Dear EOPH members,

In this October issue of the EOPH newsletter, we share some of our members’ recent publications and information on upcoming ATS deadlines including: ATS fellowship applications, abstract submissions and how to apply for membership hardship relief.

Please let us know about your recent publications, awards, and achievements. Also, we would appreciate suggestions or feedback for future issues at kbailey@unmc.edu or tnordgren@unmc.edu.

Sincerely,

Your web committee co-chairs,

Kristina Bailey and Tara Nordgren
Recent publications

This section highlights some of our assembly members’ exciting research that was recently ‘e-published.” It is possible that our search may miss your best work, so please send your recent publications to: kbailey@unmc.edu.

Air Pollution

Attributable risks of emergency hospital visits due to air pollutants in China: A multi-city study.
Environ Pollut. 2017 Sep;228:43-49.

Residential Air Pollution and Associations with Wheeze and Shortness of Breath in Adults: A Combined Analysis of Cross-Sectional Data from Two Large European Cohorts.
Environ Health Perspect. 2017 Sep 29;125(9):097025.

Modeling indoor particulate exposures in inner-city school classrooms.

Air Pollution and Other Environmental Modulators of Cardiac Function.
Gorr MW, Falvo MJ, Wold LE.

Potential Cardiovascular and Total Mortality Benefits of Air Pollution Control in Urban China.
Circulation. 2017 Sep 7.

Short-Term Exposure to Ambient Air Pollution and Biomarkers of Systemic Inflammation: The Framingham Heart Study.

Kerosene lighting contributes to household air pollution in rural Uganda.
Muyanja D, Allen JG, Vallarino J, Valeri L, Kakuhikire B, Bangsberg DR, Christiani DC, Tsai AC, Lai PS.
Indoor Air. 2017 Sep;27(5):1022-1029.

Cardiorespiratory responses of air filtration: A randomized crossover intervention trial in seniors living in Beijing: Beijing Indoor Air Purifier StudY, BIAPSY.

Aryl Hydrocarbon Receptor

Loss of liver-specific and sexually dimorphic gene expression by aryl hydrocarbon receptor activation in C57BL/6 mice.
Nault R, Fader KA, Harkema JR, Zacharewski T.
**Cell Death and DNA Damage**


**Chronic Obstructive Pulmonary Disease and Airflow Obstruction**


Computational Toxicology


Early Life Exposures, Birth Outcomes, and Development

Radiofrequency-electromagnetic field exposures in kindergarten children.
Bhatt CR, Redmayne M, Billah B, Abramson MJ, Benke G.

Burden of higher lead exposure in African-Americans starts in utero and persists into childhood.
Cassidy-Bushrow AE, Sitarik AR, Havstad S, Park SK, Bielak LF, Austin C, Johnson CC, Arora M.

Skin prick tests and specific IgE in 10-year-old children: Agreement and association with allergic diseases.
Allergy. 2017 Sep;72(9):1365-1373.

Patterns of immune development in urban preschoolers with recurrent wheeze and/or atopy.

Gold DR, Litonjua AA.

Allergic sensitization in American children of Middle Eastern ethnicity at age 2.
Havstad S, Sitarik AR, Johnson CC, Zoratti EM, Ownby DR, Levin AM, Wegienka G.

Anthropometric measures at birth and early childhood are associated with neurodevelopmental outcomes among Bangladeshi children aged 2-3years.
Lee JJ, Kapur K, Rodrigues EG, Ibne Hasan MOS, Quamruzzaman Q, Wright RO, Bellinger DC, Christiani DC, Mazumdar M.

Mother's education and offspring asthma risk in 10 European cohort studies.

The Association of Maternal Asthma and Early Pregnancy Vitamin D with Risk of Preeclampsia: An Observation From Vitamin D Antenatal Asthma Reduction Trial (VDAART).

Early-life home environment and risk of asthma among inner-city children.
The School Inner-City Asthma Intervention Study: Design, rationale, methods, and lessons learned.

Investigating causal relation between prenatal arsenic exposure and birthweight: Are smaller infants more susceptible?

Adults born preterm: a review of general health and system-specific outcomes.

Screen Time Engagement Is Increased in Urban Children With Asthma.

