

## CURRICULUM VITAE

**Li Chen**

Instructor

Georgia Prevention Institute, Department of Population Health Sciences

Medical College of Georgia, Augusta University

1120 15th Street, HS-1730, Augusta, GA 30912-3710

Phone: 1.706.414.7239

Email: [CHEN\\_85@hotmail.com](mailto:CHEN_85@hotmail.com)[LICHENI@augusta.edu](mailto:LICHENI@augusta.edu)Personal Webpage: [https://www.researchgate.net/profile/Li\\_Chen283](https://www.researchgate.net/profile/Li_Chen283)<https://www.ncbi.nlm.nih.gov/myncbi/1Ta-b0eVSTBE3x/bibliography/public/>**EDUCATION****9/2009 – 7/2014****Ph.D.**, Health Policy & Management, School of Social Development and Public Policy, Beijing Normal University, Beijing, China

Dissertation: “Impact Analysis of Length of Hospital Stay on 30-Day Readmission based on Instrumental Variable Probit model”

**9/2004 – 7/2009****BSN (5-Year Program)**, Nursing (major) & Economics (minor), School of Nursing, Health Science Center, Peking University, Beijing, China

Thesis: “The Study on the Time of Refrain from Fluid after General Anesthesia of Selective Orthopedic Surgery”

**ACADEMIC APPOINTMENTS****11/2021 – present**

Instructor in Georgia Prevention Institute, Department of Population Health Sciences, Medical College of Georgia, Augusta University, Augusta, GA, USA

Research Area:

- Sodium reduction, metabolomics profiling, gut microbiome, and cardiovascular health;
- Epigenetic aging and cellular aging;
- Socioeconomic determinants of cardiovascular health.

**5/2017 – 10/2021**

Postdoctoral Fellow in Georgia Prevention Institute, Department of Medicine, Medical College of Georgia, Augusta University, Augusta, GA, USA

Supervisors: Yanbin Dong, MD, PhD; Haidong Zhu, MD, PhD

Research Area:

- Cardiovascular effects of Vitamin D; damage-Associated Molecular Patterns; chronic inflammation in cardiovascular diseases. (Supervisor: Dr. Yanbin Dong)
- Sodium reduction and cardiovascular health; epigenetic aging; miRNA and metabolomics profiling; sodium and gut microbiome; chronic inflammation in hypertension; telomere length. (Supervisor: Dr. Haidong Zhu)

**8/2014 – 4/2017**

Research assistant professor in Institute of Medical Information, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

Supervisor: Tao Dai, PhD

Research Area:

- Health policy; behavior modeling; health economics analysis.

**VISITING SCHOLARSHIP**

9/2012 – 9/2013

**University of Chicago**

Study at the University of Chicago as a visiting Ph.D. student from Sep 2012 to Aug 2013.

Supervisor: David Meltzer, MD, PhD

Research Area:

- Hospitalist Program. Data management: Process big datasets of inpatient care electronic information, merge multiple datasets and identify each doctor by position, date and their signature.
- Health Economic Evaluation of TB Diagnose Strategy in Resource-Limited Settings. Economic analysis: Using TreeAge to construct infectious disease model of TB diagnostic technology, and analyze its cost-benefits.

**ADDITIONAL COURSES AND TRAINING**

8/2008 – 5/2009

Nursing internship at Peking University Third Hospital

4/2019

Research Academy 101, Augusta University

3/2019

Workshop: Emerging Data Science Methods for Complex Biomedical and Cyber Data, Augusta University

4/2019

NIH Grant Writing Seminar, Augusta University

1/2019

Postdoctoral Career Development Seminar, Augusta University

11/2017

Clinical Genomics Boot Camp, Anaheim Convention Center, Anaheim, CA, USA.

