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EOPH Newsletter

EOPH

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Dear EOPH members,

We hope you all have a Happy Halloween! In this October 2016 issue of the EOPH newsletter, we share some recent “epub ahead of print” articles written by our membership. We also share some accomplishments from our members and information about abstracts for the 2017 ATS 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 craig.glazer@utsouthwestern.edu.

Sincerely,

Kristina Bailey and Craig Glazer



Recent publications

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

Advancement of Science and Medicine

[NIEHS: 50 Years of Advancing Science, Improving LUNG Health.](#)

Antony VB, Redlich CA, Pinkerton KE, Balmes J, Harkema JR.

Am J Respir Crit Care Med. 2016 Sep 26. [Epub ahead of print]

[A Research Agenda to Advance the Coordination of Care for General Medical and Substance Use Disorders.](#)

Quinn AE, Rubinsky AD, Fernandez AC, Hahn HC, Samet JH.

Psychiatr Serv. 2016 Sep 15:appips201600070. [Epub ahead of print]

Air Pollution

[Preface: Special Issue on Air Pollution.](#)

Ding W, Ghio AJ, Wu W.

Biochim Biophys Acta. 2016 Dec;1860(12):2769-70. doi:

10.1016/j.bbagen.2016.09.007.

[Plasminogen activator inhibitor-1 does not contribute to the pulmonary pathology induced by acute exposure to ozone.](#)

Elkhidir HS, Richards JB, Cromar KR, Bell CS, Price RE, Atkins CL, Spencer CY, Malik F, Alexander AL, Cockerill KJ, Haque IU, Johnston RA.

Physiol Rep. 2016 Sep;4(18). pii: e12983.

[Modeling indoor particulate exposures in inner-city school classrooms.](#)

Gaffin JM, Petty CR, Hauptman M, Kang CM, Wolfson JM, Abu Awad Y, Di Q, Lai PS, Sheehan WJ, Baxi S, Coull BA, Schwartz JD, Gold DR, Koutrakis P, Phipatanakul W.

J Expo Sci Environ Epidemiol. 2016 Sep 7. doi: 10.1038/jes.2016.52.

[Comparing the Health Effects of Ambient Particulate Matter Estimated Using Ground-Based versus Remote Sensing Exposure Estimates.](#)

Jerrett M, Turner MC, Beckerman BS, Pope CA 3rd, van Donkelaar A, Martin RV, Serre M, Crouse D, Gapstur SM, Krewski D, Diver WR, Coogan PF, Thurston GD, Burnett RT.

Environ Health Perspect. 2016 Sep 9. [Epub ahead of print]

[School Environmental Intervention to Reduce Particulate Pollutant Exposures for Children with Asthma.](#)

Jhun I, Gaffin JM, Coull BA, Huffaker MF, Petty CR, Sheehan WJ, Baxi SN, Lai PS, Kang CM, Wolfson JM, Gold DR, Koutrakis P, Phipatanakul W.
J Allergy Clin Immunol Pract. 2016 Sep 15. pii: S2213-2198(16)30320-8.

[Respiratory Effects of Indoor Heat and the Interaction with Air Pollution in COPD.](#)

McCormack MC, Belli AJ, Waugh D, Matsui EC, Peng RD, Williams D, Paulin L, Saha A, Aloe CM, Diette GB, Breyse PN, Hansel NN.
Ann Am Thorac Soc. 2016 Sep 29. [Epub ahead of print]

[Scripted drives: A robust protocol for generating exposures to traffic-related air pollution.](#)

Patton AP, Laumbach R, Ohman-Strickland P, Black K, Alimokhtari S, Lioy P, Kipen HM.
Atmos Environ (1994). 2016 Oct;143:290-299. Epub 2016 Aug 12.

[Physical Activity and Air Pollution Exposures in the Urban Environment.](#)

Paulin LM, Hansel NN.
Am J Respir Crit Care Med. 2016 Oct 1;194(7):786-787.

