Dear EOPH members,

We hope you all are having a great summer. In this June 2016 issue of the EOPH newsletter, we share some recent “epub ahead of print” articles written by our membership. We would also like to welcome Christopher Rider and Hissam Haider to the EOPH web committee.

We would appreciate feedback for future issues. Please contact us with any noteworthy publications, achievements, or suggestions for future issues at kbailey@unmc.edu or craig.glazer@utsouthwestern.edu.

Sincerely,

Kristina Bailey and Craig Glazer
Recent publications

This section highlights some of our assembly members’ exciting work that became available as “epubs ahead of print” in May. It is possible that our search may miss your best work, so please send your recent publications to: kbailey@unmc.edu.

Asbestos, Dusts, Endotoxin and Fungi

*Collegium Ramazzini: Comments on the 2014 Helsinki consensus report on asbestos.*


*Characterization of the bacterial and fungal microbiome in indoor dust and outdoor air samples: a pilot study.*


*Imaging Phenotype of Occupational Endotoxin-Related Lung Function Decline.*

Lai PS, Hang JQ, Zhang FY, Sun J, Zheng BY, Su L, Washko GR,

*Beta-2 adrenergic agonists attenuate organic dust-induced lung inflammation.*


*Environmental mold and mycotoxin exposures elicit specific cytokine and chemokine responses.*


*Repeated Mouse Lung Exposures to Stachybotrys chartarum Shift Immune Response From Type 1 to Type 2.*


*β-Glucan exacerbates allergic asthma independent of fungal sensitization and promotes steroid-resistant T<sub>H</sub>2/T<sub>H</sub>17 responses.*

Asthma and Airway Diseases in Childhood


Advancing our understanding of infant bronchiolitis through phenotyping and endotyping: Clinical and molecular approaches.

Patterns of Growth and Decline in Lung Function in Persistent Childhood Asthma.

Cancer

Colorectal Cancer Screening in Vulnerable Patients: Promoting Informed and Shared Decisions.

Clinical characteristics and dose-volume histogram parameters associated with the development of pleural effusions in non-small cell lung cancer patients treated with chemoradiation therapy.

The importance of the regimen of screening in maximizing the benefit and minimizing the harms.

Associations of red and processed meat with survival among patients with cancers of the upper aerodigestive tract and lung.

Chronic Obstructive Pulmonary Disease

Occupational exposure and risk of Chronic Obstructive Pulmonary Disease: a systematic review and meta-analysis.

Defining a COPD composite safety endpoint for demonstrating efficacy in clinical trials: results from the randomized, placebo-controlled UPLIFT® trial.

Defining Airflow Obstruction.
Meeting the challenge of COPD care delivery in the USA: a multiprovider perspective.

Persistent and Newly Developed Chronic Bronchitis Are Associated with Worse Outcomes in Chronic Obstructive Pulmonary Disease.

Health behaviors and their correlates among participants in the Continuing to Confront COPD International Patient Survey.

Haemophilus influenzae in COPD: Effect of fluoroquinolones and macrolides on eradication and resistance.

Effect of Endobronchial Coils vs Usual Care on Exercise Tolerance in Patients With Severe Emphysema: The RENEW Randomized Clinical Trial.

Cigarette Smoke and Tobacco Products

The E-cigarette Social Environment, E-cigarette Use, and Susceptibility to Cigarette Smoking.

Time Course of Heart Rate Variability Response to PM2.5 Exposure from Secondhand Smoke.

Cigarettes, Smokeless Tobacco, and Poly-Tobacco Among Workers in Three Dusty Industries.

High-Intensity Sweeteners in Alternative Tobacco Products.

Clinical Significance of Symptoms in Smokers with Preserved Pulmonary Function.

Effects of Metals and Sex on the Lung and Brain

Gender differences in the duration of non-work-related sickness absence episodes due to musculoskeletal disorders.
A Method to Target and Isolate Airway-innervating Sensory Neurons in Mice.

Size-Dependent Deposition, Translocation, and Microglial Activation of Inhaled Silver Nanoparticles in the Rodent Nose and Brain.

Copper disrupts S-nitrosothiol signaling in activated BV2 microglia.

Environmental and Occupational Factors Related to Cardiovascular Diseases

Individual and Neighborhood Socioeconomic Status and the Association between Air Pollution and Cardiovascular Disease.

Association between air pollution and coronary artery calcification within six metropolitan areas in the USA (the Multi-Ethnic Study of Atherosclerosis and Air Pollution): a longitudinal cohort study.

