

Sanghyuk S. Shin

ADDRESS: Sue & Bill Gross School of Nursing
University of California Irvine
106F Berk Hall
Irvine, CA 92697
Email: ssshin2@uci.edu
Tel: 949-576-8675

EDUCATION:

2013 Doctor of Philosophy in Public Health, Global Health Track
Joint Doctoral Program, University of California, San Diego/San Diego State University

1998 Master of Science in Epidemiology
Harvard School of Public Health

1995 Bachelor of Science in Microbiology and Molecular Genetics
University of California, Los Angeles

PROFESSIONAL EXPERIENCE:

7/21 – Present Associate Professor
Sue & Bill Gross School of Nursing, University of California Irvine

7/17 – 6/21 Assistant Professor
Sue & Bill Gross School of Nursing, University of California Irvine

7/16 – 6/17 Assistant Professor In-Residence
Department of Epidemiology, Fielding School of Public Health, University of California
Los Angeles

7/15 – 6/16 Adjunct Assistant Professor
Department of Epidemiology, Fielding School of Public Health, University of California
Los Angeles

3/15 – 6/15 Adjunct Instructor
Division of Infectious Diseases, David Geffen School of Medicine, University of California
Los Angeles

1/14 – 5/14 Lecturer
Graduate School of Public Health, San Diego State University

6/13 – 2/15 Postdoctoral Scholar
Program in Global Health, Division of Infectious Diseases, David Geffen School of
Medicine, University of California Los Angeles

3/13 – 6/17	Staff Biostatistician Clinical Affairs, Beckman Coulter, Inc.
9/09 – 5/13	Research Specialist San Diego State University Research Foundation
12/07 – 3/13	Senior Biostatistician Clinical Research Department, Beckman Coulter
3/02 – 12/07	Project Coordinator FoodNet Project, California Emerging Infections Program
10/00 – 2/02	Health Information Officer Somalia Project, International Medical Corps
9/98 – 9/00	Epidemiologist/Data Manager Office of AIDS Surveillance, New York City Department of Health
9/97 – 7/98	Program Evaluation Assistant Women's Health Unit, Massachusetts Department of Public Health

PROFESSIONAL ACTIVITIES:

Peer review

Journals

- American Journal of Preventive Medicine
- American Journal of Public Health
- Antimicrobial Agents and Chemotherapy
- Asia Pacific Journal of Public Health
- BMC Health Services
- BMC Infectious Diseases
- BMC Medicine
- BMC Research Notes
- BMJ Open
- Clinical Infectious Diseases
- Clinical Nursing Research
- Drug and Alcohol Dependence
- Epidemiology and Infection
- Foodborne Diseases and Pathogens
- International Journal of Tuberculosis and Lung Disease
- Journal of Acquired Immune Deficiency Syndrome
- Journal of Epidemiology and Community Health
- Microbial Genomics
- Molecular Case Studies
- Tropical Medicine & International Health

Other

- UC Irvine ICTS Planning Grant Proposal Review Committee, 2022

- University of California Global Health Institute GloCal Fellowship Application, 2017, 2020
- Center for Population, Inequality and Policy (CPIP) Pre-study Section Mock Review, 2019
- International Union against Tuberculosis and Lung Disease Annual Meeting, Contributed Abstracts, 2016 - Present
- American College of Epidemiology Annual Meeting, Contributed Abstracts, 2015 - Present
- American Public Health Association Annual Meeting, Student Assembly Abstracts, 2013

NIH Scientific Review Panel

- Biology and Immunology of Bacteria and Other Pathogens (ZRG1 IDIB-B (02)), June 2021

Service to Scientific and Public Health Community

- Member, External Review Group (ERG) for the Framework for Collaborative Action on TB and Comorbidities, World Health Organization, 2021
- Member, Academic Editorial Board, *PLoS Global Public Health*, 2021 - Present
- Panelist, NIH Office of AIDS Research Early Stage Investigator Panel, 2021
- Co-Chair, TB-Mental Health Working Group, International Union against Tuberculosis and Lung Disease, 2019 – 2022
- Member, TB-Mental Health Working Group, International Union against Tuberculosis and Lung Disease, 2017 – 2019
- Member, Nation's Health Advisory Committee, American Public Health Association, 2011 - 2012

Service to School and Department

- Member, Excellence in Diversity Committee, 2022 - Present
- Member, Search Committee, SON Associate Dean of Research, 2022
- Co-Moderator, Towards a Holistic Understanding of the Pandemic, UCI SON COVID Research Symposium, May 2021
- Member, Faculty Affairs Committee, 2017 – 2019, 2020 - Present
- Member, Graduate Academic Programs & Evaluation Committee, 2017 – 2020
- Member, Tenure Track Faculty, 2017 - Present
- Member, Review Committee, Coulson Living Trust Summer Research Grant, Department of Epidemiology, Fielding School of Public Health, 2017
- Member, Admissions Committee, Department of Epidemiology, Fielding School of Public Health, 2016 - 2017
- Member, Planning Committee, Civil Surgeon Training: "Technical Instructions on TB & Immunizations: What Civil Surgeons in Los Angeles Need to Know", 2015 - 2016
- Member, Global Health Curriculum Review Committee, Joint Doctoral Program, University of California San Diego/San Diego State University, 2011 - 2012

