



Ying Zhu

Postdoctoral Scholar, Gastroenterology, Hepatology, and Nutrition

Bio

BIO

Dr. Ying Zhu is a postdoctoral scholar in the Rosen Lab, Department of Pediatrics, Division of Gastroenterology, Hepatology & Nutrition at Stanford University. She earned her PhD in 2023 from the Friedman School of Nutrition Science and Policy at Tufts University. In the Rosen Lab, Dr. Zhu investigates intestinal epithelial metabolic dysfunction in pediatric inflammatory bowel diseases and chronic intestinal inflammation. Her primary objective is to characterize metabolic reprogramming in ulcerative colitis epithelium and to identify defects that persist in patient-derived organoids, or colonoids. Her broader research interests lie in the interplay between intestinal energy metabolism and epithelial barrier homeostasis in children with ulcerative colitis.

INSTITUTE AFFILIATIONS

- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Gastroenterological Association (2024 - present)
- Member, American Society of Nutrition (2017 - present)

STANFORD ADVISORS

- Michael Rosen, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Patient-derived colon epithelial organoids reveal lipid-related metabolic dysfunction in pediatric ulcerative colitis.** *Nature communications* Ojo, B. A., Zhu, Y., Heo, L., Fox, S. R., Qiao, Y., Waddell, A., Moreno-Fernandez, M. E., Gibson, M., Tran, T., Dunn, A. L., Elknawy, E. I., Saini, N., López-Rivera, et al
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