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Assembly on Environmental Occupational and Population Health (EOPH) Newsletter

EOPH

Web Editorial

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Dear EOPH members,

We hope you all are staying cool this summer! In this July issue of the EOPH newsletter, we share some of our members' recent "epub ahead of print" articles and accomplishments. Also the video commemorating the 100-year anniversary of AJRCCM is still posted for those of you that have not had a chance to view it. We hope you will enjoy these features!

Please let us know about your recent publications, awards, and achievements. Also, we would appreciate suggestions or feedback 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' exciting research that became available as "epubs ahead of print" in June. It is possible that our search may miss your best work, so please send your recent publications to:

kbailey@unmc.edu.

Occupational Exposures and Health

[Application of linear mixed-effects model with LASSO to identify metal components associated with cardiac autonomic responses among welders: a repeated measures study.](#)

Zhang J, Cavallari JM, Fang SC, Weisskopf MG, Lin X, Mittleman MA, Christiani DC.

Occup Environ Med. 2017 Jun 29. pii: oemed-2016-104067. doi: 10.1136/oemed-2016-104067. [Epub ahead of print]

PMID:28663305

[The Effects of Bit Wear on Respirable Silica Dust, Noise and Productivity: A Hammer Drill Bench Study.](#)

Carty P, Cooper MR, Barr A, Neitzel RL, Balmes J, Rempel D.

Ann Work Expo Health. 2017 Jun 8. doi: 10.1093/annweh/wxx041. [Epub ahead of print]

PMID:28595322

Environmental Exposures

[Assessment of an irritant gas plume model for epidemiologic study.](#)

Jani DD, Wilson M, Wickliffe JK, Shaffer J, Middleton T, Rando R, Svendsen ER.

Int J Environ Health Res. 2017 Jun 29;1-17. doi: 10.1080/09603123.2017.1342226. [Epub ahead of print]

PMID:28661191

[Temporal variation of fine and coarse particulate matter sources in Jeddah, Saudi Arabia.](#)

Lim CC, Thurston GD, Shamy M, Alghamdi M, Khoder M, Mohorjy AM, Alkhalaf AK, Brocato J, Chen LC, Costa M.

J Air Waste Manag Assoc. 2017 Jun 21. doi: 10.1080/10962247.2017.1344158. [Epub ahead of print]

PMID:28635552

[Reaction products of hexamethylene diisocyanate vapors with "self" molecules in the airways of rabbits exposed via tracheostomy.](#)

Wisniewski AV, Kanyo J, Asher J, Goodrich JA, Barnett G, Patrylak L, Liu J, Redlich CA, Nassar AF.

Xenobiotica. 2017 Jun 1;1-10. doi: 10.1080/00498254.2017.1329569. [Epub ahead of print]

PMID:28489470

[Environmental Effects of Intensive Livestock Farming.](#)

Sigsgaard T, Balmes J.

Am J Respir Crit Care Med. 2017 Jun 19. doi: 10.1164/rccm.201706-1075ED. [Epub ahead of print] No abstract available.

PMID:28628377

Asthma

[A Multi-omics Approach to Identify Genes Associated with Childhood Asthma Risk and Morbidity.](#)

Forno E, Wang T, Yan Q, Brehm J, Acosta-Perez E, Colon-Semidey A, Alvarez M, Boutaoui N, Cloutier MM, Alcorn JF, Canino G, Chen W, Celedón JC.
Am J Respir Cell Mol Biol. 2017 Jun 2. doi: 10.1165/rcmb.2017-0002OC. [Epub ahead of print]

PMID:28574721

[The School Inner-City Asthma Intervention Study: Design, rationale, methods, and lessons learned.](#)

Phipatanakul W, Koutrakis P, Coull BA, Kang CM, Wolfson JM, Ferguson ST, Petty CR, Samnaliev M, Cunningham A, Sheehan WJ, Gaffin JM, Baxi SN, Lai PS, Permaul P, Liang L, Thorne PS, Adamkiewicz G, Brennan KJ, Baccarelli AA, Gold DR.
Contemp Clin Trials. 2017 Jun 12;60:14-23. doi: 10.1016/j.cct.2017.06.008. [Epub ahead of print]

PMID:28619649

[Prenatal Nitrate Exposure and Childhood Asthma: Influence of Maternal Prenatal Stress and Fetal Sex.](#)

Bose S, Chiu YM, Hsu HL, Di Q, Rosa MJ, Lee A, Kloog I, Wilson A, Schwartz J, Wright RO, Cohen S, Coull BA, Wright RJ.
Am J Respir Crit Care Med. 2017 Jun 29. doi: 10.1164/rccm.201702-0421OC. [Epub ahead of print]

