TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Jie Zhu Title: Assistant Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2010	Wuhan University	Internal Medicine	Effects of Cholecystokinin on Contractions of Colonic Smooth Muscle, the Currents of Colonic Cell Membrane Channels and Membrane Potentials.
MS	2007	Wuhan University	Internal Medicine	
MD	2003	Wuhan University	Clinical Medicine	

C. University Experience

Position	*University*	*Comments*	*Dates*
Associate Professor, Nutrition and Foods Program/ School of Family and Consumer Sciences	Texas State University. San Marcos, TX		May 2025 - Present
Adjunct Senior Lecturer	The Center of Science Education and Promotion in Shanghai,. Shanghai, China		March 2014 - August 2019
Research Assistant Professor, Department of Nutrition	Shanghai Jiao Tong University School of Medicine.		March 2013 - August 2019

	Shanghai, China	
Adjunct Research Assistant Professor, Key Laboratory of Pediatric Gastroenterology and Nutrition	Shanghai Institute for Pediatric Research. Shanghai, China	January 2014 - December 2014
Postdoctoral Research Associate, Nutrigenetics Laboratory	UNC Nutrition Research Institute, University of North Carolina at Chapel Hill. Kannapolis, NC	August 2011 - December 2012
Postdoctoral Research Associate, Center for Biotechnology and Genomic Medicine	Medical College of Georgia. Atlanta, GA, United States	February 2011 - July 2011
Graduate Research Assistant, Division of Gastroenterology	The First Clinical Medical College, Wuhan University. Wuhan	September 2007 - June 2010

D. Relevant Professional Experience

Position	*Entity*	*Comments*	*Dates*
Assistant Professor	School of Family & Consumer Sciences, Texas State University, San Marcos, TX, United States		August 2019 - April 2025

E. Other Professional Credentials (licensure, certification, etc.)

Certificate of Teaching Qualification in Colleges and Universities, Shanghai Municipal Education Commission. (2015 - Present).

Certificate of Medical Practitioners, Chinese Medical Doctor Association. (2005 - Present).

II. TEACHING

B. Courses Taught:

Texas State University:

NUTR 2360 - NUTRITION SCIENCE

NUTR 3362 - NUTRITION & HEALTH

NUTR 4361 - BIOCHEM NUTRITION

NUTR 5199B - THESIS

NUTR 5300 - FOUNDATION STUDIES

NUTR 5355 - ADV IND STUDY NUTR

NUTR 5366 - MACRO METAB

NUTR 5366 - NUTR METABOLISM I

NUTR 5399A - THESIS

NUTR 5399B - THESIS

Department of Nutrition, Shanghai Jiao Tong University School of Medicine:

Advanced Clinical Nutrition and Application

Academic English in Nutriology and Food Safety

Community Health and Nutrition Education

Human Nutrition and Metabolism

Medical Nutrition Therapy

Nutrition Counseling and Assessment

Nutrition Research Techniques and Methodology

Sports Nutrition

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Supervisor / Chair, "NUTR 4301 Research and Career Exploration", Status: Completed. (June 1, 2024 - August 2, 2024). School of Family and Consumer Sciences, Texas State University.
Student(s): Natalie Simon, Undergraduate, B.S.

Supervisor / Chair, Master's Thesis, "Serum Choline and Betaine in Relation to Risk of Gestational Diabetes Mellitus among Chinese Pregnant Women", Status: Completed. (June 1, 2023 - May 6, 2024). School of Family and Consumer Sciences, Texas State University.
Student(s): Gunjana Saikia, Graduate, M.S.
Thesis Proposal_Gunjana Saikia-1.pdf

Supervisor / Chair, "NUTR 4301 Research and Career Exploration", Status: Completed. (June 1, 2023 - August 4, 2023). School of Family and Consumer Sciences, Texas State University.
Student(s): Francesca Khurana, Undergraduate, B.S.

Supervisor / Chair, Independent Study, "NUTR 5355. Advanced Independent Study in Nutrition", Status: Completed. (June 2023 - July 2023). School of Family and Consumer Sciences, Texas State University.
Student(s): Rylee Best, Graduate, M.S.

Member, Master's Thesis, "Prenatal exposure to, but not postnatal ingestion of, a high fat sucrose diet increases depression-related behavior, novelty reactivity, and baseline serum corticosterone", Status: Completed. (February 19, 2021 - November 22, 2022). Texas State University.
Student(s): Chris Farber.

Supervisor / Chair, Independent Study, "NUTR 5355. Advanced Independent Study in Nutrition", Status: Completed. (June 2022 - July 2022). School of Family and Consumer Sciences, Texas State University.
Student(s): Gunjana Saikia, Graduate, M.S.

Supervisor / Chair, Master's Thesis, "Choline and betaine intake during pregnancy in relation to risk of gestational diabetes mellitus among Chinese women", Status: Completed. (May 30, 2020 - July 15, 2022). Nutrition and Foods Program, School of Family and Consumer Sciences, Texas State University.
Student(s): Kallie Lamkin, Graduate, M.S.
Lamkin Kallie Thesis-1.pdf

Supervisor / Chair, Independent Study, "NUTR 5355. Advanced Independent Study in Nutrition", Status: Completed. (January 2022 - May 2022). School of Family and Consumer Sciences, Texas State University.
Student(s): Carley Rivers, Graduate, M.S.

Supervisor / Chair, Independent Study, "NUTR 5355. Advanced Independent Study in Nutrition", Status: Completed. (August 2021 - December 2021). School of Family and Consumer Sciences, Texas State University.
Student(s): Shayna Renee Andrew, Graduate, M.S.

Member, Master's Thesis, "The role of visfatin and the IGF-1/IR/Akt axis in chemo-resistant liver cancer cells", Status: Completed. (November 2019 - July 13, 2021). Nutrition and Foods Program, School of Family and Consumer Sciences, Texas State University.
Student(s): Kimberly Glasscock, Graduate, MS.

Supervisor / Chair, Independent Study, "NUTR 5355. Advanced Independent Study in Nutrition", Status: Completed. (January 2021 - May 2021). School of Family and Consumer Sciences, Texas State University.
Student(s): Stefanie Hernandez, Graduate, M.S.

Supervisor / Chair, "NUTR 4301 Research and Career Exploration", Status: Completed. (June 2020 - July 2020). School of Family and Consumer Sciences, Texas State University.
Student(s): Lilly Roberts, Graduate, B.S.

E. Teaching Grants and Contracts

3. Funded Internal Teaching Grants and Contracts:

Zhu, Jie (Co-Principal), Percent Contribution: 33.3%, Koh, Gar Yee (Co-Principal), Percent Contribution: 33.3%, Salcedo, Ramona (Co-Principal), Percent Contribution: 33.3%. Supporting Undergraduates in Research to Gain Experience (SURGE) 2023, College of Applied Arts, Texas State University, $6,000.00. (Funded: August 31, 2023 - June 1, 2024). Grant.
The CAA Undergraduate Research Learning Communities Grant_Zhu letter-1.pdf

Koh, Gar Yee (Co-Principal), Percent Contribution: 33.3%, Zhu, Jie (Co-Principal), Percent Contribution: 33.3%, Salcedo Price, Ramona (Co-Principal), Percent Contribution: 33.3%. Supporting Undergraduates in Research to Gain Experience (SURGE) 2022, College of Applied Arts, Texas State University, $6,000.00. (Funded: August 12, 2022 - June 1, 2023). Grant.
CAA Undergrad Research Learning Communities Grant-SURGE 2022_Koh Zhu Price-1.pdf

Koh, Gar Yee (Co-Principal), Percent Contribution: 33.3%, Zhu, Jie (Co-Principal), Percent Contribution: 33.3%, Salcedo-Price, Ramona (Co-Principal), Percent Contribution: 33.3%. Supporting Undergraduates in Research to Gain Experience (SURGE) 2021, College of Applied Arts, Texas

State University, $6,000.00. (Submitted: June 16, 2021, Funded: August 1, 2021 - June 30, 2022). Grant.
CAA Undergrad Research Learning Communities Grant 2021_ JZ_GYK_MSP-1.pdf

Zhu, Jie (Principal). Exploration and Practice of Improving the Quality of Bilingual Teaching for Undergraduates Majoring in Nutrition through Problem-based Learning, The Education Research Project, Shanghai Jiao Tong University School of Medicine, Shanghai, China, Institutional (Higher Ed). (Funded: September 1, 2014 - August 31, 2015). Grant.

F. Other:

Guest Lecture, The seminar course for graduate students: Developmental origins of health and disease, Wuhan Univeristy. Wuhan, China. (November 9, 2023).

Additional Comments: Topic: Early Life Nutrition and The Origin of Metabolic Diseases

Guest Lecture, MPH class (PUBH 5399 Epidemiology Capstone), Baylor University. Waco, TX, United States. (January 28, 2021).
Thank You Letter_Dr. Zhu-1.pdf
Additional Comments: Topic: Intakes of Folate, Vitamin B6, and Vitamin B12 in Relation to Diabetes Incidence among American Young Adults: A 30-year Follow-up Study

Guest Lecture, US1100 University Seminar, Texas State University. San Marcos, TX, United States. (November 3, 2020).

Additional Comments: Topic: Healthy Food Choice

Guest Lecture, US1100 University Seminar, Texas State University. (November 11, 2019).

Additional Comments: Topic: Healthy Food Choice

Student Accomplishments:

Award:

Mentor, 2024 School of Family and Consumer Science Outstanding Graduate Student. (April 24, 2024). School of Family and Consumer Science, Texas State University.
Student(s): Gujana Saikia, Graduate, MS.

Supervisor, Spring 2023 Undergraduate Research Fellowship. "Effect of Maternal Methyl-Donor Nutrients Supplementation During Pregnancy and Lactation on the Risk of Hepatic Lipid Disorders Among Offspring." Status: Completed. (December 31, 2023). Texas State University.
Student(s): Francesca Khurana, Undergraduate, B.S.
Spring 2023 Undergraduate Research Fellowship_Francesca Khurana-1.pdf

Presentation:

Supervisor, Poster Presentation. "Effect of maternal methyl-donor nutrients supplementation to a high-fat, high-sucrose diet during pregnancy and lactation on the risk of glycolipid disorders among offspring," NUTRITION 2024 American Society for Nutrition Annual Flagship Conference, Chicago. Status: In Progress. (June 30, 2024).
Student(s): Ryan Patterson.

Supervisor, Poster Presentation. "Serum Methyl-Donor Nutrient Status in Relation to the Risk of Gestational Diabetes Mellitus.," 2023 American Society for Nutrition Annual Conference, Boston. Status: Completed. (June 23, 2023).
Student(s): Gunjana Saikia, Graduate, M.S.

Supervisor, Oral Presentation. "Choline and Betaine Intakes during Pregnancy in Relation to Risk of Gestational Diabetes Mellitus among Chinese Women," 2022 American Society for Nutrition Annual Conference. Status: Completed. (June 15, 2022). School of Family and Consumer Sciences, Texas State University.
Student(s): Kallie Lamkin, Graduate, MS.