**SKILLS & TECHNIQUES**Software for statistics and data science: R, Stata, Epidata ManagerSoftware for health economic analysis: TreeAgeSoftware and packages for omics data analysis: Gene Set Enrichment Analysis (GSEA), MetaboAnalyst, TargetScanHuman, DIANA Lab Tools, DNA Methylation Age Calculator.Statistical models: Mixed-effects regression, instrumental-variable modeling, structural equation modeling, survival analysis.Health economics: Healthcare decision tree modeling, cost-effectiveness model, Markov modeling, individual-level simulation.Omics data: DNA methylation, metabolomics, and micro RNAs.Languages: English and Chinese (Mandarin)**TEACHING EXPERIENCE**

Design the Self-Taught Higher Education Examinations for Beijing Education Examinations Authority. (Subject: Health and Security, 2017)

Lecturer, Course: Statistical analysis and introduction of STATA. (For graduate students) (Beijing Normal University, 2015)

Lecturer, Course: Instrumental variable modeling. (For graduate students) (Beijing Normal University, 2014)

Teaching Assistant, Course: Health Economics. (For graduate students) (Beijing Normal University, 2012)

Teaching Assistant, Course: Health Education and Promotion. (For graduate students) (Beijing Normal University, 2012)

**HONORS AND AWARDS**

**2013 National Scholarship for Graduate Students** (for top three percent of all Ph.D. candidates in China, ¥ 30,000)

### SCIENTIFIC AND PROFESSIONAL SOCIETIES

**2021** Moderator for the American Heart Association Scientific Sessions  
**2021** Topic Editor for *Frontiers in Public Health* (IF=3.709)  
**2017 – Present** Panelist for the National Natural Science Foundation of China (NSFC)  
**2017** Consultant of United Nations Population Fund (UNPF)  
 Sexual and Reproductive Health in China and Policy

### NATIONAL GRANT REVIEWS

**2018-2021** Peer Review Committee for the National Natural Science Foundation of China (NSFC)

### JOURNAL REVIEWS

*Aging* (IF=5.682)  
*BMJ Open* (IF=2.692)  
*Cells* (IF=6.600)  
*Chinese Journal of Health Policy*  
*Clinical Epidemiology* (IF=4.790)  
*Clinical Interventions in Aging* (IF=4.458)  
*ClinicoEconomics and Outcomes Research*  
*Environmental Research* (IF=6.498)  
*International Journal for Equity in Health* (IF=3.192)  
*Medicine* (IF=1.889)  
*Nutrients* (IF=5.717)  
*Nutrition, Metabolism and Cardiovascular Diseases* (IF=4.222)  
*Scientific Reports* (IF=4.379)  
*Therapeutics and Clinical Risk Management* (IF=2.423)

### FUNDING (As PI/co-I)

#### Ongoing Grant

**857552 AHA Career Development Award Chen (PI) 10/1/2021 – 9/30/2024 \$231,000**

**The Roles of HMB and Sodium in Blood Pressure Regulation and Gut Microbiome**

American Heart Association

This project seeks to investigate the role of leucine/a-KIC/HMB pathway in salt-induced blood pressure elevation. It will also explore the interplay between salt, HMB, and gut microbiota. The findings of this research will uncover new molecular mechanisms linking salt to blood pressure.

#### Completed Grants

**Impact Analysis of Hospital's Internal Motivation on Doctors' Behavior and the Effectiveness of DRGs Payment Reform**

National Natural Science Foundation of China

Jan 2016 – Dec 2018

Grant Number: 71503267 Chen (PI)

Analyze impact of internal motivation scheme on the effectiveness of payment reform to contain healthcare cost. A behavior model of the doctors will be built based on the theory of planned behavior. This project will provide evidence on how to design a functional internal motivation scheme that will be the most compatible with the DRG payment reform.

### **The Moderation Effect of Hospital's Internal Incentive Schemes on the Impact of Reimbursement Reform on Doctors' Behavior**

Ministry of Education in China Project of Humanities and Social Sciences Jan 2016 – Dec 2018

Grant number: 15YJC630009 Chen (PI)

This project will build a behavior model of doctors in providing healthcare services. We will construct a model show how reimbursement reform will change the input factors of the behavior models, and how the hospital internal incentive schemes will moderate these associations.

