TL1 Pre- and Post-Doctoral Fellowship Training Program

PRE-DOCTORAL AWARDEES

2024		
Investigator	**Primary Mentor(s)**	**Project Title**
Hyein "Sarah" Lee MD/PhD Candidate Department of Medicine, UMass Chan	**Apurv Soni, MD, PhD**	Investigating Rural-Urban Differences in Associations between Structural Racism and Suicide in the United States
Nathan Glassy, ALM PhD Student, Population and Quantitative Health Sciences, UMass Chan	**David Smelson, PsyD**	Examining relationships between dispositional mindfulness, response inhibition, depression, and drug craving among civilian populations with co-occurring mental health and opioid use disorders in Massachusetts
Natalia Nielsen, MPH PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Kate Lapane, PhD** **Maira Castaneda-Avila, PhD** **David Dosa, MD**	Spanish-speaking Hispanic/Latinos in US nursing homes: the role of language in mental health status and pain management
2023		
Investigator	**Primary Mentor(s)**	**Project Title**
Gretchen Weaver, MPH PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Sarah Forrester, PhD, MS**	Investigation of COVID-Related Discrimination and Racial Bias Experiences of Black and Latinx Research
Sydney Griger PhD Student, Biomedical Engineering, UMass Amherst	**Stacyann Bailey, PhD**	Predicting Risk of Spine Fractures in Patients with Breast Cancer Bone Metastasis
2022		
Investigator	**Primary Mentor(s)**	**Project Title**
Carly Herbert MD/PhD Student, Department of Medicine, UMass Chan	**Apurv Soni, MD, PhD**	Optimizing Use of Rapid Antigen Diagnostics for COVID-19
Pryce Michener MD/PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Peter Friedmann, MD**	Implementation of Medications for Opioid Use Disorder in Massachusetts Jails
Laël Ngangmeni, MBS MD/PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Kristin Mattocks, PhD, MPH**	Racial/Ethnic Differences in Provider Referrals and Perceptions of Prenatal Care among Pregnant Veterans
2020		
Investigator	**Primary Mentor(s)**	**Project Title**

Zachary Dyer, MPH MD/PhD Student, Genomics & Computational Biology, UMass Chan	**Jay S Himmelstein MD, MPH** **Arlene S Ash, PhD**	The Public-Private Payer Price Gap and its Impact on Equity
Julie Hugunin MD/PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Kate Lapane, PhD, MS**	Healthcare Utilization in Youth with Serious Mental Illness
Melissa Goulding, MS PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Stephenie Lemon, PhD**	Pediatric Hypertension: Screening and Management within the UMMHC System

Investigator	Mentor(s)	Project Title
Katarina Ferrucci, MS PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Kate Lapane, PhD, MS** **William Michael Jesdale, PhD**	Evaluation of eating disorder prevalence and provider clinical climate in the treatment and diagnosis of eating disorders among US transgender adults
Esther Boama-Nyarko, MPH PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Stephenie Lemon, PhD**	Disparities in Perinatal Mood and Anxiety disorders: Understanding differences in treatment participation for women of color in MCPAP for Moms and PRISM Interventions.

2018

Investigator	Mentor(s)	Project Title
Maira Castaneda-Avila, MS PhD Student, Clinical & Population Health Research, UMass Chan	**Mara Epstein, ScD** **Brian C. Lewis, PhD**	Health Care Utilization and Outcomes of Patients with Monoclonal Gammopathy of Undetermined Significance

2017

Investigator	Mentor(s)	Project Title
Karen Ashe, MS, MNSP PhD Student, Clinical and Population Health Research, UMass Chan	**Judith Ockene, PhD, MEd, MA**	Evaluating Changes in Family and Internal Medicine Preceptor Weight Management Counseling Knowledge, Attitudes and Self- efficacy After Completion of a Brief Training Program
Andrea A. Lopez-Cepero, MHSN PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Milagros C. Rosal, PhD** **Sharina D. Person, PhD**	Exploring the Role of Stress in the Association Between Weight Change and HbA1c Change: An Analysis of the Boston Puerto Rican in Health Study
Deborah S. Mack, MPH PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Kate Lapane, PhD, MS** **Brian C. Lewis, PhD**	Unequal Care in the Nursing Home: Evidence of Racial Disparities in Pain Management Among Nursing Home Residents with Cancer
Meera Sreedhara, MPH PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Stephenie Lemon, PhD**	Primary Prevention of Cardiovascular Disease Through Evidence-based Public Health: A Mixed Methods Assessment of Community Health Improvement Plan Implementation
Grace Masters MD/PhD Student, Population and Quantitative Health Sciences, UMass Chan	**Nancy Byatt, DO, MBA**	Recognition and treatment of bipolar disorder among pregnant and postpartum women in obstetric and psychiatric practices
Phillip Feinberg MD/PhD Student, Neurobiology, UMass Chan	**Dorothy Schafer, PhD**	Molecular and cellular dissection of the gut-brain axis in children with autism

