



North America Chinese Association for Nutrition
北美华人营养学会 *Nutrition for a Healthy Life*

Announcement

Frontier Nutrition for Health Webinar Series

January 20, 2023

To all NACAN members and friends

Dear colleagues and friends:



We are pleased to continue Frontier Nutrition for Health Webinar series that North America Chinese Association for Nutrition (NACAN) presents in 2023. Dr. Hao Wu from Shandong University School of Public Health will present a new concept named “Spatial Nutrition” and the research performed based on this concept. Below, you will find detailed information about this webinar, the web link, the speaker introduction, and the abstract.

Activity: Webinar North America Chinese Association for Nutrition (NACAN) in 2023

Title: Spatial Nutrition - Re-examining Nutritional Questions from The Three-dimensional Perspective

Speaker: Hao Wu, M.D., Ph.D.

Time: 8:00 PM to 9:30 PM (Eastern Standard Time)

Date: Friday, Feb 04, 2023 (Beijing time, 10:00-11:30, Saturday, Feb 05, 2023)

Webinar link:

[Join Zoom Meeting](#)

Meeting ID: 812 2365 7884

Passcode: 872301

<https://us06web.zoom.us/j/81223657884?pwd=QlRqU2tvNm9lZ2ZRTzIvYWpVejlldz09>

Speaker information: Dr. Hao Wu is a professor at Department of Nutrition and Food Hygiene, School of Public Health, Shandong University. He is the P.I. of Spatial Nutrition Research Team. He acquired M.D. and Ph.D. at Jilin University, and received post-doctoral training at University of Louisville and Vanderbilt University Medical Center. He is dedicated in “Spatial Nutrition” research which aims to define the interaction between disordered spatial distribution of nutrients in the body and nutritional disease (especially diabetes and complications), and optimize the distribution of nutrients and bioactive food components at the “right places” of the body (organs/cells/organelles) in order to yield better outcomes. His research is funded by National Natural Science Foundation of China, Shandong University, Jilin University and Jinan Central Hospital. He has published 25 articles as the first or corresponding author in journals such as *Diabetologia*, *Free Radical Biology & Medicine*, *Journal of Agricultural and Food Chemistry* and *Food & Function*. He is an editorial board member of *Nutrients* and *Antioxidants*. He reviewed for NSFC grants and discipline assessment of the ministry of education of China (public health and preventive medicine). He is a standing committee member in Basic Nutrition Branch, and a

committee member in Special Nutrition Branch, Chinese Nutrition Society. He is also a vice chair of Special Food Committee and Nutritional Science Committee in Shandong Nutrition Society. In 2022, he became a member of NACAN.

Abstract: Nutritional diseases poses a severe threat to public health worldwide. Therefore, it is essential to understand the molecular mechanism of these diseases, and develop effective approaches for their intervention. In addition to the quantity, quality, species, collocation, suitable population and sequential food intake, special attention should be paid to the spatial distribution of the nutrients or bioactive food components in the body. On one hand, nutrients are unevenly distributed in the body under the normal condition, leading to distinct constructions and functions of organelles, cells and organs. The disordered distribution of nutrients and nutritional diseases are a reciprocal causation. On the other hand, the conventional food intake may have flaws in the appropriate distribution of some nutrients and bioactive food components, which needs to be optimized. To these ends, we proposed a concept named “Spatial Nutrition” which aims to define the interaction between disordered spatial distribution of nutrients in the body and nutritional diseases (especially diabetes and complications), and optimize the distribution of nutrients and bioactive food components at the “right places” of the body (organs/cells/organelles) in order to yield better outcomes.

Learning objectives

Upon the completion of the webinar, attendees should be able to

1. Know what spatial nutrition is and does.
2. Rethink nutritional questions from the three-dimensional perspective.

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This webinar provides 1 CEU for Registered dietitians. To earn continuous education credit, please register by sending an email to nacan_CPE@outlook.com. If you have any questions, please send an email to nacanmembership@gmail.com. We look forward to meeting you at the webinar!

Sincerely yours

Linglin Xie, M.D., Ph.D.
Chair of NACAN Scientific Program

Yang Li, Ph.D., RD
Director of CPE

Chaodong Wu, Ph.D.
President of NACAN 2022-2023