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EOPH Newsletter

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Dear EOPH members,

It was great seeing everyone at the ATS Annual Meeting in San Francisco this month! Included are the “epub ahead of print” articles from our membership for April 2016. 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 the June 2016 newsletter. We welcome any input into what else you would like to see in the newsletter. Please contact us at kbailey@unmc.edu or craig.glazer@utsouthwestern.edu with any noteworthy publications, achievements, or suggestions for future issues.

Sincerely,

Your web committee co-chairs,

Kristina Bailey and Craig Glazer



Recent publications

This section highlights some of our members' best work in April 2016. We have only included "epub ahead of print" articles in an effort to simplify our search method while making you aware of your colleagues' most recent work.

Air Pollution

Active transport: Exercise trumps air pollution, almost always.

Woodward A, Samet J. Prev Med. 2016 Apr 20. PMID: 27107815

Perception and reality of particulate matter exposure in New York City taxi drivers.

Gany F, Bari S, Prasad L, Leng J, Lee T, Thurston GD, Gordon T, Acharya S, Zelikoff JT. J Expo Sci Environ Epidemiol. 2016 May 11. PMID: 27168392

Estimating Causal Effects of Long-Term PM_{2.5} Exposure on Mortality in New Jersey.

Wang Y, Kloog I, Coull BA, Kosheleva A, Zanobetti A, Schwartz JD. Environ Health Perspect. 2016 Apr 15. PMID: 27082965

Maternal residential proximity to major roadways, birth weight, and placental DNA methylation.

Kingsley SL, Eliot MN, Whitsel EA, Huang YT, Kelsey KT, Marsit CJ, Wellenius GA. Environ Int. 2016 Apr 5;92-93:43-49. PMID: 27058926

"What We Breathe Impacts Our Health: Improving Understanding of the Link between Air Pollution and Health".

West JJ, Cohen A, Dentener F, Brunekreef B, Zhu T, Armstrong B, Bell ML, Brauer M, Carmichael G, Costa DL, Dockery DW, Kleeman M, Krzyzanowski M, Künzli N, Liousse C, Lung SC, Martin RV, Pöschl U, Pope CA 3rd, Roberts JM, Russell AG, Wiedinmyer C. Environ Sci Technol. 2016 May 5. PMID: 27010639

Individual and Neighborhood Socioeconomic Status and the Association between Air Pollution and Cardiovascular Disease.

Chi GC, Hajat A, Bird CE, Cullen MR, Griffin BA, Miller KA, Shih RA, Stefanick ML, Vedal S, Whitsel EA, Kaufman JD. Environ Health Perspect. 2016 May 3. PMID: 27138533

Combining Land-Use Regression and Chemical Transport Modeling in a Spatiotemporal Geostatistical Model for Ozone and PM_{2.5}.

Wang M, Sampson PD, Hu J, Kleeman M, Keller JP, Olives C, Szpiro AA, Vedal S, Kaufman JD. Environ Sci Technol. 2016 Apr 26. PMID: 27074524

Asthma

Gender and Asthma-Chronic Obstructive Pulmonary Disease

[Overlap Syndrome.](#) Wheaton AG, Pleasants RA, Croft JB, Ohar JA, Heidari K, Mannino DM, Liu Y, Strange C. J Asthma. 2016 Apr 6:0. PMID: 27043854

[Community Violence and Health Disparities in Asthma.](#) Cohen RT, Celedón JC. J Pediatr. 2016 Apr 7. pii: S0022-3476(16)00424-8. PMID: 27063806

COPD

[Integrated Genomics Reveals Convergent Transcriptomic Networks Underlying COPD and IPF.](#) Kusko RL, Brothers li JF, Tedrow J, Pandit K, Huleihel L, Perdomo C, Liu G, Juan-Guardela B, Kass D, Zhang S, Lenburg M, Martinez F, Quackenbush J, Sciurba F, Limper A, Geraci M, Yang I, Schwartz DA, Beane J, Spira A, Kaminski N. Am J Respir Crit Care Med. 2016 Apr 22. PMID: 27104832