College of Health Sciences Service

- Member, Inter-disciplinary Research Committee; 2018 – Present
- Facilitator, Small Group Discussion, Interprofessional Education Session 2: Pandemic Disease Response, Apr. 8, 2021

Campus service

- Faculty moderator, Panel 7, 1st Annual DREAM Project Fellowship Symposium; May 2021

- DREAM Program Fellowship mentor, 2020 - 2021
- Founding Director, UCI Infectious Disease Science Initiative; 2019 - Present
- DREAM Center UndocuAlly; 2018 - Present
- Faculty Panelist, DREAM Center Research Mentoring Workshop; Feb. 28, 2018
- TB Screening Consultation, UC Irvine Student Health Services, 2017

Community service

- Panel A “New Normal” Debunking Covid-19 Myths, An Lanh Free Clinic, 2021
- The Union Membership Engagement Team, Challenge TB India Project, 2018
- Member, North Korea MDR TB Program Delegation, Eugene Bell Foundation, 2015
- Founding Member, Bay Area Korean American Justice Coalition, 2005 – 2007

Professional society membership

- American Thoracic Society
- Infectious Disease Society of America
- International Union Against Tuberculosis and Lung Disease

Scientific consultation

- The Evaluation of Effectiveness and Safety of Modified Shorter Treatment Regimens for Rifampicin-Resistant Tuberculosis in Botswana; Botswana National TB Program, Ministry of Health and Wellness; Aug 2019 - Jul 2020.
- Data management and analysis capacity building for Botswana National TB Research Laboratory; US President's Emergency Plan for AIDS Relief (PEPFAR) - Botswana; Jul - Sep 2019.
- Statistical analysis for NOVEOS allergy testing panel to support 510(k) marketing approval from the US Food and Drug Administration; Hycor Medical; Aug - Dec 2018.
- Statistical design for Access antimüllerian hormone assay (AMH) clinical trial to support 510(k) Premarket Notification submission to the US Food and Drug Administration; Beckman Coulter, Inc; July - Dec 2017.

PROFESSIONAL DEVELOPMENT:

- Advanced TB Research Training Course, University of Washington, Sep. 13 – 17, 2021
- Faculty Hybrid Working Groups, UCI Division of Teaching Excellence and Innovation, July 2021
- QBioS Infectious Disease Modeling Workshop, May 17 – 18, 2021
- Introduction to Bayesian Mechanistic Modeling; UCI Data Science Initiative; March 26, 2021
- 12th Summer Institute in Statistics and Modeling in Infectious Diseases; University of Washington; July 13 – 29, 2020
- Introduction to Tuberculosis Modelling, 2019 Union Conference Post-Grad Course; Hyderabad, India; October 30, 2019
- Introduction to Deep Learning; UCI Data Science Initiative; May 17, 2019
- Flipped Classroom, Nursing Teaching Show and Tell #1; Irvine, CA; May 14, 2019
- Concept-Based Curriculum Development, Workshop delivered by Linda Caputi; Irvine, CA; May 10, 2019
- Exploring New Tools for Teaching, Division of Teaching Excellence and Innovation, Irvine, CA; April 18, 2019
- Making Group Work Work, Division of Teaching Excellence and Innovation, Irvine, CA; April 16, 2019
- Integrating Climate Change in Health Science Curricula, Irvine, CA; March 14, 2019
- Basic Needs Advocate Training; UCI Basic Needs Center, Irvine, CA; October 17, 2018

- AB 540 and Undocumented Student Information and Ally Training; UCI DREAM Center, Irvine, CA; September 7, 2018
- Quantitative tools for evidence-based public health: meta-analysis using R, APHA Learning Institute Short Course, Denver, Colorado, October 29, 2016
- Molecular and Genetic Epidemiology, McGill Summer Institute in Infectious Diseases and Global Health Short Course, Montreal, Quebec, Canada, June 20 – 24, 2016
- TB Research Methods Course: An Intensive Course on TB Research Methods, McGill University, Montreal, Quebec, Canada, July 14 – 18, 2014
- Cluster Randomized Trial Designs in Cancer Care Delivery Research, National Cancer Institute, May 3-5, 2022

HONORS AND SPECIAL AWARDS:

- Chancellor's Award for Excellence in Undergraduate Research Mentorship; May 2021
- Outstanding Faculty Mentorship Award, UCI Dream Center; May 2021
- Dean's Honoree Celebration of Teaching Award; Apr 2020
- First Place Prize, Building Education to Advance Research (BEAR) Cage Research Proposal Contest, American Thoracic Society Drug/Device Discovery and Development Committee, May 2017
- Weisman Discretionary Funding, UCLA Department of Epidemiology; Aug 2016
- Outstanding Reviewer Award, *Annals of Epidemiology*; Jul 2015
- Core Voucher Award, UCLA Clinical and Translational Sciences Institute; May 8, 2015
- Best Poster Presentation, Discovery Health Clinical Excellence Award; 4th Annual South Africa TB Conference; Durban, South Africa; Jun 17, 2014
- Global Health Gallery selection; IDWeek: A Joint Meeting of IDSA, SHEA, HIVMA, and PIDS; San Francisco, CA; Oct 6, 2013
- Best Poster Award; Lung Cancer, Smoking-Related Lung Diseases Poster Session; The 4th Asia Pacific Region Conference of the International Union Against Tuberculosis and Lung Disease, Apr 2013
- Mini-Grant, California State University Chancellor's Doctoral Incentive Program, Nov 2012
- Travel Award, 6th Summer Institute on Migration and Global Health, May 2011
- Travel Award, International Union Against Tuberculosis and Lung Disease - North American Region, Nov 2010
- Excellence in Innovation Award, Beckman Coulter, Inc., Aug 2010
- Distinguished Abstract Award, National Academy of Clinical Biochemistry, Jul 2010
- California State University Chancellor's Doctoral Incentive Program, Apr 2010
- Pearl Koch & Margot Pollak Memorial Scholarship, Mar 2010
- Best Paper Award, Statistics & Pharmacokinetics Section, Pharmaceutical Industry SAS Users Group Annual Meeting, May 2009
- Community Service Award, Bay Area Korean Media Association, 2006

MEDIA APPEARANCES AND INTERVIEWS

- "In Defectors from the North, Doctors in South Korea Find Hope (and Data)."; Undark; 6/20/2017
- "Don't panic or spread misinformation about coronavirus, UC Irvine scientists say"; OC Register; 2/10/2020
- "UC Irvine seminar tries to dispel myths about coronavirus outbreak"; LA Times; 2/11/2020
- "How South Korea Triumphed, and the US Floundered, Over the Pandemic"; The Nation; 3/20/2020
- "Hospitalizations Climb As Second Coronavirus Wave Exposes New Case Rate Fronts Across OC"; Voice of OC; 11/12/2020

- "State Officials Urge Two-Week Travel Quarantine as Second Coronavirus Wave Hits"; Voice of OC; 11/13/2020
- "Hospitalizations Climb As Second Coronavirus Wave Exposes New Case Rate Fronts Across OC"; Voice of OC; 11/18/2020
- "Thanksgiving Coronavirus Cases Begin to Rock Orange County Hospitals"; Voice of OC; 12/10/2020
- "Concern Over Coronavirus Variants"; Korea Daily; 2/3/2021
- "Orange County Reopens Tuesday as Herd Immunity, Vaccination Gap Concerns Persist"; Voice of OC; 6/14/2021
- "California K-12 Students Will Continue to Wear Masks Indoors, Says State Department of Public Health"; Voice of OC; 7/09/2021
- "Nursing's role in pandemic research"; UCI News; 8/2/2021
- "Voice of OC Public Town Hall: Get Your COVID-19 Questions Answered by Public Health Experts"; Voice of OC; 8/9/2021
- "OC Supervisors Do and Chaffee Block County Health Experts From Public Covid Updates"; Voice of OC; 9/2/2021
- "OC's Latino Community Still Behind on COVID-19 Vaccinations as Fears of a Winter Wave Surface"; Voice of OC; 11/1/2021
- "The omicron variant asks new questions with few answers"; SpectrumNews; 12/1/2021
- "Local Public Health Experts Say It's Too Early to Tell How Omicron Will Shape Pandemic in Orange County"; Voice of OC; 12/1/2021
- "Local Public Health Experts Say OC Residents Can Expect Winter COVID Surge Fueled by Omicron"; Voice of OC; 12/13/2021
- "San Diego County to end its troubled COVID-19 hotel program, residents fear what future holds"; inewssource; 12/16/2021
- "Orange County's COVID Hospitalizations Double in a Week"; Voice of OC; 12/31/2021
- "Looking for a COVID-19 test in Orange County? Many others are too"; OC Register; 12/31/2021
- "Classroom or Online Learning? Orange County Debates How to Teach Students During Omicron Spike"; Voice of OC; 1/13/2022
- "Orange County Residents Should Expect, Prepare For Indefinite COVID Waves"; Voice of OC; 3/29/2022

RESEARCH GRANTS AND FELLOWSHIPS:

UC Irvine Investing to Develop Center-Scale Multidisciplinary Convergence Research Programs Seed Funding Award

New data streams and predictive analytics for pandemic preparedness

8/1/2022 – 7/30/2024

Annual costs: \$75,000

Role: Co-Investigator

R01 AI170204-01A1 National Institute of Allergy and Infectious Diseases - NIH (PI: Shin)

The effect of HIV on SARS-CoV-2 transmission and emergence of variants of concern

07/05/2022 – 6/30/2026

Annual costs: \$596,211

Role: Principal Investigator

R01 AI147336-2 National Institute of Allergy and Infectious Diseases - NIH (PI: Shin)

Understanding Botswana-based stakeholders' perspectives on the risks and benefits of implementing genomic epidemiology studies of *M. tuberculosis* in a high HIV-prevalent country: A qualitative study

2/07/2021 – 1/31/2022

Annual costs: \$91,989

Role: Principal Investigator

R01 AI147336 National Institute of Allergy and Infectious Diseases - NIH (PI: Shin)

Improved understanding of TB transmission by accounting for within-host heterogeneity of *M. tuberculosis*: A population-based molecular epidemiology study in a high HIV prevalent setting

2/07/2020 – 1/31/2025

Annual costs: \$676,794

Role: Principal Investigator

R01AG069074 National Institute on Aging - NIH (PI: Lee, Rahmani)

A home-based, culturally and language specific intervention for dementia family caregivers: stress reduction and education with wearable technology for health.

