

NIH Office of Dietary Supplements (ODS) 2023–2024 Seminar Series

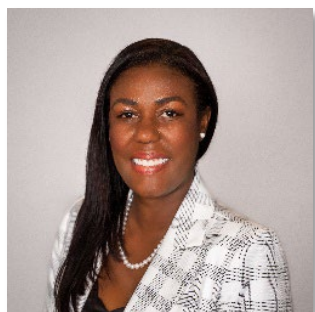
Dietary Supplements: Interactions with Taste and Smell

Paule Joseph, Ph.D., MBA, M.S., FNP-BC, CTN-B, FAAN
National Institute on Alcohol Abuse and Alcoholism
Bethesda, MD

Wednesday, March 13 | 11 a.m. – 12 p.m. ET

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Paule Joseph is a nurse scientist, educator, and philanthropist who was born and raised in Venezuela, South America. As an international expert in chemosensation and metabolic diseases, she bridges the intersections of nursing, science, nutrition, public health, policy, and health disparities. She is a 2019 National Institutes of Health (NIH) Lasker Scholar and 2018 Distinguished Scholar. She is Chief of the Section of Sensory Science and Metabolism in the Division of Intramural Clinical and Biological Research at the National Institute on Alcohol Abuse and Alcoholism (NIAAA), with a dual appointment at the National Institute of Nursing Research (NINR). She is the 2022–24 American Academy of Nursing Fellow at the National Academy of Medicine.

Dr. Joseph leads a multidimensional translational research program combining research and clinical practice focused on chemosensation (taste and smell, and chemesthesis). Aiming to improve the diagnosis, prevention, and management of chemosensory disorders and symptoms, she and her group conduct preclinical, clinical, and translational studies. Her research program seeks to understand neurological and molecular mechanisms underlying chemosensation and motivational pathways of ingestive behaviors in individuals with obesity and alcohol and substance use disorders.

Recent Publications

1. Delompré T, Guichard E, Briand L, Salles C. Taste Perception of Nutrients Found in Nutritional Supplements: A Review. *Nutrients*. 2019 Sep 2;11(9):2050. doi: 10.3390/nu11092050. PMID: 31480669; PMCID: PMC6770818.
2. Greenway FL, Ingram DK, Ravussin E, Hausmann M, Smith SR, Cox L, Tomayko K, Treadwell BV. Loss of taste responds to high-dose biotin treatment. *J Am Coll Nutr*. 2011 Jun;30(3):178–81. doi: 10.1080/07315724.2011.10719958. PMID: 21896875; PMCID: PMC5666569.
3. Pisano M, Hilas O. Zinc and Taste Disturbances in Older Adults: A Review of the Literature. *Consult Pharm*. 2016 May;31(5):267–70. doi: 10.4140/TCP.n.2016.267. PMID: 27178656.



Strengthening Knowledge and
Understanding of Dietary Supplements