

POSTER PRESENTATIONS

*= Student Presenter

DAIRY

1. The Healthy Dairy Worker Study

Presenter: *José Carmona, MPH, University of Washington

Co-author: Peter Rabinowitz, MD

2. Dairy Safety Kit: A Washington State Focused Dairy Training Solution

Presenter: Elena Austin, ScD, University of Washington

Co-authors: Amber Adams-Progar, PhD, Pablo Palmández, MS, Scott Dilley, MATS, Michael Yost, PhD

3. Carriage of MRSA among Dairy Farm Workers in the High Plains Region

Presenter: *Jessica Nuñez, Masters Candidate, Colorado State University

Co-authors: Stephen Reynolds, PhD, Bledar Bisha, PhD, Joshua Schaeffer, PhD

4. Injury Prevention on Pacific Northwest Dairies: Needs Assessment and Curriculum Development

Presenter: Brandy Foust, BS, Washington State University

Co-authors: Elena Austin, ScD, Pablo Palmández, MS, Michael Yost, PhD, Amber Adams-Progar, PhD

5. Hygienic Intervention and Its Effect on Nasal Inflammation and Microbiome in Dairy Workers

Presenter: *Grant Erlandson, MS, Colorado State University

Co-authors: Josh Schaeffer, PhD, Stephen Reynolds, PhD, Sheryl Magzamen, PhD, Ken Jones, PhD, Matthew Nonnenmann, PhD CIH, Julia Sharp, PhD

6. Culturally Congruent Training Program on Infectious and Zoonotic Disease Prevention for Latinx Dairy Workers

Presenter: I. Noa Román-Muniz, DVM, Colorado State University

Co-authors: Kayla Rink, MS, Lauren Menger, PhD, Lorann Stallones, MPH, PhD, Pablo Pinedo, John Rosecrance, PhD, Flor Amaya-Soto, MV

FISHING

7. Modern Day Alaskeros: Filipinos Working in Fish Processing at Dutch Harbor, AK

Presenter: Gabriel Garcia, PhD, University of Alaska, Anchorage

Co-author: Butch de Castro, PhD

8. Perceptions of Safety and What Makes a Good Crew in the Dungeness Crab Fleet

Presenter: Laurel Kincl, PhD, Oregon State University

Co-authors: Hayley Strenke, MPH, Kendall Dunlap, Amelia Vaughan, MLIS, Kaety Jacobson, MS

9. A Statistical Approach to Merge Varied Datasets for Comprehensive Injury Surveillance in Commercial Fishing

Presenter: Jasmine Nahorniak, MS, Oregon State University

Co-authors: Viktor Bovbjerg, PhD, Sabrina Pillai, MPH, Samantha Case, MPH, Laurel Kincl, PhD, CSP

10. Evaluation of PFDs by Vietnamese Commercial Fishermen in the Gulf of Mexico

Presenter: Ann Carruth, RN Southeastern Louisiana University

Co-authors: Jeff Levin, MD, Julie Sorensen, PhD, Jennifer Lincoln, PhD

FORESTRY

11. Dangers in the Woods/Root Causes Peligros en el Bosque: Causes raíces

Presenter: Carl Wilmsen, PhD, Northwest Forest Worker Center

Co-author: *Butch de Castro, PhD, Diane Bush, MPH, Marcy Harrington, MPA*

12. Intent to Adopt Location Sharing for Logging Safety Applications

Presenter: *Ann Wempe, MSc, University of Idaho

Co-authors: *Rob Keefe, PhD, Soren Newman, PhD, Travis Paveglio, PhD*

13. Evaluation of Wearable-Based Activity Recognition Modeling Applications for Logging Safety

Presenter: *Eloise Zimbelman, Graduate Research Assistant, University of Idaho

Co-author: *Rob Keefe, PhD*

14. Wearable Sensors to Assess Trunk Position in a Sample of Forestry Workers

Presenter: Federica Masci, Department of Health Sciences of University of Milan and International Centre for Rural Health of the Santi Paolo e Carlo ASST of Milan, Milano, Italy

Co-authors: *Giovanna Spatari, MD, Carmelo Mario Giorgianni, PhD, John Rosecrance, PhD*

15. Timber Faller Safety on Integrated Mechanized Operations in Steep Terrain

Presenter: Francisca Belart, PhD, Assistant Professor, Oregon State University

Co-author: *Viktor Bovbjerg, PhD*

16. Feasibility of Heat Acclimatization in Wildland Firefighters

Presenter: Evan Johnson, PhD, Assistant Professor, University of Wyoming

Co-authors: *Miranda Zamora, ATC, Joshua Loseke, CSCS, Carly Hibbs, Emily Schmitt, PhD, Tucker Readdy, PhD, DereK Smith, PhD*

17. Gene Expression of Peripheral Blood Mononuclear Cells during Heat Acclimation in Firefighters

Presenter: Emily Schmitt, PhD, University of Wyoming

Co-authors: *Evan Johnson, PhD, Miranda Zamora, ATC, Carly Hibbs, Joshua Loseke, CSCS, Derek Smith, PhD*