09/15/2020 – 05/31/2025

Annual costs: \$763,220

Role: Co-Investigator

65328 CRDF Global Indo-US Joint Program on HIV/AIDS and STI Prevention Research Collaboration Award (PI: Shin, Shrinivasa)

The effect of HIV infection on molecular diagnostics for drug-resistant tuberculosis in India

10/08/2019 – 3/6/2022 (No cost extension)

Annual costs: \$120,000

Role: Co-Principal Investigator

UCI Institute for Clinical & Translational Sciences Campus-Community Research Incubator Program (PI: Pham, Nguyen)

COVID-19 prevalence and psychological distress among Vietnamese American cancer patients and other community members

7/7/2020 – 12/31/2020

Annual cost: \$19,940

Role: Faculty Sponsor

UCI Office of the Vice Chancellor for Research (MPI: Nyamathi, Gelberg)

COVID-19 Basic, Translational and Clinical Research Funding Opportunity

Exploration of the Impact of Homelessness on Risk for COVID-19 Infection and Substance Use Patterns among Substance-Using Homeless Adults

6/19/2020 – 5/31/2021

Annual cost: \$60,000

Role: Co-Investigator

UCI Office of the Vice Chancellor for Research (PI: Shin)

COVID-19 Basic, Translational and Clinical Research Funding Opportunity

Monitoring COVID-19 transmission at UC Irvine: Longitudinal immuno-prevalence surveillance among UCI students

5/21/2020 – 5/31/2021

Annual cost: \$60,000

Role: Principal Investigator

UCI Office of the Vice Chancellor for Research (PI: Nyamathi)
COVID-19 Basic, Translational and Clinical Research Funding Opportunity
Exploration of the Impact of Homelessness on Risk for COVID-19 Infection and Substance Use Patterns
among Substance-Using Homeless Adults
6/14/2020 – 5/31/2021
Annual cost: \$60,000
Role: Co-Investigator

UCI Office of the Vice Chancellor for Research (PI: Messaoudi, Bender)
COVID-19 Basic, Translational and Clinical Research Funding Opportunity
Undetected COVID-19 among Healthcare Providers at UCI Medical Center
4/14/2020 – 5/31/2021
Annual cost: \$60,000
Role: Co-Investigator

R21 MD013580 National Institute of Minority Health and Health Disparities - NIH (PI: Nyamathi)
Development of a Community-based HCV Treatment Completion Intervention Among HCV Positive Homeless
Adults
09/20/2019 – 06/30/2021
Annual costs: \$167,199
Role: Co-investigator

F31 HL149463 National Heart, Lung, and Blood Institute - NIH (PI: Pham)
Implementation and Effectiveness of CDC Guidelines for Green Card Applicants with Latent Tuberculosis
Infection
09/01/2019 – 08/31/2022
Annual costs: \$37,025
Role: Faculty Sponsor

R44 MH121219 National Institute of Mental Health - NIH (PI: Pinto)
mHealth application called CBCT Sessions to Treat and Reduce Elevated Stress among Students.
08/01/2019 – 05/31/2024
Annual Costs: \$224,995
Role: Co-Investigator

K01 MD013910 National Institute of Minority Health and Health Disparities - NIH (PI: Garfin)
Mindfulness-Intervention to Address PTSD in Trauma-Exposed, Homeless Women
07/01/2019 – 06/20/2024
Annual costs: \$131,479
Role: Co-Mentor

UC Irvine Office of the Provost and Vice Chancellor (PI: Shin)
UCI Infectious Disease Science Initiative
7/01/2019 – 6/30/2022
Annual costs: \$150,000
Role: Executive Director

R21 MD012696 National Institute of Minority Health and Health Disparities (PI: Nyamathi)
Nurse-Led Community Health Worker Adherence Model in 3HP Delivery among Homeless Adults at Risk for
TB Infection and HIV
4/3/2018 - 11/30/2020

Annual costs: \$231,866
Role: Co-investigator

CORCL Academic Senate Research and Travel Fund (PI: Shin)
Depression among Tuberculosis Patients in Botswana: A Pilot Cross-Sectional Prevalence Study
1/1/2018 – 6/30/2018
Annual costs: \$2,236
Role: Principal Investigator

K01 AI118559 National Institute of Allergy and Infectious Diseases - NIH (PI: Shin)
The Effect of Mixed-strain *M. tuberculosis* Infections on Treatment Outcomes
2/1/2015 – 1/31/2020
Annual costs: \$123,398
Role: Principal Investigator

R21 AI120838 National Institute of Allergy and Infectious Diseases - NIH (PI: Shin)
Utility of Deep Sequencing for Detecting Heteroresistant *Mycobacterium tuberculosis* Infections among HIV-infected Persons
8/1/2015 – 7/30/2018
Annual costs: \$187,777
Role: Principal Investigator

Productivity Investment Fund – Los Angeles County Quality and Productivity Commission (PI: Shin)
Partnership for TB Elimination: Preventing Tuberculosis Among Foreign Born Persons Seeking Permanent Residency in Los Angeles County
4/1/2016 – 6/30/2018
Annual costs: \$70,000
Role: Principal Investigator