Asthma, Allografts, and Atopy

[Defect density in multiwalled carbon nanotubes influences ovalbumin adsorption and promotes macrophage activation and CD4\(+\) T-cell proliferation.](#)

Bai W, Raghavendra A, Podila R, Brown JM.
Int J Nanomedicine. 2016 Sep 2;11:4357-71. doi: 10.2147/IJN.S111029.

[Neonatal gut microbiota associates with childhood multisensitized atopy and T cell differentiation.](#)

Fujimura KE, Sitarik AR, Havstad S, Lin DL, Levan S, Fadrosch D, Panzer AR, LaMere B, Rackaityte E, Lukacs NW, Wegienka G, Boushey HA, Ownby DR, Zoratti EM, Levin AM, Johnson CC, Lynch SV.
Nat Med. 2016 Sep 12. doi: 10.1038/nm.4176. [Epub ahead of print]

[Asthma as a disruption in iron homeostasis.](#)

Ghio AJ.
Biometals. 2016 Oct;29(5):751-79. doi: 10.1007/s10534-016-9948-y.

[Efficacy and safety of lebrikizumab in patients with uncontrolled asthma \(LAVOLTA I and LAVOLTA II\): replicate, phase 3, randomised, double-blind, placebo-controlled trials.](#)

Hanania NA, Korenblat P, Chapman KR, Bateman ED, Kopecky P, Paggiaro P, Yokoyama A, Olsson J, Gray S, Holweg CT, Eisner M, Asare C, Fischer SK, Peng K, Putnam WS, Matthews JG.
Lancet Respir Med. 2016 Sep 2. pii: S2213-2600(16)30265-X.

[Cardiovascular and cerebrovascular events among patients receiving omalizumab: Results from EXCELS, a prospective cohort study of moderate-to-severe asthma.](#)

Iribarren C, Rahmaoui A, Long AA, Szeffler SJ, Bradley MS, Carrigan G, Eisner MD, Chen H, Omachi TA, Farkouh ME, Rothman KJ.

J Allergy Clin Immunol. 2016 Sep 14. pii: S0091-6749(16)30961-7.

[Are De Novo DQ Donor-Specific Antibodies the Key to Chronic Lung Allograft Dysfunction?](#)

Shenoy KV.

Am J Respir Crit Care Med. 2016 Sep 1;194(5):534-5. doi: 10.1164/rccm.201603-0620ED.

Cancer

[Association Between Somatostatin Receptor Expression and Clinical Outcomes in Neuroendocrine Tumors.](#)

Qian ZR, Li T, Ter-Minassian M, Yang J, Chan JA, Brais LK, Masugi Y, Thiaglingam A, Brooks N, Nishihara R, Bonnemarie M, Masuda A, Inamura K, Kim SA, Mima K, Sukawa Y, Dou R, Lin X, Christiani DC, Schmidlin F, Fuchs CS, Mahmood U, Ogino S, Kulke MH.

Pancreas. 2016 Sep 12. [Epub ahead of print]

[A novel cytokine profile associated with cancer metastasis to mediastinal and hilar lymph nodes identified using fine needle aspiration biopsy - A pilot study.](#)

Saeed AI, Qeadan F, Sood A, VanderJagt DJ, Mishra SI, Hill DA, Peikert T, Sopori ML.

Cytokine. 2016 Sep 2. pii: S1043-4666(16)30466-5.

[Survival Benefit of Postoperative Radiation in Papillary Meningioma: Analysis of the National Cancer Data Base.](#)

Sumner W, Amini A, Hankinson TC, Foreman NK, Gaspar LE, Kavanagh BD, Karam S, Rusthoven CG, Liu AK.

Int J Radiat Oncol Biol Phys. 2016 Oct 1;96(2S):S176-S177.

Climate Change

[Environment, Global Climate Change, and Cardiopulmonary Health.](#)

Bayram H, Bauer AK, Abdalati W, Carlsten C, Pinkerton KE, Thurston GD, Balmes JR, Takaro TK.

