### NIOSH Annual Science Awards 2015

**Congratulations Awardees!**

#### James P. Keogh Award
Kathleen Kreiss, M.D.

#### Alice Hamilton Award

**EDUCATION AND GUIDANCE**

Awardees: Bruce Bernard, Kim Brinker, Roland Berryann, Yvonne Boudeau, Scott Brueck, Nancy Burton, Claire Caruso, Astor Coca, Kristin Cummings, Maryanne D’Alessandro, Lisa Delaney, Marie de Penin, Chad Dowell, Judith Eisenberg, Renee Funk, Brenda Jacklitch, Max Kiefer, F. Selcen Kline, Bati, Bradley King, Jung Hyun Kim, Kathleen MacMillan, Laurynn McKim, Mark Metheny, Leslie Nickels, P. Todd Niemoier, Sophia Ritt, Ted Scharf, Ronald Shaffer, Jill Shugart, Warren Williams, additional authors from NCEZID, DSHA, ERA, and OSSM Etohe 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

Awardees: Rien 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, Rien Dong, Xueyan Xu, Christopher Warren, Thomas McDowell

The effects of vibration-reducing gloves on finger vibration.

#### EPIDEMIOLOGY AND SURVEILLANCE

Awardees: W. Karl Seiber, Cynthia Robinson, Jan Bisdya, Guang Xiang Chen, Timothy Hitchcock, Jennifer Lincoln, Akonori Nakata, Marie Sweeney

Obesity and other risk factors: the national survey of U.S. long haul truck driver health and injury.

Honorable Mention: Tania Carreño, Misty Heim, Kevin Hanley, Susan Viet, Avina 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: Srinivasa Konda, Audrey Reichard, Hope Tisaman, Scott Hendricks


#### EXPOSURE AND RISK ASSESSMENT

Awardees: Eric Eyssew, John Snow, Brad 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 Musslin, Jessica Ramsey, James Wassell, David Hard

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

#### METHODS AND LABORATORY SCIENCE

Awardees: Sreekrumar Othumpangattu, John Noti, Donald Beezhold

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

Awardees: Eun Young Lee, Gary Lee, Carsten Mühlmann, Michael Flemer, Michael Kashaon, Martin Harper, Taekhee Lee, Seung Won Kim, Jiy Charm Soo


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

**KNOWLEDGE**

Awardees: Steven Wurzelbacher, Alysha Meyers, David Utterback, Teresa Schorn, P. Timothy Bushnell, Stephen Bertke, Jennifer Bell, Jill Raudabough, Regina Pan-Cryan, John Seidtto, Raymond Sinclair, Abay Getahun Asfaw, Sreekumar Othumpangattu, John Noti, Donald Beezhold, Chih Yu Tseng, Jean Geiman, Patricia Labor, Lisa Thomas, Chia Wei, Steven Allie, Denise Giglio, Kim Jenkins, Lian Luo, Cheryl Estill, Susan Nowlin

Seung Won Kim, Jiy Charm Soo


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.

**INTERVENTION**

Awardees: Rebecca Guarin, Andrea Okun, Carol Stephenson, Rachel Ullah, Amy Filko, Vanessa Williams, John Lechliter, Gino Fazio, Stephen Leonard, Sleen Collins, Joseph Cauley

New and Updated NIOSH Youth@Work—Talking Safety Curriculum

**TECHNOLOGY**

Awardees: 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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<th>Early Career Scientist</th>
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<td>Raymond Rubergo, M.D.</td>
<td>Cara Hallice, Ph.D.</td>
<td>Jerry Kitzler</td>
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