G. Teaching Professional Development Activities Attended

Workshop, "Top Hat: 10 Things You Didn't Know You Could Do with Top Hat," Texas State Univerisy. (October 4, 2023).

Workshop, "Successfully Supervising Graduate Students' Theses and Dissertations," Texas State University. (March 1, 2022).

Workshop, "Choose Your Own Adventure: Customizable Learning Paths in Canvas," Texas State University, San Marcos, TX, United States. (August 13, 2020).

Workshop, "Integrate Multimedia that Matters in Canvas, August," Texas State University, San Marcos, TX, United States. (August 13, 2020).

Workshop, "Teaching Online @ TxState - Online Teaching Certification," Texas State University, San Marcos, TX, United States. (August 13, 2020).
Zhu Jie Completion Certificate__TOTS_2020-1.pdf

Workshop, "Use Canvas Modules to Design Meaningful Learning Experiences," Texas State University, San Marcos, TX, United States. (August 13, 2020).

Workshop, "Connect and Engage for Student Success in Canvas," Texas State University, San Marcos, TX, United States. (August 11, 2020).

Workshop, "STEP session 4: Building an Inclusive Educational Environment for Studentts," Faculty Development Office. (January 24, 2020).

Institute, "New Faculty Orientation-TRACKS," IT Assistance Center. (August 19, 2019).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

c. Edited Books:

Non-refereed:

Zhu, J. (2019). *Smart Eating*. Nanjin, China: Jiangsu Phoenix Science and Technology Press.
Smart Eating_Dr. Jie Zhu-1.jpg
Additional Comments: Dr. Zhu is the editor-in-chief of this book: 75% effort; Drafting the book, critical revision for the important intellectual content, and submission to the publisher. This book was published in Chinese.

d. Chapters in Books:

Refereed:

Zhu, J. (2014). Chapter 6: Protein Metabolism and Function in Newborns. In Shengmei Wu. Publisher (Ed.), *Nutrition of the Newborn*. Beijing, China: People’s Medical Publishing House.

2. Articles:

a. Refereed Journal Articles:

Zhu, J., Shen, X., Liu, Y., Yang, K., Wu, H., Lingpeng Lu, L., … Zhu, J. (2025). Associations of serum choline, betaine and trimethylamine N-oxide with gestational diabetes mellitus among Chinese pregnant women. *BMJ Nutrition, Prevention, & Health*, *8*. Published. https://doi.org/10.1136/bmjnph-2024-001111 https://nutrition.bmj.com/content/8/1/229

Associations of serum choline betaine and trimethylamine N-oxide with gestational diabetes mellitus among Chinese pregnant women-1.pdf

Additional Comments: Contributions and effort are as follows.*Indicates student author.
*Saikia, G.: 25%, Investigation, Formal analysis, Data curation, Writing – original draft.
Shen, Xiaoxi.: 8%, Investigation, Formal analysis, Data curation.
Liu, Y.: 2% Investigation.
Yang, K.: 2% Investigation.
Wu, H.: 2% Investigation.
Lu, L.: 2% Investigation.
Johnson, C.M.: 8%, Investigation, Critical revision of the manuscript.
Butler, L.: 8%, Investigation, Critical revision of the manuscript
Jia, J.: 18%, Conceptualization, Data analysis, Writing – review & editing, Visualization, Resources, Funding acquisition.
Zhu, J.: 25%, Conceptualization, Data analysis, Writing – review & editing, Visualization, Resources, Funding acquisition, Project administration, Supervision.

Ding, T., Liu, P., Jia, J., Wu, H., Zhu, J., & Yang, K. (2024). Application of machine learning algorithm incorporating dietary intake in prediction of gestational diabetes mellitus. *Endocrine Connections*. Published. https://doi.org/https://doi.org/10.1530/EC-24-0169 https://ec.bioscientifica.com/view/journals/ec/aop/ec-24-0169/ec-24-0169.xml

Application of machine learning algorithm incorporating dietary intake in prediction of gestational diabetes mellitus-1.pdf

Additional Comments: Impact factor (2023): 2.6.
Contributions and effort are as follows. *Indicates student author.
*Ding, T.: 30%, Investigation, Formal analysis, Data curation, Writing – original draft.
*Liu, P.: 5%, Investigation.
Jia, J.: 3%, Investigation.
Wu, H.: 2%, Investigation.
Zhu, J.: 30%, Study design, Data management, Results interpretation, and Manuscript drafting.
Yang, K.: 30%, Study design, Data management, Results interpretation, and Manuscript drafting.
Dr. Zhu as a co-corresponding author worked with Dr. Yang on mentoring the undergraduate students majoring in Nutrition to conduct this study.

Lamkin, K., Xu, L., Wang, K., Liu, Y., Yang, K., Wu, H., … Zhu, J. (2024). Choline and Betaine Intakes during Pregnancy in Relation to Risk of Gestational Diabetes Mellitus among Chinese Women. *British Journal of Nutrition*. Published.

Choline and betaine intakes during pregnancy in relation to risk of gestational diabetes mellitus among Chinese women-1.pdf

Additional Comments: Contributions and effort are as follows.
*Indicates student author.
*Lamkin, K.: 30%, Investigation, Formal analysis, Data curation, Writing – original draft.
Xu, L.: 10%, Investigation, Formal analysis, Data curation.
Wang, K.: 2% Investigation.
Liu, Y.: 2% Investigation.
Yang, K.: 2% Investigation.
Wu, H.: 2% Investigation.
Lu, L.: 2% Investigation.
Shen, X.: 5%, Data analysis, Revision of the manuscript.
Johnson, CM: 5% Critical revision of the manuscript.
Jia, J.: 10%, Data analysis, Critical revision of the manuscript.
Zhu, J. 30%, Conceptualization, Writing – review & editing, Visualization, Resources, Funding acquisition, Project administration, Supervision.

Zhu, J., Saikia, G., Zhang, X., Shen, X., & Kahe, K. (2024). One-carbon Metabolism Nutrients, Genetic Variation, and Diabetes Mellitus. *DIABETES METAB J*. Published.

One-carbon Metabolism Nutrients Genetic Variation and Diabetes Mellitus_A_dmj_20230326_0-1.pdf
Additional Comments: Impact factor (2023): 6.8.
Contributions and effort are as follows. *Indicates student author.
Zhu, J.: 50%, Conceptualization, interpretation of data, Writing – original draft, and critical revision of the manuscript for important intellectual content.
*Saikia, G.: 18%, Writing – original draft, drawing one carbon metabolism pathway, and formatting Table 1 under Dr. Zhu's supervision.
Zhang, X.: 2%, Critical revision of the manuscript.
Shen, X.: 15%, Critical revision of the manuscript.
Kahe, K.: 15%, Conceptualization, Critical revision of the manuscript.

Farber, C. M., Renteria, K., Ritter, J., Muraida, J., Rivers, C., McKenzie, A. L., … Lane, M. A. (2023). Comparison of maternal versus postweaning ingestion of a high fat, high sucrose diet on depression-related behavior, novelty reactivity, and corticosterone levels in young, adult rat offspring. *Behavioural Brain Research*, *455*, 114677.
https://doi.org/https://doi.org/10.1016/j.bbr.2023.114677
https://www.sciencedirect.com/science/article/pii/S0166432823003959?via%3Dihub

Farber et al v1 2023 published MS-1.pdf

Additional Comments: **Contributions and effort are as follows. *Indicates student author.**

*Christopher Faber: 35%, Investigation, Formal analysis, Data curation, Writing – original draft, Visualization.
*Karisa Renteria: 5%, Investigation.
*Jordan Ritter: 5% Investigation.
*JD Muraida: 2% investigation.
*Carley Rivers: 2%, Investigation.
*Avery McKenzie: 1% Writing – review & editing.
Jie Zhu: 5% Conceptualization, Writing – review & editing, Resources, Funding acquisition.
Gar Yee Koh: 5%, Conceptualization, Writing – review & editing, Resources, Funding acquisition.
Michelle A. Lane: 40%, Conceptualization, Formal analysis, Writing – original draft, Writing – review & editing, Visualization, Resources, Funding acquisition, Project administration, Supervision.

Zhu, J., Chen, C., Lu, L., Shikany, J., D'Alton, M. E., & Kahe, K. (2023). Folate, vitamin B6, and vitamin B12 status in association to metabolic syndrome incidence. *JAMA Network Open*, *6*(1), e2250621. https://doi.org/doi:10.1001/jamanetworkopen.2022.50621 Impact factor(2023): 13.8

Folate Vitamin B6 and Vitamin B12 Status in Association With Metabolic Syndrome Incidence-1.pdf

Additional Comments: Impact factor (2023): 13.8. JAMA Network Open is one of the leading open access general medical journals in the world. The findings of this study have been reported by several professional media worldwide.
Contributions and effort are as follows.
Zhu, J.: 75%, Conceptualization, Acquisition, Data analysis, Interpretation of data, Drafting of the manuscript, Critical revision of the manuscript for important intellectual content.
Chen, C.: 6%, Data analysis, Critical revision of the manuscript.
Lu, L.: 6%, Data analysis, Critical revision of the manuscript.
Shikany, J.: 2%, Critical revision of the manuscript.
D'Alton, M. E.: 1%, Data analysis, Critical revision of the manuscript.
Kahe, K.: 10%, Conceptualization, Critical revision of the manuscript.

Teoh, C. M., Cooper, A., Renteria, K., Lane, M., Zhu, J., & Koh, G. Y. (2022). Supplementation of methyl-donor nutrients to a high-fat, high-sucrose diet during pregnancy and lactation normalizes circulating 25-dihydroxycholecalciferol levels and alleviates inflammation in offspring. *Metabolites*, *12*(12), 1252. https://doi.org/10.3390/metabo12121252

2022_Metabolites_Supplementation of MS to a HFS diets during pregnancy and lactation normalize vitamin D status-1.pdf

Additional Comments: Impact Factor: 5.581.
Contributions and effort are as follows. *Indicates student author.
*CMT - 20%, Investigation, formal Analysis, Writing - original draft

*AC - 15%, Investigation, formal Analysis
*KMR - 5%, Investigation
ML - 5%, Conceptualization, Investigation, Funding acquisition, Writing - review and editing
JZ - 5%, Conceptualization, Investigation, Funding acquisition, Writing - review and editing
GYK - 50%, Conceptualization, Investigation, Writing - review and editing, Supervision, Validation, Funding acquisition

Yang, K., Chen, C., Yang, Q., Shen, X., Jiang, L., Ma, R., … Ka, K. (2022). Combined association of early exposure to long-chain n-3 polyunsaturated fatty acids, mercury and selenium with cognitive performance in 1-year-old infants. *Environ Res.*, Combined association of early exposure to long–chain n–3 polyunsaturated fatty acids, mercury and selenium with cognitive performance in 1–year–old infants. https://doi.org/10.1016/j.envres.2021.112186 Impact factor (2021): 5.715

Combined association of early exposure to n-3 polyunsaturated fatty acids mercury and selenium with cognitive performance-1.pdf

Additional Comments: Impact factor (2022): 8.3.
Contributions and effort are as follows.
Yang, K.,: 20%, Investigation, Formal analysis, Data curation, Writing – original draft.
Chen, C.: 10%, Investigation, Critical revision of the manuscript.
Yang, Q.: 10%, Investigation, Critical revision of the manuscript.
Shen, X.: 10%, Investigation, Critical revision of the manuscript.
Jiang, L.: 10%, Investigation, Critical revision of the manuscript.
Ma, R.: 10%, Investigation, Critical revision of the manuscript.
Lu, L.: 10%, Investigation, Critical revision of the manuscript.
Zhu, J.: 10%, Conducted literature search and review, Critical revision of the manuscript.
Ying, T.: 2%, Investigation.
Cai, W.: 2%, Investigation.
D'Alton, M. E.: 2%, Critical revision of the manuscript.
Zhang, J.: 2%, Investigation.
Ka, K.: 2%, Critical revision of the manuscript.