### **Impact of County-level Hospital's Compensation plan on the Progress of Reimbursement Mechanism Reform**

Peking Union of Medical College Youth Fund Jun 2015 – Jun 2016

Grant Number: 3332015082 Chen (PI)

Analyze the association of compensation plan of the county-level hospitals with the progress of reimbursement mechanism reform.

### **Health Economics Analysis of Cervical Cancer and Breast Cancer Screening Strategies**

National Natural Science Foundation of China Jan 2014 – Dec 2017

Grant Number: 71373166 Han (PI)

This project aims to construct health economic models using data from case reports, annual statistics, literature review, and expert advices, to simulate long-term cost and quality-adjusted life-years saved by different screen strategies, calculate incremental cost-effectiveness ratio, and generate cost-effectiveness acceptability curve, and eventually to inform the policy makers and the health managers to choose the most appropriate, economical and efficient screening strategy.

Role: Co-I

## **PUBLICATIONS**

32. Zuo L, Huang J, Zhang H, Huang B, Wu X, **Chen L**, Xia S, Dong X, Hao G\*. [Dose-Response Association Between Bilirubin and Cardiovascular Disease: A Systematic Review and Meta-analysis.](#) *Angiology*. January 2022. DOI:10.1177/000331972111059693 (IF=3.619)
31. Wei Y, Liu C, Lai F, Dong S, Chen H, **Chen L**, Shi L, Zhu F, Lv X, Peng S, Hao G\*. [Associations between serum total bilirubin, obesity and type 2 diabetes.](#) *Diabetology & Metabolic Syndrome*. 2021; 13: 143. DOI: 10.1186/s13098-021-00762-0 (IF=3.320)
30. Zhu D, Guo N, Wang J, Nicholas S, **Chen L\***. [Longitudinal Association of Medical Staff Salaries with Medical Service Utilization and Expenditure in China, 2007-2016.](#) *Frontiers in Public Health, section Health Economics*. 2021;9(2014). DOI: 10.3389/fpubh.2021.767541. (IF=3.709)
29. Zuo L, **Chen L**, Chen X, Liu M, Chen H, Hao G\*. [Pyrethroids exposure induces obesity and cardiometabolic diseases in a sex-different manner.](#) *Chemosphere*. 2021:132935. DOI: 10.1016/j.chemosphere.2021.132935. (IF=7.806)
28. Hao G\*, Zuo L, Xiong P, **Chen L**, Liang X, Jing C. [Associations of PM2.5 and road traffic noise with mental health: evidence from UK Biobank.](#) *Environmental Research*. 2021:112221. DOI: 10.1016/j.envres.2021.112221. (IF=6.498)