[Persistent and Newly Developed Chronic Bronchitis Are Associated with Worse Outcomes in Chronic Obstructive Pulmonary Disease.](#) Kim V, Zhao H, Boriek AM, Anzueto A, Soler X, Bhatt SP, Rennard SI, Wise R, Comellas A, Ramsdell JW, Kinney GL, Han MK, Martinez CH, Yen A, Black-Shinn J, Porszasz J, Criner GJ, Hanania NA, Sharafkhaneh A, Crapo JD, Make BJ, Silverman EK, Curtis JL; COPDGene Investigators. Ann Am Thorac Soc. 2016 May 9. PMID: 27158740

[Validation of a New Risk Measure for Chronic Obstructive Pulmonary Disease Exacerbation Using Health Insurance Claims Data.](#) Stanford RH, Nag A, Mapel DW, Lee TA, Rosiello R, Vekeman F, Gauthier-Loiselle M, Duh MS, Merrigan JF, Schatz M. Ann Am Thorac Soc. 2016 Apr 12. PMID: 27070274

[Implementation of a COPD Screening Questionnaire in an Outpatient HIV Clinic.](#) Lambert AA, Drummond MB, Kisalu A, Moxley J, Keruly J, Moore RD, Wise RA, Kirk GD. COPD. 2016 Apr 20:1-6. PMID: 27096708

[High satisfaction and low decisional conflict with advance care planning among chronically ill patients with advanced chronic obstructive pulmonary disease or heart failure using an online decision aid: A pilot study.](#) Van Scoy LJ, Green MJ, Dimmock AE, Bascom R, Boehmer JP, Hensel JK, Hozella JB, Lehman EB, Schubart JR, Farace E, Stewart RR, Levi BH. Chronic Illn. 2016 Apr 6. PMID: 27055468

Lung Cancer and Malignant Mesothelioma

[Malignant mesothelioma not related to asbestos exposure: Analytical scanning electron microscopic analysis of 83 cases and comparison with 442 asbestos-related cases.](#) Kraynie A, de Ridder G, Sporn T, Pavlisko E, Roggli VL. Ultrastruct Pathol. 2016 Apr 12:1-4. PMID:

27070945

[Carcinoma of the lung in the absence of asbestosis: The value of lung fiber burden analysis.](#) Roggli VL, Sporn TA. Ultrastruct Pathol. 2016 Apr 4:1-3. PMID: 27043967

Population studies

[Influence of Lung Function and Sleep-Disordered Breathing on All-Cause Mortality: A Community Based Study.](#) Putcha N, Crainiceanu C, Norato G, Samet J, Quan S, Gottlieb DJ, Redline S, Punjabi NM. Am J Respir Crit Care Med. 2016 Apr 22. PMID: 27105053

[Clinical Features and Associated Likelihood of Primary Ciliary Dyskinesia in Children and Adolescents.](#) Leigh MW, Ferkol TW, Davis SD, Lee HS, Rosenfeld M, Dell SD, Sagel SD, Milla C, Olivier KN, Sullivan KM, Zariwala MA, Pittman J, Shapiro AJ, Carson JL, Krischer J, Hazucha MJ, Knowles MR. Ann Am Thorac Soc. 2016 Apr 12. PMID: 27070726

Environmental Exposures

[Critical Review of Health Impacts of Wildfire Smoke Exposure.](#) Reid CE, Brauer M, Johnston F, Jerrett M, Balmes JR, Elliott CT. Environ Health Perspect. 2016 Apr 15. PMID: 27082891

[Triggering of ST-elevation myocardial infarction by ambient wood smoke and other particulate and gaseous pollutants.](#) Evans KA, Hopke PK, Utell MJ, Kane C, Thurston SW, Ling FS, Chalupa D, Rich DQ. J Expo Sci Environ Epidemiol. 2016 Apr 13. doi: 10.1038/jes.2016.15. PMID: 27072425

Occupational Exposures

[Beryllium-induced lung disease exhibits expression profiles similar to sarcoidosis.](#) Li L, Silveira LJ, Hamzeh N, Gillespie M, Mroz PM, Mayer AS, Fingerlin TE, Maier LA. Eur Respir J. 2016 Apr 21. PMID: 27103383

