2021-present
BMC Endocrine Disorders	2021-present
Gerontology	2021-present
Nature Aging	2021-present
Nutrition	2021-present
Cancer Epidemiology	2021-present
Computer Methods and Programs in Biomedicine	2021-present
BMC Medical Research Methodology	2021-present
Lancet Regional Health – Western Pacific	2022-present
Social Science and Medicine – Population Health	2022-present
JAMA Network Open	2022-present
Bulletin of the World Health Organization	2022-present
Innovation in Aging	2022-present
Public Health	2023-present
BMJ	2023-present
Journal of Frailty & Aging	2023-present
Nature Communications	2024-present
<b>Grant/Thesis External Reviewer</b>	
<i>Grant Reviewer</i> , UK Research and Innovation	2023
<i>Grant Reviewer</i> , National Clinical Research Center, Sichuan University	2019-2023
<i>Grant Reviewer</i> , Kunshan No. 1 People's Hospital	2022
<i>External Reviewer</i> , Master's Thesis, Sichuan University	2021-2022

### Conference Abstract Referee

Gerontological Society of America	2015-2018
Society for Epidemiologic Research	2018
IAGG World Congress of Gerontology & Geriatrics	2017

### Committee

*Committee*, Global Health Branch, Chinese Preventive Medicine Association (2022-present)  
*Committee*, Suzhou Branch of the Western Returned Scholars Association (2022-present)  
*Committee*, Older Adults Nutrition, Jiangsu Nutrition Society (2021-present)  
*Standing Committee*, Chronic Disease Management, Jiangsu Geriatrics Society (2019-2022)  
*Faculty Mentor*, Regional Youth Southeast Asian Leaders Initiative (2019)  
*Emerging Leader*, World Heart Federations: Stroke Prevention, Treatment, and Rehabilitation: Think Tank Seminar (2018)

### SERVICE AT DUKE KUNSHAN UNIVERSITY

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*Chair*, Graduate Student Admission Review Committee (2020-present)  
*Faculty Coordinator*, Global Health Research Center (2020-2023)  
*Course Designer & Instructor*, Healthcare Big Data Training Program (2022-2024)  
*Member*, Faculty Search Committee in the Global Health Program (2021)  
*Member*, Academic Integrity Committee (2019-present)  
*Member*, Agenda Committee of Faculty Assembly (2021-2023)  
*Member*, Faculty Council Agenda Committee (2018-2021)  
*Member*, Research Policy Committee (2018-2020)  
*Member*, Institutional Animal Care and Use Committee (2018-2020)  
*Member*, Graduate Academic Review Board (2019-present)  
*Organizer*, “Health+X” Interdisciplinary Health Research Call for Proposal (2021)  
*Organizer*, Global Health Research Seminar Series (2019-2020)  
*Faculty Mentor*, Youth Leadership in Global Health Club (2019-present)  
*Mentor*, Undergraduate Student Research (2018-present)  
*Mentor*, Summer Research Scholar Program (2020-2022)

### PROFESSIONAL MEMBERSHIPS

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