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Assembly on Environmental, Occupational, and Population Health Newsletter

EOPH

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Dear EOPH members,

We hope you are having an enjoyable summer! In this August issue of the EOPH newsletter, we share some of our members' recent "epub ahead of print" articles, and a link to a recent ATS Webinar co-sponsored by the All and EOPH assemblies. Please let us know about your recent publications, awards, and achievements. Also, we would appreciate suggestions or feedback for future issues at tara.nordgren@medsch.ucr.edu.

Sincerely,

Your Web Editorial Committee Director and co-Chair,

Tara Nordgren and Anna Nolan



Recent publications

This section highlights some of our assembly members' exciting research that was recently 'e-published.' It is possible that our search may miss your best work, so please send your recent publications to tara.nordgren@medsch.ucr.edu.

Air Quality, Pollution, and Environmental Exposures

[Effect of Ambient Fine Particulate Matter Air Pollution and Colder Outdoor Temperatures on High-Density Lipoprotein Function.](#) Mathew AV, Yu J, Guo Y, Byun J, Chen YE, Wang L, Liu M, Bard RL, Morishita M, Huang W, Li J, Harkema JR, Rajagopalan S, Pennathur S, Brook RD. Am J Cardiol. 2018 Jul 10. PMID:30005891

[Schwertmannite transformation via direct or indirect electron transfer by a sulfate reducing enrichment culture.](#) Zeng Y, Wang H, Guo C, Wan J, Fan C, Reinfelder JR, Lu G, Wu F, Huang W, Dang Z. Environ Pollut. 2018 Jul 12;242(Pt A):738-748. PMID:30031307

[Iron-processing genotypes, nutrient intakes, and cadmium levels in the Normative Aging Study: Evidence of sensitive subpopulations in cadmium risk assessment.](#) Ciesielski TH, Schwartz J, Bellinger DC, Hauser R, Amarasiriwardena C, Sparrow D, Wright RO. Environ Int. 2018 Jul 26;119:527-535. PMID:30059941

[Positive association between moderate altitude and chronic lower respiratory disease mortality in United States counties.](#) Hwang J, Jang M, Kim N, Choi S, Oh YM, Seo JB. PLoS One. 2018 Jul 11;13(7):e0200557. PMID:29995931

Occupational Health and Exposures

[Retrospective Assessment of Respirable Quartz Exposure for a Silicosis Study of the Industrial Sand Industry.](#) Rando RJ, Vacek PM, Glenn RE, Kwon CW, Parker JE. Ann Work Expo Health. 2018 Jul 17. PMID:30016388

[Self-management behaviors in World Trade Center rescue and recovery workers with asthma.](#) Rojano B, West E, Goodman E, Weiss JJ, de la Hoz RE, Crane M, Crowley L, Harrison D, Markowitz S, Wisnivesky JP. J Asthma. 2018 Jul 9:1-11. PMID:29985718

[Assessing the influence of working hours on general health by migrant status and family structure: the case of Ecuadorian-, Colombian-, and Spanish-born workers in Spain.](#) Cayuela A, Martínez JM, Ronda E, Delclos GL, Conway S. Public Health. 2018 Jul 26;163:27-34. PMID:30056256

Asthma and Allergic Diseases

[Expression of Corticosteroid Regulated Genes By Peripheral Blood Mononuclear Cells in Children with Asthma.](#) Goleva E, Babineau DC, Gill MA, Jackson LP, Shao B, Hu Z, Liu AH, Visness CM, Sorkness CA, Leung DYM, Togias A, Busse WW. J Allergy Clin Immunol. 2018 Jul 27. PMID:30059697

[Building Bridges for Asthma Care: Reducing School Absence for Inner City Children with Health Disparities.](#) Szeffler SJ, Cloutier MM, Villarreal M, Hollenbach JP, Gleason M, Haas-Howard C, Vinick C, Calatroni A, Cicutto L, White M, Williams S, McGinn M, Langton C, Shocks D, Mitchell H, Stempel DA. J Allergy Clin Immunol. 2018 Jul 25. PMID:30055181

[Recurrent Wheeze Phenotypes in Poor Urban Preschool-age Children.](#) Reddy MB, Liu AH, Robinson JL, Klinnert MD. J Allergy Clin Immunol Pract. 2018 Jul 24. PMID:30053592

[Expression network analysis reveals cord blood vitamin D-associated genes affecting risk of early life wheeze.](#) Mirzakhani H, Al-Garawi AA, Carey VJ, Qiu W, Litonjua AA, Weiss ST. Thorax. 2018 Jul 18. pii: thoraxjnl-2018-211962. PMID:30021811

[Urinary polycyclic aromatic hydrocarbons and allergic sensitization in a nationwide study of children and adults](#)

[in the U.S.](#) Rosser F, Han YY, Forno E, Celedón JC. J Allergy Clin Immunol. 2018 Jul 20. pii: S0091-6749(18)31035-2. PMID:30036599

