

Dear EOPH Members,

Volume 7 | Issue 1
Spring 2023

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We hope everyone is staying safe and healthy.

We have included some resources to help everyone stay informed as to the current status of the pandemic.

Also included in this **Spring 2023** newsletter are some of our members' recent articles.

We would also like to receive your feedback to identify strengths and areas of improvement for the newsletter going forward. **Please participate in a 5-minute survey** regarding your experience with the newsletter, and contribute to a word cloud to be published in the next edition of the newsletter. You can find the survey link at <https://www.surveymonkey.com/r/CVYGJ8G>.

This link will be open until **May 30, 2023**.

If you have a recent publication or other items (available jobs, lectures/seminars) that you would like to share in the upcoming newsletter, please send the title and citation link to sophia.kwon@nyulangone.org and TID Section relevant postings to satya.achanta@duke.edu; Sheiphali.Gandhi@ucsf.edu or Emma House (ehouse.1211@gmail.com).

Best,

EOPH Web Committee

Junior Member Highlight

Please let us know if you have junior members whose work you would like to have highlighted in the next newsletter! Please contact anna.nolan@med.nyu.edu.

In the Press

<https://www.nytimes.com/2023/03/14/opinion/air-pollution-oil-gas-methane.html>



[Opinion | The Government Is This Close to Reining in Some of the Worst Air Pollution - The New York Times - nytimes.com](https://www.nytimes.com/2023/03/14/opinion/air-pollution-oil-gas-methane.html)

Dona Upson Dr. Upson is a pulmonologist with the Veterans Affairs New Mexico Healthcare System ...
www.nytimes.com

Recent Publications

This section highlights some of our assembly members' exciting research that was recently "e-published" or were submitted for inclusion in this newsletter. It is possible that our search may miss your best work, so please send your recent publications to ruchikas@bu.edu.

Asthma and Allergy

[Benchmarking omics-based prediction of asthma development in children.](#)

Wang XW, Wang T, Schaub DP, Chen C, Sun Z, Ke S, Hecker J, Maaser-Hecker A, Zeleznik OA, Zeleznik R, **Litonjua AA**, DeMeo DL, Lasky-Su J, **Silverman EK**, Liu YY, Weiss ST. *Respir Res.* 2023 Feb 26;24(1):63. doi: 10.1186/s12931-023-02368-8. PMID: 36842969 **Free PMC article.**

[Low parental numeracy and severe asthma exacerbations in a prospective study of Puerto Rican youth.](#)

Gutwein A, Han YY, Colón-Semidey A, Alvarez M, Acosta-Pérez E, Forno E, Canino G, Apter A, **Celedón JC**. *Ann Allergy Asthma Immunol.* 2023 Mar 7:S1081-1206(23)00166-7. doi: 10.1016/j.anai.2023.03.004. Online ahead of print. PMID: 36893909

COPD, Chronic Bronchitis

[Discriminative Accuracy of the CAPTURE Tool for Identifying Chronic Obstructive Pulmonary Disease in US Primary Care Settings.](#)

Martinez FJ, Han MK, Lopez C, Murray S, **Mannino D**, Anderson S, Brown R, Dolor R, Elder N, Joo M, Khan I, Knox LM, Meldrum C, Peters E, Spino C, **Tapp H**, Thomashow B, Zittleman L, Make B, Yawn BP; CAPTURE Study Group. *JAMA*. 2023 Feb 14;329(6):490-501. doi: 10.1001/jama.2023.0128.PMID: 36786790

[Fractional Dynamics Foster Deep Learning of COPD Stage Prediction.](#)

Yin C, Udrescu M, Gupta G, Cheng M, Lihu A, Udrescu L, Bogdan P, **Mannino DM**, Mihaicuta S. *Adv Sci (Weinh)*. 2023 Feb 19:e2203485. doi: 10.1002/adv.202203485. Online ahead of print.PMID: 36808826

[Multi-ancestry genome-wide association analyses improve resolution of genes and pathways influencing lung function and chronic obstructive pulmonary disease risk.](#)

