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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 July issue of the EOPH newsletter, we share some of our members' recent "epub ahead of print" articles. 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

[Air pollution health research priorities for India: Perspectives of the Indo-U.S. Communities of Researchers.](#)

Gordon T, Balakrishnan K, Dey S, Rajagopalan S, Thornburg J, Thurston G, Agrawal A, Collman G, Guleria R, Limaye S, Salvi S, Kilaru V, Nadadur S.

Environ Int. 2018 Jun 23;119:100-108. doi: 10.1016/j.envint.2018.06.013. [Epub ahead of print] Review. No abstract available.

PMID:29944987

[Measuring EMPs in the lung what can be measured in the lung: Asbestiform minerals and cleavage fragments.](#)

Roggli VL.

Toxicol Appl Pharmacol. 2018 Jun 27. pii: S0041-008X(18)30293-X. doi: 10.1016/j.taap.2018.06.026. [Epub ahead of print]

PMID:29959999

[Refractory ceramic fibers: Fiber characteristics, potential health effects and clinical observations.](#)

Utell MJ, Maxim LD.

Toxicol Appl Pharmacol. 2018 Jun 13. pii: S0041-008X(18)30269-2. doi: 10.1016/j.taap.2018.06.011. [Epub ahead of print]

PMID:29908246

Occupational Health and Exposures

[Exposures to Volatile Organic Compounds among Healthcare Workers: Modeling the Effects of Cleaning Tasks and Product Use.](#)

Su FC, Friesen MC, Stefaniak AB, Henneberger PK, LeBouf RF, Stanton ML, Liang X, Humann M, Virji MA.

Ann Work Expo Health. 2018 Jun 21. doi: 10.1093/annweh/wxy055. [Epub ahead of print]

PMID:29931140

[COPD at work: exposures are different than in the past, but still matter.](#)

Heederik D, Mannino DM.

Thorax. 2018 Jun 19. pii: thoraxjnl-2018-211661. doi: 10.1136/thoraxjnl-2018-211661. [Epub ahead of print] No abstract available.

PMID:29921700

[WHO/ILO work-related burden of disease and injury: Protocol for systematic reviews of occupational exposure to dusts and/or fibres and of the effect of occupational exposure to dusts and/or fibres on pneumoconiosis.](#)

Mandrioli D, Schlünssen V, Ádám B, Cohen RA, Colosio C, Chen W, Fischer A, Godderis L, Göen T, Ivanov ID, Leppink N, Mandic-Rajcevic S, Masci F, Nemery B, Pega F, Prüss-Üstün A, Sgargi D, Ujita Y, van der Mierden S, Zungu M, Scheepers PTJ.

Environ Int. 2018 Jun 27;119:174-185. doi: 10.1016/j.envint.2018.06.005. [Epub ahead of print] Review.

PMID:29958118

Asthma and Allergic Diseases

[Patient and provider perspectives on uptake of a shared decision making intervention for asthma in primary care practices.](#)

Welch M, Ludden T, Mottus K, Bray P, Hendrickson L, Rees J, Halladay J, Tapp H.

J Asthma. 2018 Jun 21:1-11. doi: 10.1080/02770903.2018.1471703. [Epub ahead of print]

PMID:29927661

[Secondhand smoke exposure and asthma outcomes among African-American and Latino children with asthma.](#)

Neophytou AM, Oh SS, White MJ, Mak ACY, Hu D, Huntsman S, Eng C, Serebrisky D, Borrell LN, Farber HJ, Meade K, Davis A, Avila PC, Thyne SM, Rodríguez-Cintrón W, Rodríguez-Santana JR, Kumar R, Brigino-Buenaventura E, Sen S, Lenoir MA, Williams LK, Benowitz NL, Balmes JR, Eisen EA, Burchard EG. Thorax. 2018 Jun 13. pii: thoraxjnl-2017-211383. doi: 10.1136/thoraxjnl-2017-211383. [Epub ahead of print]

PMID:29899038

Cancer

[Airway Microbiota Is Associated with Up-Regulation of the PI3K Pathway in Lung Cancer.](#)

Tsay JJ, Wu BG, Badri MH, Clemente JC, Shen N, Meyn P, Li Y, Yie TA, Lhakhang T, Olsen E, Murthy V, Michaud G, Sulaiman I, Tsigos A, Heguy A, Pass H, Weiden MD, Rom WN, Sterman DH, Bonneau R, Blaser MJ, Segal LN.

Am J Respir Crit Care Med. 2018 Jun 4. doi: 10.1164/rccm.201710-2118OC. [Epub ahead of print]

PMID:29864375

[Immunotherapy Resistance by Inflammation-Induced Dedifferentiation.](#)

Mehta A, Kim YJ, Robert L, Tsoi J, Comin-Anduix B, Berent-Maoz B, Cochran AJ, Economou JS, Tumei PC, Puig-Saus C, Ribas A.

