Dear EOPH members,

Welcome to the March 2016 EOPH newsletter. Inside, you will find the best publications from our membership in the last month, and our memberships’ achievements.

We have also included information on how to be a mentor or mentee at this year’s international conference. We encourage you to sign up! Mentees get valuable advice and guidance from someone who has “been there”. Mentors get the satisfaction of helping younger ATS members, AND will be registered for a chance to win free registration for ATS 2017.

Sincerely,

Kristina Bailey and Craig Glazer

This month is not just for March Madness in college basketball or for presidential primaries, it is the time to

**VOTE FOR OUR ATS EOPH LEADERSHIP.**

Please go online and cast your vote!


Jack Harkema, DVM, PhD, DACVP
Chair, Assembly for Environmental, Occupational and Population Health
The American Thoracic Society
Recent Publications

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

Aging

Lung function decline over 25 years of follow-up among black and white adults in the ARIC study cohort.

Allergy

Long-term treatment with egg oral immunotherapy enhances sustained unresponsiveness that persists after cessation of therapy.

Prenatal, perinatal, and childhood vitamin D exposure and their association with childhood allergic rhinitis and allergic sensitization.

Meteorological conditions, climate change, new emerging factors, and asthma and related allergic disorders. A statement of the World Allergy Organization.

Lung Cancer

Epiregulin is required for lung tumor promotion in a murine two-stage carcinogenesis model.

Polymorphisms of the centrosomal gene (FGFR1OP) and lung cancer risk: a meta-analysis of 14463 cases and 44188 controls.

Comparative Study of Autoantibody Responses between Lung Adenocarcinoma and Benign Pulmonary Nodules.
Occupational Health

Integrated approach to health screening of former department of energy workers detects both occupational and non-occupational illness.

Anxiety and depression predict musculoskeletal disorders in healthcare workers.

Prenatal Arsenic Exposure and Birth Outcomes among a Population Residing near a Mining-Related Superfund Site.

Risk of Pancreatic Cancer in Female Textile Workers in Shanghai, China, Exposed to Metals, Solvents, Chemicals, and Endotoxin: Follow-Up to a Nested Case-Cohort Study.

Asthma

Asthma-Related School Absenteeism, Morbidity, and Modifiable Factors.

Indoor microbial communities: Influence on asthma severity in atopic and nonatopic children.

Exhaled nitric oxide levels among adults with excessive alcohol consumption.

Gun violence, African ancestry, and asthma: a case-control study in Puerto Rican children.

In utero exposure to second-hand smoke activates pro-asthmatic and oncogenic miRNAs in adult asthmatic mice.

In utero exposure to pets is associated with asthma and wheezing in Mexican American children.

Asthma phenotypes in Turkey: A multicenter cross-sectional study in adult asthmatics.

IPF

MUC5B Promoter Variant rs35705950 Affects MUC5B Expression in the Distal Airways in Idiopathic Pulmonary Fibrosis.
Air pollution

Ambient Air Pollutants Have Adverse Effects on Insulin and Glucose Homeostasis in Mexican Americans.

Microglial priming through the lung-brain axis: the role of air pollution-induced circulating factors.

Particulate Matter Exposure and Cardiopulmonary Differences in the Multi-Ethnic Study of Atherosclerosis.

The Air Quality Health Index and Emergency Department Visits for Otitis Media.

Acute increase in blood pressure during inhalation of coarse particulate matter air pollution from an urban location.

Air pollution exposure and gestational diabetes mellitus among pregnant women in Massachusetts: a cohort study.

Agriculture

Organophosphorus pesticide exposure and neurobehavioral performance in Latino children living in an orchard community.

Pulmonary infection

DAS181 for the Treatment of Parainfluenza Virus Infections in 16 Hematopoietic Stem Cell Transplant Recipients at a Single Center.

Gene control of tyrosine kinase TIE2 and vascular manifestations of infections.

Benefit of Early Initiation of Influenza Antiviral Treatment to Pregnant Women Hospitalized With Laboratory-Confirmed Influenza.

Resolvin D1 Dampens Pulmonary Inflammation and Promotes Clearance of Nontypeable Haemophilus influenzae.
COPD
A Chronic Obstructive Pulmonary Disease Susceptibility Gene, FAM13A, Regulates Protein Stability of β-catenin.

Economic evaluations of fluticasone-propionate/salmeterol combination therapy for chronic obstructive pulmonary disease: a review of published studies.

Physiology
Muscimol Microinjected in the Arcuate Nucleus Affects Metabolism, Body Temperature & Ventilation.

Obesity
Effect of weight loss on operational lung volumes and oxygen cost of breathing in obese women.

Obesity and rhinitis in a nationwide study of children and adults in the United States.

Things worth celebrating
Dr. Anthony Szema's work with military veterans was highlighted in “the Guardian” newspaper. The article focused on Veteran’s pulmonary symptoms and the relationship to burn pits built on former chemical weapons facilities. Read the article here.

Mentoring program for Early Career Professionals
Kerri Johannson will be matching new mentor-mentee pairs in time for this year’s ATS meeting. If you are interested in being either a mentor or a mentee, please complete the brief survey at: http://www.thoracic.org/members/assemblies/assemblies/eoph/mentoring-program/
If you have participated in the mentorship program in the past, you can sign up again for a fresh match in time for this year’s conference.

This year we are planning to host a 1-hour speed-mentorship round table session at ATS, prior to the Assembly meeting on Monday May 16th (time and location TBA). This is open to all EOPH Assembly members registering for this year’s mentorship program as either mentors or mentees. If you are interested in participating, please sign up through the mentorship program survey (link above).

The ECP working group will have a short meeting at this year’s ATS meeting in San Francisco. If you are interested in joining the working group, email Kerri Johannson at kerri.johannson@ahs.ca.