



**Public Health Sciences**

**Faculty Research Methods Expertise**

<b>Name</b>	<b>Discipline/training</b>	<b>Expertise</b>
Joaquin Barnoya MD, MPH	Chronic Disease Prevention Epidemiology	Tobacco and obesity control in LMIC Mentoring and research capacity building
Ross Brownson PhD	Epidemiology	Evidence based public health practice Dissemination and Implementation
Yin Cao, ScD, MPH	Epidemiology Chronic Disease Prevention Cancer Genetics	Genetic, molecular, and nutritional epidemiology Disparities - young onset colorectal cancer Aspirin chemoprevention guidelines Decision modeling Personalized medicine
Su-Hsin Chang PhD	Chronic Disease Health Economics	Econometrics – instrumental variable estimation, two-part modeling, etc. Health economics Decision analysis
Graham Colditz MD, DrPH	Cancer Genetics Chronic Disease Prevention Epidemiology Health Disparities Health Economics	Prospective cohorts Meta-analysis Risk prediction Randomized trials Patient Centered Outcomes Research
Kia Davis, ScD, MPH	Chronic Disease Prevention Public Health Health Disparities	
Bettina Drake PhD, MPH	Chronic Disease Prevention Epidemiology Health Disparities	Disparities – prostate cancer epidemiology Cancer survival Minority accrual Community based participatory research
Feng Gao MD, PhD, MPH	Biostatistics Epidemiology	Correlated time-to-event data Multivariate longitudinal data Early phase oncology clinical trials
Jean Hunleth, PhD	Health Disparities Public Health	
Aimee James PhD, MPH	Health Disparities Social and Behavioral Science	Community based intervention for prevention Community based participatory research Cancer disparities – colon cancer Mixed methods and qualitative research

Erin Linnenbringer PhD	Cancer Genetics Health Disparities Social and Behavioral Science	Interactions of environmental and genetic factors influencing population health
Ying Liu MD, PhD	Chronic Disease Prevention Epidemiology Health Literacy	Longitudinal data Lifecourse epidemiology Breast cancer and premalignant breast disease
Esther Lu PhD	Biostatistics Shared Decision Making	Study design and clinical trials Survival data Propensity scores Methodological issues in observational studies Community based participatory research
Jingqin (Rosy)Luo PhD	Biostatistics Cancer Genetics	Change point models Diagnostic tests Bioinformatics- biomarker discovery, validation and predictive model development
Yikyung Park ScD	Chronic Disease Prevention Epidemiology	Nutritional epidemiology Cancer survival Measurement methods for diet and physical activity Cancer risk prediction
Mary Politi PhD	Health Disparities Health Literacy Shared Decision Making	Shared decision making Numeracy and health literacy Patient centered outcomes research Patient engagement
Siobhan Sutcliffe PhD, ScM, MHS	Biostatistics Chronic Disease Prevention Epidemiology	Infections and cancer Lifecourse epidemiology Prostate cancer and benign urologic conditions Nested study designs for acute and chronic conditions/events
Adetunji Toriola MD, PhD	Chronic Disease Prevention Epidemiology	Molecular cancer epidemiology Adiposity, biomarkers of inflammation, insulin resistance, and cancer risk/survival
Erika Waters PhD, MPH	Cancer Genetics Chronic Disease Prevention Health Disparities Health Literacy Social and Behavioral Science	Risk communication Health and risk communication Experimental research methods
Yan Yan MD, PhD	Biostatistics Clinical Epidemiology Epidemiology	Clinical epidemiology (developing, validating risk model and observational study methods) Bayesian design for phase 1 and 2 trials Patient centered outcomes research