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EOPH Newsletter

EOPH

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Dear EOPH members,

Welcome to the August 2016 issue of the EOPH newsletter, which includes recent “epub ahead of print” articles written by our membership and information about ATS events. We are certain that our members are doing great things worthy of recognition. Please send us notice of these accomplishments so that we can include them in our upcoming newsletters.

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 July. It is possible that our search may miss your latest manuscripts, so please send your recent publications to: kbailey@unmc.edu.

Air Pollution and Climate Change

[Association of air pollution sources and aldehydes with biomarkers of blood coagulation, pulmonary inflammation, and systemic oxidative stress.](#)

Altemose B, Robson MG, Kipen HM, Ohman Strickland P, Meng Q, Gong J, Huang W, Wang G, Rich DQ, Zhu T, Zhang J.

J Expo Sci Environ Epidemiol. 2016 Jul 20. [Epub ahead of print]

[Mechanisms of the acute effects of inhaled ozone in humans.](#)

Bromberg PA.

Biochim Biophys Acta. 2016 Jul 21. pii: S0304-4165(16)30262-8. [Epub ahead of print] Review.

[Ambient Air Pollution Is Associated With the Severity of Coronary Atherosclerosis and Incident Myocardial Infarction in Patients Undergoing Elective Cardiac Evaluation.](#)

Hartiala J, Breton CV, Tang WH, Lurmann F, Hazen SL, Gilliland FD, Allayee H.

J Am Heart Assoc. 2016 Jul 28;5(8). pii: e003947.

[High-resolution seismic constraints on flow dynamics in the oceanic asthenosphere.](#)

Lin PP, Gaherty JB, Jin G, Collins JA, Lizarralde D, Evans RL, Hirth G.

Nature. 2016 Jul 6;535(7613):538-541. [Epub ahead of print]

[London Fog-The Biography.](#)

Samet JM.

Am J Public Health. 2016 Aug;106(8):1352-3.

[Chronic effects of temperature on mortality in the Southeastern USA using satellite-based exposure metrics.](#)

Shi L, Liu P, Wang Y, Zanobetti A, Kosheleva A, Koutrakis P, Schwartz J.

Sci Rep. 2016 Jul 20;6:30161.

[Fine Particulate Matter, Residential Proximity to Major Roads, and Markers of Small Vessel Disease in a Memory Study Population.](#)

Wilker EH, Martinez-Ramirez S, Kloog I, Schwartz J, Mostofsky E, Koutrakis P, Mittleman MA, Viswanathan A.

J Alzheimers Dis. 2016 Jun 30. [Epub ahead of print]

[Long-Term Exposure to Air Pollution and Increased Risk of Membranous Nephropathy in China.](#)

Xu X, Wang G, Chen N, Lu T, Nie S, Xu G, Zhang P, Luo Y, Wang Y, Wang X, Schwartz J, Geng J, Hou FF.

J Am Soc Nephrol. 2016 Jun 30. pii: ASN.2016010093. [Epub ahead of print]

Allergic Diseases and Asthma

[Health Service Utilization and Poor Health Reporting in Asthma Patients.](#)

Behr JG, Diaz R, Akpinar-Elci M.

Int J Environ Res Public Health. 2016 Jun 30;13(7). pii: E645.

[Occupational Asthma.](#)

Farooqui N, Peden D.

J Allergy Clin Immunol Pract. 2016 Jul-Aug;4(4):783-4.

[Utility of a portable hand-held forced expiratory volume in 1 second meter for monitoring asthma in an inner-city school setting.](#)

Gaffin JM, Zhou JS, Cai Q, Petty CR, Fu C, Sheehan WJ, Baxi S, Bailey A, Gold DR, Phipatanakul W.

Ann Allergy Asthma Immunol. 2016 Jul 13. pii: S1081-1206(16)30370-2. [Epub ahead of print]

[Pesticides Are Associated with Allergic and Non-Allergic Wheeze among Male Farmers.](#)

Hoppin JA, Umbach DM, Long S, London SJ, Henneberger PK, Blair A, Alavanja M, Beane Freeman LE, Sandler DP.

Environ Health Perspect. 2016 Jul 6. [Epub ahead of print]

[Genetics and Genomics of Longitudinal Lung Function Patterns in Asthmatics.](#)

McGeachie MJ, Yates KP, Zhou X, Guo F, Sternberg AL, Van Natta ML, Wise RA, et al.

Am J Respir Crit Care Med. 2016 Jul 1. [Epub ahead of print]

Assessing Environmental and Occupational Exposures

[Relative Contributions of Agricultural Drift, Para-Occupational, and Residential Use Exposure Pathways to House Dust Pesticide Concentrations: Meta-Regression of Published Data.](#)

Deziel NC, Beane Freeman LE, Graubard BI, Jones RR, Hoppin JA, et al.

