Dear EOPH members,

We hope you all had a great summer! In this August issue of the EOPH newsletter, we share some of our members’ recent “epub ahead of print” articles and accomplishments. We also included information about World Lung Day.

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 became available as "epubs ahead of print" in August. It is possible that our search may miss your best work, so please send your recent publications to: kbailey@unmc.edu.

Airflow Obstruction and Chronic Obstructive Pulmonary Disease

The association of tidal EFL with exercise performance, exacerbations, and death in COPD.
Aarli BB, Calverley PM, Jensen RL, Dellacà R, Eagan TM, Bakke PS, Hardie JA.

Occupational exposures to solvents and metals are associated with fixed airflow obstruction.

Childhood Lung Function Predicts Adult Chronic Obstructive Pulmonary Disease and Asthma-Chronic Obstructive Pulmonary Disease Overlap Syndrome.

Reply: Bias in Association between FEV<sub>1</sub>/FVC% Predicted at 7 Years and Asthma-Chronic Obstructive Pulmonary Disease Overlap Syndrome.
Bui DS, Burgess JA, Bui M, Abramson MJ, Walters EH, Dharmage SC.

Genetic Association and Risk Scores in a Chronic Obstructive Pulmonary Disease Meta-analysis of 16,707 Subjects.

Severity of Airflow Obstruction in Chronic Obstructive Pulmonary Disease (COPD): Proposal for a New Classification.

Air Pollution

Particulate matter air pollution and liver cancer survival.
Deng H, Eckel SP, Liu L, Lurmann FW, Cockburn MG, Gilliland FD.

Role of atmospheric pollution on the natural history of idiopathic pulmonary fibrosis.
Allergy and Asthma

Google Trends terms reporting rhinitis and related topics differ in European countries.

A pilot feeding study for adults with asthma: The healthy eating better breathing trial.

Cockroach allergen exposure and plasma cytokines among children in a tropical environment.
Medsker BH, Forno E, Han YY, Acosta-Pérez A, Colón-Semidey A, Alvarez M, Alcorn JF, Canino GJ, Celedón JC.

Phenotypes of Atopic Dermatitis Depending on the Timing of Onset and Progression in Childhood.

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

Bacterial and Viral Infections

Overlooked diagnosis of infected paratracheal air cysts in patients with respiratory symptoms: Case report.

Effect of home exposure to Staphylococcus aureus on asthma in adolescents.
Davis MF, Ludwig S, Brigham EP, McCormack MC, Matsui EC.

Nasopharyngeal viral PCR in immunosuppressed patients and its association with virus detection in bronchoalveolar lavage by PCR.
Lachant DJ, Croft DP, McGrane Minton H, Prasad P, Kottmann RM.

Cancer

Interleukin-17A Promotes Lung Tumor Progression through Neutrophil Attraction to Tumor Sites and Mediating Resistance to PD-1 Blockade.
Menstrual and reproductive factors and lung cancer risk: A pooled analysis from the international lung cancer consortium.

ETV4 and AP1 Transcription Factors Form Multivalent Interactions with three Sites on the MED25 Activator-Interacting Domain.
Currie SL, Doane JJ, Evans KS, Bhachech N, Madison BJ, Lau DKW, McIntosh LP, Skalicky JJ, Clark KA, Graves BJ.

Large-scale association analysis identifies new lung cancer susceptibility loci and heterogeneity in genetic susceptibility across histological subtypes.

Is the Incidence of Adenocarcinoma of the Lung Rising in Never Smokers?
Samet JM.

Polymorphisms in Epithelial-Mesenchymal Transition-Related Genes and the Prognosis of Surgically Treated Non-small Cell Lung Cancer.

Physiological Modeling and Testing

Utility of Lung Clearance Index Testing as a Noninvasive Marker of Deployment-related Lung Disease.
Krefft SD, Strand M, Smith J, Stroup C, Meehan R, Rose C.