[Validation of Fitness Tracker for Sleep Measures in Women with Asthma.](#) Castner J, Mammen MJ, Jungquist C, Licata O, Pender JJ, Wilding GE, Sethi S. J Asthma. 2018 Jul 4:1-31. PMID:29972657

ARDS

[MUC5B Promoter Polymorphism and Development of ARDS.](#) Rogers AJ, Solus JF, Hunninghake GM, Baron RM, Meyer NJ, Janz DR, **Schwartz DA**, May AK, Lawson WE, Blackwell TS, Ware LB. Am J Respir Crit Care Med. 2018 Jul 19. PMID:30025215

Climate Change

[It's Time for Medical Schools to Introduce Climate Change into Their Curricula.](#) Wellbery C, Sheffield P, Timmireddy K, **Sarfaty M**, Teherani A, Fallar R. Acad Med. 2018 Jul 17. PMID:30024475

Cardiovascular Disease

[SHIP-AHOY \(Study of High Blood Pressure in Pediatrics: Adult Hypertension Onset in Youth\): Rationale, Design, and Methods.](#) Mendizábal B, Urbina EM, Becker R, Daniels SR, Falkner BE, Hamdani G, Hanevold CD, Hooper SR, Ingelfinger JR, Lande M, Martin LJ, Meyers K, Mitsnefes M, Rosner B, Samuels JA, Flynn JT. Hypertension. 2018 Jul 9. PMID:29987102

Cancer

[Updating the role of FDG PET/CT for evaluation of lung cancer manifesting in nonsolid nodules.](#) Liu Y, Yankelevitz DF, Kostakoglu L, Beasley MB, Htwe Y, Salvatore MM, Yip R, Henschke CI. Clin Imaging. 2018 Jul 6;52:157-162. PMID:30096553

[Mendelian Randomization and mediation analysis of leukocyte telomere length and risk of lung and head and neck cancers.](#) Kachuri L, Saarela O, Bojesen SE, Davey Smith G, Liu G, Landi MT, Caporaso NE, Christiani DC, Johansson M, Panico S, Overvad K, Trichopoulou A, Vineis P, Scelo G, Zaridze D, Wu X, Albanes D, Diergaarde B, Laggiou P, Macfarlane GJ, Aldrich MC, Tardón A, Rennert G, Olshan AF, Weissler MC, Chen C, Goodman GE, Doherty JA, Ness AR, Bickeböller H, Wichmann HE, Risch A, Field JK, Teare MD, Kiemenev LA, van der Heijden EHF, Carroll JC, Haugen A, Zienolddiny S, Skaug V, Wünsch-Filho V, Tajara EH, Ayoub Moysés R, Daumas Nunes F, Lam S, Eluf-Neto J, Lacko M, Peters WHM, Le Marchand L, Duell EJ, Andrew AS, Franceschi S, Schabath MB, Manjer J, Arnold S, Lazarus P, Mukeriya A, Swiatkowska B, Janout V, Holcatova I, Stojšić J, Mates D, Lissowska J, Boccia S, Lesseur C, Zong X, McKay JD, Brennan P, Amos CI, Hung RJ. Int J Epidemiol. 2018 Jul 28. PMID:30059977

[Re: 'Application of the key characteristics of carcinogens in cancer hazard evaluation': response to Goodman, Lynch and Rhomberg.](#) Guyton KZ, Rusyn I, Chiu WA, Corpet DE, van den Berg M, Ross MK, Christiani DC, Beland FA, Smith MT. Carcinogenesis. 2018 Jul 3. PMID:29982359

[Epigenetically regulated PAX6 drives cancer cells toward a stem-like state via GLI-SOX2 signaling axis in lung adenocarcinoma.](#) Ooki A, Dinalankara W, Marchionni L, Tsay JJ, Goparaju C, Maleki Z, Rom WN, Pass HI, Hoque MO. Oncogene. 2018 Jul 6. PMID:29980786

[Rotating Night Shift work and Colorectal Cancer Risk in the Nurses' Health Studies.](#) Papantoniou K, Devore EE, Massa J, Strohmaier S, Vetter C, Yang L, Shi Y, Giovannucci E, Speizer F, Schernhammer ES. Int J Cancer. 2018 Jul 6. PMID:29978466

[Genetic variant of IRAK2 in the toll-like receptor signaling pathway and survival of non-small cell lung cancer.](#) Xu Y, Liu H, Liu S, Wang Y, Xie J, Stinchcombe TE, Su L, Zhang R, Christiani DC, Wei L, Wei Q. Int J Cancer. 2018 Jul 6. PMID:29978465

[Genetic modifiers of radon-induced lung cancer risk: a genome-wide interaction study in former uranium miners.](#) Rosenberger A, Hung RJ, Christiani DC, Caporaso NE, Liu G, Bojesen SE, Le Marchand L, Haiman CA, Albanes D, Aldrich MC, Tardon A, Fernández-Tardón G, Rennert G, Field JK, Kiemeny B, Lazarus P, Haugen A, Zienolddiny S, Lam S, Schabath MB, Andrew AS, Brunnsstöm H, Goodman GE, Doherty JA, Chen C, Teare MD, Wichmann HE, Manz J, Risch A, Muley TR, Johansson M, Brennan P, Landi MT, Amos CI, Pesch B, Johnen G, Brüning T, Bickeböller H, Gomolka M. *Int Arch Occup Environ Health.* 2018 Jul 3. PMID:29971594