27. Raed A, Bilz J, Cooper M, Young L, **Chen L**, Cromer P, Zhu H, Mazzoli A, Parikj S, Bhagatwala J, Dong YT, Sun Z, Layman D, Dong Y\*. [Handgrip and Sex-Specific Cardiometabolic Risk Factors in Hispanic/Latino Migrant Farmworkers](#). *Scientific Reports*. 2021; 11: 10272. DOI: 10.1038/s41598-021-89138-y. (IF=4.379)
26. Xiong P, Liang X, Cheng H, **Chen L**, Zuo L, Jing C, Hao G\*. [Association between childhood neighborhood quality and the risk of cognitive dysfunction in Chinese middle-aged and elderly population: The moderation effect of body mass index](#). *Frontiers in Aging Neuroscience*. 2021;13(182). DOI: 10.3389/fnagi.2021.645189. (IF=5.750)
25. Yu F, He B, **Chen L**, Wang F, Zhu H, Dong Y, Pan S\*. [Intermuscular Fat Content in Male Patients with Newly Diagnosed Type 2 Diabetes: Based on MR mDIXON-Quant Quantitative Technique](#). *Frontiers in Endocrinology*. 2021;12:536018. DOI: 10.3389/fendo.2021.536018. (IF=5.555)
24. Chen H, **Chen L**, Hao G\*. [Sex difference in the association of solid fuel use with cognitive function in rural China](#). *Environmental Research*. 2021; 195: 110820. DOI: 10.1016/j.envres.2021.110820. (IF=6.498)
23. Luo X, Zheng R\*, Jin X, Sun Y, **Chen L**, Peng J, Huang X, Tian X, Mei L. [Barriers to Adolescent Health Care in Maternal and Children's Healthcare Hospitals: Based on a National Survey in China](#). *Journal of Adolescent Health*. 2020;67(5, Supplement):S32-S7. DOI: https://doi.org/10.1016/j.jadohealth.2020.07.024. (IF=5.012)
22. Reddy A, Halenda K, Cromer P, **Chen L**, Butler J, Raed A, Bhagatwala J, Sponseller T, Bollinger K, Zhu H, Young L, Layman D, Dong Y\*. [The Association of Intraocular Pressure with Obesity and Cardiometabolic Risk in a Young Farmworker Population](#). *Journal of Glaucoma*. 2021; 30(1):24-31. DOI: 10.1097/IJG.0000000000001673. (IF=2.503)
21. **Chen L**, Zhu H, Su S, Harshfield G, Sullivan J, Webb C, Blumenthal J, Wang X, Huang Y, Treiber F, Kapuku G, Li W, Dong Y\*. [High Mobility Group Box-1 is associated with Obesity, Inflammation and Subclinical Cardiovascular Risk among Young Adults: A Longitudinal Cohort Study](#). *Arteriosclerosis, Thrombosis, and Vascular Biology*. 2020; 40(11):2776-2784. DOI: 10.1161/ATVBAHA.120.314599. DOI: 10.1161/ATVBAHA.120.314599 (IF=8.311)
20. **Chen L**, Zhu H, Harshfield G, Huang Y, Dong Y\*. [Association between Serum 25 Hydroxyvitamin D and the Effects of Angiotensin II Receptor Blocker on Renal Function among African Americans: A Post hoc Analysis of a Randomized Controlled Trial](#). *Journal of Clinical Hypertension*. 2020;22(10):1874-1883. DOI: 10.1111/jch.13997 (IF=3.738)
19. **Chen L**, He FJ, Dong Y, Huang Y, Wang C, Harshfield GA, Zhu H\*. [Modest Sodium Reduction Increases Circulating Short-Chain Fatty Acids in Untreated Hypertensives: A Randomized, Double-Blind, Placebo-Controlled Trial](#). *Hypertension*. 2020;76:73-79. DOI:10.1161/HYPERTENSIONAHA.120.14800 (IF=10.190)
18. **Chen L**, Zhu H, Harshfield GA, Treiber FA, Pollock JS, Pollock D, Okereke OI, Su S, Dong Y\*. [Serum 25-hydroxyvitamin D concentrations are associated with mental health and psychosocial stress in young adults](#). *Nutrients*. 2020;12(7):E1938. DOI:10.3390/nu12071938 (IF=5.717)
17. **Chen L**, Wagner C, Dong Y, Wang X, Shary J, Huang Y, Hollis B, Zhu H\*. [Effects of Maternal Vitamin D<sub>3</sub> Supplementation on Offspring Epigenetic Clock of Gestational Age at Birth: A Post-hoc Analysis of a](#)