R21 EB023679 National Institute of Biomedical Imaging and Bioengineering - NIH (PI: Medina-Marino)
Acceptability and feasibility of home-based TB testing of household contacts using a new, mobile point-of-care technology
9/1/2016 – 8/31/2018
Annual costs: \$136,819
Role: Senior Technical Advisor (Consultant)

AI28697 UCLA AIDS Institute and UCLA Center for AIDS Research Seed Grant (PI: Shin)
Molecular Epidemiology of Nosocomial TB Acquisition among HIV-infected Patients: A Pilot Cohort Study
4/1/2015 – 3/30/2017
Total costs: \$31,865
Role: Principal Investigator

T32 MH080634 National Institute of Mental Health – NIH (PI: Coates)
Postdoctoral Training in Global AIDS Prevention Research
6/1/2013 – 1/31/2015
Annual costs: \$334,677
Role: Postdoctoral Fellow

R36 DA033152 National Institute on Drug Abuse – NIH (PI: Shin)
Cigarette Smoking and Tuberculosis among Injection Drug Users in Tijuana, Mexico
5/01/2012 – 5/31/2013

Annual costs: \$50,000
Role: Principal Investigator

R13 DA028074 National Institute on Drug Abuse – NIH (PI: Novotny)
A Research Conference on Smoking Cessation within Tuberculosis Treatment Programs
3/15/2010 – 2/28/2011
Annual costs: \$50,000
Role: Research Specialist

R03 TW008361 Fogarty International Research Collaboration – NIH (PI: Novotny)
Susceptibility to Smoking Initiation Among Young Rural-Urban Migrants in China
9/1/2009 - 4/30/2012
Annual costs: \$50,000
Role: Research Specialist

LECTURES, PRESENTATIONS, AND TEACHING:

INVITED LECTURES

1. **Shin SS**, Novotny TE. Connecting the DOTS: Smoking cessation and Tuberculosis. Presented at: The World Health Organization China Office Tobacco Control Meeting; July 21, 2010; Beijing, China.
2. Lindsay RP, **Shin SS**, Robertson AM, Salgado H, Volkman TA. Rebuilding Haiti's public health infrastructure. Presented at: Haiti After the Quake: San Diego State University Global Health Symposium; Dec 7, 2010; San Diego, CA.
3. **Shin SS**. Smoking susceptibility among rural-to-urban migrant women in China. American Thoracic Society International Conference; May 21, 2012; San Francisco, CA.
4. **Shin SS**. Partnership for Tuberculosis Elimination: TB Prevention among Permanent Residency Applicants in Los Angeles County. The 6th Annual Meeting of the Tuberculosis Epidemiological Studies Consortium; Sep 18, 2015; Atlanta, GA.
5. **Shin SS**. Testing and treatment of *Mycobacterium tuberculosis* infections in Los Angeles County. University of Southern California Infectious Diseases Research Seminar; Nov 19, 2015; Los Angeles, CA.
6. **Shin SS**. Epidemiology of mixed-strain *Mycobacterium tuberculosis* infections in a high HIV-prevalent country. Second International Symposium on Tuberculosis: Clinical, Molecular, and Immunological Aspects; Dec. 9, 2015; Ensenada, Baja California, Mexico.
7. **Shin SS**. Epidemiology of mixed-strain *Mycobacterium tuberculosis* infections. Foundation for Professional Development Research Seminar; Mar. 15, 2016; Pretoria, South Africa.
8. **Shin SS**. TB Prevention among Permanent Residency Applicants in Los Angeles County: Preliminary Findings from a Pilot Study. Los Angeles County Department of Public Health Tuberculosis Control Program Update Meeting; Jan. 19, 2016; Los Angeles, CA.
9. **Shin SS**. Partnership for TB Elimination: Overview of Civil Surgeon Outreach Pilot Project in Los Angeles, California Tuberculosis Controller's Association Educational Conference; Mar. 7, 2017; Walnut Creek, CA.
10. **Shin SS**. The Epidemiology of Mixed *Mycobacterium tuberculosis* infections in Botswana. National Heart, Lung, and Blood Institute (NHLBI) Seminar; Aug. 22, 2017; Bethesda, MD.
11. **Shin SS**. Missed Opportunity for Cervical Cancer Prevention and Education among Women Receiving ART in rural Andhra Pradesh; Asha Nutrition Project Dissemination Workshop; Feb. 16, 2019; New Delhi, India.

12. **Shin SS.** Leveraging Next Generation Technology to Improve HIV, TB, and HPV Outcomes Among Underserved Populations; UCI-Danaher Dx Management of Infectious Diseases Roundtable; May 15, 2019; Irvine, CA.
13. **Shin SS.** Diversity in action: the epidemiology and clinical impact of mixed-strain *Mycobacterium tuberculosis* infections; UCI Division of Infectious Diseases Grand Rounds; August 29, 2019; Irvine, CA.
14. **Shin SS.** Mental health, substance use disorders and TB: overview of the joint burden. Presentation as part of the Symposium SP-40-C7: Addressing mental health and substance use disorders in TB: a must for people-centred TB care; 2019 World Conference on Lung Health; Oct 29 - Nov 3, 2019; Hyderabad, India.
15. **Shin SS.** Climate Change, Social Determinants, and the Global Threat of Infectious Diseases. Institute for Clinical and Translational Science (ICTS) Community Health Research Exchange (CHRE) meeting; January 24, 2020; Irvine, CA.
16. **Shin SS.** Genomic epidemiology of tuberculosis; UCI Division of Infectious Diseases Grand Rounds; March 18, 2021; Irvine, CA.