Cancer Discov. 2018 Jun 13. doi: 10.1158/2159-8290.CD-17-1178. [Epub ahead of print]

PMID:29899062

[Malignant mesothelioma diagnosed at a younger age is associated with heavier asbestos exposure.](#)

Dragani TA, Colombo F, Pavlisko EN, Roggli VL.

Carcinogenesis. 2018 Jun 30. doi: 10.1093/carcin/bgy089. [Epub ahead of print]

PMID:29982378

Population Studies and Large-scale Analyses

[Harmonization of Respiratory Data From Nine US Population-Based Cohorts: The NHLBI Pooled Cohorts Study.](#)

Oelsner EC, Balte PP, Cassano P, Couper D, Enright PL, Folsom AR, Hankinson J, Jacobs DR Jr, Kalhan R, Kaplan R, Kronmal R, Lange L, Loehr LR, London SJ, Acien AN, Newman AB, O'Connor GT, Schwartz JE, Smith LJ, Yeh F, Zhang Y, Moran AE, Mwasongwe S, White WB, Yende S, Barr RG.

Am J Epidemiol. 2018 Jun 30. doi: 10.1093/aje/kwy139. [Epub ahead of print]

PMID:29982273

Mechanisms and Experimental Methods

[Adipocyte-specific deficiency of Nfe2l1 disrupts plasticity of white adipose tissues and metabolic homeostasis in mice.](#)

Hou Y, Liu Z, Zuo Z, Gao T, Fu J, Wang H, Xu Y, Liu D, Yamamoto M, Zhu B, Zhang Y, Andersen ME, Zhang Q, Pi J.

Biochem Biophys Res Commun. 2018 Jun 25. pii: S0006-291X(18)31325-1. doi: 10.1016/j.bbrc.2018.06.013. [Epub ahead of print]

PMID:29935181

[Pathway-based predictive approaches for non-animal assessment of acute inhalation toxicity.](#)

Clippinger AJ, Allen D, Behrsing H, Bérubé KA, Bolger MB, Casey W, DeLorme M, Gaça M, Gehen SC, Glover K, Hayden P, Hinderliter P, Hotchkiss JA, Iskandar A, Keyser B, Luettich K, Ma-Hock L, Maione AG, Makena P, Melbourne J, Milchak L, Ng SP, Paini A, Page K, Patlewicz G, Prieto P, Raabe H, Reinke EN, Roper C, Rose J, Sharma M, Spoo W, Thorne PS, Wilson DM, Jarabek AM.

Toxicol In Vitro. 2018 Jun 20;52:131-145. doi: 10.1016/j.tiv.2018.06.009. [Epub ahead of print] Review.

PMID:29908304

[The Organophosphorus Pesticide Chlorpyrifos Induces Sex-Specific Airway Hyperreactivity in Adult Rats.](#)

Shaffo FC, Grodzki AC, Schelegle ES, Lein PJ.

Toxicol Sci. 2018 Jun 25. doi: 10.1093/toxsci/kfy158. [Epub ahead of print]

PMID:29939342

Cardiovascular Disease

[Ultrasound carotid plaque features, cardiovascular disease risk factors and events: The Multi-Ethnic Study of Atherosclerosis.](#)

Mitchell C, Korcarz CE, Gepner AD, Kaufman JD, Post W, Tracy R, Gassett AJ, Ma N, McClelland RL, Stein JH.

Atherosclerosis. 2018 Jun 12. pii: S0021-9150(18)30312-5. doi: 10.1016/j.atherosclerosis.2018.06.005. [Epub ahead of print]

PMID:29970256

[Cardiovascular function and ozone exposure: The Multicenter Ozone Study in older Subjects \(MOSES\).](#)

Rich DQ, Balmes JR, Frampton MW, Zareba W, Stark P, Arjomandi M, Hazucha MJ, Costantini MG, Ganz P, Hollenbeck-Pringle D, Dagincourt N, Bromberg PA.

Environ Int. 2018 Jun 29;119:193-202. doi: 10.1016/j.envint.2018.06.014. [Epub ahead of print]

PMID:29980042

Interstitial Lung Disease

[Ongoing clinical trials and treatment options for patients with systemic sclerosis-associated interstitial lung disease.](#)

Khanna D, Tashkin DP, Denton CP, Lubell MW, Vazquez-Mateo C, Wax S.

Rheumatology (Oxford). 2018 Jun 8. doi: 10.1093/rheumatology/key151. [Epub ahead of print]

PMID:29893938

Diet and Lung Health

[Vitamin D insufficiency, T_H2 cytokines, and allergy markers in Puerto Rican children with asthma.](#)

Han YY, Forno E, Boutaoui N, Canino G, Celedón JC.