- [Randomized Controlled Trial](#). *Epigenetics*. 2020;15(8):830-840. DOI:10.1080/15592294.2020.1734148 (IF=4.528)
16. Chen H\*, Xiong P, **Chen L**, Hao G. [Childhood neighborhood quality, friendship and risk of depressive symptoms in adults: The China Health and Retirement longitudinal Study](#). *Journal of Affective Disorders*. 2020;276:732-737. DOI: 10.1016/j.jad.2020.07.090 (IF=4.839)
15. **Chen L**, Dong Y, Chen J, Huang Y, Zhu H\*. [Epigenetics Predicts Serum 25-hydroxyvitamin D3 Response to Vitamin D3 Supplementation in African Americans](#). *Molecular Nutrition & Food Research*. 2020;64:e1900738. DOI:10.1002/mnfr.201900738 (IF=5.914)
14. **Chen L**, Zhu H, Gutin B, Sesso HD, Dong Y\*. [Higher Chocolate Intake is Associated with Longer Telomere Length among Adolescents](#). *Pediatric Research*. 2020;87:602-607. DOI: 10.1038/s41390-019-0590-6 (IF=3.756)
13. Chen H, **Chen L**, Hao G\*. [Exercise attenuates the association between household pesticide exposure and depressive symptoms: evidence from NHANES, 2005-2014](#). *Environmental Research*. 2020;188:109760. DOI: 10.1016/j.envres.2020.109760 (IF=6.498)
12. **Chen L**, Hao G\*. [Obesity and Cardiovascular Risk Management Is a Critical Way to Reduce Healthcare Resource Pressure](#). *European Journal of Preventive Cardiology*. 2020;2047487320929248. DOI:10.1177/2047487320929248 (IF=7.804)
11. **Chen L**, Hao G\*. [The Role of Angiotensin-Converting Enzyme 2 in Coronaviruses/Influenza Viruses and Cardiovascular Disease](#). *Cardiovascular Research*. 2020;116(12):1932-1936. DOI:10.1093/cvr/cvaa093 (IF=10.787)
10. **Chen L**, Chen H, Dong S, ....., Hao G\*. [The effects of chloroquine and hydroxychloroquine on ACE2 related coronavirus pathology and the cardiovascular system: An evidence based review](#). *Function*. 2020;1(2):zqaa012. DOI: 10.1093/function/zqaa012.
9. **Chen L**, Dong Y, Bhagatwala J, Raed A, Huang Y, Zhu H\*. [Vitamin D3 Supplementation Increases Long-Chain Ceramide Levels in Overweight/Obese African Americans: A Post-hoc Analysis of a Randomized Controlled Trial](#). *Nutrients*. 2020;12:E981. DOI: 10.3390/nu12040981 (IF=5.717)
8. **Chen L**, Zhu H, Gutin B, Dong Y\*. [Race, Gender, Family Structure, Socioeconomic Status, Dietary Patterns, and Cardiovascular Health in Adolescents](#). *Current Developments in Nutrition*. 2019;3:nzz117. DOI:10.1093/cdn/nzz117
7. **Chen L**, He FJ, Dong Y, Huang Y, Harshfield GA, Zhu H\*. [Sodium Reduction, Metabolomic Profiling, and Cardiovascular Disease Risk in Untreated Black Hypertensives](#). *Hypertension*. 2019;74:194–200. DOI: 10.1161/HYPERTENSIONAHA.119.12880 (IF=10.190)
6. Dong Y, **Chen L**, Gutin B, Zhu H\*. [Total, Insoluble, and Soluble Dietary Fiber Intake and Insulin Resistance and Blood Pressure in Adolescents](#). *European Journal of Clinical Nutrition*. 2019, 73(8):1172–1178. DOI:10.1038/s41430-018-0372-y (IF=4.016)
5. **Chen L**, Dong Y, Bhagatwala J, Read A, Huang Y, Zhu H\*. [Effects of Vitamin D3 Supplementation on Epigenetic Aging in Overweight and Obese African Americans with Suboptimal Vitamin D Status: a Randomized Clinical Trial](#). *Journals of Gerontology: Series A, Biological Sciences and Medical Sciences*. 2019, 74(1):91-98. DOI: 10.1093/gerona/gly223 (IF=6.053)