CONFERENCE SESSION MODERATOR

1. **Shin SS, O'Donnell MR, Theron G.** Infectiousness and Transmission of Tuberculosis; Mini-Symposium; The American Thoracic Society 2017 International Conference; May 19-24, 2017; Washington, DC (Session #D96).
2. **Shin SS, Galea J.** Symposium: Putting evidence into action: Integrating mental health treatment to end the TB emergency. 2019 World Conference on Lung Health; Oct 29 - Nov 3, 2019; Hyderabad, India.

TEACHING

- 2010 Guest Lecturer, UCSD Extension Academic Connections
"Smoking, Women, and Migration in China"; Global Health: Prevention & Epidemiology
- 2011 Guest Lecturer, San Diego State University
"Social Determinants of Tuberculosis"; Public Health 781: Global Health 2
"Introduction of Global Health"; Public Health 101: Intro to Public Health
"Social Determinants of Global Health"; Public Health 780: Global Health 1
- 2011 Teaching Assistant, San Diego State University
Public Health 780: Global Health I
- 2012 Guest Lecturer, San Diego State University
"Research Proposal Writing"; Public Health 664: Health, Society, and Human Behavior
"Social Determinants of Global Health"; Public Health 780: Global Health 1
- 2013 Guest Lecturer, San Diego State University
"Social Determinants of Global Health"; Public Health 780: Global Health 1
- 2014 Lecturer, San Diego State University
Public Health 880: Program Planning & Evaluation
- 2014 Guest Lecturer, University of California Los Angeles
"The Epidemiology of TB/HIV co-infection"; South American Program in HIV Prevention Research (SAPHIR)
- 2015 Guest Lecturer, San Diego State University

- “Sampling and Sample Size”; Public Health 880: Program Planning & Evaluation
- 2015 Guest Lecturer, UCLA
 “HIV Surveillance”; Epidemiology 227: AIDS: A Major Public Health Challenge
 “The Epidemiology of TB/HIV Co-infection”; ; Epidemiology 227: AIDS: A Major Public Health Challenge
 “Tuberculosis and HIV Co-infection: A Deadly Syndemic”; UCLA African American HIV University
 “The Epidemiology of TB/HIV co-infection”; South American Program in HIV Prevention Research (SAPHIR)
 “The Epidemiology of Mixed-strain *Mycobacterium tuberculosis* infections in Botswana”; Epidemiology 200A: Epidemiological Methods
- 2016 Instructor of Record, San Diego State University
 “Sampling and Sample Size”; Public Health 880: Program Planning & Evaluation
- 2016 Guest Lecturer, UCLA
 “The Epidemiology and Control of Tuberculosis”; Epidemiology 220: Principles of Infectious Disease
 Epidemiology
 “HIV Surveillance”; UCLA; Epidemiology 227: AIDS: A Major Public Health Challenge
 “The Epidemiology of TB/HIV Co-infection”; UCLA; Epidemiology 227: AIDS: A Major Public Health Challenge
 “The Epidemiology of TB/HIV co-infection”; South American Program in HIV Prevention Research (SAPHIR)
 “The Epidemiology of Mixed-strain *Mycobacterium tuberculosis* infections in Botswana”; Epidemiology 200A: Epidemiological Methods
- 2017 Guest Lecturer, UCLA
 “The Epidemiology and Control of Tuberculosis”; Epidemiology 220: Principles of Infectious Disease
 Epidemiology
 “HIV Surveillance”; UCLA; Epidemiology 227: AIDS: A Major Public Health Challenge
 “The Epidemiology of TB/HIV Co-infection”; UCLA; Epidemiology 227: AIDS: A Major Public Health Challenge
- 2017 Guest Lecturer, UC Irvine
 “Epidemiology Intensive”; NS 215 Health Promotion/Disease Prevention
 “Introduction to Epidemiology”; NS 170: Community-based Health Care
- 2018 Instructor of Record, UC Irvine
 NS 200: Research Methods and Evaluation for Evidence-Based Practice
 NS 247: Quantitative Research Designs in Nursing Science
- 2018 Guest Lecturer, UC Irvine
 “Research to combat TB, Drug-resistance, and TB/HIV co-infection”; NS 125 Research Methods and Applications in Health Care
 “Introduction to Epidemiology”; NS 170: Community-based Health Care
- 2019 Instructor of Record, UC Irvine
 NS 125: Research Methods and Applications in Health Care
 NS 247: Quantitative Research Designs in Nursing Science
 NS 223A: Biostatistics for Health Sciences I
- 2019 Guest Lecturer, UC Irvine

“Application of Epidemiologic Principles for Health Promotion: TB Case Studies”; NS 215 Health Promotion/Disease Prevention

