

Jayati Sharma

jsharma6@jh.edu

www.linkedin.com/in/jayatisharma/

480.231.1253

EDUCATION AND TRAINING

Academic Education:

Johns Hopkins University	ScM in Epidemiology, Genetic	Expected May 2022
University of Arizona	B.S. Public Health, Quantitative Methods, Honors B.S. in Molecular & Cellular Biology Magna Cum Laude	May 2020
BASIS Scottsdale High School	High Honors Diploma	August 2012- May 2016

Honors and Awards:

2020	Magna Cum Laude Graduate
2019	Academic Year, Highest Academic Distinction
2018	Dean's List with Distinction
2016	National Merit Scholar

Professional Training:

Human Subjects Research Training

- CITI Human Subjects Protection Training June 2018
- CITI Social and Behavioral Research Investigators February 2018

Research Laboratory & Safety Services Training

- Basic Biosafety Protection July 2019

Licenses & Certifications

R Programming, Johns Hopkins University, Coursera	June 2019
Statistical Reasoning for Public Health, Johns Hopkins University, Coursera	July 2017
Health for All Through Primary Care, Johns Hopkins University, Coursera	July 2019

CORE SKILLS

- Working proficiency in R, Linux, Stata, High Performance Computing (HPC)
 - Working proficiency of NVIVO and REDCap
 - Trained in weight, height, waist circumference measures
 - Trained in collecting blood samples & interpreting HbA1c results
 - Fluent in speaking, reading, and writing in English, Hindi, & Spanish
 - Leadership and teamwork
 - Strong communication and presentation ability
 - Laboratory molecular biology methods (PCR, Western Blotting, Gel Electrophoresis, Bacterial Transformation)
-

RESEARCH EXPERIENCE

University of Arizona:

Undergraduate Student Researcher, Klimentidis Lab

May 2019-August 2020

PI: Yann Klimentidis, PhD

- Conducted an independent research study for Honors thesis in genetic epidemiology using R to statistically understand correlations between diet, genetics, and risk of cardiometabolic diseases from data of 500,000 participants in the UK Biobank
- Gained experience in conducting multiple genome-wide association studies (GWAS), Mendelian Randomization, and genetic risk score analysis using genetic software (such as MR Base)
- Developed a proposal in collaboration with 23andMe to study gene-environment interactions related to meat consumption and resulting causal links to cardio-metabolic diseases and cancers

Undergraduate Student Researcher, EPIC El Rio Study

July 2019-March 2020

Co-PI: Melanie Hingle, PhD, MPH, RDN

- Assisted in data collection (English & Spanish) for a study designed to ascertain health outcomes among mothers and children at high risk for Type 2 Diabetes receiving a short-term educational intervention
- Formally trained in the assessment of several biometric measures, including height, weight, waist circumference, and HbA1c protocol
- Trained in administering and verifying responses for a variety of questionnaires (e.g. PRAPARE, Tanner, FFQ)

Community Food Bank of Southern Arizona (CFB):

Research Consultant Intern, FRESH2 Study

June 2018-July 2020

PI: Melanie Hingle, PhD, MPH, RDN

- Analyzing and describing diet quality among food bank clients, to inform a nutrition intervention to help clients prevent and manage diet-related diseases
- Carrying out research on diabetes interventions in food banks to identify strategies for promoting diabetes care in food insecure populations
- Trained in qualitative research methodology, including conducting surveys and in-depth interviews, using qualitative data analysis software, and analyzing qualitative data using thematic analysis

Health & Nutrition Policy & Assessment Specialist Intern

May 2019-August 2019

- Led an in-depth review of several Feeding America food banks' nutrition policies and implementation strategies to structure recommendations for CFB, in collaboration with a graduate research assistant
- Researched and developed a proposal for a nutritional assessment system & to promote client health; presented to CEO, CPO, COO and Health Initiatives Team

Health & Nutrition Intern

October 2017-May 2019

Supervisor: Douglas Taren, PhD

- Executed a quantitative analysis of distributed food assistance foods through The Emergency Food Assistance Program (TEFAP)
- Generated a nutrient report using NDSR database and conveyed findings to Health & Nutrition team
- Report and findings resulted in change in inventory order for the CFB to source foods lower in salt, sugar, fats
- Participated in and contributed to several meetings informing future research opportunities to improve nutrition in CFB's food insecure clientele

The Akshaya Patra Foundation:**Research Intern****January 2015-August 2015**

- Self-designed an internship at Akshaya Patra HQ to examine micronutrient supplementation to mitigate anemia in schoolchildren through the organization's school-based midday-meal program
- Participated in multiple visits to preparation and distribution sites in Bangalore, India to understand menu and suggest changes based on India's dietary guidelines for iron-deficiency anemia
- Authored a book as result of the project, "*Feeding Dreams, One Meal at a Time: A Brief History of Akshaya Patra*"

Youth Ambassador**January 2016-Present**

- Organize and speak at community events to raise awareness/funds for hunger & malnutrition among Indian schoolchildren
- Collaborate with other youth ambassadors to brainstorm, execute, and participate in
- Past fundraising events have generated \$1800 to help feed schoolchildren in India

BASIS Scottsdale High School:**Capstone AP Research Project****August 2015-May 2016****Supervisor: Dr. Allison Scaling, PhD (Chemistry)**

- Investigated participants' level of acculturation through interviews & qualitative analysis
- Analyzed iron content of food samples using empirical chemical method and thoroughly reported
- Submitted to CollegeBoard, "Ironing Out the Differences: Acculturation and Iron Intake in First-Generation Mexican-Americans"; received perfect score and highest distinction from the CollegeBoard

PUBLICATIONS & ABSTRACTS

Peer-Reviewed Publications:

Pogreba-Brown K, Austhof E, Rosa Hernandez A, McFadden C, Boyd K, **Sharma J**, Battaglia S, Shilen A, Heslin K. Utilizing and Training Students for SARS-CoV-2 Case Investigations and Contact Tracing. Submitted to *Public Health Reports*. July 2020.