Childhood exposure to Libby amphibole asbestos and respiratory health in young adults.


Perinatal Bacterial Exposure Contributes to IL-13 Aeroallergen Response.

In Utero Exposure to Select Phenols and Phthalates and Respiratory Health in Five-Year-Old Boys: A Prospective Study.

Association of Breast Milk Fatty Acids and Allergic Disease Outcomes - a Systematic Review.

Allergen sensitization in a birth cohort at midchildhood: Focus on food component IgE and IgG4 responses.

Environmental and Public Health

Environmental Health: Lessons from the Past and Looking to the Future.
Public Health and All That Jazz.
Samet JM.

Environmental Factors and Allergic Respiratory Diseases

The ARIA score of allergic rhinitis using mobile technology correlates with quality-of-life: The MASK study.

Bronchial hyperresponsiveness and obesity in middle age: insights from an Australian cohort.

Validation of the MASK-rhinitis visual analogue scale on smartphone screens to assess allergic rhinitis control.

Functional phenotypes determined by fluctuation-based clustering of lung function measurements in healthy and asthmatic cohort participants.

Improving the asthma disparity gap with legal advocacy? A qualitative study of patient-identified challenges to improve social and environmental factors that contribute to poorly controlled asthma.

Residential greenness and allergic respiratory diseases in children and adolescents - A systematic review and meta-analysis.

The Limits of Pattern Recognition: Nodular Lung Disease in a Syrian Refugee.
Lefkowitz RY, Mitma AA, Altassan K, Redlich CA.

24-h Nitrogen dioxide concentration is associated with cooking behaviors and an increase in rescue medication use in children with asthma.

An immunoproteomic approach revealed antigenic proteins enhancing serodiagnosis performance of bird fancier's lung.

Usefulness of à la carte antigens for bird fancier's lung serodiagnosis: total dropping extract and/or dropping's microflora antigens.
Asthmatic farm children show increased CD3+CD8low T-cells compared to non-asthmatic farm children.

Pathologic Findings and Prognosis in a Large Prospective Cohort of Chronic Hypersensitivity Pneumonitis.
Chest. 2017 Sep;152(3):502-509.

Genetics and Respiratory Diseases

A Multiomics Approach to Identify Genes Associated with Childhood Asthma Risk and Morbidity.

Gene-environment interaction between an IL4R variant and school endotoxin exposure contributes to asthma symptoms in inner-city children.
Lai PS, Massoud AH, Xia M, Petty CR, Cunningham A, Chatila TA, Phipatanakul W.

Evolutionary dynamics of an expressed MHC class IIβ locus in the Ranidae (Anura) uncovered by genome walking and high-throughput amplicon sequencing.
Mulder KP, Cortazar-Chinarro M, Harris DJ, Crottini A, Campbell Grant EH, Fleischer RC, Savage AE.
Dev Comp Immunol. 2017 Nov;76:177-188.

The MUC5B promoter polymorphism is associated with specific interstitial lung abnormality subtypes.
Eur Respir J. 2017 Sep 11;50(3).

Heart Disease and Stroke

Exosomal MicroRNA for Detection of Cardiac Sarcoidosis.
Am J Respir Crit Care Med. 2017 Oct 1;196(7):931-934.

Heat and mortality for ischemic and hemorrhagic stroke in 12 cities of Jiangsu Province, China.
Zhou L, Chen K, Chen X, Jing Y, Ma Z, Bi J, Kinney PL.

Lipid Mediators

Bioactive Lipid Mediators Regulate Lung Epithelial and Mesenchymal Cell Reparative Processes In Vitro.
Nordgren TM, Heires AJ, Bailey KL, Romberger DJ.

Lung Cancer

Identification of ALK Rearrangements in Malignant Peritoneal Mesothelioma.
JAMA Oncol. 2017 Sep 14.
Association between polymorphisms in microRNA target sites and survival in early-stage non-small cell lung cancer.