“Introduction to Epidemiology”; NS 170: Community-based Health Care

2020 Instructor of Record, UC Irvine

NS 125: Research Methods and Applications in Health Care

NS 223B: Biostatistics for Health Sciences II

NS 223A: Biostatistics for Health Sciences I

2020 Guest Lecturer, UC Irvine

“Application of Epidemiologic Principles for Health Promotion: TB Case Studies”; NS 215 Health Promotion/Disease Prevention

“Introduction to Epidemiology”; NS 170: Community-based Health Care

2021 Instructor of Record, UC Irvine

NS 125: Research Methods and Applications in Health Care

NS 223B: Biostatistics for Health Sciences II

2021 Guest Instructor, UC Irvine

“Introduction to Epidemiology”; NS 170: Community-based Health Care

“Statistical Workshop for DNP Scholarly Projects”; Doctor of Nursing Practice Intersession

2022 Guest Instructor, UC Irvine

“Introduction to Epidemiology”; NS 170: Community-based Health Care

“Statistical Workshop for DNP Scholarly Projects”; Doctor of Nursing Practice Intersession

2022 Guest Instructor, UCLA

“Genomic Epidemiology of Tuberculosis”; Epidemiology 220: Principles of Infectious Disease
Epidemiology

MENTORING:

Postdoctoral Fellows/Early Career Faculty

- Dana Garfin, Assistant Researcher, UCI Sue & Bill Gross School of Nursing, 2017 - Present
 - o K01 Career Development Award, 2019
- Tamara Jimah, Postdoctoral Fellow, 2022 – Present
 - o GloCal Fellowship Award UC Global Health Institute, 2022
- Stephen Molldrem, Postdoctoral Fellow, 2019 – 2021
- Lucy Mupfumi, Postdoctoral Fellow, 2020 – 2021
 - o GloCal Fellowship Award UC Global Health Institute, 2020
- Kee Eom, Infectious Disease Fellow, UCI School of Medicine, 2019 - 2020

Doctoral Advancement/Dissertation Committee

- Heather Lynn Abraham, Doctoral student, UCI Sue & Bill Gross School of Nursing, 2021
- Yeonsoo Baik, Epidemiology doctoral student, UCLA Fielding School of Public Health, 2017 – 2019
 - o Recipient of the Judith Boyajian Travel Fellowship, 2017
 - o Recipient of the IUATLD North American Regional Travel Award, 2018
 - o Postdoctoral Fellow, Johns Hopkins University School of Public Health, 2019

- Postdoctoral Fellow, Perelman School of Medicine, University of Pennsylvania, 2021
- Chelsea Baker, Doctoral student, UCI Sue & Bill Gross School of Nursing, 2020 - Present
- Michelle Chan, Doctoral student, UCI Sue & Bill Gross School of Nursing, 2018
- Dina Elias, Doctoral student, UCI Sue & Bill Gross School of Nursing, 2018 – 2021
- Isaac Goldstein, Doctoral student, UCI Statistics, 2021 – Present
- Brook Jeang, Doctoral student, UCI Population Health, 2021
- Alexandria Jones-Patten, Doctoral student, UCI Sue & Bill Gross School of Nursing, 2019 – Present
 - Coda Robles Fellowship, 2019
 - Ellen Olshansky Scholarship, 2021
 - Public Impact Fellowship, 2021
 - California State University Long Beach PRE-Professor Program (PREPP), 2022
- Lucy Mupfumi, Doctoral Student, 2018 – 2020
- Valerie PhamDo, Doctoral student, UCI Sue & Bill Gross School of Nursing, 2018 – 2022
 - NIH National Research Service Award F31 Fellowship, Aug 2019
 - PhD advancement to candidacy, Oct 2019
 - Public Impact Fellowship, UCI Graduate Division, Nov 2019
 - PhD Nursing Science, Sep 2022
- Sarah Rodrigues, Doctoral student, UCI Sue & Bill Gross School of Nursing, 2020 – Present
- Trisha Saul, PhD Student, UCI Sue & Bill Gross School of Nursing, 2018 - 2020

Doctor of Nursing Practice Scholarly Project

- Kristine Pasco, DNP student, UCI Sue & Bill Gross School of Nursing, 2020 – Present

Master's Thesis - Reader

- Brittney Redick, Epidemiology MS student, UCLA Fielding School of Public Health, 2016
- Arrug Wibulpolbrasert, Epidemiology MS student, UCLA Fielding School of Public Health, 2016

Other Mentees

- Lao-tzu Allan-Blitz, Medical Student, UCLA David Geffen School of Medicine, 2014 - 2015
- Karis Barker, Undergraduate Student, UC Irvine, 2017 – 2018
 - Recipient of the UCI Undergraduate Research Opportunity Program Award
- Megan Bersamira, Master's Entry Program in Nursing student, UCI School of Nursing, 2019 - Present
- Joshua Billings, Medical Student, UCLA David Geffen School of Medicine, 2014 – 2015
- Jhon Carjuaz, Undergraduate Student, UCI Biological Sciences, 2020 – Present
 - Summer Undergraduate Research Program Fellow, 2021
- Juliana Chalfin, Undergraduate Student, UCI Sue & Bill Gross School of Nursing, 2020 – Present
 - Summer Undergraduate Research Program Fellow, 2021
 - Chancellor's Award of Distinction, 2022
- Zaira Chavez, Undergraduate Student, Human Biology & Society, UCLA, 2016 – 2017
 - Medical Student, University of Southern California 2019 entering class
- Ting Chow, Epidemiology MPH student, UCLA Fielding School of Public Health, 2015 – 2017
 - PhD in Epidemiology program at UCLA started in 2019
- Mayra Contreras, Masters Student, UCI Biomedical Engineering, 2020 - Present
- Diane Gu, Epidemiology doctoral student, UCLA Fielding School of Public Health, 2015 – 2017
 - Recipient of UCLA AIDS Institute Travel Award, 2016