Environ Health Perspect. 2016 Jul 26. [Epub ahead of print] Review.

[New standard for assessing asbestos exposure and its consequences?](#)

Oliver LC, Welch L, Frank AL, Lemen RA, Mutti L.

Occup Environ Med. 2016 Jul 27. [Epub ahead of print]

Brain, Behavior, & Self-Reported Health Studies

[Factors associated with self-reported health: implications for screening level community-based health and environmental studies.](#)

Gallagher JE, Wilkie AA, Cordner A, Hudgens EE, Ghio AJ, Birch RJ, Wade TJ. BMC Public Health. 2016 Jul 26;16:640.

[Music Listening modulates Functional Connectivity and Information Flow in the Human Brain.](#)

Karmonik C, Brandt A, Anderson J, Brooks F, Lytle J, Silverman E, Frazier JT. Brain Connect. 2016 Jul 27. [Epub ahead of print]

[Sexual violence from police and HIV risk behaviours among HIV-positive women who inject drugs in St. Petersburg, Russia - a mixed methods study.](#)

Lunze K, Raj A, Cheng DM, Quinn EK, Lunze FI, Liebschutz JM, Briden C, Walley AY, Blokhina E, Krupitsky E, Samet JH. J Int AIDS Soc. 2016 Jul 18;19(4 Suppl 3):20877.

[Measuring the Social Impact of Burns on Survivors.](#)

Marino M, Soley-Bori M, Jette AM, Slavin MD, Ryan CM, Schneider JC, Acton A, Amaya F, Rossi M, Soria-Saucedo R, Resnik L, Kazis LE. J Burn Care Res. 2016 Jun 29. [Epub ahead of print]

Cancer

[Transforming Big Data into cancer-relevant insight: An initial, multi-tier approach to assess reproducibility and relevance.](#)

Gerhard DS, Clemons PA, Shamji AF, Hon C, Wagner BK, et al. Mol Cancer Res. 2016 Jul 11. pii: molcanres.0090.2016. [Epub ahead of print]

[Population attributable fraction of Esophageal squamous cell carcinoma due to smoking and alcohol in Uganda.](#)

Okello S, Churchill C, Otori R, Nasasira B, Tumuhimbise C, Abonga CL, Mutibwa D, Christiani DC, Corey KE. BMC Cancer. 2016 Jul 11;16:446.

[Population pharmacokinetic \(PK\) analysis of laromustine, an emerging alkylating agent, in cancer patients.](#)

Nassar AF, Wisniewski AV, King I. Xenobiotica. 2016 Jul 20:1-14. [Epub ahead of print]

[Surgical prophylaxis with gram-negative activity for reduction of surgical site infections after microvascular reconstruction for head and neck cancer.](#)

Wagner JL, Kenney RM, Vazquez JA, Ghanem TA, Davis SL. Head Neck. 2016 Jul 26. [Epub ahead of print]

[Genome-wide association study confirms lung cancer susceptibility loci on chromosomes 5p15 and 15q25 in an African-American population.](#)

Zanetti KA, Wang Z, Aldrich M, Amos CI, Blot WJ, Bowman ED, et al. Lung Cancer. 2016 Aug;98:33-42. Epub 2016 May 13.

Chronic Obstructive Pulmonary Disease and Tobacco Use

[E-cigarettes, Cigarettes, and the Prevalence of Adolescent Tobacco Use.](#)

Barrington-Trimis JL, Urman R, Leventhal AM, Gauderman WJ, Cruz TB, Gilreath TD, Howland S, Unger JB, Berhane K, Samet JM, McConnell R. Pediatrics. 2016 Jul 11. pii: e20153983. [Epub ahead of print]

[Indoor particulate matter exposure is associated with increased black carbon content in airway macrophages of former smokers with COPD.](#)

Belli AJ, Bose S, Aggarwal N, DaSilva C, Thapa S, Grammer L, Paulin LM, Hansel NN. Environ Res. 2016 Jun 30;150:398-402. [Epub ahead of print]

[Development of the chronic obstructive pulmonary disease morning symptom diary \(COPD-MSD\).](#)

Globe G, Currie B, Leidy NK, Jones P, Mannino D, Martinez F, Klekotka P, O'Quinn S, Karlsson N, Wiklund I. Health Qual Life Outcomes. 2016 Jul 16;14(1):104.

[Hospital Non-Invasive Ventilation Case-Volume and Outcomes for Acute Exacerbations of Chronic Obstructive Pulmonary Disease.](#)

Mehta AB, Douglas IS, Walkey AJ.