**Occupational Exposures**

**Pleural abnormalities in the Framingham Heart Study: prevalence and CT image features.**

**Health problems and disinfectant product exposure among staff at a large multispecialty hospital.**

**Resilience of farm women working the third shift.**

**Insecticide Use and Breast Cancer Risk among Farmers' Wives in the Agricultural Health Study.**

**Diffuse peritoneal mesothelioma: A case series of 62 patients including paraoccupational exposures to chrysotile asbestos.**

**Lung cancer mortality of residents living near petrochemical industrial complexes: a meta-analysis.**

**Post-traumatic stress disorder dimensions and asthma morbidity in World Trade Center rescue and recovery workers.**

**Biomass smoke exposure as an occupational risk: cross-sectional study of respiratory health of women working as street cooks in Nigeria.**

**Contact dermatitis is an unrecognized problem in the construction industry: Comparison of four different assessment methods.**

**Prevalence of, and work-related risk factors for, hand eczema in a Norwegian general population (The HUNT Study).**
Particulate Exposures In Vivo

**Imipramine blocks acute silicosis in a mouse model.**
Biswa R, Trout KL, Jessop F, Harkema JR, Holian A.

**Receptor for advanced glycation end-products and World Trade Center particulate induced lung function loss: A case-cohort study and murine model of acute particulate exposure.**

**Inhalation of concentrated PM2.5 from Mexico City acts as an adjuvant in a guinea pig model of allergic asthma.**

**Effects of Orally Ingested Arsenic on Respiratory Epithelial Permeability to Bacteria and Small Molecules in Mice.**

**Suppression of neuroinflammation by matrix metalloproteinase-8 inhibitor in aged normal and LRRK2 G2019S Parkinson's disease model mice challenged with lipopolysaccharide.**

**Comparison of the toxicity of sintered and unsintered indium-tin oxide particles in murine macrophage and epidermal cells.**

**Thymic cytoarchitecture changes in mice exposed to vanadium.**

### Pulmonary Fibrosis

**French practical guidelines for the diagnosis and management of idiopathic pulmonary fibrosis - 2017 update. Full-length version.**

**French practical guidelines for the diagnosis and management of idiopathic pulmonary fibrosis: 2017 update. Summary.**

**Supplemental Oxygen in Interstitial Lung Disease: An Art in Need of Science.**

**Tobacco Products**

**Electronic Cigarette Use in US Adults at Risk for or with COPD: Analysis from Two Observational Cohorts.**

**Flavoring Chemicals and Aldehydes in E-Cigarette Emissions.**
Klager S, Vallarino J, MacNaughton P, Christian DC, Lu Q, Allen JG.

**Longitudinal Associations of Local Cigarette Prices and Smoking Bans with Smoking Behavior in the Multi-Ethnic Study of Atherosclerosis.**

**Cigarette smoke disrupts monolayer integrity by altering epithelial cell-cell adhesion and cortical tension.**

**Variable Susceptibility to Cigarette Smoke-Induced Emphysema in 34 Inbred Strains of Mice Implicates Abi3bp in Emphysema Susceptibility.**

**Should the FDA Ban Cigarette Filter Ventilation?**
Samet JM, Aladadyan L.

**Malondialdehyde-acetaldehyde protein adducts are found exclusively in the lungs of smokers with alcohol use disorders and are associated with systemic anti-MAA antibodies.**

**Pleiotropy of genetic variants on obesity and smoking phenotypes: Results from the Oncoarray Project of The International Lung Cancer Consortium.**

**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 tnordgren@unmc.edu.

**New ATS Fellows Program**

If you have been an ATS member for five or more years, you can apply for the new ATS Fellows Program. Applications are due by **Oct. 22**. For more information, go to [http://www.thoracic.org/members/membership/ats-fellows.php](http://www.thoracic.org/members/membership/ats-fellows.php).
Membership Hardship Relief

The ATS Membership Hardship Relief Program provides assistance to active ATS members who have been affected by natural disasters by maintaining their ATS membership for one year at no cost. Find more information at http://news.thoracic.org/membership-hardship-relief-program/.

Abstracts for ATS 2018 in San Diego (May 18-23)

ATS is currently accepting scientific and case report abstracts on all aspects of respiratory disease, critical care, and sleep medicine for ATS 2018. The submission deadline is Wednesday, November 1 (5 p.m. Eastern Time). To submit an abstract, go to http://conference.thoracic.org/program/call_for_abstracts/index.php.