- Recipient of CROI Young Investigator Scholarship, 2017
- Tiffany Hsu, Undergraduate student, Neuroscience, UCLA, 2015 – 2016
 - Recipient of the IUATLD North American Regional Travel Award, 2016
 - Fellow for the CDC Public Health Associate Program (PHAP), 2016 - 2018
- Lily Nguyen, Undergraduate Student, UCI Sue & Bill Gross School of Nursing, 2017 - 2019
 - Summer Undergraduate Research Program Fellow, 2018
 - SON Travel Award, 2019
- Stephanie Salazar, Cellular and Molecular Biology Gateway Ph.D. Minority Science Program (MSP), UC Irvine, 2020 – 2021
- Pranav Shetty, Epidemiology Master of Science student, UCLA Fielding School of Public Health, 2020 - Present
- Kaewalee Soontornmon, Epidemiology MPH student, UCLA Fielding School of Public Health, 2016 - 2017
 - Recipient of the IUATLD North American Regional Travel Award, 2017
- Adam Timms, Undergraduate Student, UCI Sue & Bill Gross School of Nursing, 2020
- Jacquelyn Valera, Master's Entry Program in Nursing student, UCI Sue & Bill Gross School of Nursing, 2019 – 2020
- Hannah Vasquez, Undergraduate Student, UCI Sue & Bill Gross School of Nursing, 2020 - Present
 - Summer Undergraduate Research Program Fellow, 2020
- Qiao Wang, Epidemiology MPH student, UCLA Fielding School of Public Health, 2016 – 2017
 - PhD in Epidemiology program at UCLA started in 2020
- Qingqing Wen, Epidemiology MPH student, UCLA Fielding School of Public Health, 2016 - 2017
 - Recipient of the IUATLD North American Regional Travel Award, 2017
- Lorren Yniguez, Master's Entry Program in Nursing (MEPN) student, UCI Sue & Bill Gross School of Nursing, 2020

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A. PEER REVIEWED ARTICLES (* Denotes advisee)

1. Sackoff JE, McFarland JW, **Shin SS**. Trends in prescriptions for highly active antiretroviral therapy in four New York City HIV clinics. *J Acquir Immune Defic Syndr* 2000;23(2):178-83.
2. Sackoff JE, **Shin SS**. Trends in immunologic and clinical status of newly diagnosed HIV-positive patients initiating care in the HAART era. *J Acquir Immune Defic Syndr* 2001;28(3):270-2.
3. **Shin SS**, Choi RY, Novotny TE. Economic sanctions against North Korea. *BMJ* 2009;b4069.
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B. MONOGRAPHS

1. **Shin SS**, Lindsay RP, Novotny TE. U.S. Tobacco-Related Cancer Incidence and Mortality and HIV. In *A Socioecological Approach to Addressing Tobacco-Related Health Disparities*. National Cancer Institute Tobacco Control Monograph 22. NIH Publication No. 17-CA-8035A. Bethesda, MD: U.S. Department of Health and Human Services, National Institutes of Health, National Cancer Institute; 2017.

C. PAPERS UNDER REVIEW (*Denotes advisee)

1. Jones-Patten A*, Wang Q*, Molebatsi K, Novotny TE, Siddiqi K, Modongo C, Zetola NM, Mbongwe B, **Shin SS**. Depressive symptoms are associated with cigarette smoking among tuberculosis patients in Botswana [Internet]. 2021 Sep p. 2021.09.14.21263357 Available from: <https://www.medrxiv.org/content/10.1101/2021.09.14.21263357v1>.

D. PREPRINTS AND PAPERS IN PREPARATION (RESEARCH COMPLETED) - *Denotes advisee

1. Goldstein I*, Bayer D, Barilar I, Kizito B, Matsiri O, Modongo C, Zetola NM, Niemann S*, Minin VN*, **Shin SS**. Investigating methods for using genetic data to estimate the association between host factors and being an infection source with application to probing the association between HIV infection and tuberculosis transmission [Internet]. 2021 Dec; doi:10.1101/2021.12.12.21267687. Available from: <https://www.medrxiv.org/content/10.1101/2021.12.12.21267687v1>
2. Chalfin JS*, Baker CR*, Kizito B, Otukile D, Ogopotse MT, **Shin SS**, Modongo C. Association between HIV co-infection and delayed diagnosis with tuberculosis bacterial load in setting with widespread antiretroviral therapy use. medRxiv 2022 [Preprint]. p. 2022.03.28.22273071 [cited 2022 Apr 1]. Available from: <https://www.medrxiv.org/content/10.1101/2022.03.28.22273071v1>.
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E. ABSTRACTS (*Denotes advisee)

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