[A proof-of-concept clinical study examining the NRF2 activator sulforaphane against neutrophilic airway inflammation.](#)

Duran CG, Burbank AJ, Mills KH, Duckworth HR, Aleman MM, Kesic MJ, Peden DB, Pan Y, Zhou H, Hernandez ML. Respir Res. 2016 Jul 22;17(1):89.

Critical Care

[Association of 30-day All-cause Readmission with Long-term Outcomes in Hospitalized Older Medicare Beneficiaries with Heart Failure.](#)

Arundel C, Lam PH, Khosla R, Blackman MR, Fonarow GC, Morgan C, et al. Am J Med. 2016 Jul 9. pii: S0002-9343(16)30675-1. [Epub ahead of print]

[Predialysis nephrology care and dialysis-related health outcomes among older adults initiating dialysis.](#)

Fischer MJ, Stroupe KT, Kaufman JS, O'Hare AM, Browning MM, Sohn MW, Huo Z, Hynes DM. BMC Nephrol. 2016 Jul 29;17(1):103.

[Mortality Trends of Acute Respiratory Distress Syndrome in the United States from 1999-2013.](#)

Cochi SE, Kempker JA, Annangi S, Kramer MR, Martin GS.

[Early goal-directed therapy in severe sepsis and septic shock: insights and comparisons](#)

Nguyen HB, Jaehne AK, Jayaprakash N, Semler MW, Hegab S, et al.

Crit Care. 2016 Jul 1;20(1):160.

[Association Between Hospital Performance on Patient Safety and 30-Day Mortality and Unplanned Readmission for Medicare Fee-for-Service Patients With Acute Myocardial Infarction.](#)

Wang Y, Eldridge N, Metersky ML, Sonnenfeld N, Fine JM, et al.

J Am Heart Assoc. 2016 Jul 12;5(7). pii: e003731.

Interstitial Lung Diseases

[High attenuation areas on chest computed tomography in community-dwelling adults: the MESA study.](#)

Podolanczuk AJ, Oelsner EC, Barr RG, Hoffman EA, Armstrong HF, et al.

Eur Respir J. 2016 Jul 28. pii: ERJ-00129-2016. [Epub ahead of print]

[Mycophenolate mofetil versus oral cyclophosphamide in scleroderma-related interstitial lung disease \(SLS II\): a randomised controlled, double-blind, parallel group trial.](#)

Tashkin DP, Roth MD, Clements PJ, Furst DE, Khanna D, et al.

Lancet Respir Med. 2016 Jul 25. pii: S2213-2600(16)30152-7. [Epub ahead of print]

Occupational Health

[Occupational Exposure to Pesticides and the Incidence of Lung Cancer in the Agricultural Health Study.](#)

Bonner MR, Beane Freeman LE, Hoppin JA, Koutros S, Sandler DP, Lynch CF, Hines CJ, Thomas K, Blair A, Alavanja MC.

Environ Health Perspect. 2016 Jul 6. [Epub ahead of print]

[Weight loss advice and prospective weight change among overweight firefighters.](#)

Brown AL, Poston WS, Jahnke SA, Keith Haddock C, Luo S, Delclos GL, Sue Day R.

Int J Occup Environ Health. 2016 Jul 28:1-7. [Epub ahead of print]

[Breath-taking jobs: a case-control study of respiratory work disability by occupation in Norway.](#)

Fell A, Abrahamsen R, Henneberger PK, Svendsen MV, Andersson E, Torén K, Kongerud J.

Occup Environ Med. 2016 Jun 30. pii: oemed-2015-103488. [Epub ahead of print]

[Hired farmworkers in the US: Demographics, work organisation, and services.](#)

Reid A, Schenker MB.

Am J Ind Med. 2016 Aug;59(8):644-55.

Regulation of Genes and Epigenetics

[Telomere structure and maintenance gene variants and risk of five cancer types.](#)

Karami S, Han Y, Pande M, Cheng I, Rudd J, Pierce BL, Nutter EL, et al.

Int J Cancer. 2016 Jul 26. doi: 10.1002/ijc.30288. [Epub ahead of print]

[Multivariate Bayesian variable selection exploiting dependence structure among outcomes: Application to air pollution effects on DNA methylation.](#)

Lee KH, Tadesse MG, Baccarelli AA, Schwartz J, Coull BA.

Biometrics. 2016 Jul 5. doi: 10.1111/biom.12557. [Epub ahead of print]

[Maternal Age at Delivery Is Associated with an Epigenetic Signature in Both Newborns and Adults.](#)

Markunas CA, Wilcox AJ, Xu Z, Joubert BR, Harlid S, Panduri V, Håberg SE, Nystad W, London SJ, Sandler DP, Lie RT, Wade PA, Taylor JA.

PLoS One. 2016 Jul 6;11(7):e0156361.