Ann Allergy Asthma Immunol. 2018 Jun 14. pii: S1081-1206(18)30464-2. doi: 10.1016/j.anai.2018.06.004. [Epub ahead of print] No abstract available.

PMID:29909056

[Exposure to polycyclic aromatic hydrocarbons, vitamin D, and lung function in children with asthma.](#)

Han YY, Rosser F, Forno E, Celedón JC.

Pediatr Pulmonol. 2018 Jun 26. doi: 10.1002/ppul.24084. [Epub ahead of print]

PMID:29943897

Genetics and Functional Genomics

[17q21 variant increases the risk of exacerbations in asthmatic children despite inhaled corticosteroids use.](#)

Farzan N, Vijverberg SJ, Hernandez-Pacheco N, Bel EHD, Berce V, Bønnelykke K, Bisgaard H, Burchard EG, Canino G, Celedón JC, Chew FT, Chiang WC, Cloutier MM, Forno E, Francis B, Hawcutt DB, Herrera-Luis E, Kabesch M, Karimi L, Melén E, Mukhopadhyay S, Merid SK, Palmer CN, Pino-Yanes M, Pirmohamed M, Potočník U, Repnik K, Schieck M, Sevelsted A, Sio YY, Smyth RL, Soares P, Söderhäll C, Tantisira KG, Tavendale R, Tse SM, Turner S, Verhamme KM, Maitland-van der Zee AH.

Allergy. 2018 Jun 9. doi: 10.1111/all.13499. [Epub ahead of print] No abstract available.

PMID:2988528

[An Integrative Transcriptomic and Metabolomic Study of Lung Function in Children With Asthma.](#)

Kelly RS, Chawes BL, Blighe K, Virkud YV, Croteau-Chonka DC, McGeachie MJ, Clish CB, Bullock K, Celedón JC, Weiss ST, Lasky-Su JA.

Chest. 2018 Jun 13. pii: S0012-3692(18)30892-4. doi: 10.1016/j.chest.2018.05.038. [Epub ahead of print]

PMID:29908154

[Whole Genome Sequencing in Severe Chronic Obstructive Pulmonary Disease.](#)

Prokopenko D, Sakornsakolpat P, Loehlein Fier H, Qiao D, Parker MM, McDonald MN, Manichaikul A, Rich SS, Barr RG, Williams CJ, Brantly ML, Lange C, Beaty TH, Crapo JD, Silverman EK, Cho MH; COPDGene Investigators, NHLBI TOPMed Investigators.

Am J Respir Cell Mol Biol. 2018 Jun 27. doi: 10.1165/rcmb.2018-0088OC. [Epub ahead of print]

PMID:29949718

Chronic Obstructive Pulmonary Disease (COPD)

[To Withdraw or Not to Withdraw Inhaled Corticosteroids from Triple Therapy in COPD.](#)

Tashkin DP.

Am J Respir Crit Care Med. 2018 Jun 19. doi: 10.1164/rccm.201805-0979ED. [Epub ahead of print] No abstract available.

PMID:29916719

[Longitudinal Phenotypes and Mortality in Preserved Ratio Impaired Spirometry in the COPDGene Study.](#)

Wan ES, Fortis S, Regan EA, Hokanson J, Han MK, Casaburi R, Make BJ, Crapo JD, DeMeo DL, Silverman EK; COPDGene Investigators .

Am J Respir Crit Care Med. 2018 Jun 6. doi: 10.1164/rccm.201804-0663OC. [Epub ahead of print]

PMID:29874098

[Longitudinal Phenotypes and Mortality in Preserved Ratio Impaired Spirometry in the COPDGene Study.](#)

Wan ES, Fortis S, Regan EA, Hokanson J, Han MK, Casaburi R, Make BJ, Crapo JD, DeMeo DL, Silverman EK; COPDGene Investigators .

Am J Respir Crit Care Med. 2018 Jun 6. doi: 10.1164/rccm.201804-0663OC. [Epub ahead of print]

PMID:29874098

Treatments

[Sustaining outcomes research in residential treatment: A 15-year study of the Gould Farm program.](#)

Heatherington L, Bonner BL, Rosenberg D, Patterson RD, Linsley J.

Psychol Serv. 2018 Jun 14. doi: 10.1037/ser0000253. [Epub ahead of print]

PMID:29902024

Prognostics, Diagnostics, Testing, Methodology

[Utility of Bronchoalveolar Lavage and Transbronchial Biopsy in Patients with Hypersensitivity Pneumonitis.](#)

Adams TN, Newton CA, Batra K, Abu-Hijleh M, Barbera T, Torrealba J, Glazer CS.

