

# NIOSH Annual Science Awards 2015

## Congratulations Awardees!

### James P. Keogh Award

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Kathleen Kreiss, M.D.

### Alice Hamilton Award

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#### EDUCATION AND GUIDANCE

**Awardee:** Bruce Bernard, Kim Brinker, Roland Berryann, Yvonne Boudreau, Scott Brueck, Nancy Burton, Claire Caruso, Aitor Coca, Kristin Cummings, Maryanne D'Alessandro, Lisa Delaney, Marie de Perio, Chad Dowell, Judith Eisenberg, Renee Funk, Brenda Jacklitsch, Max Kiefer, F. Selcen Kilinc-Balci, Bradley King, Jung Hyun Kim, Kathleen MacMahon, Lauralynn McKernan, Mark Methner, Leslie Nickels, R. Todd Niemeier, Sophia Ridl, Ted Scharf, Ronald Shaffer, Jill Shugart, Warren Williams, additional authors from NCEZID, OSHA, EPA, and OSSAM

*Ebola Interim Guidance Products*

**Honorable Mention:** Sherry Baron, Leslie Nickels, Christy Forrester, Maureen Sheahan, Laura Stock

*Caring for yourself while caring for others: training for homecare workers.*

**Honorable Mention:** Thomas Cunningham, Ray Sinclair

*Application of a model for delivering occupational safety and health to smaller businesses: case studies from the U.S.*

#### ENGINEERING AND CONTROLS

**Awardee:** Ren Dong, Daniel Welcome, Donald Peterson, Xueyan Xu, Thomas McDowell, Christopher Warren, Takafumi Asaki, Simon Kudernatsch, Antony Brammer

*Tool-specific performance of vibration-reducing gloves for attenuating palm-transmitted vibrations in three orthogonal directions.*

**Honorable Mention:** Daniel Welcome, Ren Dong, Xueyan Xu, Christopher Warren, Thomas McDowell

*The effects of vibration-reducing gloves on finger vibration.*

#### EPIDEMIOLOGY AND SURVEILLANCE

**Awardee:** W. Karl Sieber, Cynthia Robinson, Jan Birdsey, Guang-Xiang Chen, Timothy Hitchcock, Jennifer Lincoln, Akinori Nakata, Marie Sweeney  
*Obesity and other risk factors: the national survey of U.S. long-haul truck driver health and injury.*

**Honorable Mention:** Tania Carréon, Misty Hein, Kevin Hanley, Susan Viet, Avima Ruder

*Coronary artery disease and cancer mortality in a cohort of workers exposed to vinyl chloride, carbon disulfide, rotating shift work, and o-toluidine at a chemical manufacturing plant.*

**Honorable Mention:** Srinivas Konda, Audrey Reichard, Hope Tiesman, Scott Hendricks

*Non-fatal work-related traumatic brain injuries treated in US hospital emergency departments, 1998–2007.*

#### EXPOSURE AND RISK ASSESSMENT

**Awardee:** Eric Esswein, John Snawder, Bradley King, Michael Breitenstein, Marissa Alexander-Scott, Max Kiefer

*Evaluation of some potential chemical exposure risks during flowback operations in unconventional oil and gas extraction: preliminary results.*

**Honorable Mention:** Kristin Musolin, Jessica Ramsey, James Wassell, David Hard

*Prevalence of carpal tunnel syndrome among employees at a poultry processing plant.*

#### METHODS AND LABORATORY SCIENCE

**Awardee:** Sreekumar Othumpangat, John Noti, Donald Beezhold

*Lung epithelial cells resist influenza A infection by inducing the expression of cytochrome c oxidase VIc which is modulated by miRNA 4276.*

**Awardee:** Eun Gyung Lee, Larry Lee, Carsten Möhlmann, Michael Flemmer, Michael Kashon, Martin Harper, Taekhee Lee, Seung Won Kim, Jhy-Charm Soo

*Evaluation of pump pulsation in respirable size-selective sampling: part I. Pulsation measurements.*

*Evaluation of pump pulsation in respirable size-selective sampling: part II. Changes in sampling efficiency.*

*Evaluation of pump pulsation in respirable size-selective sampling: part III. Investigation of European standard methods.*

### Bullard-Sherwood Research-to-Practice (r2p) Award

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#### KNOWLEDGE

**Awardee:** Steven Wurzelbacher, Alysha Meyers, David Utterback, Teresa Schnorr, P. Timothy Bushnell, Stephen Bertke, Jennifer Bell, Jill Raudabaugh, Regina Pana-Cryan, John Sestito, Raymond Sinclair, Abay Getahun Asfaw, Anasua Bhattacharya, James Harris, Jamie Lancaster, Chih-Yu Tseng, Jean Geiman, Patricia Laber, Lisa Thomas, Chia Wei, Steven Allee, Denise Giglio, Kim Jenkins, Lian Luo, Cheryl Estill, Susan Nowlin, Srinivas Konda, Audrey Reichard, Brian Lowe, Ming-Lun Lu, Mary O'Connor, Joanna Watson, Vernon Anderson, Tapas K. Ray, Stephen Hudock, Elizabeth Whelan, Kathleen Waters, Steve Inserra, Sarah Felknor, Marie Sweeney, Amy Mobley, Greg Hartle, Dovie Randolph, Rick Cassinelli, Dawn Castillo, Corey Butler, Megan Casey, Lynne Pinkerton, Chia-Chia Chang, Gregory Wagner, Sara Tamers, Charles Oke, Melissa Corcoran, Frank Hearl  
*Center for Workers' Compensation Studies*

#### INTERVENTION

**Awardee:** Rebecca Guerin, Andrea Okun, Carol Stephenson, Rachel Ullah, Amy Filko, Vanessa Williams, John Lechlitter, Gino Fazio, Stephen Leonard, Seleen Collins, Joseph Cauley

*New and Updated NIOSH Youth@Work—Talking Safety Curriculum*

**Honorable Mention:** Duane Hammond, Andrew Cecala, Jay Colinet, Alberto Garcia, Kenneth Mead, Alan Echt, Stanley Shulman, Michael Gressel, Jeanne Zimmer, Liming Lo, Gerald Joy, Ronald Kovein, David Marlow, Misty Hein, Daniel Farwick, Dawn Farwick, Trudi McCleery, Ronald Hall, Jennifer Topmiller, G. Scott Earnest, Brenda Jones, Gino Fazio

*Silica Dust Controls for Asphalt Pavement Milling Machines*

#### TECHNOLOGY

**Awardee:** Thomas Bobick, Eugene McKenzie, Douglas Cantis

*Development, Evaluation, and Commercialization of the NIOSH Multi-functional Guardrail System*

### Director's Intramural Award for Extraordinary Science

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#### DISTINGUISHED CAREER SCIENTIST

Raymond Roberge, M.D.

#### EARLY CAREER SCIENTIST

Cara Halldin, Ph.D.

#### SCIENTIFIC SUPPORT

Jerry Kratzer