FARMING: Machinery

18. ATV Aware: An All-Terrain Vehicle Research and Safety Program

Presenter: Susan Harris-Broomfield, Educator, University of Nebraska

Co-authors: *Erin Howard, BS, Tracy Dethlefs, RN*

19. Youth and All-Terrain Vehicles in the Agricultural Industry

Presenter: *Guilherme de Moura Araújo, Graduate Student, University of California, Davis

Co-authors: *Farzaneh Khorsandi, PhD, Fadi Fathallah, PhD*

20. Crush Protection Devices for Agricultural All-Terrain Vehicles

Presenter: Farzaneh Khorsandi, PhD, University of California, Davis

Co-authors: *Hsiao-Yang Chou, Graduate Student, Eric Fong, Undergraduate Intern, Paul Ayers, PhD, Fadi Fathallah, PhD*

21. National ROPS Rebate Program (NRRP)

Presenter: Paul Ayers, PhD, University of Tennessee

22. Evaluation of Mechanical and Robotic Strawberry Harvest-Aids

Presenter: Fadi Fathallah, PhD, University of California, Davis

Co-author: *Vicente Munguia, MS, Stavros Vougioukas, PhD, Victor Duraj, BS*

FARMING: Climate and Air Quality Impacts

23. Gut Microbiome Profiles for Agricultural Workers Exposed to Exertional Heat, Dehydration, and Agricultural Pesticides

Presenter: Valerie Mac, PhD, Emory University

Co-authors: Vicki Stover Hertzberg, PhD, Dana B. Barr, PhD, Cynthia Striley, PhD, Jennifer Mulle, PhD, Malú Tansey, PhD, Linda McCauley, PhD

24. Knowledge, Beliefs and Practices of Midwestern Women Working in Agriculture Regarding Heat Stress

Presenter: *Jill Oatman, MPH Student, University of Nebraska

Co-authors: Ellen Duysen, MPH, COHC, Semi Lee, MPH, Lea Pounds, PhD, MBA, Terry Stentz, PhD, MPH, CPE, CPC, Aaron Yoder, PhD

25. Smoke, Wind, Rain: Extreme Weather Events and Occupational Safety in Agriculture

Presenter: Heather Riden, MA, University of California, Davis

Co-authors: Gail Wadsworth, Teresa Andrews, MS, Rebeca Giacinto, PhD, Julie Rainwater, PhD, Kent Pinkerton, PhD

26. Farmworkers' Perceptions on Wildfire Smoke

Presenter: *Idanis Cruz, BA Public Health-Global Health, University of Washington

27. Wildfire Respirator Information Project

Presenter: Whitney Pennington, MPH, Colorado State University

Co-authors: Peter Kolb, PhD, Kristin Pintauro, PhD, Joshua Scott, PhD, Joshua Schaeffer, PhD, Lorann Stallones, PhD, Stephen Reynolds, PhD, Marilee Long, PhD, John Volckens, PhD

28. Construction of a Recirculating Aerosol Wind Tunnel for Evaluating Particulate Deposition in the Nasal Airway

Presenter: *Joemy Ramsay, MS, University of Utah

Co-authors: Darrah Sleeth, PhD, MPH, CIH

29. Understanding Airborne Particulate Pollution in Imperial Valley, California

Presenter: *Savannah Mack, PhD Candidate, University of California, Davis

Co-authors: Keith Bein, PhD, Qi Zhang, PhD, Kent Pinkerton, PhD

FARMING: Safety and Injury

30. International Agriculture Health and Safety Standardized Survey Results for Gear up for Ag College Students

Presenter: David Sullivan, Adv. Dip FBM, Ag Health and Safety Alliance

Co-authors: Carolyn Sheridan, RN, BSN

31. International Collaboration to Improve Safety Culture and Risk Management among Vulnerable Populations in Agriculture

Presenter: Athena Ramos, PhD, University of Nebraska Medical Center

Co-authors: Laura Girdžiūtė, PhD, Helle Birk Domino, MSc, Claudia Cordovil, PhD, Jože Starič, DVM, Adrianus de Rooij, MD, Jarkko Leppälä, PhD

32. Leveraging Crash Data for Injury Surveillance in the Southwest Agricultural Region

Presenter: Eva Shipp, PhD, Texas A&M Transportation Institute-Center for Transportation Safety

Co-authors: Amber Trueblood, DrPH, Hye-Chung Kum, PhD, Tanya Garcia, PhD, Shubhangi Vasudeo, MPH, Jisung Kim, Data Scientist, Marcelina Perez, MS

