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EOPH Newsletter

***EOPH web
editorial committee***

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Dear EOPH members,

This is the inaugural issue of a monthly EOPH newsletter. We hope to highlight the recent publications of our membership, and help to celebrate our members' achievements. We are especially interested in highlighting the best work of trainees and junior faculty members. We would 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 this month. Our assembly published over 200 articles in October, so unfortunately there is not space to include them all. We only included published articles, so if you have an article currently "in press" you can look for it the month it is published.

Air Pollution

A Novel High-Throughput Approach to Measure Hydroxyl Radicals Induced by Airborne Particulate Matter. Son Y, Mishin V, Welsh W, Lu SE, Laskin JD, Kipen H, Meng Q. *Int J Environ Res Public Health.* 2015 Oct 28;12(11):13678-95.

Effects of inhaled CO administration on acute lung injury in baboons with pneumococcal pneumonia. Fredenburgh LE, Kraft BD, Hess DR, Harris RS, Wolf MA, Suliman HB, Roggli VL, Davies JD, Winkler T, Stenzler A, Baron RM, Thompson BT, Choi AM, Welty-Wolf KE, Piantadosi CA. *Am J Physiol Lung Cell Mol Physiol.* 2015 Oct 15;309(8):L834-46 .

COCINAS Trial Working Group. Low correlation between household carbon monoxide and particulate matter concentrations from biomass-related pollution in three resource-poor settings. Klasen EM, Wills B, Naithani N, Gilman RH, Tielsch JM, Chiang M, Khatry S, Breysse PN, Menya D, Apaka C, Carter EJ, Sherman CB, Miranda JJ, Checkley W. *Environ Res.* 2015 Oct;142:424-31.

Long-Term Air Pollution Exposure and Blood Pressure in the Sister Study. Chan SH, Van Hee VC, Bergen S, Szpiro AA, DeRoo LA, London SJ, Marshall JD, Kaufman JD, Sandler DP. *Environ Health Perspect.* 2015 Oct;123(10):951-8.

Toxicity Evaluation of Exposure to an Atmospheric Mixture of Polychlorinated Biphenyls by Nose-Only and Whole-Body Inhalation Regimens. Hu X, Adamcakova-Dodd A, Lehmler HJ, Gibson-Corley K, Thorne PS. *Environ Sci Technol.* 2015 Oct 6;49(19):11875-83.

Asthma

Anticholinergic vs Long-Acting β -Agonist in Combination With Inhaled Corticosteroids in Black Adults With Asthma: The BELT Randomized Clinical Trial. Wechsler ME, Yawn BP, Fuhlbrigge AL, Pace WD, Pencina MJ, Doros G, Kazani S, Raby BA, Lanzillotti J, Madison S, Israel E; BELT Investigators. *JAMA.* 2015 Oct 27;314(16):1720-30.

Activated p38 MAPK in Peripheral Blood Monocytes of Steroid Resistant Asthmatics. Li LB, Leung DY, Goleva E. PLoS One. 2015 Oct 30;10(10):e0141909.

Revisiting the hygiene hypothesis for allergy and asthma. Liu AH. J Allergy Clin Immunol. 2015 Oct;136(4):860-5.

The IL-1 axis is associated with airway inflammation after O₃ exposure in allergic asthmatic patients. Aleman MM, Kesic MJ, Mills KH, Peden DB, Hernandez ML. J Allergy Clin Immunol. 2015 Oct;136(4):1099-1101.e2.

Genome-wide expression profiles identify potential targets for gene-environment interactions in asthma severity. Sordillo JE, Kelly R, Bunyavanich S, McGeachie M, Qiu W, Croteau-Chonka DC, Soto-Quiros M, Avila L, Celedón JC, Brehm JM, Weiss ST, Gold DR, Litonjua AA. J Allergy Clin Immunol. 2015 Oct;136(4):885-892.e2.

