



# SCERC Spring 2025 Research Symposium

*Shaping the Future of Work and Health Through Research and Technology*

April 4, 2025

UCLA Covell Commons | SV Grand Horizon Ball Room - 3rd Floor

330 De Neve Drive Los Angeles, CA 90095

**8:00 AM Registration, Light Breakfast, and Networking**

**9:00 AM Welcome and Opening Remarks**

Rachael Jones, PhD, CIH

Director, Southern California Education and Research Center

**9:15 AM R2P Toolkit for Occupational Safety and Health Professionals**

Monique Hosein, DrPH, MPH

Coordinator of Public Programs, UC Berkeley Labor Occupational Health Program (LOHP)

**10:50 AM Break**

**11:00 AM Breakout Presentations**

*A Technological Framework for Monitoring and Visualizing Rock Deformation in Underground Mines*

Nilufer K. Blanche Akbulut

PhD Student, University of Arizona and 23-24 SCERC PPRT Recipient

Room: SV West Coast - 3rd Floor

*Occupational Exposures Among Women Beedi Workers in Mysore District, India: A Mixed-Methods Study*

Priyanka Ravi, MDS

PhD Student, University of Arizona and 23-24 SCERC PPRT Recipient

Room: SV Grand Horizon - 3rd Floor

*Long Working Hours, Healthy Diets, and Cardiovascular Disease in U.S. Workers*

Xiang Li, MPH

PhD Student, UCLA Fielding School of Public Health and 23-24 SCERC PPRT Recipient

Room: SV North Ridge - 3rd Floor

**12:00 PM Lunch**

**1:00 PM Breakout Presentations**

*Automated Risk Assessment of Repetitive Occupational Tasks*

Heejin Jeong, PhD

Assistant Professor, Arizona State University and 23-24 SCERC PPRT Recipient

Room: SV West Coast - 3rd Floor

*Invisible Suffering and the Fight to Prosper: Farmworkers' Intersectional Experiences with Structural Violence*

Juan Carlos Ruiz Malagon, MS, MA

PhD Student, UC Irvine and 23-24 SCERC PPRT Recipient

Room: SV Grand Horizon - 3rd Floor

*Examining Interactions Between Non-Standard Work Arrangements and Occupational Requirements on the Risk of Ambulatory Disability: A Population-Level Analysis*

Sung S Park, PhD

Assistant Professor, University of Massachusetts Boston and 23-24 SCERC PPRT Recipient

Room: SV North Ridge - 3rd Floor

2:00 PM

**Break**

2:05 PM

**Poster Session - SV South Promenade**

1. Exploring Longitudinal Predictive Power of Work-Family Conflict on Changes in Perceived Stress: Across 4 Years: Evidence from the Midlife in Japan Study.  
a. **Presented by:** Mayumi Saiki, OEHN Trainee, SCERC
2. Climate Change and Autoimmunity: Pathways to Systemic Inflammation  
a. **Presented by:** Elizabeth Kohout, OEHN Trainee, SCERC
3. Wildfire PM2.5 and Cardiovascular Disease Per Emergency Department Visits  
a. **Presented by:** Rasha Saeed, Occupational Medicine Resident, SCERC
4. Assessing Health Risks to Electric Shuttle Bus Drivers by Evaluating PM2.5 Levels Inside and Outside the Shuttle Bus  
a. **Presented by:** Reilly Chow, UC Irvine, School of Biological Sciences
5. Evaluation of Airborne Exposures Associated with Grinding Applications of Plastic Compositated Brick  
a. **Presented by:** Srinidhi Sridharan, Industrial Hygiene Trainee, SCERC
6. Immigrant Disaster Workers in California: A Stopgap Workforce  
a. **Presented by:** Ivy Torres, Research Analyst, UCLA LOSH

2:40 PM

**Break**

2:45 PM

**Poster Session - SV South Promenade**

1. Exposure Assessment of Methylene Chloride in Chemical Laboratories at the University of California, Los Angeles following 2024 EPA Rule (RIN 2070-AK70)  
a. **Presented by:** Xochil Berenice Zarate, Industrial Hygiene Trainee, SCERC

2. Influence of Power and Power Differentials on Total Worker Health® : Environmental Service Workers in Healthcare Facilities

a. **Presented by:** Saisattha Noomnual, PhD, Postdoctoral Scholar, UCLA

3. Fiber Sampling Technique for Carbon Nanotubes (CNT): Advancing Exposure Assessment Methods

a. **Presented by:** Hope Davey, Industrial Hygiene Trainee, SCERC

4. Utilize an In Vitro Respiratory Model for Studying the Impact of Engineered Stone-Related Silicosis

a. **Presented by:** Elizabeth Choy, Targeted Research Training Program Trainee, SCERC

5. Assessing Health Risks to Electric Shuttle Bus Drivers by Evaluating the Levels of PM1.0 and PM2.5 Inside Shuttle Bus

a. **Presented by:** Michael Angerbauer, Occupational Medicine Resident, SCERC

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3:05 PM

**Break**

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3:15 PM

**Panel Discussion: Future of Work and Health**

**Moderator:** Rachael Jones, PhD, CIH

Director, Southern California Education and Research Center

**Panelists:**

**Marnie Dobson, PhD**

Director, Healthy Work Campaign

**Tia Koonse, JD, MURP**

Legal and Policy Research Manager,  
UCLA Labor Center

**Jian Li, PhD, MD, Dr.rer.sec**

Professor of Work and Health,  
UCLA Fielding School of Public  
Health and School of Nursing

**Ellen Reese, PhD**

Professor and Vice Chair of Society,  
Environment & Health Equity at UC Riverside  
Faculty Co-Director, UCR Inland Empire Labor  
& Community Center

**Olga Rodriguez-Aguirre, JD**

SAG-AFTRA, Executive Director/Co-  
Head, Entertainment Contracts

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4:25 PM

**Closing Remarks**

Rachael Jones, PhD, CIH & Lizbeth Diaz, MPH

Southern California Education and Research Center