33. Agricultural Injuries in the Central States Region: Summary of 2011-2015 Data

Presenter: *Anthony Johnson Jr, MS, University of Nebraska

Co-authors: Kelsie Musil, MS, MPH, Ellen Duysen, MPH, Risto Rautiainen, PhD

34. Adoptability of Orchard Ladders with Shorter Rung Spacing

Presenter: Victor Duraj, BS, University of California, Davis

Co-authors: Tyler Hunter, BS, Fadi Fathallah, PhD

35. Recognizing and Reducing Safety Hazards in Northwest Potato Production

Presenter: *Rachel Phinney, Graduate Student, Boise State University

Co-authors: Cynthia Curl, PhD, Karin Adams, PhD, Matthew Blua, PhD

36. Hazard Mapping: A Tool to Identify Health & Safety Hazards in Agriculture

Presenter: Isabel Flores Garcia, BSHA, University of California, Davis

Co-authors: Heather Riden, MA

37. Biochemical and Physiological Dynamics in Ligament Injury and Hand Healing

Presenter: *Amjad Ramahi, PhD Student, University of California Davis

Co-authors: Fadi Fathallah, PhD, Tom Jue, PhD

38. Injury and Severity in Greenhouse and Nursery Workers: Can Data Drive Prevention through Engineering Design?

Presenter: Katherine Schofield, PhD, University of Minnesota, Duluth

Co-author: Abigail Clarke-Sather, PhD

39. Personal Protective Equipment Use among Farmers in Nebraska, Latvia, Lithuania, and Slovenia

Presenter: Chandran Achutan, PhD, CIH, University of Nebraska

Co-authors: Kaspars Kampuss, PhD, Laura Girdžiūtė, PhD, Kaunas, Lithuania, Gediminas Vasiliauskas, PhD, Jože Starič, DVM, Risto Rautiainen, PhD,

40. Improving the Job Satisfaction of Agricultural Workers to Build a More Sustainable Workforce

Presenter: Malcolm Hobbs, PhD, University of California, Davis

Co-authors: Monica Cooper, PhD

41. Contribution Analysis: Measuring Behavior and Workplace Change

Presenter: Sharon L. Newbill, PhD, Folkstone: Evaluation Anthropology

Co-authors: Amanda Wickman, MBA

42. Sexual Harassment Prevention in Agriculture: Evaluating a Tailored and Multilevel Worksite Intervention in Washington state

Presenter: *Dennise Drury, MPH Student, Pacific Northwest Agricultural Safety and Health Center

Co-authors: Elizabeth Torres, BS, Michael Yost, PhD, Victoria Breckwich-Vasquez, DrPH, Jody Early, PhD

43. Interactive Education and Motion Graphics to Deliver Ag Health and Safety Programs

Presenter: Carolyn Sheridan, RN, Ag Health and Safety Alliance

Co-authors: David Sullivan, Adv. Dip FBM, Ag Health and Safety Alliance

44. Academia, Extension, and Communities Use Theater to Change the Health and Safety of Farm Families

Presenter: Deborah Reed, PhD, MSPH, RN, University of Kentucky

Co-authors: Deborah Claunch, BBA, Debra McCallum, PhD

FARMING: Education

45. Considerations for Communicating Safety Information to a Diverse Stakeholder Audience in Western Ag

Presenter: Kara Schilli, University of California, Davis

Co-authors: *Teresa Andrews, MS, Heather Riden, MA*

46. NIOSH Ag Centers Partner on “Telling the Story” Project

Presenter: Scott Heiberger MS, National Children’s Center for Rural and Agricultural Health and Safety

Co Authors: *Melissa Ploeckelman, PhD, Aaron Yoder, PhD, Ellen Duysen, MPH, Stephanie Leonard, MS*

47. Application of a Social Network Analysis to Assess Connectedness within the Agricultural Community

Presenter: Cheryl Beseler, PhD, Colorado State University

Co-authors: *Annie Keeney, PhD, Lorann Stallones, PhD*

48. Home Grown: Rural Nurses Trained to Serve Farmers and Ranchers

Presenter: Natalie Roy, MPH, AgriSafe Network

49. Wyoming Good Riding Practices (WyGRiP) Project

Presenter: Jeremiah Vardiman, Northwest Area Extension, University of Wyoming

Co-authors: *Jeff Edwards, MS, Brian Sebade, MS, Hudson Hill, MS*

50. Health Effects of Exposure to Cannabis in Workers in an Indoor Growing Facility

Presenter: Christopher Simpson, PhD, University of Washington

Co-author: *Niloufar Ghodsian, MS, Cora Sack, PhD, Karen Jansen, MS*

51. Tribal Bison Workers –Imminent Dangers, Surveillance and Practical Solutions

Presenter: Ellen Duysen, MPH, COHC, University of Nebraska

Co-authors: *Lucia Finocchiaro, MPH, Risto Rautiainen, PhD, Clayton Kelling, DVM*

52. HEALWA: Authoritative Information for Washington Healthcare Providers

Presenter: Patricia Devine, MLS, HEALWA Program

53. Preparing for Emerging Agricultural Health Threats

Presenter: Natalie Roy, MPH, AgriSafe Network