Zhu, J., Xun, P. C., Kolencik, M., Fly, A. D., Yang, K. F., & He, K. (2022). Do B vitamins enhance the effect of omega-3 polyunsaturated fatty acids on cardiovascular diseases? A systematic review of clinical trials. *Nutrients*, *14*, 1608. https://doi.org/doi.org/10.3390/nu14081608 Impact factor (2021): 5.717

Additional Comments: Impact factor (2022): 5.9.
Contributions and effort are as follows. *Indicates student author.
Zhu, J.: 65%, Conceptualization, Conducted literature search and review, Performed study selection and data extraction, Writing – original draft, Critically reviewed the manuscript for important intellectual content, and supervised a graduate student (KM).
Xun, P.: 10%, Conducted literature search and review, Critical revision of the manuscript.

*Kolencik, M.: 10%, Conducted literature search and review, Writing – original draft.
Fly, A. D.: 3%, Critical revision of the manuscript.
Yang, K. F.: 2%, Critical revision of the manuscript.
Kahe, K.: 10%, Conceptualization, Critical revision of the manuscript.

Bishop, N., & Zhu, J. (2022). A Prospective Cohort Study of Racial/Ethnic Variation in the Association between Change in Cystatin C and Dietary Quality in Older Americans. *Br J Nutr*, *129*(2), 1–12. https://doi.org/doi: 10.1017/S0007114522001040. Impact factor (2022): 4.125

A Prospective Cohort Study of Racial Ethnic Variation in the Association between Change in Cystatin C and Dietary Quality-1.pdf

Additional Comments: Impact factor (2021): 3.6
Contributions and effort are as follows.
Bishop, N.: 55%, Designed the study, Investigation, Formal analysis, Data curation, Writing – original draft.
Zhu, J.: 45%, Designed the study, Interpreted the results, Drafted part of the manuscript, Critically revised the manuscript.

Lu, L., Chen, C., Zhu, J., Tang, W., Jacobs, D. R., Shikany, J. M., & Kahe, K. (2021). Calcium Intake Is Inversely Related to Risk of Obesity among American Young Adults over a 30-Year Follow-Up. *J Nutr.*, *151*(8), 2383–2389. https://doi.org/10.1093/jn/nxab114 Impact factor (2021): 4.798

Calcium Intake Is Inversely Related to Risk of Obesity among American Young Adults over a 30-Year Follow-Up-1.pdf

Additional Comments: Impact factor (2021): 4.687.
Contributions and effort are as follows.
Lu, L.: 40%, Conceptualization, Investigation, Formal analysis, Data curation, Writing – original draft.
Chen, C.: 15%, Investigation, Formal analysis, Writing – original draft.
Zhu, J.: 15%, Investigation, Writing – original draft, Critical revision of the manuscript..
Tang, W.: 5%, Critical revision of the manuscript.
Jacobs, D.R.: 5%, Critical revision of the manuscript.
Shikany, J.M.: 5%, Critical revision of the manuscript.
Kahe, K.: 15%, Conceptualization, Critical revision of the manuscript.

Zhu, J., Liu, Y.-H., He, X.-L., Kohlmeier, M., Zhou, L.-L., Shen, L.-W., … Wang, B. (2021). Dietary Choline Intake during Pregnancy and PEMT rs7946 Polymorphism on Risk of Preterm Birth: A Case-control Study. *Ann Nutr Metab.*, *76*(6), 431–440. https://doi.org/10.1159/000507472 Impact factor (2020): 3.374

Dietary Choline Intake during Pregnancy and PEMT rs7946 Polymorphism on Risk of Preterm Birth A Case-Control Study.-1.pdf

Additional Comments: Impact factor (2021): 5.923.
Contributions and effort are as follows. *Indicates student author.
Zhu, J.: 70%, Conceptualization, Conducted literature search and review, Performed study selection and data extraction, Writing – original draft, Critically reviewed the manuscript for important intellectual content, and

supervised undergraduate students (HXL, YXX).
Liu, Y.-H.: 5%, Investigation.
*He, X.-L.:: 5%, Investigation.
Kohlmeier, M.: 3%, Critical revision of the manuscript.
Zhou, L.-L.: 2%, Investigation.
Shen, L.-W.: 2%, Investigation.
*Yi, X.-x.: 1%, Investigation.
Tang, Q.-Y.: 1%, Investigation.
Cai, W.: 1%, Investigation.
Wang, B.: 10%, Conceptualization, Critical revision of the manuscript.

Zhu, J., Chen, C., Lu, L., Yang, K., Reis, J., & He, K. (2020). Intakes of Folate, Vitamin B6, and Vitamin B12 in Relation to Diabetes Incidence among American Young Adults: A 30-year Follow-up Study. *Diabetes Care*, *43*(10), 2426–2434. https://doi.org/doi.org/10.2337/dc20-0828 Impact factor (2020): 19.112

Intakes of B vitamins and Diabetes Incidence among American Young Adults _ A 30-year Follow-up Study-1.pdf
Additional Comments: Impact factor (2020): 19.112. Diabetes Care is the highest-ranked peer-reviewed journal in the field of diabetes treatment and prevention. The findings of this study have been reported by several professional medias.
Contributions and effort are as follows.
Zhu, J.: 70%, Acquisition, analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript for important intellectual content.
Chen, C.: 15%, Investigation, Formal analysis, Writing – original draft.
Lu, L.: 2%, Investigation.
Yang, K.: 2%, Investigation.
Reis, J.: 1%, Investigation.
He, K.: 10%, Conceptualization, Critical revision of the manuscript.

Hou, J., Wan, X., Shen, Q., Zhu, J., Leng, Y., Zhao, B., … Wu, Y. (2020). COVID-19 infection, a potential threat to surgical patients and staff? A retrospective cohort study. *Int J Surg*, (82), 172–178. https://doi.org/doi: 10.1016/j.ijsu.2020.08.037.

COVID-19 infection a potential threat to surgical patients and staff A retrospective cohort study-2.pdf
Additional Comments: Impact factor (2020): 6.071.
Contributions and effort are as follows.
Hou, J.: 50%, Conceptualization, Investigation, Formal analysis, Data curation, Writing – original draft.
Wan, X.: 10%, Investigation, Formal analysis, Writing – original draft.
Shen, Q.: 10%, Investigation, Formal analysis, Writing – original draft.
Zhu, J.: 5%, Conceptualization, Critical revision of the manuscript.
Leng, Y.: 3%, Investigation.
Zhao, B.: 3%, Investigation.
Xia, Z.: 2%, Investigation.

He, Y.: 2%, Investigation.
Wu, Y.: 15%, Conceptualization, Critical revision of the manuscript.

Wu, K., Zhu, J., Zhou, L., Shen, L., Gao, R., Lou, Z., … Wang, B. (2020). Lactational changes of fatty acids and fat-soluble antioxidants in human milk from healthy Chinese mothers. *Br J Nutr*. Published. https://doi.org/10.1017/S0007114520000239. Impact factor (2020): 3.718

Lactational changes of fatty acids and fat-soluble antioxidants in human milk_JZ-1.pdf

Additional Comments: Impact factor (2020): 3.718;
Contributions and effort are as follows. *Indicates student author.
*Wu, K.: 35%, Conceptualization, Investigation, Formal analysis, Data curation, Writing – original draft.
Zhu, J.: 35%, Conceptualization, Results interpretation, Drafting part of the manuscript, Critical revision of the manuscript, Supervision.
Zhou, L.: 3% Investigation.
Shen, L.: 3% Investigation.
Gao, R.: 2% Investigation.
Lou, Z.: 2% Investigation.
Cai, M.: 10%, Conceptualization, Critical revision of the manuscript.
Wang, B.: 10%, Conceptualization, Critical revision of the manuscript.

Yang, K., Zhu, J., Wu, J., Zhong, Y., Shen, X., Petrov, B., & Cai, W. (2020). Maternal Vitamin D Deficiency Increases Intestinal Permeability and Programs Wnt/β Catenin Pathway in BALB/C Mice. *JPEN J Parenter Enteral Nutr.* Published. https://doi.org/10.1002/jpen.1820. Impact factor (2020): 4.016

Maternal Vitamin D Deficiency Increases Intestinal Permeability and Programs Wntß-catenin Pathway in BALBC Mice.-1.pdf

Additional Comments: Impact factor (2020): 4.016
Contributions and effort are as follows.
Yang, K.: 35%, Designing the study, Investigation, Formal analysis, Data curation, Writing – original draft.
Zhu, J.: 35%, Designing the study, interpreting the results, drafting part of the manuscript, and critically revising the manuscript.
Wu, J.: 5% Investigation.
Zhong, Y.: 5% Investigation.
Shen, X.: 5% Investigation.
Petrov, B.: 5% Investigation.
Cai, W.: 10%, Conceptualization, Critical revision of the manuscript.

Lu, L., Chen, C., Yang, K., Zhu, J., Xun, P., Shikany, J. M., & He, K. (2020). Magnesium intake is inversely associated with risk of obesity in a 30-year prospective follow-up study among American young adults. *Eur J Nutr*. Published. https://doi.org/10.1007/s00394-020-02206-3. Impact factor (2020): 5.614

Magnesium intake is inversely associated with risk of obesity in a 30-year prospective follow-up study among American young adults-1.pdf

Additional Comments: Impact factor (2020): 5.614 .
Contributions and effort are as follows.
Lu, L.: 35%, Conceptualization, Investigation, Formal analysis, Data curation, Writing – original draft.
Chen, C.: 15%, Investigation, Formal analysis, Writing – original draft.
Yang, K.: 15%, Investigation, Formal analysis, Writing – original draft.
Zhu, J.: 15%, Investigation, Writing – original draft, Critical revision of the manuscript.
Xun, P.: 5%, Critical revision of the manuscript.
Shikany, J.M.: 5%, Critical revision of the manuscript.
Kahe, K.: 10%, Conceptualization, Critical revision of the manuscript.

