

## Assistant Professor

PhD, University of Utah  
MS, University of Utah  
BS, University of Utah

## Registered Dietitian Nutritionist

My work as a dietitian has included wellness counseling in both private practice and with a team. I have served as an outpatient clinical dietitian at the VA Hospital in Salt Lake City, UT and as an inpatient clinical dietitian and at the University of Utah. All of these experiences have led me to my mission of elevating the field of dietetics. Being a dietitian is the best job in the world. Nutrition as a science is critical to improving human health.

## Courses Taught

Current Topic in Nutrition  
Nutritional Epidemiology  
Nutrition for Health Professionals

## Research Interests

- Plant nutrients and their effect on cardiovascular diseases
- Intestinal microbiome
- Metabolomics: What metabolites are available as a result of consuming plant foods; How the available metabolites affect cardiovascular diseases; How diet type affects available metabolites; the effect of intestinal microbial communities on available metabolites.

## Scholarship (selected publications)

- Petersen, C., Bharat, D., Wankhade, U.D., Kim, J.S., Cutler, B.R., Denetso, C., Gholami, S., Nelson, S., Bigley, J., Johnson, A. and Chintapalli, S.V., 2022. Dietary blueberry ameliorates vascular complications in diabetic mice possibly through NOX4 and modulates composition and functional diversity of gut microbes. *Molecular Nutrition & Food Research*, 66(8), p.2100784.
- Miller, J.C., Satheesh Babu, A.K., Petersen, C., Wankhade, U.D., Robeson, M.S., Putich, M.N., Mueller, J.E., O'Farrell, A.S., Cho, J.M., Chintapalli, S.V. and Jalili, T., 2022. Gut Microbes Are Associated with the Vascular Beneficial Effects of Dietary Strawberry on Metabolic Syndrome-Induced Vascular Inflammation. *Molecular Nutrition & Food Research*, p.2200112.
- Petersen, C., Wankhade, U.D., Bharat, D., Wong, K., Mueller, J.E., Chintapalli, S.V., Piccolo, B.D., Jalili, T., Jia, Z., Symons, J.D. and Shankar, K., 2019. Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice. *The Journal of nutritional biochemistry*, 66, pp.63-69.
- Petersen, C., Bharat, D., Cutler, B.R., Gholami, S., Denetso, C., Mueller, J.E., Cho, J.M., Kim, J.S., Symons, J.D. and Babu, P.V.A., 2018. Circulating metabolites of strawberry mediate

reductions in vascular inflammation and endothelial dysfunction in db/db mice. *International journal of cardiology*, 263, pp.111-117.