Respiratory Infections

[PET CT Identifies Reactivation Risk in Cynomolgus Macaques with Latent M. tuberculosis.](#)

Lin PL, Maiello P, Gideon HP, Coleman MT, Cadena AM, et al.

PLoS Pathog. 2016 Jul 5;12(7):e1005739.

[Association of sputum microbiota profiles with severity of community-acquired pneumonia in children.](#)

Pettigrew MM, Gent JF, Kong Y, Wade M, Gansebom S, Bramley AM, Jain S, Arnold SL, McCullers JA.

BMC Infect Dis. 2016 Jul 8;16:317.

Support and Training for Healthcare Professionals

[Strengthening the Role of Nurses in Medical Device Development.](#)

Castner J, Sullivan SS, Titus AH, Klingman KJ.
J Prof Nurs. 2016 Jul-Aug;32(4):300-5.

[Emotional Support for Health Care Professionals: A Therapeutic Role for the Hospital Ethics Committee.](#)

Chooljian DM, Hallenbeck J, Ezeji-Okoye SC, et al.
J Soc Work End Life Palliat Care. 2016 Jul-Sep;12(3):277-88.

[Improving Environmental Health Literacy and Justice through Environmental Exposure Results Communication.](#)

Ramirez-Andreotta MD, Brody JG, Lothrop N, Loh M, Beamer PI, Brown P.
Int J Environ Res Public Health. 2016 Jul 8;13(7). pii: E690.

[Shared decision making in Swedish community mental health services - an evaluation of three self-reporting instruments.](#)

Rosenberg D, Schön UK, Nyholm M, Grim K, Svedberg P.
J Ment Health. 2016 Jul 23:1-8. [Epub ahead of print]

Toxic Effects of Nanoparticles, Industrial Chemicals, Emissions, and Chemical Warfare Agents

[Gaseous and Particulate Content of Laser Hair Removal Plume.](#)

Chuang GS, Farinelli W, Christiani DC, Herrick RF, Lee NC, Avram MM.
JAMA Dermatol. 2016 Jul 6. [Epub ahead of print]

[Persistent effects of chlorine inhalation on respiratory health.](#)

Hoyle GW, Svendsen ER.
Ann N Y Acad Sci. 2016 Jul 6. [Epub ahead of print]

[Murine precision-cut lung slices exhibit acute responses following exposure to gasoline direct injection engine emissions.](#)

Maikawa CL, Zimmerman N, Rais K, Shah M, Hawley B, Pant P, Jeong CH, Delgado-Saborit JM, Volckens J, Evans G, Wallace JS, Godri Pollitt KJ.
Sci Total Environ. 2016 Jun 28. [Epub ahead of print]

[Tear gas: an epidemiological and mechanistic reassessment.](#)

Rothenberg C, Achanta S, Svendsen ER, Jordt SE.
Ann N Y Acad Sci. 2016 Jul 8. [Epub ahead of print]

[Pulmonary effects of inhalation of spark-generated silver nanoparticles in Brown-Norway and Sprague-Dawley rats.](#)

Seiffert J, Buckley A, Leo B, Martin NG, Zhu J, Dai R, Hussain F, et al.
Respir Res. 2016 Jul 19;17(1):85.

[Identification of novel reaction products of methylene-bis-phenylisocyanate \("MDI"\) with oxidized glutathione in aqueous solution and also during incubation of MDI with a murine hepatic S9 fraction.](#)

Wisnewski AV, Liu J, Nassar AF.

Toxicol In Vitro. 2016 Jul 21. pii: S0887-2333(16)30140-0. [Epub ahead of print]

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.



Call for ATS Award Nominations

Nominations for the ATS Respiratory Health Awards, which recognize individuals who have made outstanding contributions to respiratory, critical care and sleep medicine through research, clinical care, education or public service are due **September 30**. Additional information is available at <http://conference.thoracic.org/program/call-for-award-nominations.php>.

Seeking Facilitators for ATS 2017

The ATS would like to engage participants in leading programming as facilitators at the Thematic Poster Sessions and chairs at the Poster Discussion Sessions. To help us achieve this objective, please provide us with information about your interests and expertise by completing a [short questionnaire](#). Please complete the survey by **September 30**.

ATS 2016 Hill Day and the Issue of E-cigarettes

Check out the ATS news article about the 2016 Hill Day and the advocacy efforts of the ATS for the regulation of tobacco products at

<http://news.thoracic.org/ats-2016-hill-day-behind-the-scenes-with-team-5/>.

On Hill Day, Team 5 discussed the harmful effects of **e-cigarettes**, both known and unknown, with members of Congress. A key message of ATS advocates was “Until we know what’s inside available tobacco products, we can’t know if they’re safe or not.”



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.