Shrine N, Izquierdo AG, Chen J, Packer R, Hall RJ, Guyatt AL, Batini C, Thompson RJ, Pavuluri C, Malik V, Hobbs BD, Moll M, Kim W, Tal-Singer R, Bakke P, Fawcett KA, John C, Coley K, Piga NN, Pozarickij A, Lin K, Millwood IY, Chen Z, **Li L**; China Kadoorie Biobank Collaborative Group; Wijnant SRA, Lahousse L, Brusselle G, Uitterlinden AG, Manichaikul A, Oelsner EC, Rich SS, Barr RG, Kerr SM, Vitart V, Brown MR, Wielscher M, Imboden M, Jeong A, Bartz TM, Gharib SA, Flexeder C, Karrasch S, Gieger C, Peters A, Stubbe B, Hu X, Ortega VE, Meyers DA, Bleecker ER, Gabriel SB, Gupta N, Smith AV, Luan J, Zhao JH, Hansen AF, Langhammer A, Willer C, Bhatta L, Porteous D, Smith BH, Campbell A, Sofer T, Lee J, Daviglus ML, Yu B, Lim E, Xu H, O'Connor GT, Thareja G, Albagha OME; Qatar Genome Program Research (QGPR) Consortium; Suhre K, Granell R, Faquih TO, Hiemstra PS, Slats AM, Mullin BH, Hui J, James A, Beilby J, Patasova K, Hysi P, Koskela JT, Wyss AB, Jin J, Sikdar S, **Lee M**, May-Wilson S, Pirastu N, Kentistou KA, Joshi PK, Timmers PRHJ, Williams AT, Free RC, Wang X, Morrison JL, **Gilliland FD**, Chen Z, Wang CA, Foong RE, Harris SE, Taylor A, Redmond P, Cook JP, Mahajan A, Lind L, Palviainen T, Lehtimäki T, Raitakari OT, Kaprio J, Rantanen T, Pietiläinen KH, Cox SR, Pennell CE, Hall GL, Gauderman WJ, Brightling C, Wilson JF, Vasankari T, Laitinen T, Salomaa V, Mook-Kanamori DO, Timpson NJ, Zeggini E, Dupuis J, Hayward C, Brumpton B, Langenberg C, Weiss S, Homuth G, Schmidt CO, Probst-Hensch N, Jarvelin MR, Morrison AC, Polasek O, Rudan I, Lee JH, Sayers I, Rawlins EL, Dudbridge F, **Silverman EK**, Strachan DP, Walters RG, Morris AP, **London SJ**, Cho MH, Wain LV, Hall IP, Tobin MD. *Nat Genet*. 2023 Mar;55(3):410-422. doi: 10.1038/s41588-023-01314-0. Epub 2023 Mar 13.PMID: 36914875

[Lung Imaging of COPD: Part 2: Emerging Concepts Lung Imaging in COPD: Part 2: Emerging Concepts.](#)

Raouf S, Shah M, Braman S, Agrawal A, Allaqaband H, Bowler R, Castaldi P, DeMeo D, Fernando S, Hall CS, Han M, Hogg J, Humphries S, Lee HY, Lee KS, Lynch D, Machnicki S, Mehta A, Mehta S, Mina B, Naidich D, Naidich J, Ohno Y, **Regan E**, van Beek E, Washko G, Make B. *Chest*. 2023 Mar 10:S0012-3692(23)00330-6. doi: 10.1016/j.chest.2023.02.049. Online ahead of print.PMID: 36907375 Review.

[Lung Imaging in COPD: Part 1: Clinical Utility.](#)

Raouf S, Shah M, Make B, Allaqaband H, Bowler R, Fernando S, Greenberg H, Han M, Hogg J, Humphries S, Lee KS, Lynch D, Machnicki S, Mehta A, Mina B, Naidich D, Naidich J, Naqvi Z, Ohno Y, **Regan E**, Travis W, Washko G, Braman S. *Chest*. 2023 Mar 10:S0012-3692(23)00329-X. doi: 10.1016/j.chest.2023.03.007. Online ahead of print. PMID: 36907372 Review

[Traction Bronchiectasis/Bronchiolectasis in Interstitial Lung Abnormality: Follow-up in the COPD Gene.](#)

Hata A, Hino T, Li Y, Johkoh T, **Christiani DC**, Lynch DA, Cho MH, **Silverman EK**, Hunninghake GM, Hatabu H; COPD Gene Investigators. *Am J Respir Crit Care Med*. 2023 Mar 10. doi: 10.1164/rccm.202211-2061LE. Online ahead of print. PMID: 36898128 No abstract available.

SARS-CoV-2 / COVID-19

[The Macklin effect closely correlates with pneumomediastinum in acutely ill intubated patients with COVID-19 infection.](#)

Maccarrone V, Liou C, D'souza B, **Salvatore MM**, Leb J, Belletti A, Palumbo D, Landoni G, Capaccione KM. *Clin Imaging*. 2023 Mar 4;97:50-54. doi: 10.1016/j.clinimag.2023.03.003. Online ahead of print. PMID: 36889115 **Free PMC article.**

[Severe COVID-19 pneumonia leads to post-COVID-19 lung abnormalities on follow-up CT scans.](#)

Hino T, Nishino M, Valtchinov VI, Gagne S, Gay E, Wada N, Tseng SC, Madore B, Guttman CRG, Ishigami K, Li Y, **Christiani DC**, Hunninghake GM, Levy BD, Kaye KM, Hatabu H. *Eur J Radiol Open*. 2023;10:100483. doi: 10.1016/j.ejro.2023.100483. Epub 2023 Mar 3. PMID: 36883046 **Free PMC article.**