PMID:28661182

[The School Inner-City Asthma Intervention Study: Design, rationale, methods, and lessons learned.](#)

Phipatanakul W, Koutrakis P, Coull BA, Kang CM, Wolfson JM, Ferguson ST, Petty CR, Samnaliev M, Cunningham A, Sheehan WJ, Gaffin JM, Baxi SN, Lai PS, Permaul P, Liang L, Thorne PS, Adamkiewicz G, Brennan KJ, Baccarelli AA, Gold DR.
Contemp Clin Trials. 2017 Jun 12;60:14-23. doi: 10.1016/j.cct.2017.06.008. [Epub ahead of print]

PMID:28619649

[Effects of Omalizumab on Rhinovirus Infections, Illnesses and Exacerbations of Asthma.](#)

Esquivel A, Busse WW, Calatroni A, Togias AG, Grindle KG, Bochkov YA, Gruchalla RS, Kattan M, Kerckmar CM, Khurana Hershey G, Kim H, Lebeau P, Liu AH, Szeffler SJ, Teach SJ, West JB, Wildfire J, Pongracic JA, Gern JE.
Am J Respir Crit Care Med. 2017 Jun 13. doi: 10.1164/rccm.201701-0120OC. [Epub ahead of print]

PMID:28608756

Population Health

[Obstructive Sleep Apnea and Subclinical Interstitial Lung Disease in MESA.](#)

Kim JS, Podolanczuk AJ, Borker P, Kawut SM, Raghu G, Kaufman JD, Hinckley Stukovsky KD, Hoffman EA, Barr RG, Gottlieb DJ, Redline SS, Lederer DJ.
Ann Am Thorac Soc. 2017 Jun 14. doi: 10.1513/AnnalsATS.201701-091OC. [Epub ahead of print]

PMID:28613935

[Do COPD subtypes really exist? COPD heterogeneity and clustering in 10 independent cohorts.](#)

Castaldi PJ, Benet M, Petersen H, Rafaels N, Finigan J, Paoletti M, Marike Boezen H, Vonk JM, Bowler R, Pistolesi M, Puhan MA, Anto J, Wauters E, Lambrechts D, Janssens W, Bigazzi F, Camiciottoli G, Cho MH, Hersh CP, Barnes K, Rennard S, Boorgula MP, Dy J, Hansel NN, Crapo JD, Tesfaigzi Y, Agusti A, Silverman EK, Garcia-Aymerich J. Thorax. 2017 Jun 21. pii: thoraxjnl-2016-209846. doi: 10.1136/thoraxjnl-2016-209846. [Epub ahead of print]

PMID:28637835

[HIV Stigma and Substance Use Among HIV-Positive Russians with Risky Drinking.](#)

Edelman EJ, Lunze K, Cheng DM, Lioznov DA, Quinn E, Gnatienko N, Briden C, Chaisson CE, Walley AY, Krupitsky EM, Raj A, Samet JH.

AIDS Behav. 2017 Jun 20. doi: 10.1007/s10461-017-1832-4. [Epub ahead of print]

PMID:28634662

Diagnostics, Clinical Assessments, and Interventions

[Derivation and Validation of a Prognostic Model to Predict Six-Month Mortality in an Intensive Care Unit Population.](#)

Hadique S, Culp S, Sangani RG, Chapman KD, Khan S, Parker JE, Moss AH.

Ann Am Thorac Soc. 2017 Jun 9. doi: 10.1513/AnnalsATS.201702-159OC. [Epub ahead of print]

PMID:28598196

[Frequency of exacerbations in patients with chronic obstructive pulmonary disease: an analysis of the SPIROMICS cohort.](#)

Han MK, Quibrera PM, Carretta EE, Barr RG, Bleecker ER, Bowler RP, Cooper CB, Comellas A, Couper DJ, Curtis JL, Criner G, Dransfield MT, Hansel NN, Hoffman EA, Kanner RE, Krishnan JA, Martinez CH, Pirozzi CB, O'Neal WK, Rennard S, Tashkin DP, Wedzicha JA, Woodruff P, Paine R 3rd, Martinez FJ; SPIROMICS investigators.

Lancet Respir Med. 2017 Jun 28. pii: S2213-2600(17)30207-2. doi: 10.1016/S2213-2600(17)30207-2. [Epub ahead of print]

PMID:28668356

[Obstructive Sleep Apnea and Subclinical Interstitial Lung Disease in MESA.](#)

Kim JS, Podolanczuk AJ, Borker P, Kawut SM, Raghu G, Kaufman JD, Hinckley Stukovsky KD, Hoffman EA, Barr RG, Gottlieb DJ, Redline SS, Lederer DJ.