Zhu, J., Xun, P., Bae, J. C., Kim, J. H., Kim, D. J., Yang, K., & He, K. (2019). Circulating calcium levels and the risk of type 2 diabetes: a systematic review and meta-analysis. *Br J Nutr*, *122*(4), 376–387. https://doi.org/10.1017/S0007114519001430 Impact factor (2019): 3.334

Circulating calcium levels and the risk of type 2 diabetes _ a systematic review 2 and meta-analysis-1.pdf

Additional Comments: Impact factor (2019): 3.334.
Contributions and effort are as follows.
Zhu, J.: 60%, Conceptualization, Conducting literature search and review, Performing study selection and data extraction, Drafting the manuscript, Critically reviewing the manuscript.
Xun, P.,: 10%, Investigation, Formal analysis, Critically reviewing the manuscript.
Bae, J. C.: 5%, Critical revision of the manuscript.
Kim, J. H.▫ 5%, Critical revision of the manuscript.
Kim, D. J.▫ 5%, Critical revision of the manuscript.
Yang, K.▫ 5%, Critical revision of the manuscript.
He, K.▫ 10%, Conceptualization, Critical revision of the manuscript.

Yang, K., Xun, P., Carnethon, M., Carson, A. P., Lu, L., Zhu, J., & He, K. (2019). Low to moderate toenail arsenic levels in young adulthood and incidence of diabetes later in life: findings from the CARDIA Trace Element study. *Environ Res*, 321–327. https://doi.org/10.1016/j.envres.2019.01.035. Impact factor (2018): 5.026

Toenail arsenic levels in young adulthood and incidence of diabetes later in life findings from the CARDIA Trace Element study.-1.pdf

Yan, J. K., Zhu, J., Gong, Z. Z., Xiao, Y. T., & Cai, W. (2018). Supplementary Choline Attenuates Olive Oil Lipid Emulsion-induced Enterocyte Apoptosis through Suppression of CELF1/AIF Pathway. *J Cell Mol Med*, 1532–1573. https://doi.org/10.1111/jcmm.13430.

Supplementary Choline Attenuates Olive Oil Lipid Emulsion-induced Enterocyte Apoptosis through Suppression of CELF1AIF Pathway-1.pdf

Zhu, J., Lu, T., Chen, F., Yan, J., Chen, F., Zhang, Q., … Cai, W. (2018). Choline Protects against Intestinal Failure-associated Liver Disease in Parenteral

Nutrition-Fed Immature Rats. Published. https://doi.org/10.1177/0148607116677048.
Choline Protects Against Intestinal Failure-Associated Liver Disease in Parenteral Nutrition-Fed Immature Rats.-1.pdf

Wang, B., Shen, L. W., Zhou, L. L., Wu, K., Zhang, Y. H., Cai, W., … Zhu, J. (2017). Association of Choline Intake during Pregnancy and Choline Metabolism in Parturients and Infants. *Chin J Perinat Med.*, 781–787.
Association of Choline Intake during Pregnancy and Choline Metabolism in Parturients and Infants-1.pdf
Additional Comments: Dr. Zhu is the corresponding author of this study.

Gao, R. Y., Wu, K., Zhu, J., & Cai, M. Q. (2017). Study on the phospholipid composition of human milk at different lactation stages. *Journal of Shanghai Jiao Tong University (Medical Science).*, 1151–1155.
Study on the phospholipid composition of human milk at different lactation stages-1.pdf

Wu, Y., Xia, Z. Y., Zhao, B., Leng, Y., Dou, J., Meng, Q. Y., … Zhu, J. (2017). (-)-Epigallocatechin-3-gallate Attenuates Myocardial Injury Induced by Ischemia/reperfusion under Hyperglycemic Conditions in Diabetic Rats and in H9c2 cells. *Int J Mol Med*, 389–399.
EGCG Attenuates Myocardial Injury Induced by Ischemia reperfusion under Hyperglycemic Conditions in Diabetic Rats and in H9c2 cells.-1.pdf
Additional Comments: Dr. Zhu is the corresponding author of this study.

Yan, J. K., Zhu, J., Gu, B. L., Yan, W. H., Xiao, Y. T., Zhou, K. J., … Cai, W. (2016). Soybean Oil-Based Lipid Emulsion Increases Intestinal Permeability of Lipopolysaccharide in Caco-2 Cells by Downregulation of P-Glycoprotein via ERK-FOXO 3a Pathway. *Cell Physiol Biochem*, *39*(4), 1581–1594.
Soybean Oil-Based Lipid Emulsion Increases Intestinal Permeability of Lipopolysaccharide in Caco-2 Cells-1.pdf

Zhu, J., Wu, Y., Guo, Y., Tang, Q., Lu, T., Cai, W., & Huang, H. (2016). Choline Alleviates Parenteral Nutrition-Associated Duodenal Motility Disorder in Infant Rats. *JPEN J Parenter Enteral Nutr*, 995–1005. https://doi.org/10.1177/0148607115583674.
Choline Alleviates Parenteral Nutrition–Associated Duodenal Motility Disorder in Infant Rats-1.pdf

Yu, T. X., Gu, B. L., Yan, J. K., Zhu, J., Yan, W. H., Chen, J., … Cai, W. (2016). CUGBP1 and HuR Regulate E-cadherin Translation by Altering Recruitment of E-cadherin mRNA to Processing Bodies and Modulate Epithelial Barrier Function. *Am J Physiol Cell Physiol*, 54–65. https://doi.org/10.1152/ajpcell.00112.2015.
CUGBP1 and HuR Regulate E-cadherin Translation by Altering Recruitment of E-cadherin mRNA-1.pdf

Lu, T., Chen, F., Zhang, Q. S., Wang, J. F., Chen, F., & Zhu, J. (2015). Investigation of Nutrition Knowledge, Attitude, and Behaviors of Medical Students with Non-nutrition Majors in Shanghai. *Journal of Shanghai Jiao Tong University (Medical Science)*, 1238–1242.

Additional Comments: Dr. Zhu is the corresponding author of this study.

Zhu, J., Wu, Y., Tang, Q., Leng, Y., & Cai, W. (2014). Effects of Choline on Hepatic Lipid Metabolism, Mitochondrial Function and Antioxidative Status in Human Hepatic C3A Cells Exposed to Excessive Energy Substrates. *Nutrients*, 2552–2571. https://doi.org/10.3390/nu6072552.
Choline on Hepatic Lipid MetabolismMitochondrial Function and Antioxidative Status in Human Hepatic C3A Cells-1.pdf

Zhu, J., Wu, L., Kohlmeier, M., Ye, F., & Cai, W. (2013). Association between MTHFR C677T, MTHFR A1298C and MS A2756G Polymorphisms and Risk of Cervical Intraepithelial Neoplasia II/III and Cervical Cancer: a Meta-analysis. *Mol Med Rep*, 919–927. https://doi.org/10.3892/mmr.2013.1589.
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Wu, Y., Xia, Z. Y., Meng, Q. T., Zhu, J., Lei, S., Xu, J., & Dou, J. (2011). Shen-Fu Injection Preconditioning Inhibits Myocardial Ischemia-Reperfusion Injury in Diabetic Rats: Activation of eNOS via the PI3K/Akt Pathway. *J Biomed Biotechnol*. Published. https://doi.org/10.1155/2011/384627.
Shen-Fu Injection Preconditioning Inhibits Myocardial Ischemia-Reperfusion Injury in Diabetic Rats-1.pdf

Zhu, J., Luo, H. S., Chen, L., Liang, C. B., & Xia, H. (2011). Effects of Cholecystokinin Octapeptide on the Contractile Activity of Guinea-pig Colonic Smooth Muscles, L-type Calcium Currents and Membrane Potentials of Myocytes. *Zhonghua Yi Xue Za Zhi*, 840–844.
Cholecystokinin Octapeptide on the Contractile Activity of Guinea-pig Colonic Smooth Muscles L-type Calcium Currents-1.pdf

Chen, L., Luo, H. S., Zhu, J., & Tan, W. (2011). The Effect of Cholecystokinin on Proximal Colon Myocyte in Guinea-Pigs and Its Mechanism. *Zhonghua Xiao Hua Za Zhi*, 178–181.
The Effect of Cholecystokinin on Proximal Colon Myocyte in Guinea-Pigs and Its Mechanism-1.pdf

Zhu, J., Chen, L., Xia, H., & Luo, H. S. (2010). Mechanisms Mediating CCK-8S-induced Contraction of Proximal Colon in Guinea Pigs. *World J Gastroenterol*, 1076–1085. https://doi.org/10.3748/wjg.v16.i9.1076.

Zhu, J., Luo, H. S., Chen, L., & Zhou, T. (2009). Altered Expression of L-type Calcium Channel α1C and α1D Subunits in Colon of Rats with Diarrhea-predominant Irritable Bowel Syndrome. *Zhonghua Yi Xue Za Zhi*, 2713–2717.

Altered Expression of L-type Calcium Channel α1C and α1D Subunits in Colon of Rats with Diarrhea-predominant Irritable Bowel Syndrome-1.pdf

b. Non-refereed Articles:

Wang, K., Jiang, L., Zhu, J., & Manson, S. M. (2025). Depressive Disorders, Bad Mental Health Days, and Diabetes Management Behaviors Among Non-Hispanic American IndianAlaska Native Adults Findings from the Behavioral Risk Factor Surveillance System. *PLoS One*. Published.

Wang, K., Sun, F., Zhang, P., De Fries, C. M., Li, X., Zhu, J., & To, M. N. (2025). Culturally Tailored Community Brain Health Education for Chinese Americans Aged 50 or Above: A Mixed-Methods Open Pilot Study. *Geriatrics*. Published.

Culturally Tailored Community Brain Health Education for Chinese Americans Aged 50 or Above A Mixed-Methods Open Pilot Study-1.pdf

4. Abstracts:

Wang, K., Fries, C. D., Li, X., Sun, F., & Zhu, J. (2024). AN OPEN PILOT STUDY OF A COMMUNITY-ENGAGED BRAIN HEALTH EDUCATION PROGRAM FOR CHINESE AMERICANS AGED 50 OR ABOVE. *Innovation in Aging*. Published. https://doi.org/10.1093/geroni/igae098.4118

https://academic.oup.com/innovateage/article/8/Supplement_1/1288/7939905

AN OPEN PILOT STUDY OF A COMMUNITY-ENGAGED BRAIN HEALTH EDUCATION PROGRAM FOR CHINESE AMERICANS AGED 50 OR ABOVE-1.pdf

Additional Comments: Impact factor (2024): 4.9.

Contributions and effort are as follows. *Indicates student author.
Kaipeng Wang: 60%, Study design, Investigation, Formal analysis, Data curation, Writing original draft.
*Carson De Fries: 10%, Investigation, Results interpretation, and Abstract drafting.
*Xiaoyouxiang Li: 10%, Investigation, Results interpretation, and Abstract drafting.
Fei Sun: 10%, Investigation, Results interpretation, and Abstract reviewing.
Jie Zhu: 10%, Study design, Investigation, Results interpretation, and abstract reviewing.

Saikia, G., & Zhu, J. (2023). Serum Methyl-Donor Nutrient Status in Relation to the Risk of Gestational Diabetes Mellitus. *Current Developments in Nutrition*, *7*(Suppl1), 101041. https://doi.org/https://doi.org/10.1016/j.cdnut.2023.101041

Serum Methyl-Donor Nutrient Status in Relation to the Risk of Gestational Diabetes Mellitus_ASN 2023-1.pdf

Cooper, A., Teoh, C. M., Renteria, K., Lane, M. A., Zhu, J., & Koh, G. Y. (2023). Colonic content from offspring born to dams of high-fat high-sucrose diet modulates IL-8 secretion in Lipopolysaccharide-stimulated HT-29 cells. Published.