[Incidence and Predictors of COVID-19 Infection in Prison Healthcare Workers.](#)

Caruth J, Black K, Legard A, De Resende A, Getz K, Borowski M, Debilio L, Brewer A, **Kippen H**, Udasin IG, Graber JM. *J Occup Environ Med*. 2023 Mar 7. doi: 10.1097/JOM.0000000000002836. Online ahead of print. PMID: 36882811

[Occupational Risk Factors for SARS-CoV-2 Seropositivity in Healthcare Workers: Results of a Longitudinal Cohort.](#)

Fazen LE, Abad QA, Smith RF, Santiago R, Liu J, **Wisnewski AV**, **Redlich CA**. *J Occup Environ Med*. 2023 Mar 9. doi: 10.1097/JOM.0000000000002831. Online ahead of print. PMID: 36893070

[Post-COVID dyspnea: prevalence, predictors, and outcomes in a longitudinal, prospective cohort.](#)

Grewal JS, **Carlsten C**, Johnston JC, Shah AS, Wong AW, Ryerson CJ. *BMC Pulm Med*. 2023 Mar 13;23(1):84. doi: 10.1186/s12890-023-02376-w. PMID: 36907855

Malignancy

[Tumor MK2 transcript levels are associated with improved response to chemotherapy and patient survival in NSCLC.](#)

Suresh K, Del Rosario O, Kallem M, Singh G, Shah A, Zheng L, Yun X, Philip NM, **Putcha N**, McClure MB, Jiang H, D'Alessio F, Srivastava M, Bera A, Shimoda LA, Merchant M, Rane MJ, Machamer CE, Mock J, Hagan R, Koch AL, Punjabi NM, Kolb TM, Damarla M. *Physiol Genomics*. 2023 Mar 6. doi: 10.1152/physiolgenomics.00155.2022. Online ahead of print. PMID: 36878491

Occupational Injuries and Environmental Exposures

[Association of Long-term Exposure to Particulate Air Pollution With Cardiovascular Events in California.](#)

Alexeeff SE, Deosaransingh K, Van Den Eeden S, **Schwartz J**, Liao NS, Sidney S. *JAMA Netw Open*. 2023 Feb 1;6(2):e230561. doi: 10.1001/jamanetworkopen.2023.0561. PMID: 36826819 **Free PMC article.**

[PM2.5 and Cardiovascular Health Risks.](#)

Krittanawong C, Qadeer YK, Hayes RB, Wang Z, Virani S, **Thurston GD**, Lavie CJ. *Curr Probl Cardiol*. 2023 Feb 22:101670. doi: 10.1016/j.cpcardiol.2023.101670. Online ahead of print. PMID: 36828043 Review.

[Cognitive Development and Prenatal Air Pollution Exposure in the CHAMACOS Cohort.](#)

Holm SM, **Balmes JR**, Gunier RB, Kogut K, Harley KG, Eskenazi B. *Environ Health Perspect*. 2023 Mar;131(3):37007. doi: 10.1289/EHP10812. Epub 2023 Mar 13. PMID: 36913239

[Personal air pollution exposure and metals in the nasal epithelial lining fluid of COPD patients.](#)

Zetlen HL, Stanley Lee A, Nurhussien L, Sun W, Kang CM, Zanobetti A, **Rice MB**. *Environ Res Health*. 2023 Jun 1;1(2):021002. doi: 10.1088/2752-5309/acbbe5. Epub 2023 Mar 1. PMID: 36873424 **Free PMC article.**

[A cross sectional pilot study to assess the role of phthalates on respiratory morbidity among patients with chronic obstructive pulmonary disease.](#)

Quirós-Alcalá L, Belz DC, Woo H, Lorzio W, **Putcha N**, Koehler K, McCormack MC, Hansel NN. *Environ Res*. 2023 Mar 7;225:115622. doi: 10.1016/j.envres.2023.115622. Online ahead of print. PMID: 36894111

[Mucus increases cell iron uptake to impact the release of pro-inflammatory mediators after particle exposure.](#)

Ghio AJ, Soukup JM, Dailey LA, **Roggli VL**. *Sci Rep*. 2023 Mar 9;13(1):3925. doi: 10.1038/s41598-023-30335-2. PMID: 36894564 **Free PMC article.**

[Cooking with Natural Gas: Just the Facts Please.](#)

Balmes JR, Holm SM, McCormack MC, Hansel NN, Gerald LB, Krishnan JA. *Am J Respir Crit Care Med*. 2023 Mar 3. doi: 10.1164/rccm.202302-0278VP. Online ahead of print. PMID: 36867430 No abstract available.

