Dear EOPH members,

Welcome to the July 2016 EOPH newsletter. Included are the “epub ahead of print” articles from our membership for June 2016. We are certain that our members are doing great things worthy of recognition. Please send us notice of these accomplishments so that we can include them in the August 2016 newsletter. We welcome any input into what else you would like to see in the newsletter. Please contact us at kbailey@unmc.edu or craig.glazer@utsouthwestern.edu with any noteworthy publications, achievements, or suggestions for future issues.

Sincerely,

Your web committee co-chairs,

Kristina Bailey and Craig Glazer
Recent publications

This section highlights some of our members’ best work in June 2016. We have only included “epub ahead of print” articles in an effort to simplify our search method while making you aware of your colleagues’ most recent work.

Air Pollution and Ozone


Ambient Air Pollution Exposures and Risk of Parkinson Disease.
Liu R, Young MT, Chen JC, Kaufman JD, Chen H. Environ Health Perspect. 2016 Jun 10. PMID: 27285422

Asthma

Feasibility of Deploying Inhaler Sensors to Identify the Impacts of Environmental Triggers and Built Environment Factors on Asthma Short-Acting Bronchodilator Use.

Risk and Protective Factors for Childhood Asthma: What Is the Evidence?

COPD

Indoor particulate matter exposure is associated with increased black carbon content in airway macrophages of former smokers with COPD.

What is asthma-COPD overlap syndrome? Towards a consensus definition from a round table discussion.
Population studies

Serum polychlorinated biphenyls and their hydroxylated metabolites are associated with demographic and behavioral factors in children and mothers.
Koh WX, Hornbuckle KC, Wang K, Thorne PS.
Environ Int. 2016 Jun 25. PMID: 27352881

Development and Progression of Interstitial Lung Abnormalities in the Framingham Heart Study.

Community-based Participatory Research is Needed to Address Pulmonary Health Disparities.
Harris DA, Pensa MA, Redlich CA, Pisani MA, Rosenthal MS.
Ann Am Thorac Soc. 2016 Jun 1. PMID: 27249657


Climate Change

Documenting the Human Health Impacts of Climate Change in Tropical and Subtropical Regions.
Kreslake JM, Sarfaty M, Maibach EW.

Occupational Exposures

Differential respiratory health effects from the 2008 northern California wildfires: A spatiotemporal approach.
Reid CE, Jerrett M, Tager IB, Petersen ML, Mann JK, Balmes JR. Environ Res. 2016 Jun 15;150:227-235. PMID: 27318255

**Obesity and weight gain among former World Trade Center workers and volunteers.**


**Breath-taking jobs: a case-control study of respiratory work disability by occupation in Norway.**


**Evaluation of Reported Fatality Data Associated with Workers Using Respiratory Protection in the United States (1990 - 2012).**


**Agriculture**

Rheumatoid Arthritis in Agricultural Health Study Spouses: Associations with Pesticides and Other Farm Exposures.


**Smoking and E-cigarettes**

Electronic cigarette aerosols and copper nanoparticles induce mitochondrial stress and promote DNA fragmentation in lung fibroblasts.


Associations Between Cigarette Print Advertising and Smoking Initiation Among African Americans.

Differences in Health-related Quality of Life Between New Mexican Hispanic and Non-Hispanic White Smokers.

Mechanisms

Novel Innate Immune Genes Regulating the Macrophage Response to Gram Positive Bacteria.

Resolvin D2 decreases TLR4 expression to mediate resolution in human monocytes.

HIV Controller T Cells Effectively Inhibit Viral Replication in Alveolar Macrophages.

Disease-Induced Disparities in Formation of the Nanoparticle-Biocorona and the Toxicological Consequences.

Modeling, Diagnostics, and Therapeutics

**Exposure Enriched Case-Control (EECC) Design for the Assessment of Gene-Environment Interaction.**

**A diagnostic model for chronic hypersensitivity pneumonitis.**

**Historical Prediction Modeling Approach for Estimating Long-Term Concentrations of PM2.5 in Cohort Studies before the 1999 Implementation of Widespread Monitoring.**

**A clustering approach to identify severe bronchiolitis profiles in children.**

**Efficacy of Inhaled Levalbuterol Compared to Albuterol in Horses with Recurrent Airway Obstruction.**

**Mass or total surface area with aerosol size distribution as exposure metrics for inflammatory, cytotoxic and oxidative lung responses in rats exposed to titanium dioxide nanoparticles.**
Things worth celebrating

We know that many of you have successes to share with us. Please help us expand this section by emailing us your good news: kbailey@unmc.edu or craig.glazer@utsouthwestern.edu.

Send us your interesting cases

The web committee is currently soliciting interesting pulmonary cases with an EOPH focus for additional Quick Hits. These cases will be posted on the website and highlighted in this newsletter. They will be peer reviewed prior to acceptance, so this is a good opportunity for your trainees. kbailey@unmc.edu or craig.glazer@utsouthwestern.edu.