Concentration of Smaller High-Density Lipoprotein Particle (HDL-P) Is Inversely Correlated With Carotid Intima Media Thickening After Confounder Adjustment: The Multi Ethnic Study of Atherosclerosis (MESA).

Association Between Rotating Night Shift Work and Risk of Coronary Heart Disease Among Women.

Does total antioxidant capacity modify adverse cardiac responses associated with ambient ultrafine, accumulation mode, and fine particles in patients undergoing cardiac rehabilitation?

Genetic Risks for Pulmonary and Neurological Diseases

Cross-cancer genome-wide analysis of lung, ovary, breast, prostate and colorectal cancer reveals novel pleiotropic associations.

Advancing Exposure Science through Chemical Data Curation and Integration in the Comparative Toxicogenomics Database.
A Polymorphic Antioxidant Response Element Links NRF2/sMAF Binding to Enhanced MAPT Expression and Reduced Risk of Parkinsonian Disorders.

Novel genetic risk factors for asthma in African American children: Precision Medicine and the SAGE II Study.

Infections, Antimicrobials, and Hospital Care

Linking Infectious and Narcology Care (LINC) in Russia: design, intervention and implementation protocol.

Days of Therapy and Antimicrobial Days: Similarities and Differences Between Consumption Metrics.

Medical Education and Training in Cardiopulmonary Diseases

Moving Forward From the Affordable Care Act to a Single-Payer System.

What's New in 10 Years? A Revised Cardiothoracic Curriculum for Diagnostic Radiology Residency with Goals and Objectives Related to General Competencies.

The Future of the Academic Cardiothoracic Surgeon: Results of the TSRA/TSDA In-Training Examination Survey.

Gender and Cardiothoracic Surgery Training: Specialty Interests, Satisfaction, and Career Pathways.

Outdoor Air Pollution and Respiratory Diseases

Investigating the Effects of Particulate Matter on House Dust Mite and Ovalbumin Allergic Airway Inflammation in Mice.
Perception and reality of particulate matter exposure in New York City taxi drivers.

Prediction of fine particulate matter chemical components with a spatio-temporal model for the Multi-Ethnic Study of Atherosclerosis cohort.

Fine particulate matter components and emergency department visits among a privately insured population in Greater Houston.

Diesel exposure suppresses natural killer cell function and resolution of eosinophil inflammation: a randomized controlled trial of exposure in allergic rhinitics.

The Year of Ozone.


**Prenatal and Early Life Exposures to Pollutants**

Association of Children's Urinary CC16 Levels with Arsenic Concentrations in Multiple Environmental Media.


Prenatal Air Pollution Exposures, DNA Methyl Transferase Genotypes, and Associations with Newborn LINE1 and Alu Methylation and Childhood Blood Pressure and Carotid Intima-Media Thickness in the Children's Health Study.

Early life exposure to environmental tobacco smoke alters immune response to asbestos via a shift in inflammatory phenotype resulting in increased disease development.

Decreased lung function in 7-year-old children with early-life organophosphate exposure.
**Social Science Studies**

*Shared decision-making in mental health care-A user perspective on decisional needs in community-based services.*

*Alternative indicators for the risk of non-response bias: a simulation study.*

*Alcohol Consumption in Ugandan HIV-Infected Household-Brewers Versus Non-Brewers.*

**Toxicant Exposures and Metabolic Disorders**

*Particulate Air Pollution and Fasting Blood Glucose in Non-Diabetic Individuals: Associations and Epigenetic Mediation in the Normative Aging Study, 2000-2011.*

*Patterns of Energy Drink Use and Associated Symptoms Among a Population of Connecticut Factory Workers.*

*The Association Between Air Pollution Exposure and Glucose and Lipids Levels.*

*Repeated ozone exposure exacerbates insulin resistance and activates innate immune response in genetically susceptible mice.*

**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.
ATS 2017 – Call for Input

The ATS is calling for session proposals for the ATS 2017 Conference. Input for multiple session formats, including Postgraduate Courses, Scientific Symposia, Workshops, Sunrise Seminars, and Meet the Professor Seminars, can be submitted. Additional information can be found at http://conference.thoracic.org/program/call-for-input/index.php. The deadline for proposals is June 29 at 5:00 pm ET.

Interesting Clinical Cases?

The web committee is currently calling for “Quick Hit” clinical cases, which will be posted on the website and highlighted in this newsletter. It is a good, peer-reviewed writing opportunity for trainees. Submit clinical cases to kbailey@unmc.edu or craig.glazer@utsouthwestern.edu.