[Long-term exposure to ambient particulate matter and stroke etiology: Results from the Women's Health Initiative.](#)

Kulick ER, Eliot MN, Szpiro AA, Coull BA, Tinker LF, Eaton CB, Whitsel EA, Stewart JD, **Kaufman JD**, Wellenius GA. *Environ Res*. 2023 May 1;224:115519. doi: 10.1016/j.envres.2023.115519. Epub 2023 Feb 21. PMID: 36813070

[Large-scale agricultural burning and cardiorespiratory emergency department visits in the U.S. state of Kansas.](#)

Pennington AF, Vaidyanathan A, Ahmed FS, Manangan A, **Mirabelli MC**, Sircar KD, Yip F, Flanders WD. *J Expo Sci Environ Epidemiol*. 2023 Mar 6. doi: 10.1038/s41370-023-00531-3. Online ahead of print. PMID: 36878971

[Innovative compounds to reduce \$\beta\$ -D-glucans, endotoxin, and allergens newly discovered on smartphones.](#)

Ruran HB, Tourigny L, **Thorne PS**, Metwali N. *J Allergy Clin Immunol Glob*. 2023 Feb;2(1):79-83. doi: 10.1016/j.jacig.2022.10.002. Epub 2022 Nov 21. PMID: 36873732 **Free PMC article.**

[Poor adherence to dust, noise and safety regulations predict injury rates in underground coal mines.](#)

Friedman LS, Shannon B, **Go LHT**, Shao Y, Almberg KS, **Cohen RA**. *Occup Environ Med*. 2023 Mar 3;:oemed-2022-108650. doi: 10.1136/oemed-2022-108650. Online ahead of print. PMID: 36868826

Neonatal and Pediatric Disease

[The impact of prenatal dog keeping on infant gut microbiota development.](#)

Panzer AR, Sitarik AR, Fadrosch D, Havstad SL, Jones K, Davidson B, Finazzo S, Wegienka GR, Woodcroft K, Lukacs NW, Levin AM, Ownby DR, **Johnson CC**, Lynch SV, Zoratti EM. *Clin Exp Allergy*. 2023 Mar 14. doi: 10.1111/cea.14303. Online ahead of print. PMID: 36916778

[Ozone and childhood respiratory health: A primer for US pediatric providers and a call for a more protective standard.](#)

Rosser F, Balmes J. *Pediatr Pulmonol*. 2023 Feb 23. doi: 10.1002/ppul.26368. Online ahead of print. PMID: 36815617 Review.

[Integrative genetics-metabolomics analysis of infant bronchiolitis-childhood asthma link: A multicenter prospective study.](#)

Ooka T, Zhu Z, Liang L, **Celedon JC**, Harmon B, Hahn A, Rhee EP, Freishtat RJ, Camargo CA Jr, Hasegawa K. *Front Immunol.* 2023 Feb 2;13:1111723. doi: 10.3389/fimmu.2022.1111723. eCollection 2022. PMID: 36818476 **Free PMC article.**

[Sex-Specific Alterations of the Lung Transcriptome at Birth in Mouse Offspring Prenatally Exposed to Vanilla-Flavored E-Cigarette Aerosols and Enhanced Susceptibility to Asthma.](#)

Noël A, Yilmaz S, Farrow T, Schexnayder M, Eickelberg O, Jelesijevic T. *Int J Environ Res Public Health.* 2023 Feb 20;20(4):3710. doi: 10.3390/ijerph20043710. PMID: 36834405 **Free PMC article.**

[Isolated abnormal FEF75% detects unsuspected bronchiolar obstruction in CF children.](#)

Masson VK, Nussbaum E, Gelb AF, **Tashkin DP**, Randhawa I, Nadel JA, Fireizen Y, De Celie-Germana JK, Madera D, Senanayake D. *Pediatr Res.* 2023 Mar 13. doi: 10.1038/s41390-023-02532-2. Online ahead of print. PMID: 36914809

Global Health

[Diné-centered Research Reframes the Gold King Mine Spill: Understanding Social and Spiritual Impacts Across Space and Time.](#)

Clausen RJ, Chief C, Teufel-Shone NI, Begay MA Jr, Charley PH, **Beamer PI**, Anako N, Chief K. *J Rural Stud.* 2023 Jan;97:449-457. doi: 10.1016/j.jrurstud.2022.12.021. Epub 2023 Jan 6. PMID: 36908972

Climate Change, Public Health and Policy

[Stressors in health care and their association to symptoms experienced by gender diverse people.](#)

Clark KD, Flentje A, Sevelius JM, Dawson-Rose C, Weiss SJ. *Public Health.* 2023 Mar 1;217:81-88. doi: 10.1016/j.puhe.2023.01.017. Online ahead of print. PMID: 36867986

