

ANITA A. PANJWANI

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PROFESSIONAL POSITIONS

- 2022 – Assistant Professor
Department of Nutrition Science, Purdue University, West Lafayette, IN
- 2019 – 2022 Postdoctoral Scholar
Departments of Nutrition Science and Psychological Sciences, Purdue University,
West Lafayette, IN
- 2016 – 2019 Research Assistant
Lewis B. and Dorothy Cullman Chemoprotection Center, Johns Hopkins School of
Medicine, Baltimore, MD
- 2013 – 2015 Statistical Analyst
Department of Preventive Medicine, Northwestern University Feinberg School of Medicine,
Chicago, IL
- 2012 – 2013 Consultant
Pan American Health Organization, Washington, D.C.

EDUCATION

- 2019 PhD in Human Nutrition, Department of International Health
The Johns Hopkins University, Bloomberg School of Public Health
Baltimore, MD
- 2012 MPH in Nutrition, Hubert Department of Global Health
Emory University, Rollins School of Public Health
Atlanta, GA
- 2009 BA in Neurobiological Sciences, Minor in Global Health
Northwestern University, Weinberg School of Arts and Sciences
Evanston, IL

TEACHING EXPERIENCE

Instructor

Public Health Nutrition, Department of Nutrition Science, Purdue University, West Lafayette, IN (2023)
Essentials of Nutrition, Department of Nutrition Science, Purdue University, West Lafayette, IN (2022, 23)

Mentor

Kelleher Laboratory Undergraduate Research Experience in Neurodevelopmental Disorders, Department of
Psychological Sciences, Purdue University (2019, 2021)

PUBLICATIONS

Manuscripts

Panjwani, A., Bailey, R. L., Bowman, A. B., DeMaria, A., Felicicchia, R., Foti, D., Freeman, J., Hensel, J., Keehn, B., Lane, S., Lindemann, S., Liu, S., McCormick, C., McNally Keehn, R., Paschou, P., Rispoli, M., Rochet, C., Schwichtenberg, A. J., Sereno, A., Shin, D., Wells, E., Kelleher, B.L. Feasibility of a Home-Based Collection Method for Monitoring Risk Factors for Autism (submitted to *JPeds*).

Karalis, P., Aydinian, T., Martinez, G., Whiteman, A., Daas, M., Cunningham, A., **Panjwani, A.**, Kassam, A. Racial Disparities with PRN Medication Usage in Inpatient Psychiatric Treatment (under final review at *Schizophrenia*).

Panjwani, A.,* Andrews, S.,* Hamrick, L., Wheeler, A., Kelleher, B.L. Early Hyperphagia in Prader-Willi Syndrome Compared to Other Neurodevelopmental Disorders. *Am J Intellect Dev Disabil* (in press).

Panjwani, A., Bailey, R.L., Kelleher, B.L. COVID-19 and Food-related Outcomes in Children with Autism Spectrum Disorder: Disparities by Income and Food Security Status. *Curr Dev Nutr* 2021; 5(9):nzab112.

Panjwani, A., Bailey, R.L., Kelleher, B.L. COVID-19 and Behavior in Children with Autism Spectrum Disorder: Disparities by Income and Food Security Status. *Res Dev Disabil* 2021; 115:104002.

Zimmerman, A.W., Singh K., Connors, S.L., Liu, H., **Panjwani, A.**, Lee, L., Diggins, E., Foley, A., Melnyk, S., Singh, I.N., James, S.J., Frye, R.E., Fahey, J.W. Randomized Controlled Trial of Sulforaphane and Metabolite Discovery in Children with Autism Spectrum Disorder. *Mol Autism* 2021; 12(1):38.

Panjwani, A., Cowan, A.E., Jun, S., Bailey, R.L. Trends in Nutrient and non-Nutrient containing Dietary Supplement Use among U.S. Children from 1999-2016. *J. Peds* 2020; 231:131-140.e2.