[COPD and occupation: resetting the agenda.](#) Blanc PD, Torén K. Occup Environ Med. 2016 Apr 15. PMID: 27084077

[Small Airways Dysfunction and Abnormal Exercise Responses: A Study in Coal Miners.](#) Petsonk EL, Stansbury RC, Beeckman-Wagner LA, Long JL, Wang ML. Ann Am Thorac Soc. 2016 Apr 13. PMID: 27073987

[Environmental and occupational particulate matter exposures](#)

[and ectopic heart beats in welders.](#) Cavallari JM, Fang SC, Eisen EA, Mittleman MA, Christiani DC. *Occup Environ Med.* 2016 Apr 6. PMID: 27052768

Agriculture

[A principal factor analysis to characterize agricultural exposures among Nebraska veterans.](#) Weissenburger-Moser L, Meza J, Yu F, Shiyabola O, Romberger DJ, LeVan TD. *J Expo Sci Environ Epidemiol.* 2016 Apr 6. PMID: 27049536

[United Airways Disease Among Crop Farmers.](#) Akpinar-Elci M, Pasquale DK, Abrokwah M, Nguyen M, Elci OC. *J Agromedicine.* 2016 Apr 18. PMID: 27088572

Mechanisms

[Repeated Mouse Lung Exposures to *Stachybotrys chartarum* Shift Immune Response From Type 1 to Type 2.](#) Rosenblum Lichtenstein JH, Molina RM, Donaghey TC, Hsu YH, Mathews JA, Kasahara DI, Park JA, Bordini A, Godleski JJ, Gillis BS, Brain JD. *Am J Respir Cell Mol Biol.* 2016 May 5. PMID: 27148627

[Effects of mannose-binding lectin on pulmonary gene expression and innate immune inflammatory response to ozone.](#) Ciencewicky JM, Verhein KC, Gerrish KE, McCaw ZR, Li J, Bushel PR, Kleeberger SR. *Am J Physiol Lung Cell Mol Physiol.* 2016 Apr 22. PMID: 27106289

[Ablation of Glutaredoxin-1 Modulates House Dust Mite-induced Allergic Airways Disease in Mice.](#) Hoffman SM, Qian X, Nolin JD, Chapman DG, Chia SB, Lahue KG, Schneider R, Ather JL, Randall MJ, McMillan DH, Jones JT, Taatjes DJ, Aliyeva M, Daphtary N, Abdalla S, Lundblad LK, Ho YS, Anathy V, Irvin CG, Wouters EF, Reynaert NL, Dixon AE, van der Vliet A, Poynter ME, Janssen-Heininger YM. *Am J Respir Cell Mol Biol.* 2016 Apr 1. PMID: 27035878

Screens, Diagnostics, and Drug Development

[The Influence of Diisocyanate Antigen Preparation Methodology on Monoclonal and Serum Antibody Recognition.](#) Hagerman LM, Law BF, Bledsoe TA, Hettick JM, Kashon ML, Lemons AR, Wisniewski AV, Siegel PD. *J Occup Environ Hyg.* 2016 Apr 28:0. PMID: 27124286

[Imaging Phenotype of Occupational Endotoxin-Related Lung Function Decline.](#) Lai PS, Hang JQ, Zhang FY, Sun J, Zheng BY, Su L, Washko GR, Christiani DC. *Environ Health Perspect.* 2016 May 3. PMID: 27138294

[Reference Equations for Spirometry in the Canadian Population.](#) Coates AL, Wong SL, Tremblay C, Hankinson JL. *Ann Am Thorac Soc.*

2016 Apr 18. PMID: 27088538

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.



Send us your interesting cases

The web committee is currently soliciting interesting pulmonary cases with an EOPH focus for additional [Quick Hits](#). These cases will be posted on the website and highlighted in this newsletter. They will be peer reviewed prior to acceptance, so this is a good opportunity for your trainees. kbailey@unmc.edu or craig.glazer@utsouthwestern.edu.