2016

Investigator	Mentor(s)	Project Title
Alec Gramann MD/PhD Student, Program in Molecular Medicine, UMass Chan	**Craig J. Ceol, PhD**	Evaluating anti-GDF6 Treatment as Potential Therapy for Advanced Melanoma and Breast Cancer

Apurv Soni MD/PhD Student, Quantitative Health Sciences, UMass Chan	Jeroan Allison, MD, MSc	Understanding Predictors and Trends of Maternal and Child-Health in India at an Individual, Community, and Population Level: Challenges and Opportunities for Improvement
Jacob Hunnicutt, MPH PhD Student, Clinical and Population Health Research Program, UMass Chan	Kate Lapane, PhD, MS	Building the Evidence Base to Improve Pain Management in Nursing Home Residents with Cancer

POST DOCTORAL AWARDEES

2024		
Investigator	**Mentor(s)**	**Project Title**
Harris T. Feldman, MD Postdoctoral Fellow, Program in Digital Medicine, UMass Chan	**Apurv Soni, MD, PhD**	Characterization of Inflammatory Bowel Disease Flares using Electronic Medical Record and Home-based Collection of Data and Identifying Multimodal Predictors of Flares
2022		
Investigator	**Mentor(s)**	**Project Title**
Stephen Diggs, PhD Post-Doctoral Associate, RNA Therapeutics Institute, UMass Chan	**Andrei Korostelev, PhD** **Nikolaus Grigorieff, PhD**	Elucidating the molecular basis of ALS using high-resolution in situ cryo-EM
2020		
Investigator	**Mentor(s)**	**Project Title**
Attah Mbrah, MPH, PhD Postdoctoral Fellow, Population and Quantitative Health Sciences, UMass Chan	**Kate Lapane, PhD, MS** **Shao-Hsien Liu, PhD**	Patient, Facility Characteristics, and Post-Rehabilitation Outcomes After Joint Replacement Surgery Among Nursing Home Residents: A Systematic Review
Deborah Mack, MPH, PhD Postdoctoral Fellow, Population and Quantitative Health Sciences, UMass Chan	**Jennifer Tjia, MD, MSCE** **Kate Lapane, PhD, MS**	Statin Pharmacotherapy in US Nursing Homes
2018		
Investigator	**Mentor(s)**	**Project Title**
Andriana Foiles Sifuentes, PhD Postdoctoral Fellow, Population and Quantitative Health Sciences, UMass Chan	**Jennifer Tjia, MD, MSCE**	Beyond the Numbers: Mixed- Method Approaches to Addressing Disparities in Cardiovascular Disease

Matthew Harkey, PhD Postdoctoral Fellow, Population and Quantitative Health Sciences, UMass Chan	Kate Lapane, PhD, MS	A Novel Measure of Early Meniscal and Cartilage Integrity to Predict Accelerated Knee Osteoarthritis and Incident Meniscal Pathology

2017

Investigator	Mentor(s)	Project Title
Sarah Forrester, PhD, MS Postdoctoral Fellow, Quantitative Health Sciences, UMass Chan	Catarina I. Kiefe, PhD, MD	Cardiovascular Health Disparities: A Biopsychosocial Perspective
Essa Hariri, MD Resident Physician, Department of Medicine, UMass Chan	Jeffrey Rade, MD Robert Goldberg, PhD	Prostanoid Balance and Cardiovascular Risk

2016

Investigator	Mentor(s)	Project Title
Matthew Alcusky, PharmD, MS Research Fellow, Health Economics and Outcomes, UMass Chan	Kate L. Lapane, PhD, MS	Neglected by the Evidence: Pharmacoepidemiologic Research in Older Adults with Cardiovascular Disease
Vijaya T. Daniel, MD, MPH General Surgery Resident, Department of General Surgery; Surgical Research Scholar, UMass Chan	Heena P. Santry, MD, MS Beth McCormick, PhD Catarina Kiefe, PhD, MD	Microbial determinants of Gastrointestinal Perforation Incidence and Outcomes
Jonathan Green, MD General Surgery Resident, Department of General Surgery; UMass Center for Health and Social Media, UMass Chan	Jeremy T. Aidlen, MD, VACS, FAAP Sherry L. Pagoto, PhD	Implementation and Utilization of Mobile Technology in Adolescent Bariatric Surgery Patients