Am J Respir Crit Care Med. 2016 Sep 21. [Epub ahead of print]

[Developing effective communication materials on the health effects of climate change for vulnerable groups: a mixed methods study.](#)

Kreslake JM, Price KM, Sarfaty M.

BMC Public Health. 2016 Sep 7;16:946. doi: 10.1186/s12889-016-3546-3.

Development and Training for Clinicians & Medical Students

[Factors that impact medical student and house-staff career interest in brain related specialties.](#)

Kamour AH, Han DY, Mannino DM, Hessler AB, Kedar S.

J Neurol Sci. 2016 Oct 15;369:312-7. doi: 10.1016/j.jns.2016.08.046. Epub 2016 Aug 24.

[Laparoscopic simulation for surgical residents in Ethiopia: course development and results.](#)

Morrow E, Bekele A, Tegegne A, Kotisso B, Warner E, Kaufman J, Amies Oelschlager AM, Oelschlager B.

Am J Surg. 2016 Aug 1. pii: S0002-9610(16)30376-2. doi: 10.1016/j.amjsurg.2016.06.022.

[Reply: Cost and Sustainability of Respiratory Medicine Education in Low-Income Countries.](#)

Schluger NW, Braendli O, Carter EJ, Getaneh A, Sherman CB.

Ann Am Thorac Soc. 2016 Sep;13(9):1665-6.

[Resilience among Employed Physicians and Mid-Level Practitioners in Upstate New York.](#)

Waddimba AC, Scribani M, Hasbrouck MA, Krupa N, Jenkins P, May JJ.

Health Serv Res. 2016 Oct;51(5):1706-34. doi: 10.1111/1475-6773.12499.

[Palliative Care Education in Radiation Oncology Training Programs Across the United States: A Program Directors' Survey.](#)

Wei RL, Vapiwala N, Racsa M, Colbert LE, Jones JA, Kane GM, Dharmarajan KV.

Int J Radiat Oncol Biol Phys. 2016 Oct 1;96(2S):S148.

Economics and Critical Care

[Total Medicare and Radiation-Specific Costs During a Palliative "Radiation Episode".](#)

Chen AB, Li L, Cronin A, Brooks G, Kavanagh BD, Schrag D.

Int J Radiat Oncol Biol Phys. 2016 Oct 1;96(2S):S136.

[Organ donation as an outcome of traumatic cardiopulmonary arrest: A cost evaluation.](#)

Love KM, Brown JB, Harbrecht BG, Muldoon SB, Miller KR, Bennis MV, Smith JW, Baker CE, Franklin GA.

J Trauma Acute Care Surg. 2016 May;80(5):792-8.

Exposure to Metals

[Association of Dietary Intake and Biomarker Levels of Arsenic, Cadmium, Lead, and Mercury among Asian Populations in the U.S.: NHANES 2011-2012.](#)

Awata H, Linder S, Mitchell LE, Delclos GL.

Environ Health Perspect. 2016 Sep 2. [Epub ahead of print]

[Lead-Related Genetic Loci, Cumulative Lead Exposure and Incident Coronary Heart Disease: The Normative Aging Study.](#)

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PLoS One. 2016 Sep 1;11(9):e0161472. doi: 10.1371/journal.pone.0161472..

Fibrotic Diseases

[Idiopathic Pulmonary Fibrosis: A Genetic Disease That Involves Mucociliary Dysfunction of the Peripheral Airways.](#)

Evans CM, Fingerlin TE, Schwarz MI, Lynch D, Kurche J, Warg L, Yang IV, Schwartz DA.
Physiol Rev. 2016 Oct;96(4):1567-91. doi: 10.1152/physrev.00004.2016. Review.