Lung. 2018 Jun 29. doi: 10.1007/s00408-018-0139-1. [Epub ahead of print]

PMID:29959521

[Cross sectional imaging of pulmonary fibrosis translating pathology into radiology.](#)

Salvatore M, Smith ML.

Clin Imaging. 2018 Jun 27;51:332-336. doi: 10.1016/j.clinimag.2018.06.013. [Epub ahead of print] Review.

PMID:29960266

[Identification of *Mycobacterium tuberculosis* using volatile biomarkers in culture and exhaled breath.](#)

Mellors TR, Nasir M, Franchina FA, Smolinska A, Blanchet L, Flynn J, Tomko JA, O'Malley MJ, Scanga CA, Lin PL, Wagner J, Hill JE.

J Breath Res. 2018 Jun 18. doi: 10.1088/1752-7163/aacd18. [Epub ahead of print]

PMID:29910196

[Similar articles](#)

Lung Transplantation

[Effect of Acute Exacerbation of Idiopathic Pulmonary Fibrosis on Lung Transplantation Outcome.](#)

Dotan Y, Vaidy A, Shapiro W, Zhao H, Dass C, Toyoda Y, Marchetti N, Shenoy K, Cordova F, Criner GJ, Mamary AJ.

Chest. 2018 Jun 29. pii: S0012-3692(18)30979-6. doi: 10.1016/j.chest.2018.06.027. [Epub ahead of print]

PMID:29966665

HIV

Smoking cessation after engagement in HIV care in rural Uganda.

Mitton JA, North CM, Muyanja D, Okello S, Vořechovská D, Kakuhikire B, Tsai AC, Siedner MJ.

AIDS Care. 2018 Jun 7:1-8. doi: 10.1080/09540121.2018.1484070. [Epub ahead of print]

PMID:29879856

Cigarettes, E-Cigarettes, Smoking Exposures

Harmful Interruptions: Impact of Smoking Patterns on Tumorigenesis and Emphysema.

Pinkerton KE, Poindexter ME.

Am J Respir Cell Mol Biol. 2018 Jun 4. doi: 10.1165/rcmb.2018-0151ED. [Epub ahead of print] No abstract available.

PMID:29864376

Can e-Cigarettes and Pharmaceutical Aids Increase Smoking Cessation and Reduce Cigarette Consumption? Findings from a Nationally Representative Cohort of American Smokers.

Benmarhnia T, Pierce JP, Leas E, White MM, Strong DR, Noble ML, Trinidad DR.

Am J Epidemiol. 2018 Jun 27. doi: 10.1093/aje/kwy129. [Epub ahead of print]

PMID:29955810

Center Development

Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations.

Deretic V, Prossnitz E, Burge M, Campen MJ, Cannon J, Liu KJ, Sklar LA, Allers L, Garcia SA, Baehrecke EH, Behrends C, Cecconi F, Codogno P, Chen GC, Elazar Z, Eskelinen EL, Fourie B, Gozuacik D, Hong W, Hotamisligi G, Jäättelä M, Jo EK, Johansen T, Juhász G, Kimchi A, Ktistakis N, Kroemer G, Mizushima N, Münz C, Reggiori F, Rubinsztein D, Ryan K, Schroder K, Simonsen A, Tooze S, Vaccaro M, Yoshimori T, Yu L, Zhang H, Klionsky DJ.

Autophagy. 2018 Jun 23. doi: 10.1080/15548627.2018.1465784. [Epub ahead of print]

PMID:29938597

Predictors of Health Across a Lifespan

Pre-, Perinatal, and Parental Predictors of Body Mass Index Trajectory Milestones.

Aris IM, Rifas-Shiman SL, Li LJ, Kleinman K, Coull BA, Gold DR, Hivert MF, Kramer MS, Oken E.

J Pediatr. 2018 Jun 27. pii: S0022-3476(18)30754-6. doi: 10.1016/j.jpeds.2018.05.041. [Epub ahead of print]

PMID:29960766

Early life stress, air pollution, inflammation, and disease: An integrative review and immunologic model of social-environmental adversity and lifespan health.

Olvera Alvarez HA, Kubzansky LD, Campen MJ, Slavich GM.

Neurosci Biobehav Rev. 2018 Jun 3;92:226-242. doi: 10.1016/j.neubiorev.2018.06.002. [Epub ahead of print] Review.

PMID:29874545

Age-associated Changes in the Respiratory Epithelial Response to Influenza Infection.

Chason KD, Jaspers I, Parker J, Sellers S, Brighton LE, Hunsucker SA, Armistead PM, Fischer WA2nd.

J Gerontol A Biol Sci Med Sci. 2018 Jun 7. doi: 10.1093/gerona/gly126. [Epub ahead of print]

PMID:29878083

Influence of school environments on childhood obesity in California.

Ortega Hinojosa AM, MacLeod KE, Balmes J, Jerrett M.

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.