Cooper_Colonic content from offspring born to dams of HFHS diet modulates IL-8 secretion-1.pdf
Additional Comments: Abstract accepted by NUTRITION 2023 Conference, sponsored by American Society for Nutrition, on April 3, 2023 and published on July 2023.

Teoh, C. M., Cooper, A., Lane, M. A., Zhu, J., & Koh, G. Y. (2023). Maternal methyl donor nutrients supplementation to a high-fat high-sucrose diet modulates systemic vitamin D signaling and renal inflammation among adult offspring. *Current Developments in Nutrition*, *7*(Supp 1), 752.
Teoh_Maternal methyl donor nutrients supplementation and renal inflammation-1.pdf
Additional Comments: Abstract accepted by NUTRITION 2023 Conference, sponsored by American Society for Nutrition, on April 3, 2023 and published on July 2023.

Lamkin, K., Zhu, J., Liu, Y., Yang, K., Jia, J., Wu, H., … Xu, L. (2022). Choline and Betaine Intakes During Pregnancy in Relation to Risk of Gestational Diabetes Mellitus Among Chinese Women. *Current Developments in Nutrition*, *6*(Suppl 1), 681. https://doi.org/https://doi.org/10.1093/cdn/nzac061.065
Choline and Betaine Intakes During Pregnancy in Relation to Risk of Gestational Diabetes Mellitus Among Chinese Women_ASN 2022-1.pdf

Teoh, C. M., Renteria, K., Cooper, A., Zhu, J., Lane, M., & Koh, G. Y. (2022). Supplementation of a high-fat high-sucrose diet with methyl-donor nutrients during pregnancy and lactation modulates the colonic vitamin D signaling pathway in weaned rats. *Current Developments in Nutrition*, *6*(1), 1195. https://doi.org/https://doi.org/10.1093/cdn/nzac074.024
Teoh_Supplementation of HFHS diet with MS Nutrients during pregnancy and lactation modulates colonic vitamin D signaling-1.pdf
Additional Comments: Abstract accepted by NUTRITION 2022 Conference (online), sponsored by American Society for Nutrition, on April 11, 2022 and published on June 14, 2022.

Bishop, N., & Zhu, J. (2021). Investigating Racial/Ethnic Disparities in the Association Between AHEI-2010 and Change in Cystatin C in a Representative Sample of Older Americans. *Current Developments in Nutrition*, *5*(Suppl 2), 1015. https://doi.org/https://doi.org/10.1093/cdn/nzab053_008
Investigating Racial Ethnic Disparities in the Association Between AHEI-2010 and Change in Cystatin C_ASN 2021-1.pdf
Additional Comments: Dr. Zhu's contribution: 45% effort; Designed the study, interpreted the results, drafted part of the manuscript, and critically revised the manuscript.

Zhu, J., He, X.-L., Liu, Y.-H., Kohlmeier, M., & Wang, B. (2020). Dietary Choline Intake during Pregnancy and PEMT rs7946 Polymorphism on Risk of Preterm Birth: A Case-control Study. *Current Developments in Nutrition*, *4*(Suppl 2), 1114. https://doi.org/doi: 10.1093/cdn/nzaa054_186
Dietary Choline Intake During Pregnancy and PEMT rs7946_ASN Abstract-1.pdf

Additional Comments: Dr. Zhu's Contributions: 70% effort; Acquisition, analysis, interpretation of data, drafting of the abstract, and critical revision of the abstract for important intellectual content.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Bishop, N. J. (Primary author), Zhu, J. (Co-author), American Society of Nutrition annual meeting, "Investigating Racial/Ethnic Disparities in the Association between AHEI-2010 and Change in Cystatin C in a Representative Sample of Older Americans." (June 7, 2021).
ASN presentation V3 for upload-1.pdf

2. Invited Talks, Lectures, and Presentations:

Zhu, J. (Presenter/primary author), Chen, C. (Co-author), Lu, L. (Co-author), Shikany, J. M. (Co-author), Kahe, K. (Co-author), The 5th International Symposium on Food Science and Human Health, "Folate, Vitamin B6, and Vitamin B12 Status in Association with Metabolic Syndrome Incidence among American Young Adults," Beijing Academy of Food Sciences (BAFS), China, Wuhan. (August 3, 2024).

Zhu, J., 2023 North America Chinese Association for Nutrition (NACAN) Joint Nutrition Scientific Symposium, "Folate, Vitamin B6, and Vitamin B12 Status in Association with Metabolic Syndrome Incidence among American Young Adults," North America Chinese Association for Nutrition. (July 29, 2023).

Zhu, J., The 2nd International Forum on Health Promotion and Development, 2023 CHPAMS Annual Meeting, "Intakes of Folate, Vitamin B6, and Vitamin B12 and Genetic Predisposition in Association with Metabolic Syndrome Incidence among American Young Adults.," CHPAMS, Guangzhou. (July 9, 2023).

Zhu, J. (Presenter), Dietitian Continuing Professional Education (CPE) webinar, "Intakes of Folate, Vitamin B6, and Vitamin B12 in Relation to Diabetes Incidence among American Young Adults: A 30-year Follow-up Study." (May 22, 2020).

Zhu, J., WINS Science Fridays webinar, Texas State University, "Intakes of Folate, Vitamin B6, and Vitamin B12 in Relation to Diabetes Incidence among American Young Adults: A 30-year Follow-up Study.," San Marcos, TX, United States. (February 21, 2020).

Zhu, J., Health Promotion Forum for Communities, "Smart Food Choices for Healthier Aging: Tips for Better Diet and Quality of Life," Gaohua Community Center, Shanghai, China. (October 12, 2018).

Zhu, J., Health Promotion Forum for Communities, "Healthy Eating for the Elderly: Tips for Better Diet and Quality of Life," Shanghai, China. (October 10, 2018).

Zhu, J., Wang, B., Zhang, Y. H., Tang, Q. Y., Cai, W., The 7th Asian Congress of Dietetics, "Genetic Variants in Key Enzymes of Choline Metabolism and Maternal Choline Intake during Pregnancy Influence the Risk of Preterm Delivery and Choline Metabolism in Preterms Receiving Total Parenteral Nutrition," Hong Hong, China. (July 2018).

Zhu, J., Health Promotion Forum for Communities, "Apply Nutrition Science to Health Growth of Children," Shanghai, China. (May 12, 2018).

Zhu, J., Health Promotion Forum for Communities, "Nutritional Intervention for Infants with Allergic Constitution," Shanghai, China. (March 13, 2018).

Zhu, J., Health Promotion Forum for Communities, "Healthy Diet and Care for prevention of Gestational Diabetes Mellitus," Shanghai, China. (January 30, 2018).

Zhu, J., Health Promotion Forum for Communities, Shanghai, China. (November 8, 2017).

Zhu, J., Health Promotion Forum for Communities, "Healthy Eating for the Elderly: Tips for Better Diet and Quality of Life," Shanghai, China. (November 8, 2017).

Zhu, J., Health Promotion Forum for Communities, "Healthy Diet and Care for the Elderly: Tips for Better Diet and Quality of Life. Health Forum of Dietitians," Shanghai. (October 22, 2017).

Zhu, J., Health Promotion Forum for Communities, "How to Choose the Right Yogurt to Boost Your Health," Communication Radio Station of Shanghai, Shanghai, China. (August 8, 2017).

Zhu, J., Wang, B., Zhang, Y. H., Tang, Q. Y., Cai, W., The 71st annual meeting of Japan Society of Nutrition and Food Science, "Genetic Variants in Key Enzymes of Choline Metabolism and Maternal Choline Intake during Pregnancy Influence the Risk of Preterm Delivery and Choline Metabolism in Preterms Receiving Total Parenteral Nutrition," Okkinawa, Japan. (May 2017).

Zhu, J., Health Promotion Forum for Communities, "Healthy Eating for the Elderly: Tips for Better Diet and Quality of Life," Shanghai, China. (April 29, 2017).

Zhu, J., Health Promotion Forum for Communities, "How to Eat Right Based on Personalized Nutrition during Pregnancy," Shanghai, China. (March 12, 2017).

Zhu, J., Wang, B., Zhang, Y. H., Tang, Q. Y., Cai, W., The 15th National Conference on Clinical Nutrition, "Effects of Choline Intake During Pregnancy and Genetic Polymorphisms on Risk of Preterms and Choline Metabolism in Preterms on Total Parenteral Nutrition Therapy," Wuhan, China. (November 2016).

Zhu, J., Health Promotion Forum for Communities, "Managing Diabetes: Diet and Proper Nutrition," Shanghai, China. (November 18, 2016).

Zhu, J., Health Promotion Forum for Communities, "Healthy Pregnancy Tips - How to Eat Right during Pregnancy," Hubei, China. (July 3, 2016).

Zhu, J., Wang, B., Zhang, Y. H., Tang, Q. Y., Cai, W., Experimental Biology 2016 Conference, "Choline Intake During Pregnancy and Genetic Polymorphisms Influence Choline Metabolism in Chinese Preterms Receiving Total Parenteral Nutrition Therapy," San Diego, CA, United States. (April 2016).

Zhu, J., Health Promotion Forum for Communities, "Eating Right and Preventing Non-communicable Chronic Metabolic Diseases," Shanghai, China. (March 8, 2016).

Zhu, J., Tang, Q. Y., Wang, B., Zhang, Y. H., Cai, W., The 9th Annual Meeting of the Chinese Society of Parenteral and Enteral Nutrition, "Effects of Choline Intake During Pregnancy and the Gene SNPs of Its Key Enzymes on Choline Metabolism in Preterm Infants Receiving Total Parenteral Nutrition Therapy," Beijing, China. (2015).

Zhu, J., Health Promotion Forum for Communities, "Personalized Nutrition and Healthy Pregnancy," Shanghai, China. (November 7, 2015).

Zhu, J., Health Promotion Forum for Communities, "Healthy Diet and Care for the Elderly," Shanghai. (October 16, 2015).

Zhu, J., Health Promotion Forum for Communities, "Dietary Guidelines for the White-collar Population," Jiangyin. (August 16, 2015).

Zhu, J., Yan, W. H., Tang, Q. Y., Wang, Y., Wu, J., Cai, W., The 48th Annual Meeting of the European Society for Paediatric Gastroenterology, Hepatology, and Nutrition (ESPGHAN), "Choline Alleviates Parenteral Nutrition-associated Liver Disease in Infant Rats," Amsterdam, Netherlands. (May 2015).

Zhu, J., Health Promotion Forum for Communities, "Healthy Diet and Care for the Elderly," Shanghai, China. (May 14, 2015).

Zhu, J., Health Promotion Forum for Communities, "Dietary Guidelines and Gestational Diabetes Mellitus," Shanghai, China. (January 14, 2015).