4. **Chen L**, He FJ, Dong Y, Harshfield GA, Zhu H\*. [Sodium Reduction, miRNA Profiling and CVD Risk in Untreated Hypertensives: a Randomized, Double-Blind, Placebo-Controlled Trial](#). *Scientific Reports*. 2018, 8(1):12729. DOI: 10.1038/s41598-018-31139-5 (IF=4.379)
3. **Chen L**, Dong Y, Wang X, Hao G, Huang Y, Gutin B, Zhu H\*. [Epigenome-Wide Association Study of Dietary Fiber Intake in African American Adolescents](#). *Molecular Nutrition & Food Research*. 2018;62(12):e1800155. DOI: 10.1002/mnfr.201800155 (IF=5.914)
2. Xue R, Duan Z, Liu H, **Chen L**, Yu H, Ren M, Zhu Y, Jin C, Han T, Gao Z, Meng Q\*. [A Novel Dynamic Model for Predicting Outcome in Patients with Hepatitis B Virus Related Acute-on-Chronic Liver Failure](#). *Oncotarget*. 2017, 8(65):108970-108980. DOI: 10.18632/oncotarget.22447 (IF=5.168)
1. Zhu D, Guo N, Wang J, Nicholas S, **Chen L**\*. [Socioeconomic Inequalities of Outpatient and Inpatient Service Utilization in China: Personal and Regional Perspectives](#). *International Journal for Equity in Health*. 2017;16:210. DOI:10.1186/s12939-017-0706-8 (IF=3.192)

### MANUSCRIPTS UNDER REVIEW

3. Sex differences in the prevalences of, and trends in sleep patterns and prescription medications for insomnia among US adults, 2005 to 2018. *American Journal of Epidemiology*. 2021
2. Hao G\*, Zuo L, Wen X, Fei Q, Zhang Z, **Chen L**\*, Wang Z\*, Jing C\*. Associations of road traffic noise with cardiovascular diseases and mortality: longitudinal results from UK Biobank and meta-analysis. *Lancet Global Health*. 2021
1. Chen H, **Chen L**, Zuo L, Wei Y, Chen S, Hao G\*. Smoking moderates the association between household pesticide exposure and hypertension: evidence from NHANES, 1999-2014. *Chemosphere*. 2020

### PRESENTATIONS

17. Duah O, Zhu H, **Chen L**, Dong Y, and Young LF\*. Cross-link Between Dietary Sodium, Gut Microbiome, and Heart Failure. The Third Annual Harvard Chan Microbiome in Public Health Center (HCMPH) Symposium. May 17, 2021.
16. **Chen L**, Zhu H, Bhagatwala J, Raed A, Huang Y, Sesso H, Dong Y\*. Chocolate Intake is Associated with Decreased Epigenetic Aging among African Americans. *AHA EPI/LIFESTYLE Scientific Sessions*. March 3-6, 2020. Phoenix, AZ.
15. Zhu H, **Chen L**, He F, Huang Y, Wang C, Harshfield G, Dong Y\*. Sex difference, Circulating Short-Chain Fatty Acids, Dietary Sodium Reduction in Untreated Hypertensives: A Randomized, Double-Blind, Placebo-Controlled Trial. *AHA EPI/LIFESTYLE Scientific Sessions*. March 3-6, 2020. Phoenix, AZ.
14. **Chen L**, Zhu H, Huang Y, Harshfield G, Dong Y\*. Vitamin D May Be Associated with the Renal Effects of Angiotensin II Receptor Blocker in African Americans. *AHA Scientific Sessions*. November 16-18, 2019, Philadelphia, PA. (Abstract# 16087)
13. Chen J, **Chen L**, Shi Y, Dong Y, Zhu H\*. An Epigenome-Wide Association Study of Vitamin D Supplementation in African Americans: A Randomized Double-blind, Placebo-controlled Trial. *2019 Food & Nutrition Conference & Expo*. Oct 26-29, 2019. Philadelphia, PA.
12. Zhu H, **Chen L**, Wagner CL, Wang X, Shary JR, Huang Y, Hollis BW, Dong Y\*. Effects of Maternal vitamin D supplementation on offspring epigenetic clock of Gestational age at birth: A randomized controlled trial. *American Society of Nutrition 2019 annual conference*. June 8-11, 2019. Baltimore, MA.