Cigarettes, E-cigs, and other Tobacco or Cannabis Smoke Exposures

[Untargeted Metabolomics to Characterize the Urinary Chemical Landscape of E-Cigarette Users.](#)

Hsiao YC, Matulewicz RS, Sherman SE, **Jaspers I**, Weitzman ML, Gordon T, Liu CW, Yang Y, Lu K, Bjurlin MA. *Chem Res Toxicol.* 2023 Mar 13. doi: 10.1021/acs.chemrestox.2c00346. Online ahead of print. PMID: 36912507

Cellular Mechanisms

[A Bispecific METxMET Antibody-Drug Conjugate with Cleavable Linker Is Processed in Recycling and Late Endosomes.](#)

Perez Bay AE, Faulkner D, DaSilva JO, Young TM, Yang K, Giurleo JT, Ma D, Delfino FJ, Olson WC, **Thurston G**, Daly C, Andreev J. *Mol Cancer Ther.* 2023 Mar 2;22(3):357-370. doi: 10.1158/1535-7163.MCT-22-0414. PMID: 36861363 **Free PMC article.**

[Expanded characterization of in vitro polarized M0, M1, and M2 human monocyte-derived macrophages: Bioenergetic and secreted mediator profiles.](#)

Hickman E, Smyth T, Cobos-Uribe C, Immormino R, Rebuli ME, Moran T, Alexis NE, **Jaspers I**. *PLoS One*. 2023 Mar 2;18(3):e0279037. doi: 10.1371/journal.pone.0279037. eCollection 2023. PMID: 36862675 **Free PMC article.**

[Photoaging of polystyrene microspheres causes oxidative alterations to surface physicochemistry and enhances airway epithelial toxicity.](#)

El Hayek E, Castillo E, In JG, Garcia M, Cerrato J, Brearley A, Gonzalez-Estrella J, Herbert G, Bleske B, Benavidez A, Hsiao H, Yin L, **Campen MJ**, Yu X. *Toxicol Sci*. 2023 Mar 7:kfad023. doi: 10.1093/toxsci/kfad023. Online ahead of print. PMID: 36881996

[Rat Bronchoalveolar Lavage Proteome Changes Following E-cigarette Aerosol Exposures.](#)

Day NJ, Wang J, **Johnston CJ**, Kim SY, Olson HM, House EL, Attah IK, Clair GC, Qian WJ, McGraw MD. *Am J Physiol Lung Cell Mol Physiol*. 2023 Mar 7. doi: 10.1152/ajplung.00016.2023. Online ahead of print. PMID: 36881561

[Lipidome modulation by dietary omega-3 polyunsaturated fatty acid supplementation or selective soluble epoxide hydrolase inhibition suppresses rough LPS-accelerated glomerulonephritis in lupus-prone mice.](#)

Favor OK, Chauhan PS, Pourmand E, Edwards AM, **Wagner JG**, Lewandowski RP, Heine LK, **Harkema JR**, Lee KSS, Pestka JJ. *Front Immunol*. 2023 Feb 16;14:1124910. doi: 10.3389/fimmu.2023.1124910. eCollection 2023. PMID: 36875087 **Free PMC article.**

[Genetic polymorphism \(rs6587666\) in *FLG* protects from eczema in admixed Brazilian children population with high African ancestry.](#)

Rios R, Magalhães da Silva T, Strina A, Forno E, Costa R, **Celedón JC**, Barreto ML, Figueiredo CA. *Heliyon*. 2023 Feb 10;9(2):e13659. doi: 10.1016/j.heliyon.2023.e13659. eCollection 2023 Feb. PMID: 36865480 **Free PMC article.**

[Real-time redox adaptations in human airway epithelial cells exposed to isoprene hydroxy hydroperoxide.](#)

Pennington ER, Masood S, Simmons SO, Dailey L, **Bromberg PA**, Rice RL, Gold A, Zhang Z, Wu W, Yang Y, **Samet JM**. *Redox Biol*. 2023 May;61:102646. doi: 10.1016/j.redox.2023.102646. Epub 2023 Feb 25. PMID: 36867944 **Free article.**

[Multi-Omics Analysis of Lung Tissue Demonstrates Changes to Lipid Metabolism during Allergic Sensitization in Mice.](#)

Kedir N Turi, Cole R Michel, Jonathan Manke , Katrina A Doenges, Nichole Reisdorph , Alison K Bauer. *Metabolites*. 2023 Mar 9;13(3):406. doi: 10.3390/metabo13030406.