[Coagulation-driven hepatic fibrosis requires protease activated receptor-1 \(PAR-1\) in a mouse model of TCDD-elicited steatohepatitis.](#)

Nault R, Fader KA, Kopec AK, Harkema JR, Zacharewski TR, Luyendyk JP.
Toxicol Sci. 2016 Sep 9. pii: kfw175. [Epub ahead of print]

Genetic Associations with Lung Diseases

[Genome-Wide Association Study of the Genetic Determinants of Emphysema Distribution.](#)

Boueiz A, Lutz SM, Cho MH, Hersh CP, Bowler RP, Washko GR, et al.
Am J Respir Crit Care Med. 2016 Sep 26. [Epub ahead of print]

[PALB2, CHEK2 and ATM rare variants and cancer risk: data from COGS.](#)

Southey MC, Goldgar DE, Winqvist R, Pylkäs K, Couch F, Tischkowitz M, et al.
J Med Genet. 2016 Sep 5. pii: jmedgenet-2016-103839. doi: 10.1136/jmedgenet-2016-103839.

[Increasing Generality and Power of Rare-Variant Tests by Utilizing Extended Pedigrees.](#)

Sul JH, Cade BE, Cho MH, Qiao D, Silverman EK, Redline S, Sunyaev S.
Am J Hum Genet. 2016 Sep 21. pii: S0002-9297(16)30369-X. doi: 10.1016/j.ajhg.2016.08.015.

Imaging and Pulmonary Diseases

[Using Hyperpolarized ¹²⁹Xe MRI to Quantify the Pulmonary Ventilation Distribution.](#)

He M, Driehuys B, Que LG, Huang YT.
Acad Radiol. 2016 Sep 8. pii: S1076-6332(16)30181-7.

In Vitro Studies of Human Lung Cells

[HUMAN ALVEOLAR MACROPHAGES MAY NOT BE SUSCEPTIBLE TO DIRECT INFECTION BY A HUMAN INFLUENZA VIRUS.](#)

Ettensohn DB, Frampton MW, Nichols JE, Roberts NJ Jr.
J Infect Dis. 2016 Sep 6. pii: jiw413. [Epub ahead of print]

[Human lung fibroblasts produce pro-resolving peroxisome proliferator-activated receptor-gamma ligands in a cyclooxygenase-2 dependent manner.](#)

Lacy SH, Woeller CF, Thatcher TH, Maddipati KR, Honn KV, Sime PJ, Phipps RP.
Am J Physiol Lung Cell Mol Physiol. 2016 Sep 9:ajplung.00272.2016. doi: 10.1152/ajplung.00272.2016. [Epub ahead of print]

Nervous System Diseases and Pain

[Low back pain among office workers in three Spanish-speaking countries: findings from the CUPID study.](#)

Campos-Fumero A, Delclos GL, Douphrate DI, Felknor SA, Vargas-Prada S, Serra C, Coggon D, Gimeno Ruiz de Porras D.
Inj Prev. 2016 Sep 1. pii: injuryprev-2016-042091.

[Dysregulation of angiopoietin-1 plays a mechanistic role in the pathogenesis of cerebral malaria.](#)

Higgins SJ, Purcell LA, Silver KL, Tran V, Crowley V, Hawkes M, Conroy AL, Opoka RO, Hay JG, Quaggin SE, Thurston G, Liles WC, Kain KC.
Sci Transl Med. 2016 Sep 28;8(358):358ra128.

Occupational Exposures and Cardiopulmonary Disease

[Reply: Coal Mine Dust Lung Disease That Persists below the Surface of Surveillance: Down Under.](#)

Cohen RA, Rose C, Petsonk EL, Abraham JL, Green FH, Churg A.
Am J Respir Crit Care Med. 2016 Sep 15;194(6):773-4.