Panjwani, A., Ji, Y., Fahey, J.W., Palmer, A., Wang G., Hong, X., Zuckerman, B., Wang, X. Maternal Dyslipidemia, Plasma Branched-Chain Amino Acids levels, and the Risk of Child Autism Spectrum Disorder: Evidence of Sex Difference. *J Autism Dev Dis* 2020; 50(2):540-550.

Panjwani, A., Ji, Y., Fahey, J.W., Palmer, A., Wang G., Hong, X., Zuckerman, B., Wang, X. Maternal Obesity/Diabetes, Plasma Branched-Chain Amino Acids (BCAAs), and Autism Spectrum Disorder Risk in Urban Low-Income Children: Evidence of Sex Difference. *Autism Res* 2019; 12(10):1562-1573.

Fahey, J.W., Wade, K.L., Stephenson, K.K., **Panjwani, A.**, Liu H., Cornblatt, G., Cornblatt, B., Ownby, S., Fuchs, E., Holtzclaw, W.D., Cheskin, L. Bioavailability of Sulforaphane Following Ingestion of Glucoraphanin-Rich Broccoli Sprout Extract with Active Myrosinase: A pilot study of the effects of proton pump inhibitor administration and tablet coating. *Nutrients* 2019; 11(7).

Fahey, J.W., Wade, K.L., Stephenson, K.K., Shi, Y., Liu, H., **Panjwani, A.**, Warrick, C., Olson, M.E. A strategy to deliver precise oral doses of the glucosinolates or isothiocyanates from *Moringa oleifera* leaves for use in clinical studies. *Nutrients* 2019; 11(7).

Panjwani, A., Liu, H., Fahey, J.W. Crucifers and related vegetables and supplements for neurologic disorders: what is the evidence? *Curr Opin Clin Nutr Metab Care* 2018; 21(6).

Ji, Y., Riley, A. W, Lee L, Hong, X., Wang, G., Tsai, H., Pearson, C., **Panjwani, A.**, Ji, H., Bartell, T. R., Burd, I., Fallin, M. D., Wang, X. Maternal biomarkers of acetaminophen use and offspring attention deficit hyperactivity disorder. *Brain Sci* 2018; 8(7).

Khan, S.S., Shah, S.J., Colangelo, L.A., **Panjwani, A.**, Liu, K., Lewis, C.E., Shay, C.M., Goff, D.C. Jr, Reis, J., Vasconcellos, H.D., Lima, J.A.C., Lloyd-Jones, D., Allen, N.B. Association of patterns of change in adiposity with diastolic function and systolic myocardial mechanics from early adulthood to middle age: the coronary artery risk development in young adults study. *J Am Soc Echocardiogr* 2018;31(12).

Panjwani, A., Heidkamp, R. Complementary Feeding Interventions Have a Small but Significant Impact on Linear and Ponderal Growth of Children in Low- and Middle-Income Countries: A Systematic Review and Meta-Analysis. *J Nutr* 2017; 147.

*Authors contributed equally to this manuscript

Presentations and Abstracts

Panjwani, A., Bailey, R.L., Lindemann, S., Kelleher, B.L. Ingestive Behaviors and Gut Microbiota in Children with Angelman Syndrome. (Submitted for 2024, Apr 8-9). In Wallace, G. (Chair), *Cross syndrome and multi-modal approaches to studying eating behaviors in NDD* [Symposium]. Annual Gatlinburg Conference, Kansas City, MO.

Panjwani, A., Bailey, R.L., S., Lindemann, Kelleher, B. L. (2023, Jul). Ingestive Behaviors, Diet Quality, and Gut Microbiota in Children with Angelman Syndrome. American Society for Nutrition Annual Meeting, Boston, MA.

Panjwani, A., Bailey, R.L., S., Lindemann, Kelleher, B. L. (2023, Jul). Ingestive Behaviors, Diet Quality, and Gut Microbiota in Children with Angelman Syndrome. [Invited oral presentation]. Annual Angelman Syndrome Foundation Scientific Symposium, Nashville, TN.