Sarcoidosis, Interstitial Lung Disease and Transplant

[Peripheral Blood Biomarkers for Rheumatoid Arthritis-Associated Interstitial Lung Disease: A Systematic Review.](#)

Van Kalsbeek D, Brooks R, Shaver D, Ebel A, Hershberger D, Schmidt C, **Poole JA**, Ascherman DP, Thiele GM, Mikuls TR, England BR. *ACR Open Rheumatol.* 2023 Feb 28. doi: 10.1002/acr2.11535. Online ahead of print. PMID: 36852564 **Free article.**

[Idiopathic pulmonary fibrosis and lung cancer: future directions and challenges.](#)

Abu Qubo A, Numan J, Snijder J, Padilla M, Austin JHM, Capaccione KM, Pernia M, Bustamante J, O'Connor T, **Salvatore MM**. *Breathe (Sheff).* 2022 Dec;18(4):220147. doi: 10.1183/20734735.0147-2022. Epub 2023 Jan 10. PMID: 36865932 **Free PMC article.** Review.

[Standardization of flow cytometry and cell sorting to enable a transcriptomic analysis in a multi-site sarcoidosis study.](#)

Magallon RE, Harmacek LD, Arger NK, Grewal P, Powers L, Werner BR, Barks BQ, **Li L**, MacPhail K, Gillespie M, White EK, Collins SE, Brown T, Cardenas J, Chen ES, **Maier LA**, Leach SM, Hamzeh NY, Koth LL, O'Connor BP. *PLoS One.* 2023 Mar 9;18(3):e0281210. doi: 10.1371/journal.pone.0281210. eCollection 2023. PMID: 36893197 **Free PMC article.**

Sleep Apnea

[The combination of atomoxetine and dronabinol for the treatment of obstructive sleep apnea: a dose escalating, open-label trial.](#)

Messineo L, Norman D, **Ojile J.J** *Clin Sleep Med.* 2023 Feb 21. doi: 10.5664/jcsm.10528. Online ahead of print. PMID: 36805833

<https://www.docmatter.com/dm/app/profile/group/?id=12021>

Member Announcements

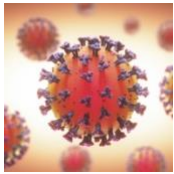
Planning is announcing our published project (published late Dec), see below for the link to the workshop report and announcing our funded project for this year (see below) which will take place partially at the annual meeting and partially in a virtual format. We can announce award winners in the next issue after the business meeting.

https://www.atsjournals.org/doi/10.1513/AnnalsATS.202209-796ST?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20pubmed

Workshop Report led by Daniel Croft (Chair), Neeta Thakur (Chair), Alison Lee (Co-chair), Helena Chapman (Co-chair), and Tara Nordgren (Co-chair) entitled Climate Change and Respiratory Health: Opportunities for Environmental Justice

Other RESOURCES

Are you interested in getting more involved with ATS and the EOPH assembly? Register to indicate your interest! <https://www.thoracic.org/members/assemblies/get-involved-with-ats.php>



[COVID-19 Pandemic Resource Page](https://www.atsjournals.org/page/ajrccm/collections/COVID-19)

This page will serve as a hub for all COVID-19 related manuscripts published across all four ATS Journals.

<https://www.atsjournals.org/page/ajrccm/collections/COVID-19>

Current Events

Please send any interesting photos and comments for future editions of the EOPH newsletter.

Early Career Professional Working group

You are an early career professional and would like to get involved with the EOPH Assembly? Contact your Early Career Professional Working Group Chair Alexandra Noël (anoel@lsu.edu).

Mentoring Program at the ATS International Conference

This year at the ATS 2023 International Conference in Washington, DC we will once again offer a designated meeting space exclusively for mentors and mentees to connect in person. This space will be available for 2x days from 7 am – 7 pm and refreshments will be offered throughout the day.



Mentoring Program link to sign up: <https://www.thoracic.org/members/assemblies/ats-mentoring-programs.php>

PhD and Basic/Translational Focused Events at ATS 2023

- May 21 2023 9:00AM

Basic Science Core. A5. QUANTIFICATION OF ENVIRONMENTAL EXPOSURES USING STATE-OF-THE-ART METHODS

- May 21 2023 2:15PM

Basic Science Core. A85. PHYSIOLOGICAL AND CELLULAR IMPACT OF ENVIRONMENTAL EXPOSURES

- May 22 2023 9:00AM

Basic Science Core. B5. BACK TO BASICS: HARNESSING THE POWER OF MOUSE MODELS TO UNDERSTAND HUMAN SEPSIS

- May 22 2023 2:15PM

Basic Science Core. B85. PROCESSING THE ENVIRONMENT: LUNG LYMPHATICS AND FOLLICLES IN DISEASE

ATS2023

Day	AM / PM	Type	Session #	Title
Sunday	AM	PD	A25	Omics and the exposome: high dimensional methods in environmental health
Sunday	AM	Symp	A12	Publication to empowerment- transitioning science into environmental justice advocacy
Sunday	PM	PD	A104	Novel insights on Cannabis, Tobacco and e-Cigarette use
Sunday	PM	Symp	A89	Can environmental interventions change the social determinants of health
Sunday		TP	A51	Management and impact of the Covid-19 pandemic on respiratory health
Sunday		TP	A52	Studies and case reports in occupational lung disease
Sunday		MTE	MTE11	Small Airways Disease: When it's not Asthma
Monday	AM	MS	B18	Time to act: Interventions to reduce respiratory health effects of pollutants
Monday	PM	PD	B105	RAPiD: Sick on the job: uncovering modern occupational hazards
Monday	PM	Symp	B88	Leaps and bounds: reducing healthcare's carbon footprint
Monday		TP	B51	Environmental and clinical epidemiology of airway disease, asthma, COPD
Monday		TP	B52	Mechanisms of pulmonary toxicity