[Isolated diffusing capacity reduction is a common clinical presentation in deployed Iraq and Afghanistan veterans with deployment-related environmental exposures.](#)

Falvo MJ, Helmer DA, Klein JC, Osinubi OY, Ndirangu D, Patrick-DeLuca LA, Sotolongo AM.
Clin Respir J. 2016 Sep 10. doi: 10.1111/crj.12552. [Epub ahead of print]

[Effect of Body Mass Index on Left Ventricular Mass in Career Male Firefighters.](#)

Korre M, Porto LG, Farioli A, Yang J, Christiani DC, Christophi CA, Lombardi DA, Kovacs RJ, Mastouri R, Abbasi S, Steigner M, Moffatt S, Smith D, Kales SN.
Am J Cardiol. 2016 Aug 31. pii: S0002-9149(16)31450-3.

Tobacco Products and E-Cigarettes

[Effects of sweet flavorings and nicotine on the appeal and sensory properties of e-cigarettes among young adult vapers: Application of a novel methodology.](#)

Goldenson NI, Kirkpatrick MG, Barrington-Trimis JL, Pang RD, McBeth JF, Pentz MA, Samet JM, Leventhal AM.

Drug Alcohol Depend. 2016 Sep 22;168:176-180. doi: 10.1016/j.drugalcdep.2016.09.014.

[E-cigarettes, conventional cigarettes, and dual use in Korean adolescents and university students: Prevalence and risk factors.](#)

Jeon C, Jung KJ, Kimm H, Lee S, Barrington-Trimis JL, McConnell R, Samet JM, Jee SH.

Drug Alcohol Depend. 2016 Sep 5;168:99-103.

[Epigenetic Signatures of Cigarette Smoking.](#)

JoeHanes R, Just AC, Marioni RE, Pilling LC, Reynolds LM, Mandaviya PR, Guan W, et al.

Circ Cardiovasc Genet. 2016 Sep 20. pii: CIRCGENETICS.116.001506.

[Secondhand Tobacco Smoke Exposure Associations with DNA Methylation of the Aryl Hydrocarbon Receptor Repressor.](#)

Reynolds LM, Magid HS, Chi GC, Lohman K, Barr RG, Kaufman JD, Hoeschele I, Blaha MJ, Navas-Acien A, Liu Y.

Nicotine Tob Res. 2016 Aug 31. pii: ntw219. [Epub ahead of print]

[Flavoured tobacco products and the public's health: lessons from the TPSAC menthol report.](#)

Samet JM, Pentz MA, Unger JB.

Tob Control. 2016 Sep 15. pii: tobaccocontrol-2016-053208.

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.



Anthony Szema MD from New York was recently awarded a NIOSH grant “9/11 Trauma and Toxicity in Childhood: Longitudinal Health and Behavioral Outcomes”. He will study children exposed to World trade center disaster and help study the interactions between psychic trauma and airborne hazards.

ATS 2017 – Call for Abstracts and Case Reports

The deadline to submit a scientific or case report abstract related to respiratory disease, critical care, and/or sleep medicine for the 2017 ATS Conference (May 19-24 in Washington, D.C.) is **Wednesday, November 2 at 5:00 pm ET**. Additional information can be found at http://conference.thoracic.org/program/call_for_abstracts/index.php.

Applications for the 2017 ATS Innovations in Fellowship Education Program

There is a call for abstracts from adult and pediatric fellowship training programs that describe innovative training practices in pulmonary, critical care, sleep, or allergy fellowship programs. Up to 5 abstracts will be selected from the submissions. These abstracts and their authors will be recognized at the 2017 ATS Conference, receive a plaque at the section on Medical Education meeting, and invited to present their work at the APCCMPD-ATS-PEPTDA Forum. **The deadline to submit new or updated Innovations in Fellowship Education abstract is Wednesday, November 2, 2016.** For more information, go to <http://www.thoracic.org/professionals/career-development/fellows/innovations-award.php>.

EOPH and Social Media

Check out the EOPH twitter (https://twitter.com/ATS_EOPH; @ATS_EOPH) and EOPH Early Career Professionals Facebook page (<https://www.facebook.com/ATS-EOPH-Assembly-Early-Career-Professionals-800029990074931/?fref=ts>) for recent news, training opportunities, and more.

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.