Panjwani, A., Bailey, R.L., Bowman, A.B., DeMaria, A., Felicicchia, R., Foti, D., Freeman, J., Hensel, J., Keehn, B., Lane, S., Lindemann, S., Liu, S., McCormick, C., McNally-Keehn, R., Paschou, P., Rispoli, M., Rochet, C., Wells, E., Schwichtenberg, A.J., Sereno, A., Shin, D., Kelleher, B. L. (2023, May 6-9). Feasibility and acceptability of a home-based collection method for identifying risk factors for autism spectrum disorder. International Society for Autism Research Annual Meeting. Stockholm, Sweden.

Panjwani, A., Bailey, R.L., Lindemann, S., Kelleher, B.L. Ingestive Behaviors and the Gut Microbiome of Individuals with Angelman Syndrome. (2022, Aug 1). Angelman Syndrome Foundation Ladder Learning Network Meeting. [Oral presentation]. Austin, TX.

Andrews, S., **Panjwani, A.**, Kelleher, B.L., Hamrick, L., Wheeler, A. Hyperphagia in Angelman Syndrome and Other Neurogenetic Syndromes. (2022, Aug 1-2). Annual Angelman Syndrome Foundation Scientific Symposium. [Oral presentation (co-presenter)]. Austin, TX.

Panjwani, A., Bailey, R.L., Lindemann, S., Kelleher, B.L. Ingestive Behaviors and the Gut Microbiome of Individuals with Angelman Syndrome. (2022, Aug 1-2). Annual Angelman Syndrome Foundation Scientific Symposium. Austin, TX.

Blake, C., DelVecchio, M., Kelleher, B.L., **Panjwani A.** Association of Food-related Sensory Sensitivities and Somatic Complaints in Children with Neurogenetic Syndromes. (2022, Apr 14). Purdue Undergraduate Research Conference. West Lafayette, IN.

Andrews, S., **Panjwani, A.**, Kelleher, B.L., Hamrick, L., Wheeler, A. Early Hyperphagia in Prader-Willi Syndrome Compared to Other Neurodevelopmental Disorders. (2021, Sep 30 - Oct 1). Foundation for Prader-Willi Research Annual Symposium, Virtual.

Panjwani, A., Bailey, R.L., Kelleher B.L. COVID-19 and Alterations in Behavior and Food-related Outcomes in Children with Autism Spectrum Disorder: Disparities by Income and Food Security Status. (2021, May 3-7). International Society for Autism Research Annual Meeting, Virtual.

Panjwani, A., Bailey, R.L., Kelleher, B.L. COVID-19 and Food-related Outcomes in Children with Autism Spectrum Disorder: Disparities by Income and Food Security Status. (2021, Apr 5-8). In Wheeler, A. & Kelleher, B. (Chairs), *What is the need, and what do we do? Innovations in assessing and treating families of individuals with neurodevelopmental disorders during COVID-19 and beyond* [Symposium]. Annual Gatlinburg Conference, Virtual.

Panjwani, A., Ji, Y., Fahey, J.W., Palmer, A., Wang G., Hong, X., Zuckerman, B., Wang, X. Maternal Multiple Metabolic Disorders, Plasma Branched-Chain Amino Acids (BCAAs), and Risk of Child Autism Spectrum Disorder Risk: Evidence of Sex Difference. (2020, May). International Society for Autism Research Annual Meeting. [Oral presentation (event cancelled due to COVID-19)]. Seattle, WA.

Aguilar, P., Smith, D., **Panjwani, A.** The Presence of Sensory Modalities in Neurogenetic Syndromes Compared to Low-risk Controls in the Purdue Early Phenotype Study. (2020, Apr 16). Purdue Undergraduate Research Conference. West Lafayette, IN.

Panjwani, A., Ji, Y., Fahey, J.W., Palmer, A., Wang G., Hong, X., Zuckerman, B., Wang, X. Maternal Obesity/Diabetes, Plasma Branched-Chain Amino Acids (BCAAs), and Risk of Child Autism Spectrum Disorder Risk: Evidence of Sex Difference (2019, Jun 8-11). American Society for Nutrition. Baltimore, MD.

