Stanford

Ruth Schade

Academic Prog Prof 1, Genetics

Bio

EDUCATION AND CERTIFICATIONS

- PhD, Stanford University , Microbiology & Immunology (2024)
- MS, University of Georgia , Foods and Nutrition (2019)
- BS, University of Georgia , Nutritional Sciences (2019)

Publications

PUBLICATIONS

- **Rank-dependent control of tuft and BEST4 cell development in the intestine.** *Nature communications*
  Willms, R. J., McCabe, T., Jones, L. O., Schade, R., Foley, E.
  2026

- **Manipulation of feeding patterns in high fat diet fed rats improves microbiota composition dynamics, inflammation and gut-brain signaling.** *Physiology & behavior*
  Klingbeil, E. A., Schade, R., Lee, S. H., Kirkland, R., de La Serre, C. B.
  2024; 285: 114643

- **Transcriptional profiling links unique human macrophage phenotypes to the growth of intracellular Salmonella enterica serovar Typhi.** *Scientific reports*
  Schade, R., Butler, D. S., McKenna, J. A., Di Luccia, B., Shokoohi, V., Hamblin, M., Pham, T. H., Monack, D. M.
  2024; 14 (1): 12811

- **The gut-brain axis mediates bacterial driven modulation of reward signaling.** *Molecular metabolism*
  Kim, J. S., Williams, K. C., Kirkland, R. A., Schade, R., Freeman, K. G., Cawthon, C. R., Rautmann, A. W., Smith, J. M., Edwards, G. L., Glenn, T. C., Holmes, P. V., de Lartigue, G., de La Serre, et al
  2023; 75: 101764

- **Salmonella enterica serovar Typhi uses two type 3 secretion systems to replicate in human macrophages and colonize humanized mice.** *mBio*
  Hamblin, M., Schade, R., Narasimhan, R., Monack, D. M.
  2023: e0113723

- **Rat offspring's microbiota composition is predominantly shaped by the postnatal maternal diet rather than prenatal diet.** *Physiology & behavior*
  Schade, R., Song, L., Cordner, Z. A., Ding, H., Peterson, D. A., Moran, T. H., Tamashiro, K. L., Serre, C. l.
  2022; 258: 113987

- **Gut microbial taxa elevated by dietary sugar disrupt memory function.** *Translational psychiatry*
  Noble, E. E., Olson, C. A., Davis, E., Tsan, L., Chen, Y. W., Schade, R., Liu, C., Suarez, A., Jones, R. B., de La Serre, C., Yang, X., Hsiao, E. Y., Kanoski, et al
  2021; 11 (1): 194