Zhu, J., Lu, T., Cai, W., Tang, Q. Y., Kohlmeier, M., Advances and Controversies in Clinical Nutrition Conference (ACCN), "Mechanisms of Choline Alleviating Parenteral Nutrition-associated Liver Disease in Immature Rats," National Harbor, MD, United States. (December 2014).

Zhu, J., Health Promotion Forum for Communities, "Dietary Guidelines and Health Care During Pregnancy," Shanghai. (September 21, 2014).

Zhu, J., Cai, W., Tang, Q. Y., The 6th Asian Congress of Dietetics, "Mechanisms of Choline Alleviating Parenteral Nutrition-associated Liver Disease via PPARα in Immature Rats," Taipei, Taiwan. (August 2014).

Zhu, J., Health Promotion Forum for Communities, "Nutrition and Health Care for the Elderly," Shanghai. (August 10, 2014).

Zhu, J., Yan, W. H., Tang, Q. Y., Wang, Y., Wu, J., Cai, W., The 8th Annual Meeting of the Chinese Society of Parenteral and Enteral Nutrition, "The Role of PPARα Mediating the Effect of Choline on Total Parenteral Nutrition-associated Liver Disease via in Immature Rats.," Tianjin, China. (May 2014).

Zhu, J., Kohlmeier, M., Experimental Biology 2012 Conference, "Individualized Effect of EGCG on One-carbon Metabolism Genes in Cultured Human Primary Lymphocytes," San Diego, CA, United States. (April 2012).

Zhu, J., Kohlmeier, M., The 1st Annual NCRC Catalyst Symposium, "Individualized Effect of EGCG on One-carbon Metabolism Genes in Cultured Human Primary Lymphocytes," Kannapolis, NC, United States. (March 2012).

Zhu, J., Luo, H. S., Chen, L., Liang, C. B., Xia, H., The 10th National Congress of Gastroenterology, "Effects of Cholecystokinin Octapeptide on the Contractile Activity of Guinea-pig Colonic Smooth Muscles, L-type Calcium Currents and Membrane Potentials of Myocytes," Chendu, China. (October 2010).

Zhu, J., Luo, H. S., Chen, L., Zhou, T., The 9th National Congress of Gastroenterology, "Altered Expression of L-type Calcium Channel α1C and α1D Subunits in Colon of

Rats with Diarrhea-predominant Irritable Bowel Syndrome," Guangzhou, China. (December 2009).

5. Other Works not in Print:

a. Works "submitted" or "under review":

Journal Articles:

Bishop, N. J., & Zhu, Ji. (Submitted / Under Review). Racial/ethnic variation in the association between 4-year change in cystatin C and dietary quality in older Americans. *British Journal of Nutrition*. (July 9, 2021)
draft_Proof_hi 070921-1.pdf
revision comment and date email-1.pdf
Additional Comments: Second revision granted November 25th, 2021. Third revision due February 25th, 2022.

b. Works "in progress":

Journal Articles:

Patterson, R. D., Khurana, F., Lee, N., Saikia, G., Ritter, J., Koh, G. Y., … Zhu, J. (In Preparation; Not Yet Submitted). Effect of Maternal Methyl-Donor Nutrients Supplementation During Pregnancy and Lactation on the Risk of Metabolic Disorders Among Offspring.

Additional Comments: Status: Metabolomic analyses in progress. Anticipate submission date by Spring 2025.

c. Other Works Not in Print:

Posters:

Lane, M. A. (Presenter/author), Farber, C. M., Zhu, J. (author), Koh, G. Y. (author), Renteria, K. (author), Ritter, J., Muraida, J., Rivers, C., McKenzie, A. L., Interdisciplinary Nutrition Sciences Symposium: Obesity and the brain across the life course, "Methyl donor nutrient supplementation during early life does not prevent the detrimental effects of a Western-type diet on behavior but does alter learning and memory," University of North Carolina, Chapel Hill, University of North Carolina, Chapel Hill, NC, United States. (September 13, 2023).
INSS 2023 abstract-1.docx
Lane et al INSS UNC Poster 2023-1.pdf

Patterson, R. D. (Presenter/primary author), Skinner, C. (Co-author), Saikia, G. (Co-author), Khurana, F. (Co-author), Lee, N. (Co-author), Suh, J. H. (Co-author), Lane, M. A. (Co-author), Koh, G. Y. (Co-author), Zhu, J. (Corresponding author), NUTRITION 2024, the American Society for

Nutrition's annual flagship meeting, "Effect of maternal methyl-donor nutrients supplementation to a high-fat, high-sucrose diet during pregnancy and lactation on the risk of glycolipid disorders among offspring," American Society for Nutrition, Chicagp, IL, United States. (June 30, 2024).
Patterson_ASN_Poster_2024 FINAL FOR ASN-2.pdf

Patterson, R. (Frist author), Skinner, C. (Author), Saikia, G. (Author), Khurana, F. (Author), Lee, N. (Author), Suh, J. H. (Author), Lane, M. (Author), Koh, G. Y. (Author), Zhu, J., Spring 2024 Undergraduate Research Conference, "Effect of maternal methyl-donor nutrients supplementation to a high-fat, high-sucrose diet during pregnancy and lactation on the risk of glycolipid disorders among offspring," Texas State University, San Marcos. (April 18, 2024).
Patterson_Poster_2024 URC-1.pdf

Lane, M. A., Farber, C. M. (Author), Zhu, J. (Author), Koh, G. Y. (Author), Renteria, K. (Author), Ritter, J. (Author), Muraida, J. (Author), Rivers, C. (Author), McKenzie, A. (Author), Translational Health Showcase, "Effect of maternal methyl-donor nutrients supplementation to a high-fat, high-sucrose diet during pregnancy and lactation on the risk of glycolipid disorders among offspring," Texas State University. (March 1, 2024).
Lane et al Transational Health Showcase Poster 2024-1.pdf

Saikia, G. (First Author), Liu, Y. (Author), Yang, K. (Author), Jia, J. (Author), Wu, H. (Author), Lu, L. (Author), Zhu, J. (Correponding author), Translational Health Showcase, "Serum Choline, Betaine, and Trimethylamine N-Oxide in Relation to Risk of Gestational Diabetes Mellitus," Texas State University. (March 1, 2024).
Translational Health Center poster-2024_Dr. Jie Zhu-1.pdf

Saikia, G. (Presenter/primary author), Zhu, J. (Corresponding author), NUTRITION 2023, the American Society for Nutrition's annual flagship meeting, "Serum Methyl-Donor Nutrient Status in Relation to the Risk of Gestational Diabetes Mellitus," American Society for Nutrition, Boston, MA, United States. (July 23, 2023).

Lane, M. A. (Presenter/Author), Farber, C. M. (Author), Renteria, K. (Author), Ritter, J. (Author), Muraida, J. (Author), Rivers, C. (Author), Koh, G. Y. (Author), Zhu, J. (Author), Health Scholar Showcase, "Maternal Consumption of a Western-type Diet During Gestation and Lactation Increases Depression-Related Behavior and Novelty Reactivity but not Body Weight in Rat Offspring," Texas State University, Texas State University, San Marcos. (April 2023).
Lane et al Translational Health Poster 2023-1.pdf

Zhu, J., Shen, X., 2023 Health Scholar Showcase, "Folate Intake and Genetic Variation in Association with Risk of Diabetes: A Prospective Cohort

Study with 15-year Follow-up," TXST Translational Health Research Center, San Marcos, TX, United States. (March 3, 2023).
HSS Poster-2023_Dr. Jie Zhu-1.pptx

Zhu, J., 2022 Health Scholar Showcase, "Intakes and Serum Biomarkers of Folate, Vitamin B6, and Vitamin B12 in Relation to Metabolic Syndrome Incidence: A Prospective Cohort Study with 30-year Follow-up," TXST Translational Health Research Center, San Marcos, TX, United States. (April 8, 2022).
HSS Poster-2022_Dr. Jie Zhu-1.pdf

Zhu, J., 2021 Health Scholar Showcase, "Interaction between Choline Intake during Pregnancy and Genetic Polymorphisms Encoding Key Enzymes on Risk of Preterm Birth," TXST Translational Health Research Center, San Marcos, TX, United States. (April 12, 2021).
2021Health Scholar Showcase_JZ-1.png

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Zhu, Jie (Principal), Percent Contribution: 75%, Shen, Xiaoxi (Co-Principal), Percent Contribution: 20%, Wang, Kaipeng (Co-Principal), Percent Contribution: 5%. Pork intake, Genetic Susceptibility, and Social Determinants in Association with Risk of Diabetes among a Population-based Prospective Study of US Hispanics/Latinos, National Pork Board, Private / Foundation / Corporate, $55,000.00. (Submitted: April 23, 2025, Funded: September 1, 2025 - Present). Grant.

Zhu, Jie (Co-Principal), Percent Contribution: 50%, Hu, Min (Co-Principal), Percent Contribution: 50%. Association of Maternal Methyl-donor Nutrients Status and Genetic Susceptibility with Risk of Gestational Diabetes and Changes of offspring DNA Methylation Markers Linked to Metabolic Disorders, The Chun Hui International Research Project, The Ministry of Education of China, Institutional (Higher Ed), $6,950.00. (Funded: May 22, 2023 - May 21, 2025). Grant.
The Chun Hui International Research Project MEC-Dr. Jie Zhu-1.pdf

Zhu, Jie (Principal), Percent Contribution: 100%. Maternal Choline and Betaine Intakes during Pregnancy and Risk of Gestational Diabetes, Miying (Shanghai) Cultural Creative Co., LTD, Private / Foundation / Corporate, $10,000.00. (Funded: February 1, 2021 - December 30, 2024). Grant.
tcrev1_Sponsored Research Agreement_JZ-1.pdf

Zhu, Jie (Principal), Percent Contribution: 100%. Exploring Interaction of One-carbon Metabolism Nutrients Intakes and Genetic Susceptibility on Risk of Metabolic Syndrome among Multi-ethnic U.S. Adults with Diverse Socio-

demographic, Biomedical, and Lifestyle Characters, Community Health and Economic Resilience Research Fellowship Grant, Texas State's Translational Health Research Center, State, $90,417.00. (Funded: June 1, 2022 - August 31, 2023). Grant.

Zhu Jie CHERR Award Form-1.pdf
Community Health and Economic Resilience Research Fellowship Award-1.pdf
Translational Health Research Center Fellowship Application_Dr. Jie Zhu-1.pdf

Zhu, Jie (Supporting), Percent Contribution: 30%, Wang, Kaipeng (Principal), Percent Contribution: 70%. Colorado Chinese American Brain Health Initiative, NextFifty Initiative, Private / Foundation / Corporate, $6,000.00. (Funded: May 31, 2023 - August 17, 2023). Contract.

NextFifty Initiative_TXST_FDP LOI-2.pdf
NextFifty Initiative_SC38316-01-00 FE-2.pdf

Zhu, Jie (Principal), Percent Contribution: 100%. Interaction of Choline Intake during Pregnancy and Genetic Polymorphisms on Risk of Preterm Delivery and on Clinical Outcomes in Preterms Receiving Total Parenteral Nutrition, Chinese Center for Disease Control and Prevention, The Danone Nutrition Research and Education Grant, Municipal. (Funded: November 1, 2017 - December 31, 2018). Grant.