Ann Am Thorac Soc. 2017 Jun 14. doi: 10.1513/AnnalsATS.201701-091OC. [Epub ahead of print]

PMID:28613935

[Aerodynamic Patterns in Patients With Voice Disorders: A Retrospective Study.](#)

Gilman M, Petty B, Maira C, Pethan M, Wang L, Hapner ER, Johns MM 3rd.

J Voice. 2017 Jun 5. pii: S0892-1997(16)30339-3. doi: 10.1016/j.jvoice.2016.11.001. [Epub ahead of print]

PMID:28596100

[The Role of Chest Computed Tomography in the Evaluation and Management of the Patient with COPD.](#)

Labaki WW, Martinez CH, Martinez FJ, Galbán CJ, Ross BD, Washko GR, Barr RG, Regan EA, Coxson HO, Hoffman EA, Newell JD Jr, Curran-Everett D, Hogg JC, Crapo JD, Lynch DA, Kazerooni EA, Han MK.

Am J Respir Crit Care Med. 2017 Jun 29. doi: 10.1164/rccm.201703-0451PP. [Epub ahead of print]

PMID:28661698

Biomarkers

[Ceftriaxone reduces L-dopa-induced dyskinesia severity in 6-hydroxydopamine parkinson's disease model.](#)

Chotibut T, Meadows S, Kasanga EA, McInnis T, Cantu MA, Bishop C, Salvatore MF. Mov Disord. 2017 Jun 20. doi: 10.1002/mds.27077. [Epub ahead of print]

PMID:28631864

[Deep Proteome Profiling Reveals Common Prevalence of MZB1-positive Plasma B Cells in Human Lung and Skin Fibrosis.](#)

Schiller HB, Mayr CH, Leuschner G, Strunz M, Staab-Weijnitz C, Preisendörfer S, Eckes B, Moinzadeh P, Krieg T, Schwartz DA, Hatz RA, Behr J, Mann M, Eickelberg O. Am J Respir Crit Care Med. 2017 Jun 27. doi: 10.1164/rccm.201611-2263OC. [Epub ahead of print]

PMID:28654764

Public Health, Health Policy, and Healthcare Outcomes

[An Entrustable Professional Activity \(EPA\)-Based Framework to Prepare Fourth-Year Medical Students for Internal Medicine Careers.](#)

Elnicki DM, Aiyer MK, Cannarozzi ML, Carbo A, Chelminski PR, Chheda SG, Chudgar SM, Harrell HE, Hood LC, Horn M, Johl K, Kane GC, McNeill DB, Muntz MD, Pereira AG, Stewart E, Tarantino H, Vu TR.

J Gen Intern Med. 2017 Jun 20. doi: 10.1007/s11606-017-4089-8. [Epub ahead of print]

PMID:28634908

[Comments on: Brody et al., 2017 "Diversity dynamics: Issues and strategies to create positive organizations: The experience of male Robert Wood Johnson Foundation Nurse Faculty Scholars".](#)

Voss JG, Eldeirawi K.

Nurs Outlook. 2017 Jun 15. pii: S0029-6554(17)30296-8. doi: 10.1016/j.outlook.2017.06.005. [Epub ahead of print] No abstract available.

PMID:28689767

Techniques and Methodology

[Using advanced mass spectrometry techniques to fully characterize atmospheric organic carbon: current capabilities and remaining gaps.](#)

Isaacman-VanWertz G, Massoli P, O'Brien RE, Nowak JB, Canagaratna MR, Jayne JT, Worsnop DR, Su L, Knopf DA, Misztal PK, Arata C, Goldstein AH, Kroll JH.

Faraday Discuss. 2017 Jun 2. doi: 10.1039/c7fd00021a. [Epub ahead of print]

PMID:28574567

[Investigation of the Rosenbaum Concussion Knowledge and Attitudes Survey in Collegiate Athletes.](#)

Chapman EB, Nasypany A, May J, Henry T, Hummel C, Jun HP.

Clin J Sport Med. 2017 Jun 14. doi: 10.1097/JSM.0000000000000421. [Epub ahead of print]

PMID:28644159

[Utility of Lung Clearance Index Testing as a Noninvasive Marker of Deployment-related Lung Disease.](#)

Kreff SD, Strand M, Smith J, Stroup C, Meehan R, Rose C.

J Occup Environ Med. 2017 Jun 29. doi: 10.1097/JOM.0000000000001058. [Epub ahead of print]

PMID:28665837

One Hundred Years of AJRCCM

This is the 100-year anniversary of the American Journal of Respiratory and Critical Care Medicine. To find out more about the history of the Blue Journal, check out the ATS video with the AJRCCM Editor-in-Chief Jadwiga Wedzicha, MD at <https://www.youtube.com/watch?v=3XN3nLrQec&feature=youtu.be>.

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.

EOPH and Social Media

Remember to follow us on 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/>).