

Brianna N. Lauren

brianna.lauren@tufts.edu | brianna.lauren130@gmail.com

916.220.3544

EDUCATION

- 2020 - Friedman School of Nutrition Science and Policy (*ongoing*)
Master of Science | Nutrition Epidemiology and Data Science
- 2018 Cornell University, College of Human Ecology
Bachelor of Science | Major: Human Biology, Health, and Society
GPA: 3.92/4.0
Relevant coursework: Quantitative Methods, Public Health Nutrition, Politics of Public Policy, Comparative Healthcare Systems, Nutrition and Disease, Biochemistry, Anatomy/Physiology, Genetics, Nutrient Metabolism, Calculus

RESEARCH EXPERIENCE

- 2020 - **Research Assistant, Project Lead**
Food Policy Review and Intervention Cost-Effectiveness (Food-PRICE)
Friedman School of Nutrition Science and Policy, Boston, MA
Principal Investigator: Dariush Mozaffarian, MD, DrPH
- Programs a simulation disease model that projects cardiometabolic disease outcomes for applications in nutrition policy analysis (coded in R).
 - Leads an analysis of a national healthy food prescription program for diabetes patients.
 - Reviews literature and prepares model inputs: policy effect size, diet-disease risk ratios, policy costs, and baseline characteristics (NHANES).
 - Runs model simulations and sensitivity analyses, analyzes cost-effectiveness, and drafts manuscript.
- 2018 - **Research Analyst, Project Administrator**
Healthcare Innovations Research and Evaluation Group
Columbia University Irving Medical Center, New York, NY
Principal Investigator: Chin Hur, MD, MPH
- Builds decision-analytic simulation models to answer questions related to optimal screening, surveillance, and treatment of various gastrointestinal cancers and disorders.
 - Conducts literature reviews for model parameters, programs the model (Python, R, C), runs model simulations and sensitivity analyses, analyzes results, and drafts manuscripts.
 - Writes and edits portions of grant applications.
 - Serves as the project administrator for the Esophageal Cancer Working Group of the NCI-sponsored Cancer Intervention and Surveillance Modeling Network (CISNET); Plans monthly calls and semi-annual meetings.
 - Serves as the project administrator for the Programmer's Group of CISNET; Organizes webinars and events at semi-annual meetings to promote model accessibility among the six cancer site working groups within CISNET.
- 2017 **Laboratory Assistant**
Baker Institute for Animal Health
Cornell University, Ithaca, NY
Principal Investigator: Colin Parish, PhD
- Provided technical assistance to post-doctorate and Ph.D. students studying the canine influenza virus and canine parvovirus.
 - Prepared buffers and culture media, performed bacterial transformations and purifications, and provided laboratory maintenance.
- 2015 - 16 **Undergraduate Research Assistant**

Division of Nutritional Sciences

Cornell University, Ithaca, NY

Principal Investigators: Barbara Strupp, PhD and Richard Canfield, PhD

- Examined choline's effect on stress reactivity as part of an overall project aiming to examine the effects of choline supplementation in pregnant women on cognition and behavior in the offspring.
- Developed an effective stress test protocol to measure cortisol reactivity.
- Managed data and used SAS to automate the scoring of online questionnaires.
- Wrote grant applications and received \$1000 from Rachel Dunifon, Associate Dean for Research and Outreach.

TEACHING EXPERIENCE

2017

Undergraduate Teaching Assistant

Department of Molecular Biology and Genetics

Cornell University, Ithaca, NY

Course: Principles of Biochemistry, Individualized Instruction

- Held 6 office hours per week to answer questions, grade quizzes, and administer oral exams catering to individual student's interests/abilities.

PUBLICATIONS

Lee M*, **Lauren B***, Zhan T, Cho J, Klebanoff MJ, Abu Dayyeh BK, Taveras E, Corey KE, Kaplan LM, Hur C. The cost-effectiveness of pharmacotherapy and lifestyle intervention in the treatment of obesity. *Obesity Science & Practice*. 2019 Dec 10;6(2):162-170.

Lauren B, Ostvar S, Silver E, Ingram M, Oh A, Kumble L, Laszkowska M, Chu JN, Hershman DL, Manji G, Neugut AI, Hur C. Cost-effectiveness analysis of biomarker-guided treatment for metastatic gastric cancer in the second-line setting. *Journal of Oncology*. 2020 Feb 17.

Omidvari AH, Ali A, Hazelton WD, Kroep S, Lee M, Naber SK, **Lauren BN**, Ostvar S, Richmond E, Kong CY, Rubenstein JH, Lansdorp-Vogelaar I, Luebeck G, Hur C, Inadomi J. Optimizing management of patients with non-dysplastic and low-grade Barrett's esophagus: a comparative modeling analysis. *Clinical Gastroenterology and Hepatology*. 2019 Dec 6.

PRESENTATIONS

Cost-Effectiveness of Cytosponge® Surveillance Following Endoscopic Eradication Therapy.
November 2019, CISNET Annual Meeting (*oral*)

PROFESSIONAL ASSOCIATIONS

American Public Health Association (2018 – Present)

American Society for Nutrition (2020 – Present)

SCHOLARSHIPS

Friedman School of Nutrition Science and Policy, MS Scholarship, 2020-2022: \$21,000 per year

SKILLS

Research: literature review, writing grants and manuscripts, project management

Technical: simulation modeling, cost-effectiveness analysis, data analysis, data visualization

Computer: Python, R/RStudio, C, git