Dear EOPH members,

We hope you all have a Happy St. Patrick’s Day! In this March issue of the EOPH newsletter, we share some recent “epub ahead of print” articles and accomplishments from our members. We also share some information about an ATS election and registration for the international conference.

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 tnordgren@unmc.edu.

Sincerely,
Your web committee co-chairs,
Kristina Bailey and Tara Nordgren
Recent publications

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

Science and Policy

The Trump Administration and the Environment - Heed the Science.
Samet JM, Burke TA, Goldstein BD.

Air Pollution, Ambient Particulate Matter, Ultrafine Particles, and Nanoparticles

Serum-borne bioactivity caused by pulmonary multiwalled carbon nanotubes induces neuroinflammation via blood-brain barrier impairment.

Ambient Ultrafine Particle Ingestion Alters Gut Microbiota in Association with Increased Atherogenic Lipid Metabolites.

Impact of Particulate Matter Exposure and Surrounding "Greenness" on Chronic Absenteeism in Massachusetts Public Schools.
MacNaughton P, Eitland E, Kloog I, Schwartz J, Allen J.

An evaluation of the health benefits achieved at the time of an air quality intervention in three Israeli cities.
Yinon L, Thurston G.
Environ Int. 2017 Feb 22. pii: S0160-4120(16)30366-X.

Asthma and Allergic Diseases

Airway and Serum Biochemical Correlates of Refractory Neutrophilic Asthma.
Alam R, Good J, Rollins D, Verma M, Chu H, Pham TH, Martin RJ.

Low maternal prenatal 25-hydroxy vitamin D blood levels are associated with childhood atopic dermatitis.
Genome-wide interaction study of dust mite allergen on lung function in children with asthma.

Antibiotic Use in Early Life, Rural Residence, and Allergic Diseases in Argentinean Children.
Han YY, Forno E, Badellino HA, Celedón JC.

KIF3A genetic variation is associated with pediatric asthma in the presence of eczema independent of allergic rhinitis.

Metabolomic profiling of lung function in Costa-Rican children with asthma.
Kelly RS, Virkud Y, Giorgio R, Celedón JC, Weiss ST, Lasky-Su J.

Biomass Smoke

Early Life Wildfire Smoke Exposure is Associated with Immune Dysregulation and Lung Function Decrement in Adolescence.

Associations between ambient wood smoke and other particulate pollutants and biomarkers of systemic inflammation, coagulation and thrombosis in cardiac patients.

Cancer

Pulmonary adenocarcinoma with epidermal growth factor receptor-mutations in asbestos exposed non-smokers: A case series.
Kradin RL, Iafrate J, Christiani DC.

Effect of a Scalp Cooling Device on Alopecia in Women Undergoing Chemotherapy for Breast Cancer: The SCALP Randomized Clinical Trial.
JAMA Oncol. 2017 Feb 23.

Association Between Tumor Progression Endpoints and Overall Survival in Patients with Advanced Neuroendocrine Tumors.

Pathway-analysis of published genome-wide association studies of lung cancer: A potential role for the CYP4F3 locus.

Community and Telephone-Based Care

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

Telephone care co-ordination for tobacco cessation: randomised trials testing proactive versus reactive models.

Cystic Fibrosis

An Outbreak of Burkholderia cepacia Complex Infections Associated with Contaminated Liquid Docusate.

Genetics and Cardiopulmonary Diseases

Genetic Association and Risk Scores in a COPD Meta-Analysis of 16,707 Subjects.

Exosomal MicroRNA for Detection of Cardiac Sarcoidosis.
Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis.

Gene-based segregation method for identifying rare variants in family-based sequencing studies.
Qiao D, Lange C, Laird NM, Won S, Hersh CP, Morrow J, Hobbs BD, Lutz SM, Ruczinski I, Beaty TH, Silverman EK, Cho MH.

Genome-wide association analyses for lung function and chronic obstructive pulmonary disease identify new loci and potential druggable targets.
Wain LV, Shrine N, Artigas MS, Erzurumluoglu AM, Noyvert B, Bossini-Castillo L, et al.

Health in Vulnerable Populations

Adult ADHD: Addressing a unique set of challenges.
Fields SA, Johnson WM, Hassig MB.

Respiratory Health in Migrant Populations: A Crisis Overlooked.

Obaseki DO, Erhabor GE, Awopeju OF, Adewole OO, Adeniyi BO, Buist AS, Burney PG.

Pathology

Comparison of Carotid Plaque Score and Coronary Artery Calcium Score for Predicting Cardiovascular Disease Events: The Multi-Ethnic Study of Atherosclerosis.
J Am Heart Assoc. 2017 Feb 14;6(2). pii: e005179.

Microprobe analysis in pulmonary pathology.
Roggli VL.

Tuberculous Peritonitis.
Vaid U, Kane GC.
Microbiol Spectr. 2017 Jan;5(1).
Statistical Modeling

**Statistical-thermodynamic model for light scattering from eye lens protein mixtures.**

Studies with Sheep and Sheep Farms

**Cobalt supplementation, alone or in combination with vitamin B and selenium: Effects on lamb performance and mineral status.**

**A nationwide survey of anthelmintic treatment failure on sheep farms in Ireland.**

**Can the amount of digestible undegraded protein offered to ewes in late pregnancy affect the periparturient change in resistance to gastrointestinal nematodes?**

Tobacco Smoke

**Case-control study of cumulative cigarette tar exposure and lung and upper aerodigestive tract cancers.**

**Malondialdehyde-acetaldehyde (MAA) adducted surfactant protein induced lung inflammation is mediated through scavenger receptor a (SR-A1).**

Transient Receptor Potential Receptors

**TRPM8 mediates the anti-inflammatory effects of eucalyptol.**

**Ankyrin-rich membrane spanning protein as a novel modulator of transient receptor potential vanilloid 1-function in nociceptive neurons.**
Transplants

**OPO Strategies to Prevent Unintended Use of Kidneys Exported for High PRA (>98% cPRA) Recipients.**
Paramesh AS, Neidlinger N, Salvatore M, Smith A, Friedman A, Payne W, Taber T, Wright C.

**Survival following lung transplantation for artificial stone silicosis relative to idiopathic pulmonary fibrosis.**

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.

ATS 2017 International Conference


ATS Secretary-Treasurer Election

The Deadline for the 2017 ATS Secretary-Treasurer Election is **Friday, March 24**. The two candidates are Juan C. Celedón, MD, DrPH (University of Pittsburgh) and J. Usha Raj, MD (Chicago College of Medicine). Read more about the candidates and cast your vote at [https://www.thoracic.org/vote-secretary-treasurer/index.php](https://www.thoracic.org/vote-secretary-treasurer/index.php).

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.