Panjwani, A., Schulze, K., Wu, L., West, Jr., K. P., Christian, P. Inflammation during Pregnancy and Growth of Early School-Aged Children in Rural Nepal (2017, Apr 22-26). American Society for Nutrition. Chicago, IL.

Lutter, C., Mir, R., Pachon, H., Cheung, E., Sullivan, K., Creed-Kanashiro, H., **Panjwani, A.**, Escobar, J., Alam, K. ProPAN 2.0 (Process for the Promotion of Child Feeding): A Tool for Infant and Young Child Feeding Programming. *The FASEB Journal*. 2013;27:620.1.

Panjwani, A., Czech, M., Koh, S., Gruber, J., Halliwell, B., Penney, T., Routtenberg, A. 2010. Long-lasting Olfactory Memory in *C. elegans* with Mutation in Two Protein Kinase C (PKC) Isoforms. (2010, Nov 3-7). Society for Neuroscience Conference. San Diego, CA.

HONORS AND AWARDS

2019	George G. Graham Professorship Endowment, Department of International Health, The Johns Hopkins Bloomberg School of Public Health
2018	Harry J. Prebluda Fellowship in Nutritional Biochemistry, Department of International Health, The Johns Hopkins Bloomberg School of Public Health
2017	Harry D. Kruse Fellowship, Department of International Health, The Johns Hopkins Bloomberg School of Public Health
2017	Sight and Life Global Nutrition Research Institute/DSM Scholars Program, Department of International Health, The Johns Hopkins Bloomberg School of Public Health
2015	Bacon Chow Endowed Award, Department of International Health, The Johns Hopkins Bloomberg School of Public Health

2015 Feinberg Program in Public Health Teaching Assistant Award, Department of Preventive
Medicine, Northwestern University

PROFESSIONAL ACTIVITIES

Member/Associate:

2023 – Center on Aging and the Life Course, Purdue University
2023 – Outreach Committee, Department of Nutrition Science, Purdue University
2023 – Nutrition Science Learning Community, Department of Nutrition Science, Purdue University
2022 – 2023 International Programs Committee, College of Health and Human Sciences, Purdue University
2022 – Nutrition Honors Program, Department of Nutrition Science, Purdue University
2021 – Diversity, Equity, and Inclusion Science Consortium, College of Health and Human Sciences,
Purdue University
2020 – Purdue Autism Research Center, Purdue University
2020 – 2022 Postdoctoral and Graduate Diversity Equity and Inclusion Committee, Department of
Psychological Sciences, Purdue University
2019 – International Society for Autism Research
2016 – American Society for Nutrition

Practicum Participant:

2018 Dietary Supplement Research, National Institutes of Health - Office of Dietary Supplements

RESEARCH SUPPORT

Current:

Personalized Nutrition, Education, Physical Activity, Real Food, and Lifestyle Support \$10,000
(PEARL) for Improving the Health of Adolescents and Young Adults with Autism 10/1/23 – 9/30/24
Purdue Ingestive Behaviors Research Center (Role: PI)

Development of Flavor Masking for *Moringa oleifera* Leaf Powder and Broccoli Sprout \$5,000
Powder for Future Use in Clinical Trials in Individuals with Autism Spectrum Disorder 7/1/23 – 6/30/24
Purdue Autism Research Center Interdisciplinary Bridge Grant (Role: PI)

Completed:

Ingestive Behaviors and Gut Microbiota in Individuals with Angelman Syndrome \$100,000
Angelman Syndrome Foundation 8/1/21 – 7/30/22
(Role: MPI with MPIs Bridgette Kelleher, Regan Bailey, and Stephen Lindemann) NCE: 12/30/22

AD HOC REVIEWER

JAMA, Journal of the Academy of Nutrition and Dietetics, Nutritional Neuroscience, The Journal of Nutrition,
Public Health Nutrition, BMC Pediatrics