Bayesian estimation of physiological parameters governing a dynamic two-compartment model of exhaled nitric oxide.
Muchmore P, Rappaport EB, Eckel SP.

Exposures During Pregnancy and Development

Wi-Fi radiation exposures to children in kindergartens and schools - results should lessen parental concerns.
Bhatt CR, Abramson MJ, Benke G.

Mechanisms and Treatment of Halogen Inhalation-Induced Pulmonary and Systemic Injuries in Pregnant Mice.

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

Validation of maternal reported pregnancy and birth characteristics against the Medical Birth Registry of Norway.
Skulstad SM, Igland J, Johannessen A, Bertelsen RJ, Lønnebotn M, Omenaas ER, Svanes C, Real FG.

Effect of season of birth on cord blood IgE and IgE at birth: A systematic review and meta-analysis.

Breast milk polyunsaturated fatty acids: associations with adolescent allergic disease and lung function.

**Genome-Wide and Epigenome-Wide Studies**

An epigenome-wide association study of total serum IgE in Hispanic children.

Genome-wide gene by lead exposure interaction analysis identifies UNC5D as a candidate gene for neurodevelopment.

**Household Air Pollution**

24-h Nitrogen dioxide concentration is associated with cooking behaviors and an increase in rescue medication use in children with asthma.
Environ Res. 2017 Aug 7;159:118-123.

**Interstitial and Fibrotic Diseases**

Eur Respir J. 2017 Aug 3;50(2).

The 'Complex Restrictive' Pulmonary Function Pattern: Clinical and radiological analysis of a common but previously undescribed restrictive pattern.
Clay RD, Iyer VN, Reddy DR, Siontis B, Scanlon PD.
Mazurek JM, Wood JM, Schleiff PL, Weissman DN.

Pulmonary Embolism

Predictive Value of Mean Platelet Volume for Pulmonary Embolism Recurrence.
Araz O, Albez FS, Ucar EY, Kerget B, Yilmaz N, Akgun M.

Are the thiol/disulfide redox status and HDL cholesterol levels associated with pulmonary embolism?: Thiol/disulfide redox status in pulmonary embolism.
Parlak ES, Alisik M, Karalezli A, Sayilir AG, Bastug S, Er M, Hasanoglu HC, Erel O.

Sleep Apnea, the Microbiome, and Bile Acid Homeostasis

2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)-elicited effects on bile acid homeostasis: Alterations in biosynthesis, enterohepatic circulation, and microbial metabolism.
Fader KA, Nault R, Zhang C, Kumagai K, Harkema JR, Zacharewski TR.

Sleep Apnea Screening Practices During Department of Transportation Medical Examinations.
Hawkins MR, Durowoju R, Havlichek D 3rd, Rosenman KD.

Impact of environmental microbiota on human microbiota of workers in academic mouse research facilities: An observational study.

Teamwork and Mentorship

Nursing teams: behind the charts.
Bae SH, Farasat A, Nikolaev A, Seo JY, Foltz-Ramos K, Fabry D, Castner J.

Mentoring for Success in Tobacco Regulatory Science: A Qualitative Study.
Russo AR, Solis AC, Villanti AC, Wipfli HL, Kern TT, Lawley RK, Collins LK, Abudayyeh HS, Chansky MC, Glantz SA, Samet JM, Benjamin EJ.

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.
World Lung Day

The Forum of International Respiratory Societies (which was founded in part by the ATS) launched the “Charter for Lung Health” at the 70th World Health Assembly in Geneva, Switzerland. This charter calls for the recognition of World Lung Day on September 25 to bring attention to respiratory diseases, a major cause of worldwide morbidity and mortality. The ATS is joining this call to action and aims to secure 100,000 signatures of support to urge the World Health Organization to consider a similar designation. For more information, go to http://news.thoracic.org/world-lung-day-join-the-call/. To sign the Charter for Lung Health, go to https://www.firsnet.org/.