Shuchen Wang

University of Chinese Academy of Sciences

(+86)198 2182 6724| wsc31888@gmail.com

EDUCATION

University of Chinese Academy of Sciences *09/2019 – Present*

Master of Basic Medicine in Pathology and Pathophysiology GPA: 82.50/100

Research Direction: Molecular Epidemiology and Nutritional Epidemiology

Relevant Modules: Biomedical Statistics, Molecular Pathology, Operations Research, etc.

Shandong University of Science and Technology *09/2015 – 07/2019*

Bachelor of Bioengineering GPA: 86.35/100

Relevant Modules: Food Nutrition and Hygiene, Biostatistics, Biochemistry, Molecular and Cell Biology, etc.

PUBLICATION

Jia K, **Wang S (co-first author)**, et al. Breast Milk Rubidium and Other Trace Elements are Associated with Neurocognitive Development in Infants at Age of 8 Months. J Nutr 2022; 152(6): 1507-14.

PREPRINTS AND MANUSCRIPTS

Wang S, Feng Y, et al. Human milk erucic acid and infant executive functions. (Under Review)

Bi Y, **Wang S**, et al. Odd- and Branched-Chain Fatty Acids in Breast Milk and Neurodevelopment in Early Infancy (Under Review)

Bi Y, **Wang S**, et al. Prevalence, incidence, and geographic distribution of hysterectomy in China. (Under Review)

RESEARCH INTEREST

- Associations of nutrition intake during pregnancy with pregnancy outcomes;
- Exploring the impact of maternal factors, nutrition in early life with infant growth and development;

RESEARCH EXPERIENCE

Fatty acids in breast milk and infant neurocognitive development *01/2020 - Present*

- Conducted literature review on the relationships of breast milk fatty acids with infant neurocognitive development;
- Developed a research proposal focusing on investigating the relationships between breast milk n-9 monounsaturated fatty acids and infant executive functions;
- Conducted statistical analysis of the data using R software, including linear regression, restrict cubic spline regression, stratified analysis, etc.;
- Wrote and submitted the research paper;

Micronutrient in breast milk and infant neurocognitive development *09/2020 – 02/2022*

- Conducted statistical analysis on the associations between minerals, trace elements in breast milk and infant neurocognitive development indexes, using linear regression, restricted cubic spline regression, and stratified analysis;
- Revised and published the paper on *The Journal of Nutrition* **(**DOI: 10.1093/jn/nxac054**).**

Epidemiology and risk factor of hysterectomy in China *07/2020 – Present*

- Conducted literature review on the epidemiology of hysterectomy and related diseases;
- Developed a research proposal to investigate the prevalence, incidence and geographic distribution of hysterectomy in China;
- Wrote the research paper;

DHA intake during pregnancy and gestational diabetes mellitus *10/2019 – 05/2020*

- Extracted and detected fatty acids of erythrocytes using gas chromatography-flame ionization detection;

PROFESSIONAL SKILL

Professional Software: Proficient in R software for data analysis; Endnote for paper management, etc.;

Experimental Expertise: Experienced in the extraction and detection of fatty acids from diverse sample types;

Statistical Analysis Competencies: Adept in statistical analysis, including linear regression; restricted cubic spline regression, stratification analysis, etc.;

Scientific Abilities: Conducting thorough literature reviews; Identifying appropriate study population; Developing research proposals and methodologies; Proficiency in science popularization and academic presentation;

Language: Fluent in English both in spoken and written forms, with excellent communication skills.

HONOR

Award of merit student, University of Chinese Academy of Sciences *2020 - 2021*

Award of merit student, Shandong University of Science and Technology *2016 - 2018*

Third Prize in Mathematics competition of Chinese College Students *2017*

ACTIVITY

"The benefits of NMN" presentation for nicotinamide mononucleotide Industry Forum *06/2023*

Popular science activities for primary and secondary school students *06/2023*

Volunteered for fighting against with SARS-CoV-2 *03/2022 – 05/2022*