Abstract ID: 620364

11. **Chen L**, Zhu H, Gutin B, Sesso H, Dong Y\*. Higher chocolate intake is associated with longer telomere length among adolescents. *American Society of Nutrition 2019 annual conference*. June 8-11, 2019. Baltimore, MA. Abstract ID: 621360.
10. **Chen L**, Zhu H, Harshfield G, Dong Y\*. Vitamin D May Be Associated with the Renal Effects of Angiotensin II Receptor Blocker in African Americans. *35<sup>th</sup> Annual Graduate Research Day*. April 1-2, 2019, Augusta, GA.
9. **Chen L**, Dong Y, Wang X, Hao G, Huang Y, Gutin B, Zhu H\*. An Epigenome-Wide Association Study of Dietary Sodium to Potassium Ratio in African American Adolescents. *AHA Scientific Sessions*. November 10-12, 2018, Chicago, IL. (Abstract# 12628)
8. **Chen L**, He FJ, Dong Y, Harshfield GA, Zhu H\*. Effects of dietary sodium reduction on metabolomic profiles in untreated black hypertensives. *AHA Scientific Sessions*. November 10-12, 2018, Chicago, IL. (Oral presentation, Abstract# 12318)
7. **Chen L**, Zhu H, Huang Y, Gutin B, Dong Y\*. High-Mobility Group Box-1 (HMGB1) level in adolescents is associated with mothers' education in a dose-response fashion but not fathers' education. *State of the Public's Health Conference*. October 18, 2018, Athens, GA.
6. **Chen L**, Dong Y, Gutin B, Zhu H\*. Dietary Patterns, Cardiovascular disease risk factors and socioeconomic determinants among adolescents in the southeastern region of the U.S. *State of the Public's Health Conference*. October 18, 2018, Athens, GA.
5. **Chen L**, Zhu H, Harshfield GA, Huang Y, Dong Y\*. Low plasma 25-hydroxyvitamin D concentration is associated with depression, perceived stress, anxiety and hostility. *The 21st workshop on vitamin D*. May 16-19, 2018. Barcelona, Spain.
4. **Chen L**, Dong Y, Bhagatwala J, Raed A, Huang Y, Zhu H\*. Effect of vitamin D supplementation on epigenetic aging: a randomized placebo-controlled trial. *AHA EPI/LIFESTYLE Scientific Sessions*. March 20-24, 2018. New Orleans, LA.
3. **Chen L**, He Fj, Dong Y, Harshfield GA, Zhu H\*. Sodium Reduction, miRNA Profiling and Insights into Cardiovascular Phenotypes in Hypertensives. *AHA Scientific Sessions*. November 11-15, 2017. Anaheim, CA, USA.
2. **Chen L**. The Construction of Hospital Internal Incentive Mechanism Based on Complete Contract. *Medical and Health Management Young Scholar Forum*. December 17-18, 2016. Wuhan, Hubei, China.
1. **Chen L**. Impact Pathway of Hospitals' Internal Motivation on Doctors' Behavior and Outcome on Carrying Out DRGs Payment Reform. *Symposium of 2015 National Natural Science Foundation of China Awardees*. October 12-13, 2016. Yangzhou, Jiangsu, China.

