

Kristen L. James

Graduate Group in Nutritional Biology
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Education

- 2017 - Present **Ph.D. Nutritional Biology, Emphasis in Genetics**
University of California, Davis
Graduate Group in Nutritional Biology
Mentor: Brian J. Bennett
- 2012 - 2016 **B.S. Biochemistry**
Seattle University
Core Honors
College of Science and Engineering Dean's List
Division 1 Tennis Player, 2 Year Team Captain

Professional and Research Experience

- 2018 - Present **Graduate Student Researcher**
USDA-ARS Western Human Nutrition Research Center, Davis, CA
- 2019 - 2020 **Community Education Specialist**
CalFresh Healthy Living University of California, Davis, CA

Publications

Published

- Excel Que*, **Kristen L. James***, Alisha R. Coffey, Tangi L. Smallwood, Jody Albright, M. Nazmul Huda, Daniel Pomp, Praveen Sethupathy, and Brian J. Bennett (2020). Genetic architecture modulates diet induced hepatic mRNA and miRNA expression profiles. *Genetics*. 2020 Sept 1;216(1): 241-259

Under Review

- **Kristen L. James**, Erik R. Gertz, Eduardo Cervantes, Ellen L. Bonnel, Charles B. Stephensen, Mary E. Kable, and Brian J. Bennett (2022). Diet, fecal microbiome, and trimethylamine n-oxide in a cohort of metabolically healthy United States adults. *Nutrients*.

* These authors contributed equally to this work.

Limited Distribution

- Protein Requirements Nutrition and Health Info Sheet (Professional) 2020. Available at: <https://nutrition.ucdavis.edu/outreach/nutr-health-info-sheets/pro-protein-requirements>
- Ketogenic Diet Nutrition and Health Info Sheet (Professional) 2020. Available at: <https://nutrition.ucdavis.edu/outreach/nutr-health-info-sheets/pro-ketogenic-diet>

Conferences

- TMAO response to a high-fat high-sugar meal challenge in generally healthy United States adults (abstract submitted). American Society of Nutrition (2022).
- Assessment of FMO3 SNPs in relation to TMAO in generally healthy United States adults (Speaker). American Society of Nutrition (2021).
- Determining the genetic regulation of trimethylamine N-oxide (TMAO) in female Diversity Outbred mice (Poster). FASEB, The Folic Acid, Vitamin B12, and One-Carbon Metabolism Conference (2020).

- Trimethylamine-N-Oxide (TMAO) is not associated with average daily intake of red meat or TMAO-precursor foods in a generally healthy population (Poster). American Society of Nutrition (2020).
- Utilization of a high-choline diet elicits genetic loci associated with TMAO (Speaker). GGNB Research Symposium (2019).
- Habitual beef consumption, plasma TMAO, and risk factors for Cardiovascular Disease (Poster). Aligning the Food System for Improved Nutrition in Animal Sourced Foods Conference (2019).

Fellowships and Grants

- Mar Family Dissertation Award (2021-2022).
- Leaders for the Future Fellow (2021-2022).
- Kirvin Knox Nutritional Biology Fellowship (2020).
- Henry A. Jastro Scholarship (2018-2019, 2019-2020).
- GGNB Fellowship (2017-2018).

Selected Lectures and Presentations

- Diet, fecal microbiome, and trimethylamine n-oxide in a cohort of metabolically healthy United States adults. GGNB New Student Recruitment (2022).
- Systems genetic studies of TMAO regulation and atherosclerosis. GGNB New Student Recruitment (2020).
- Utilization of a high-choline diet elicits genetic loci associated with TMAO. GGNB Research Symposium (2019).

Teaching

- Discoveries and Concepts in Nutrition: teaching assistant. University of California, Davis (2019-2020).

Mentoring

- Korrie Tugal. Trained and mentored undergraduate student intern who assisted in mouse work and experimental protocols (2020-2021).
- Nola Carter. Nutritional Biology Graduate Admissions Pathways Program (2020). *Program provides students with experiences in nutritional biology research with the goal of increasing the number of scientists from underrepresented groups.*

Academic Service

- GGNB Student Advisory Committee: President (2020-2021), Vice-President (2019-2020), Outreach Coordinator (2018-2019).
- UC Davis Graduate Student Association: Representative (2018-2019, 2019-2020), Alternate Representative (2017-2018).

References

- Brian J. Bennett (Doctoral mentor)
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 University of California, Davis
 Davis, CA 95616

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