Chronic Obstructive Pulmonary Disease (COPD)

[Whole exome sequencing analysis in severe chronic obstructive pulmonary disease.](#) Qiao D, Ameli A, Prokopenko D, Chen H, Kho AT, Parker MM, Morrow J, Hobbs BD, Liu Y, Beaty TH, Crapo JD, Barnes KC, Nickerson DA, Bamshad M, Hersh CP, Lomas DA, Agusti A, Make BJ, Calverley PMA, Donner CF, Wouters EF, Vestbo J, Paré PD, Levy RD, Rennard SI, Tal-Singer R, Spitz MR, Sharma A, Ruczinski I, Lange C, Silverman EK, Cho MH; NHLBI Exome Sequencing Project, University of Washington Center for Mendelian Genomics, Lung GO, COPD Gene Investigators. *Hum Mol Genet.* 2018 Jul 27. PMID:30060175

Bronchopulmonary Dysplasia

[Exhaled breath condensate nitrite in premature infants with bronchopulmonary dysplasia.](#) Yen E, Weinberger BI, Laumbach RJ, Ohman-Strickland PA, Vetrano AM, Gow AM, Ramagopal M. *J Neonatal Perinatal Med.* 2018 Jul 19. PMID:30040745

Prognostics, Diagnostics, Testing, Methodology

[Noninvasive Immunohistochemical Diagnosis and Novel MUC1 Mutations Causing Autosomal Dominant Tubulointerstitial Kidney Disease.](#) Živná M, Kidd K, Přistoupilová A, Barešová V, DeFelice M, Blumenstiel B, Harden M, Conlon P, Lavin P, Connaughton DM, Hartmannová H, Hodaňová K, Stránecký V, Vrbacká A, Vyleťal P, Živný J, Votruba M, Sovová J, Hůlková H, Robins V, Perry R, Wenzel A, Beck BB, Seeman T, Viklický O, Rajnochová-Bloudíčková S, Papagregoriou G, Deltas CC, Alper SL, Greka A, Bleyer AJ, Kmoch S. *J Am Soc Nephrol.* 2018 Jul 2. pii: ASN.2018020180. PMID:29967284

HIV

["It's Like Birth Control for HIV": Communication and Stigma for Gay Men on PrEP.](#) Grimm J, Schwartz J. *J Homosex.* 2018 Jul 27:1-19. PMID:30052498

Mechanisms

[Recirculating Immunocompetent Cells in Colitic Mice Intensify Their Lung Response to Bacterial Endotoxin.](#) Metwali A, Thorne PS, Ince MN, Metwali N, Winckler S, Guan X, Beyatli S, Truscott J, Urban JF Jr, Elliott DE. *Dig Dis Sci.* 2018 Jul 11. PMID:30022451

Microbiome

[Severe Obstructive Sleep Apnea is Associated with Alterations in the Nasal Microbiome and Increase in Inflammation.](#) Wu BG, Sulaiman I, Wang J, Shen N, Clemente JC, Li Y, Laumbach RJ, Lu SE, Udasin I, Le-Hoang O, Perez A, Alimokhtari S, Black K, Plietz M, Twumasi A, Sanders H, Malecha P, Kapoor B, Scaglione BD, Wang A, Blazoski C, Weiden MD, Rapoport DM, Harrison D, Chitkara N, Vicente E, Marin JM, Sunderram J, Ayappa I, Segal LN. *Am J Respir Crit Care Med.* 2018 Jul 3. PMID:29969291

[Association Between Intestinal Microbiota Collected at Hospital Admission and Outcomes of Patients with Cirrhosis.](#) Bajaj JS, Vargas HE, Reddy KR, Lai JC, O'leary JG, Tandon P, Wong F, Mitrani R, White MB, Kelly

M, Fagan A, Patil R, Sait S, Sikaroodi M, Thacker LR, Gillevet PM. Clin Gastroenterol Hepatol. 2018 Jul 20. pii: S1542-3565(18)30747-X. PMID:30036646

Voice Disorders

[Airflow Patterns of Running Speech in Patients with Voice Disorders.](#) Gilman M, Maira C, Hapner ER. J Voice. 2018 Jul 26. PMID:30057271

ATS Webinar Journal Club

We hope you had an opportunity to participate in the recent ATS Webinar Journal Club featuring the article, “Once –daily Single-inhaler Triple Versus Dual Therapy in Patients with COPD.” The Webinar was co-sponsored by the All and EOPH assemblies. If you were unable to participate live, there is still an opportunity to watch webinar, available [HERE](#).

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 tara.nordgren@medsch.ucr.edu.

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: tara.nordgren@medsch.ucr.edu.