Zhu, Jie (Principal). Effects of Genetic Polymorphisms and Metabolomic Differences of Choline on the Risk of Preterm Delivery among Chinese Pregnant Women and Their Effects on Choline Metabolism and Clinical Outcomes in Preterms Receiving Total Parenteral Nutrition, The One-Thousand-Day Plan for Infants Program in Shanghai, Institutional (Higher Ed). (Funded: January 1, 2016 - December 31, 2018). Grant.

Zhu, Jie (Co-Principal), Percent Contribution: 50%, Cai, Meiqin (Principal). Effects of Collagen Peptide on Glycation End Products in Skin and Blood Vessels, Nitta Gelatin Inc., Japan, Private / Foundation / Corporate. (Funded: August 1, 2017 - June 30, 2018). Grant.

Zhu, Jie (Principal). Effects of Weight-management Interventions through Personalized Dietary and Lifestyle Counseling during Pregnancy on Pregnant Outcomes, Shanghai Yun-mei Health Management Consulting Co., Ltd, Private / Foundation / Corporate. (Funded: January 1, 2015 - December 31, 2017). Grant.

Zhu, Jie (Co-Principal), Percent Contribution: 25%, Yu, Tingxi (Principal), Percent Contribution: 75%. The Study of Molecular Mechanisms of HuR and miR-222 on Competitively Regulating the Expression of E-cadherin and

Intestinal Barrier, The National Natural Science Fund Projects in China, Federal. (Funded: January 1, 2014 - December 31, 2017). Grant.

Zhu, Jie (Principal). Mechanisms of Individualized Choine Supplementation on Alleviating Parenteral Nutrition Associated Liver Disease in Preterms, Research Projects of Shanghai Municipal Commission of Health and Family Planning, Municipal. (Funded: July 1, 2013 - June 30, 2016). Grant.

Zhu, Jie (Co-Principal), Percent Contribution: 50%, Lu, Ting (Principal), Percent Contribution: 50%. Investigation of Nutritional Knowledge, Attitudes, and Behaviors of Medical Students with Non-nutrition Majors in Shanghai, The Jun Zheng Foundation, Private / Foundation / Corporate. (Funded: May 1, 2014 - April 30, 2015). Grant.

2. Submitted, but not Funded, External Grants and Contracts:

Shen, Xiaoxi (Principal), Percent Contribution: 50%, Zhu, Jie (Co-Principal), Percent Contribution: 50%. MFAI: Deep Learning Assisted Statistical Hypothesis Testing and Precision Nutrition, NSF, Federal, $1,079,812.00. (Submitted: October 9, 2024). Grant.
2024 NSF grant submission receipt_JZ-1.pdf

Zhu, Jie (Principal), Percent Contribution: 65%, Koh, Gar Yee (Supporting), Percent Contribution: 35%. Maternal methyl-donor nutrients and obesogenic diet in offspring metabolic disorders development: exploring mechanistic alteration in glucolipid metabolic pathways and gut microbiota, NIH, Federal, $595,536.00. (Submitted: September 27, 2024). Grant.
2024 NIH R16 submission receipt-1.pdf
Additional Comments: The proposal coordinator at OSP didn't correct the error before the submission due date. After correction, the resubmission was regarded as past due date.

Zhu, Jie (Co-Principal), Percent Contribution: 50%, Wang, Weiguang (Co-Principal), Percent Contribution: 50%. Type 2 Diabetes Prevention through Presided One-carbon Metabolism Nutrients among the U.S. Hispanic/Latino Adults: A Novel Approach with Nutrient-Focused Attention Algorithms and Specialized Language Models, Nutrition for Precision Health's AIMINGS AI for Precision Nutrition Pilot Program, the National Institutes of Health's (NIH) Nutrition for Precision Health's (NPH), Federal, $125,000.00. (Submitted: October 12, 2023). Grant.
Nutrition for Precision Health's AIMINGS AI for Precision Nutrition Pilot Program 2023_Submitted_Dr. Jie Zhu-1.pdf

Zhu, Jie (Principal), Percent Contribution: 50%, Metsis, Vangelis (Co-Principal), Percent Contribution: 40%, Shen, Xiaoxi (Supporting), Percent Contribution: 5%, Bishop, Nicholas (Supporting), Percent Contribution: 5%. One-carbon Metabolism Nutrients Intakes, Genetic Susceptibility, and Social

Determinants in Association with Diabetes Incidence among the U.S. Hispanic Adults, The New York Regional Center for Diabetes Translation Research (NY-CDTR) Pilot and Feasibility (P&F) funding, Institutional (Higher Ed), $50,000.00. (Submitted: March 2, 2023). Grant.

2023 NY-CDTR PF Proposal_Dr. Jie Zhu-1.pdf

Metsis, Vangelis (Principal), Percent Contribution: 50%, Zhu, Jie (Co-Principal), Percent Contribution: 50%. Deep Learning-based Multimodal Fusion of Genomic, Biomedical, Sociodemographic, and Precision Nutrition Factors for Establishing and Preventing the Risk of Metabolic Syndrome, NIH Nutrition for Precision Health Program (AIMINGS Center), Federal, $125,000.00. (Submitted: December 2, 2022). Grant.

3. Budget-1.pdf

2. Summary-1.pdf

1. RFA application_FINAL-signed-1.pdf

3. Funded Internal Grants and Contracts:

Zhu, Jie (Principal), Shen, Xiaoxi (Co-Principal), Bishop, Nicholas Joseph (Co-Principal), Metsis, Vangelis (Co-Principal). Exploring Interaction of One-carbon Metabolism Nutrients Intakes and Genetic Susceptibility on Risk of Metabolic Syndrome among Multi-ethnic US Adults with Diverse Socio-demographic, Biomedical, and Lifestyle Characters, Texas State University Multidisciplinary Internal Research Grant, Texas State University, $12,000.00. (Funded: August 24, 2022 - Present). Grant.

Zhu, Jie (Principal), Percent Contribution: 50%, Shen, Xiaoxi (Co-Principal), Percent Contribution: 30%, Metsis, Vangelis (Co-Principal), Percent Contribution: 20%. One-carbon Metabolism Nutrients Intakes, Genetic Susceptibility, and Social Determinants in Association with Diabetes Incidence among the U.S. Hispanic Adults: HCHS/SOL, TXST CADS 2024 Catalyst Research Awards, Texas State Center for Analytics and Data Science, Texas State University, $1,000.00. (Submitted: December 22, 2024, Funded: February 1, 2024 - December 31, 2024). Grant.

Call for TXST CADS Research Grants-1.pdf

TXST-CADSAward-Growth_ZhuShenMetsis-1.pdf

Zhu, Jie (Principal), Percent Contribution: 50%, Shen, Xiaoxi (Co-Principal), Percent Contribution: 30%, Bishop, Nicholas (Co-Principal), Percent Contribution: 10%, Metsis, Vangelis (Co-Principal), Percent Contribution: 10%. Exploring Interaction of One-carbon Metabolism Nutrients Intakes and Genetic Susceptibility on Risk of Metabolic Syndrome among Multi-ethnic US Adults with Diverse Socio-demographic, Biomedical, and Lifestyle Characters, Multidisciplinary Internal Research Grant (MIRG), Texas State University, $12,000.00. (Funded: September 1, 2022 - August 31, 2024). Grant.

2022 MIRG Award-1.pdf

Zhu, Jie (Co-Principal), Percent Contribution: 50%, Koh, Gar Yee (Co-Principal), Percent Contribution: 50%. Effect of maternal methyl-donor nutrients supplementation during pregnancy and lactation on the risk of cardiometabolic disorders among offspring, Research Enhancement Program, Texas State University, $13,370.00. (Funded: December 3, 2021 - June 30, 2023). Grant.
REP FY22 Award_Dr. Zhu-1.docx

Zhu, Jie (Principal). Production and Evaluation of a Novel Electronic Book of Food Pictures for Didactic Program in Dietetics, Construction of Application-oriented Undergraduate Pilot Program in Shanghai Municipal Universities, Shanghai Jiao Tong University School of Medicine, Institutional (Higher Ed). (Funded: January 1, 2019 - July 15, 2019). Grant.

Zhu, Jie (Principal). Mechanisms of Choline Alleviating Parenteral Nutrition-associated Liver Disease, The Natural Science Foundation, Shanghai Jiao Tong University School of Medicine, Shanghai, China, Institutional (Higher Ed). (Funded: June 1, 2013 - May 30, 2015). Grant.

4. Submitted, but not Funded, Internal Grants and Contracts:

Zhu, Jie (Principal), Percent Contribution: 100%. One-carbon Metabolism Nutrients Intakes, Genetic Susceptibility, and Social Determinants in Association with Diabetes Incidence among the U.S. Hispanic Adults, Division of Research Research Enhancement Program, Texas State University, $8,000.00. (Submitted: October 9, 2024). Grant.
Y25 REP application receipt-1.jpg

Zhu, Jie (Principal), Percent Contribution: 100%. B vitamins intakes and genetic susceptibility in relation to metabolic syndrome: a 30-year Follow-up Study, Texas Research Incentive Program (TRIP), $8,000.00. (Submitted: October 13, 2020). Grant.

Zhu, Jie (Principal), Percent Contribution: 100%. Effects of maternal methyl-donor nutrients supplementation to a high-fat-sucrose diet on insulin homeostasis and glucolipid metabolism in offspring rats exposed to an obesogenic diet, Texas Research Incentive Program (TRIP), $8,000.00. (Submitted: October 9, 2019). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Award / Honor Recipient: The Hainan Medical University & The Chinese Health Policy and Management Society (CHPAMS) 2024 Annual Conference, The Chinese Health Policy and Management Society.

July 6, 2024 - July 7, 2024
2024 CHPAMS Annual Conference Travel Awards-1.pdf

Award / Honor Recipient: The Chinese Health Policy and Management Society 2023 Summer Meeting Scholarship Award, The Chinese Health Policy and Management Society.
July 8, 2023 - July 10, 2023
CHPAMS 2023 Summer Meeting Scholarship Award_Dr. Jie Zhu-1.pdf
Additional Comments: Dr. Zhu received $1,000 for this award.

Award / Honor Recipient: College of Applied Arts Achievement Award for Excellence, Scholarly/Creative Activities, College of Applied Arts.
August 2020
2020 College of Applied Arts Achievement Award for Excellence Scholarly Creative Activities-1.pdf
Additional Comments: Dr. Zhu received $1,000 for this award.

Award / Honor Recipient: Best Oral Presentation, The 7th Asian Congress of Dietetics.
2018

Additional Comments: Hong Kong, China

Award / Honor Recipient: The 6nd Academic English Speech Contest for Young Pediatric Medical Professionals in Shanghai, Shanghai, China.
2018

Additional Comments: The Third Prize Winner

Award / Honor Recipient: Co-winner of Creativity Competition of Health Communication. School of Medicine, Shanghai Jiao Tong University, Shanghai, China.
2017

Award / Honor Recipient: The Second Place Winner, Oral Presentation of Excellent Paper, The 15th National Conference on Clinical Nutrition, Wuhan, China.
2016

Award / Honor Recipient: The Third Prize Winner, The 4nd Academic English Speech Contest for Young Pediatric Medical Professionals in Shanghai, Shanghai, China.
2016

Award / Honor Recipient: The 3nd Academic English Speech Contest for Young Pediatric Medical Professionals.
2015

Award / Honor Recipient: The Excellent Teacher for Mentoring Students in Jun Zheng Research Project, Shanghai, China.