Monday		MTE	MTE21	New Approaches for Non-invasive Access to the Lung
Monday		MTE	MTE22	Communicating Science to the Press
Tuesday	AM	PD	C24	Disparities in the health effects of climate change and pollutants
Tuesday	AM	MS	C17	In this together: confronting environmental health challenges around the world
Tuesday	PM	MS	C95	Not just genes: environmental exposures and interstitial lung disease
Tuesday	PM	Symp	C90	Double trouble: air pollutants and tuberculosis
Tuesday		TP	C56	Trends and predictors of respiratory health around the world
Tuesday		TP	C57	Case reports in pulmonary and environmental health
Wednesday	PM	Symp	D86	Humans, animals, the environment
Wednesday	AM	MS	D17	Bugs, lungs and the environment: the interplay between ambient exposures, microbiome, and respiratory infection
Wednesday	AM	PD	D26	Risk factors for COPD and lung cancer - beyond tobacco
Wednesday		MTE	MTE48	Advocacy in Lung Health
<p>Symp = Symposium (proposal-based) MS = Mini-symposium (abstract-based) PD = Poster Discussion Session (one RAPiD programmed) TP = Thematic Poster Session MTE = Meet the expert</p>				



Updates from Terrorism and Inhalation Disasters (TID) Section

Join the Section on Terrorism and Inhalational Disasters (TID) for its Annual Meeting on **Sunday May 20, 2023 from 7:15-8:45 p.m.**, following the EOPH Assembly Meeting, location TBD. Food will be provided. We are delighted to host our Keynote Speaker, Dr. Paul Andrews, Retired CIA Physician, to speak about his experience investigating and then experiencing "Havana Syndrome." This mysterious condition received international attention when US State Department staff began experiencing unexplained concussion-like symptoms in Cuba in 2017, with concerns they were induced by directed energy sources. Dr. Andrews will discuss the challenges in investigating a novel agent, handling scientific and medical issues that become highly politicized, and knowing when to engage groups with different expertise and interest as part of an investigation.

See footage of Dr. Andrews in this CNN Interview:

<https://www.cnn.com/2022/09/25/politics/havana-syndrome-cia-doctor-cnn-special/index.html#:~:text=CIA%20physician%20Dr.,CNN%20Chief%20Medical%20Correspondent%20Dr>

Other topics will include TID's efforts with the Organization for the Prohibition of Chemical Weapons, the Ohio train derailment vinyl chloride disaster, and the second annual TID Lifetime Achievement and Best Abstract Award recipients. New, experienced, junior, and senior attendees are all invited. You do not need to be a TID Member to attend, but we bet you will want to join after coming!

Recent Publications of Interest

Norful AA, Cato K, Chang BP, Amberson T, **Castner J**. Emergency nursing workforce, burnout, and job turnover in the united states: a national sample survey analysis. *J Emerg Nurs*. 2023:S0099-1767(22)00366-X. doi: 10.1016/j.jen.2022.12.014. Epub ahead of print. PMID: 36754732.

Castner J, Stanislo K, Castner M, Monsen KA. Public health nursing workforce and learning needs: A national sample survey analysis. *Public Health Nurs*. 2023. doi: 10.1111/phn.13171. PMID: 36683284.

Adler-Milstein J, Aggarwal N, Ahmed M, **Castner J**, Evans B, Gonzalez A, Lin S, Mandl K, Matheny M, Sendak M, Shachar C, Williams A. Meeting the moment: reducing barriers and facilitating clinical adoption of artificial intelligence in medical diagnosis. *NAM Perspectives*. 2022; <https://doi.org/10.31478/202209c>

Hines, SE, Mueller, N, Gaitens, JM, Molina-Ochoa, D, Fernandes, E, McDiarmid, M. Respiratory Protection Perceptions Among Malian Health Workers: Insights from the Health Belief Model, *International Journal of Environmental Research and Public Health*, 2022:19(5):3028.

Zhuang E, Thurman P, Chen H, McDiarmid M, **Hines SE**. Physiological Impacts of Surgical Mask Coverage of Elastomeric Half-Mask Respirator Exhalation Valves in Healthcare Workers. *Annals of Work Exposures and Health*, 2022:66:233-245.