Short E, **Sharma J**, Thompson D, Taren D, Gonzalez R, Hingle M. Food Bank Client Perspectives on Food Assistance and Related Resources for Households Affected by Type 2 Diabetes: A Qualitative Study. Submitted to *Journal of the Academy of Nutrition and Dietetics*. June 2020.

Abstracts:

Sharma J, Klimentidis Y. Genetics of Meat Consumption & Cardiometabolic Disease. *The University of Arizona Public Health Poster Forum*. March 2020. *Canceled due to COVID-19

Hingle M, Short E, **Sharma J**, Taren D, Gonzalez R, Sheava J, Thompson D. Client-driven modifications to food assistance and related resources for households affected by Type 2 diabetes. *International Society for Behavioral Nutrition and Physical Activity Symposium*. October 2019. *Canceled due to COVID-19

Short E, **Sharma J**, Thompson D, Gonzalez R, Sheava J, Taren D, Hingle M. Client Preferences and Diabetes Management Guidelines Inform the Design and Elements of a Therapeutic Food Box Intervention. *Society for Behavioral Nutrition 2020 Rapid Communications Poster Abstracts*. November 2019. *Canceled due to COVID-19

Published Book:

Sharma J. *Feeding Dreams, One Meal at a Time: A Brief History of Akshaya Patra*. Amazon Kindle Direct Publishing. January 2016.

Articles:

Sharma, J. "There's More to Code than Code." Published by curators in *Better Programming*, on Medium. October 2019. [> 2.0K Reads]

PRESENTATIONS

Nutrition Assessment System (NAS) Development Proposal. Presentation with Health Initiatives Team to Community Food Bank CEO, CPO, & COO. June 27, 2019, Community Food Bank of Southern Arizona. [Oral Presentation]

OTHER SELECTED INVOLVEMENT

University of Arizona Department of Epidemiology & Biostatistics**Department Assistant, COVID-19 Task Force****March 2020-September 2020**

- Coordinating intervention, surveillance, and educational efforts across faculty members in the College of Public Health's Department of Epidemiology & Biostatistics
- Facilitating the onboarding of volunteers to the SAFER program via REDCap and assisted in the development of a robust, a virtual call center to contact individuals and determine COVID-19 cases in Pima County
- Communicating new and important information about public health efforts in response the COVID-19 pandemic to the broader COVID-19 Task Force
- Collecting and managing daily data from the Arizona Department of Health Services' COVID Data Dashboard for future epidemiological analyses & preparing IRB applications for further research aims

Arizona MEDLIFE**President****August 2018-May 2020**

- Organize bi-weekly meetings to educate members on international health issues and disparities
- Arrange outreach events in local community, with partners in various service areas
- Work collaboratively with other faculty and clubs on campus to generate awareness for public health issues, raise funds, and engage student body
- Lead all efforts to coordinate annual international service trips to South America (Ecuador & Peru) Personally participated in service learning trip to Tena, Ecuador and provided health assistance, care, and aid in development projects to rural, disadvantaged populations

Public Health Undergraduate Network (PHUN)**Professional Development Chair****May 2019-May 2020**

- Organize professional development workshops and opportunities for UA Public Health students to interact with professors, PH employers, and other peers
- Arranged events include a resume workshop, public health networking event with faculty, and LinkedIn information session

University of Arizona THINK TANK**Supplemental Instruction (SI) Leader, General & Organic Chemistry****August 2017-May 2019**

- Developed and lead dynamic, interactive, and collaborative sessions to facilitate student learning for 4 semesters in 2 semesters each of general and organic chemistry
- Direct engagement resulted in a grade improvement of up to 1 full letter grade in participating students
- Collaborated with co-workers and faculty members to develop effective chemistry sessions for students
- Led team of 6 other SI leaders in organic chemistry to organize content, facilitation strategies, and develop faculty engagement plan

University of Arizona Honors College**PATH Mentor****August 2017-May 2018**

- Advised 7 pre-health freshman and set up meetings thrice a semester to provide support in scheduling classes, using campus resources, and networking with professors to develop meaningful research experiences
- Attended and organized professional development lectures for graduate school careers and professional relationship-building

Akhil Bhartiya Gandharva Mahavidyalaya, India**June 2012-June 2020****Music Scholar, Bachelors (*Visharad*) in Indian Classical Music (Vocal) in 2020**

- Pursued a rigorous and comprehensive undergraduate degree in vocal Indian Classical Music through the premier musical institution in India

PROFESSIONAL MEMBERSHIPS

Society for Behavioral Medicine	2019-Present
International Genetic Epidemiology Society	2020-Present
American Public Health Association (APHA)	2020-Present

FUNDING SECURED

UA Honors Legacy Conference Award - \$800	02/2020
UA Honors Legacy Professional Development Award - \$400	02/2020
JHSPH Masters Tuition Scholarship	