#### **PUBLISHED ABSTRACTS**

10. Chen J, **Chen L**, Shi Y, Dong Y, Zhu H\*. [An Epigenome-Wide Association Study of Vitamin D Supplementation in African Americans: A Randomized Double-blind, Placebo-controlled Trial](#). *Journal of the Academy of Nutrition and Dietetics*. 2019;119(10):A123. DOI: 10.1016/j.jand.2019.08.077. (IF=4.910)
9. **Chen L**, Zhu H, Bhagatwala J, Raed A, Huang Y, Sesso HD, Dong Y. [Abstract P213: Chocolate Intake](#)



- [Is Associated with Decreased Epigenetic Aging among African Americans.](#) *Circulation.* 2020;141:AP213-AP213. DOI:10.1161/circ.141.suppl\_1.P213. (IF=29.690)
8. Zhu H, **Chen L**, He F, Huang Y, Wang C, Harshfield G, Dong Y. [Abstract MP48: Sex Difference, Circulating Short-Chain Fatty Acids, Dietary Sodium Reduction in Untreated Hypertensives: A Randomized, Double-Blind, Placebo-Controlled Trial.](#) *Circulation.* 2020;141:AMP48-AMP48. DOI:10.1161/circ.141.suppl\_1.MP48. (IF=29.690)
7. **Chen L**, Zhu H, Huang Y, Harshfield G, Dong Y. [Abstract 16087: Vitamin D May Be Associated with the Renal Effects of Angiotensin II Receptor Blocker in African Americans.](#) *Circulation.* 2019;140:A16087-A16087. DOI:10.1161/circ.140.suppl\_1.16087. (IF=29.690)
6. **Chen L**, Wagner C, Dong Y, Wang X, Shary J, Huang Y, Hollis B, Zhu H. [Effects of Maternal Vitamin D<sub>3</sub> Supplementation on Offspring Epigenetic Gestational Age Acceleration at Birth: A Randomized Controlled Trial \(P11-036-19\).](#) *Current developments in nutrition.* 2019;3:nzz048.P011-036-019. DOI: 10.1093/cdn/nzz048.P11-036-19.
5. **Chen L**, Zhu H, Gutin B, Sesso H, Dong Y. [Higher Chocolate Candy Intake Is Associated with Longer Telomere Length among Adolescents \(P01-018-19\).](#) *Current developments in nutrition.* 2019;3:nzz028.P001-018-019. DOI: 10.1093/cdn/nzz028.P01-018-19.
4. **Chen L**, He FJ, Dong Y, Harshfield GA, Zhu H. [Abstract 12318: Effects of Dietary Sodium Reduction on Metabolomic Profiles in Untreated Black Hypertensives.](#) *Circulation.* 2018;138:A12318-A12318. DOI:10.1161/circ.138.suppl\_1.12318. (IF=29.690)
3. **Chen L**, Dong Y, Wang X, Hao G, Huang Y, Gutin B, Zhu H. [Abstract 12628: An Epigenome-Wide Association Study of Dietary Sodium to Potassium Ratio in African American Adolescents.](#) *Circulation.* 2018;138:A12628-A12628. DOI:10.1161/circ.138.suppl\_1.12628. (IF=29.690)
2. **Chen L**, Dong Y, Bhagatwala J, Raed A, Huang Y, Zhu H. Abstract p012: [The Effect of Vitamin D Supplementation on Epigenetic Aging: A Randomized Placebo-controlled Clinical Trial.](#) *Circulation.* 2018;137:AP012-AP012. DOI:10.1161/circ.137.suppl\_1.p012. (IF=29.690)
1. **Chen L**, He F, Dong Y, Harshfield GA, Zhu H. [Abstract 16869: Sodium Reduction, miRNA Profiling and Insights into Cardiovascular Phenotypes in Hypertensives.](#) *Circulation.* 2017;136:A16869-A16869. DOI:10.1161/circ.136.suppl\_1.16869. (IF=29.690)

### **COMMUNITY OUTREACH**

- 2017 – Present** Service in annual Costa-Layman Health Fairs in South Carolina aiming to estimate the cardiometabolic risks among young Hispanic/non-Hispanic migrant farmworkers.
- 2013** Participate in the community health promotion program for breast cancer patients in Beijing, China.