Thurman, P, Zhuang, E, Chen, H, McClain, C, Sietsema, M, Fernando, R, McDiarmid, M, **Hines, SE**. Characteristics associated with healthcare worker knowledge and confidence in elastomeric half-mask respirator use. *Journal of Occupational and Environmental Medicine*, 2022:64(9):802-807.

Davis, C, Rabin, A, Jani, N, Osterholzer, J, Krefft, S, **Hines, S**, Arjomandi, M, Robertson, M, Sotolongo, A, Falvo, M, and the Post-Deployment Cardiopulmonary Evaluation Network. Post-Deployment Respiratory Health: The Role of the Airborne Hazards and Open Burn Pit Registry and the Post-Deployment Cardiopulmonary Evaluation Network, *Federal Practitioner*, 2022;39:337-343.

Cloeren, M, Dement, J, Gaitens, J, **Hines, S**, Diaz, L, Tembunde, Y, Cranford, K, Shorter, J, Mosier, M, Ringen, K. Beryllium Disease Among Construction Trade Workers at Department of Energy Nuclear Sites: A Follow-up. *American Journal of Industrial Medicine*, 2022;65(9);708-720.

Grier, W, Abbas, H, Gebeyehu, RR, Kumar Singh, A, Ruiz, J, **Hines, S**, Alghanim, F, Deepak, J. Military exposure and lung cancer in United States veterans. *Seminars in Oncology*, First published 19 July 2022, doi.org/10.1053/j.seminoncol.2022.06.010

Hines, SE, Gaitens, JM, Brown, CH, Glick, DR, Chin, KH, Reback, M, McDiarmid, M. Self-reported respiratory outcomes associated with blast exposure in post 9/11 veterans. *Respiratory Medicine*, 2022: 106963, 2022.

Zhuang, E, Chen, HH, Kolesnik, O, **Hines, SE**. Tolerability, User Acceptance and Preference for a Novel Reusable Respirator Among Healthcare Workers. *American Journal of Infection Control*, 2022:S0196-6553(22)00673-3 Online ahead of print.

Shah, A, Zhuang, E, German, J, Tai, S, Shanz, M, Glendening, G, Mason, M, Kolesnik, O, **Hines, SE**. Surface contamination of reusable respirators and face shields during care of critically ill COVID-19 patients. *Workplace Health & Safety*, 2023;71(3):137-143.

Falvo, M, Sotolongo, A, Osterholzer, J, Robertson, M, Kazerooni, E, Amorosa, J, Garshick, E, Jones, K, Galvin, J, Kreiss, K, **Hines, S**, Franks, T, Miller, R, Rose, C, Arjomandi, M, Krefft, S, Morris, M, Polosukhin, V, Blanc, P, D'Armiento, J. Expert consensus on constrictive bronchiolitis in previously deployed individuals: A Delphi study. *Chest*, 2023;163(3):599-609.

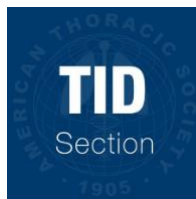
Glick, D.R., Abariga S.A., Thomas, I, Shipper, A.G., Gunia, B.C., Grandner, M.S., Rosenberg, E., **Hines, S.E.**, Capaldi, V., Collen, J., Wickwire, E.M. Economic Impact of Insufficient and Disturbed Sleep in the Workplace. *Pharmacoeconomics*, 2023 Mar 18. doi: 10.1007/s40273-023-01249-8. Online ahead of print.

Hines, SE, Dement, J, Cloeren, M, Cranford, K, Quinn, PS, Ringen, K. Restrictive spirometry pattern among construction trade workers. *American Journal of Industrial Medicine*, 2023 Mar 21. doi: 10.1002/ajim.23474. Online ahead of print.

Attention trainees and junior faculty: We are looking for someone who is interested to serve on the TID Section Web Editorial Committee. The incumbent will be actively involved in posting updates on social media, updating TID Section website, and assisting in generating content for the newsletters. If interested, please contact Satya Achanta (satya.achanta@duke.edu).



TID section is on [twitter](#)
Follow TID section on [@ATSTIDSection](#)



TID section is soliciting ideas for putting together podcasts, webinars, and journal clubs.

Please contact Satya Achanta, DVM, PhD, DABT (satya.achanta@duke.edu), Web Director of TID section, if you are interested to lead any of these activities.

Also, please email your publications, news articles, or presentations pertinent to TID section to include in the future EOPH newsletters.

EOPH Leadership

Ilona Jaspers, PhD Chair, Assembly on Environmental, Occupational and Population Health

Stephanie London, MD, DrPH -Past Chair, Assembly on Environmental, Occupational and Population Health

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