2015

Award / Honor Recipient: The Second Prize Winner, Oral Presentation of Excellent Papers, The 9th National Conference on Parenteral and Enteral Nutrition, Beijing, China.
2015

Award / Honor Recipient: The 2nd Academic English Speech Contest for Young Pediatric Medical Professionals.
2014

Award / Honor Recipient: Oral Presentation of Excellent Papers, The 8th National Conference on Parenteral and Enteral Nutrition.
2014

Award / Honor Recipient: Teaching Contest of the Young Faculties, School of Medicine.
2013

Award / Honor Recipient: Postdoctoral Research Associate Travel Stipend Award, Nutrition Research Institute.
2012

Award / Honor Recipient: The 15th English Interpretation Competition in Hubei Province.
2009

Award / Honor Recipient: Interview of an International Graduate Exchange Trainee Program, Medical College of Georgia.
2008

Award / Honor Recipient: CCTV·OUTLOOK English Talent Competition in Hubei Province.
2007

Award / Honor Recipient: First Class Scholarship of Wuhan University for Post-graduate.
2007

Award / Honor Recipient: Spoken English Competition for Post-graduate of Wuhan University.
2005

Award / Honor Recipient: First Class Scholarship, Wuhan University.
2002

Award / Honor Recipient: Second Class Scholarship, Wuhan University.
2001

Award / Honor Nominee: Third Class Scholarship, Wuhan University.
2000

E. Scholarly / Creative Professional Development Activities Attended:

Workshop, "NIH Engagement and Access for Research-Active Pilot Project Workshop," NIH Chief Officer for Scientific Workforce Diversity (COSWD) Office. (September 16, 2024).

Seminar, "Future Directions in Choline," University of North Carolina Research Campus, Kannapolis, NC. (November 5, 2023 - November 7, 2023).

Additional Comments: This symposium is designed for researchers in the field of choline biology and its role in human health – across academia, government, and industry. Through this symposium, I have met and engaged with key thought-leaders in choline nutrition research worldwide. Speakers at this conference included leading experts in the field of choline nutrition discussing progress over the last 25 years. I participated in the discussion on where the next 25 years of choline research should lead us.

Workshop, "USDA Grants Support Technical Assistance Workshop," USDA. (May 8, 2023 - May 12, 2023).

Additional Comments: This online workshop is a 5-day virtual event with a 3-hour session each day from 10 am to 1 pm Central Time each day. Attending this workshop has helped me understand how underrepresented institutions become more competitive in receiving and complying with USDA-NIFA Teaching, Research and Outreach funding.

Workshop, "Steps to Funding Success," Texas State University. (November 16, 2022).

Workshop, "Pursuing Funding from Foundations and Private Sources," Texas State University. (October 10, 2022).

Workshop, "Nutrigenetics, Nutrigenomics, and Precision Nutrition Workshop 2022," UNC Nutrition Research Institute’s (NRI). (May 16, 2022 - May 19, 2022).

Workshop, "Demystifying the NIH Grant Writing Experience," Texas State University. (April 22, 2022).

Seminar, "Dietary Biomarker Symposium: Advances, Challenges, and Future Directions in Food Biomarker Research Confirmation," Harvard T.H. Chan School of Public Health, Boston, MA, United States. (November 16, 2020).

Workshop, "Grant Writing Workshop Program," Texas State University, San Marcos, United States. (January 24, 2020 - May 22, 2020).

Workshop, "STEP session 6: Continuous Improvement and Celebration," Faculty Development Office. (March 27, 2020).

Workshop, "STEP session 5: Tenure & Promotion/Career Development," Faculty Development Office. (February 21, 2020).

Workshop, "STEP Session 3: Annual Evaluation and Digital Measures," Faculty Development Office. (November 15, 2019).

Workshop, "STEP Session 2: Time Management and Career-Life Integration," Faculty Development Office. (October 17, 2019).

Workshop, "STEP Session 1: Finding Funding for Scholarship," Faculty Development Office. (September 13, 2019).

F. Media Recognition:

Internet, Austin American-Statesman. (February 3, 2023).

Additional Comments: Could vitamins help you avoid diabetes, heart disease? Here's what a Texas State researcher found. https://www.statesman.com/story/news/healthcare/2023/02/03/texas-state-professor-dr-jie-zhu-vitamins-avoid-heart-disease-diabetes/69855036007/

Internet, Pharmacy Times. (January 19, 2023).

Additional Comments: High Folate Intake Linked to Low Incidence of Metabolic Syndrome. https://www.pharmacytimes.com/view/high-folate-intake-linked-to-low-incidence-of-metabolic-syndrome

Internet, Physicians Weekly. (December 3, 2020).

Additional Comments: Higher Folate Intake in Young Adulthood & Lower Midlife Incidence of Diabetes. Physicians Weekly.

https://www.physiciansweekly.com/higher-folate-intake-in-young-adulthood-lower-midlife-incidence-of-diabetes/

Internet, Nutrition and Dietetics SmartBrief, The Academy of Nutrition and Dietetics. (August 18, 2020).

Report of the research on AND-1.jpg

Additional Comments: Folate intake tied to lower diabetes risk in adulthood. Nutrition and Dietetics SmartBrief, The Academy of Nutrition and Dietetics.

IV. SERVICE

A. Institutional

1. University:

Invited presenter and panel participant, New Tenure-Track Orientation: Resources and Responsibilities. (August 2020).

Member, Admission Committee of Shanghai Jiao Tong University School of Medicine. (May 2014 - June 2019).

Member, Advisory Committee for Graduates and Undergraduates of Shanghai Jiao Tong University School of Medicine. (March 2013 - June 2019).

2. College:

Reader, Fall 2024 College of Applied Arts Graduate Hooding Ceremony. (December 14, 2024).

I have hooded the graduated students., Spring 2024 College of Applied Arts Graduate Hooding Ceremony. (May 9, 2024).

Member, Grant Reviewer/School Representative, the College Research Enhancement Committee,2023 Research Enhancement Program. (August 18, 2023 - December 15, 2023).

Member, Grant Reviewer/School Representative, the College Research Enhancement Committee, 2022 Research Enhancement Program. (August 19, 2022 - December 15, 2022).

3. Department/School:

Member, Assistant Professor in Nutrition Search Committee. (August 18, 2023 - Present).

Volunteer, Bobcat Bounty food pantry distribution. (August 2023 - Present).

Volunteer, TXST premier open house event, Bobcat Day. (2022 - Present).

Member, Graduate Admissions Committee. (January 22, 2021 - Present).

Additional Comments: I'm a graduate admissions committee member for enrollment of graduate students in human nutrition MS program.

Member, Scholarship Awards Committee. (September 2020 - Present).

Organizer, University translational science scholar showcase. (September 2020 - Present).

Member, Ph.D. Nutrition Proposal Committee. (October 2019 - Present).

Chair, Open Rank Tenure Line Faculty of Nutrition Search Committee. (August 19, 2022 - May 1, 2023).

Member, Nutrition Tenure-track Search Committee-Assistant Professor Position. (August 19, 2021 - May 1, 2022).

Additional Comments: I'm a faculty search committee member for searching an assistant professor position.

Member, SFCS Recruitment committee. (October 2019 - 2020).

B. Professional:

Co-Chair, Communication committee, The North America Chinese Association for Nutrition. (August 15, 2023 - Present).

Reviewer / Referee, Frontiers in Nutrition. (July 12, 2023 - Present).

Reviewer / Referee, Frontiers in Endocrinology. (June 26, 2023 - Present).

Reviewer / Referee, Journal of Nutritional Biochemistry. (November 10, 2021 - Present).
Manuscript reviewer Journal of Nutritional Biochemistry_Dr. Jie Zhu-1.jpg

Reviewer / Referee, Nutrition Journal. (October 11, 2021 - Present).
Manuscript Reviewer Nutrition Journal_Dr. Jie Zhu-1.jpg

Editor, BMJ Nutrition, Prevention & Health, United Kingdom. (2018 - Present).

Member, Youth Working Committee for China Healthy Birth Science Association, China. (2018 - Present).

Reviewer / Referee, PharmaNutrition. (2017 - Present).

Secretary, Expert Committee of Shanghai Children's Nutrition Center, China. (2017 - Present).

Member, Journal of Sport and Health Science. (2015 - Present).

Member, Faculty Forward Task Force Committee, The Popularization Committee of Scientific Knowledge, China. (2014 - Present).

Co-Chair, The Sixth North America Chinese Association for Nutrition Summit Organization Committee. (May 2024 - August 2024).

Co-Chair, The Sixth North America Chinese Association for Nutrition Summit Frontiers in Nutrition/ The Joint Nutrition Scientific Symposium in 2024. (May 1, 2024 - July 28, 2024).

Reviewer / Referee, Nutrition 2023, ASN's flagship meeting, The American Society for Nutrition. (March 1, 2023).

Reviewer / Referee, Nutrition 2022, ASN's flagship meeting, The American Society for Nutrition. (March 1, 2022 - March 31, 2022).

Coordinator / Organizer, The 2nd Annual NACAN Summit: Frontiers in Nutrition, The Joint NACAN and ICNYSN Scientific Symposium. (July 17, 2021 - December 30, 2021).
NACAN ICNYSN Joint Symposium 2021 05 29-1.pdf

Reviewer / Referee, Nutrition 2021, ASN's flagship meeting, The American Society for Nutrition. (February 1, 2021 - February 28, 2021).

Abstract Reviewer ASNs flagship meeting 2021 The American Society for Nutrition_Dr. Jie Zhu-1.jpg

Reviewer / Referee, Nutrition 2020, ASN's flagship meeting, The American Society for Nutrition, United States. (February 1, 2020 - February 28, 2020).

Abstract Reviewer ASN Annual Meeting 2020 The American Society for Nutrition_Dr. Jie Zhu-1.jpg

Member, International Society of Nutrigenetics/Nutrigenomics. (2018 - 2019).

Member, Huangshi Nutrition Society, China. (2015 - 2019).

Reviewer / Referee, Nutrition 2019/ The American Society for Nutrition, United States. (February 1, 2019 - February 28, 2019).

Abstract Reviewer ASN Annual Meeting 2019 The American Society for Nutrition_Dr. Jie Zhu-1.jpg

D. Organization Memberships:

The North America Chinese Association for Nutrition (NACAN). (September 1, 2023 - Present).

Chinese Nutrition Society (CNS). (2013 - Present).

Shanghai Nutrition Society (SNS). (2013 - Present).

American Society for Nutrition (ASN). (2012 - Present).

International Society of Nutrigenetics/Nutrigenomics (ISSN). (2017 - 2019).

Academy of Nutrition and Dietetics (AND). (2017 - 2018).