COPD

Molecular and clinical diseasesome of comorbidities in exacerbated COPD patients. Faner R, Gutiérrez-Sacristán A, Castro-Acosta A, Grosdidier S, Gan W, Sánchez-Mayor M, Lopez-Campos JL, Pozo-Rodriguez F, Sanz F, Mannino D, Furlong LI, Agustí A. Eur Respir J. 2015 Oct;46(4):1001-10.

Circulating Soluble Receptor for Advanced Glycation End Products (sRAGE) as a Biomarker of Emphysema and the RAGE Axis in the Lung. Yonchuk JG, Silverman EK, Bowler RP, Agustí A, Lomas DA, Miller BE, Tal-Singer R, Mayer RJ. Am J Respir Crit Care Med. 2015 Oct 1;192(7):785-92.

Cord blood vitamin D concentrations are unrelated to atopy and wheeze in 2 diverse birth cohort studies. Visness CM, Sandel MT, O'Connor G, Gern JE, Jaffee KF, Wood RA, Kattan M, Bloomberg GR, Dresen A, Gergen PJ, Gold DR, Lemanske RF Jr, Rajamanickam V, Camargo CA Jr, Jackson DJ. J Allergy Clin Immunol. 2015 Oct;136(4):1108-1110.e2.

The relationship between Helicobacter pylori seropositivity and COPD. Sze MA, Chen YW, Tam S, Tashkin D, Wise RA, Connell JE, Man SP, Sin DD. Thorax. 2015 Oct;70(10):923-9.

Interstitial lung disease

A comparison of visual and quantitative methods to identify interstitial lung abnormalities. Kliment CR, Araki T, Doyle TJ, Gao W, Dupuis J, Latourelle JC, Zazueta OE, Fernandez IE, Nishino M, Okajima Y, Ross JC, Estépar RS, Diaz AA, Lederer DJ, Schwartz DA, Silverman EK, Rosas IO, Washko GR, O'Connor GT, Hatabu H, Hunninghake GM. BMC Pulm Med. 2015 Oct 29;15:134.

Relationship between gene expression and lung function in Idiopathic Interstitial Pneumonias. Steele MP, Luna LG, Coldren CD, Murphy E, Hennessy CE,

Heinz D, Evans CM, Groshong S, Cool C, Cosgrove GP, Brown KK, Fingerlin TE, Schwarz MI, Schwartz DA, Yang IV BMC Genomics. 2015 Oct 26;16(1):869.

Pulmonary inflammation

Resolvins attenuate inflammation and promote resolution in cigarette smoke-exposed human macrophages. Croasdell A, Thatcher TH, Kottmann RM, Colas RA, Dalli J, Serhan CN, Sime PJ, Phipps RP. Am J Physiol Lung Cell Mol Physiol. 2015 Oct 15;309(8):L888-901.

Interferon- γ enhances both the anti-bacterial and the pro-inflammatory response of human mast cells to *Staphylococcus aureus*. Swindle EJ, Brown JM, Rädinger M, DeLeo FR, Metcalfe DD Immunology. 2015 Nov;146(3):470-85

Population studies

GRADS Sarcoidosis Study Group *. Rationale and Design of the Genomic Research in Alpha-1 Antitrypsin Deficiency and Sarcoidosis (GRADS) Study. Sarcoidosis Protocol. DR, Koth LL, Maier LA, Morris A, Drake W, Rossman M, Leader JK, Collman RG, Hamzeh N, Swiss NJ, Zhang Y, O'Neal S, Senior RM, Becich M, Hochheiser HS, Kaminski N, Wisniewski SR, Gibson KF; Ann Am Thorac Soc. 2015 Oct;12(10):1561-71

Alternate methods of nasal epithelial cell sampling for airway genomic studies. Lai PS, Liang L, Cibas ES, Liu AH, Gold DR, Baccarelli A, Phipatanakul W J Allergy Clin Immunol. 2015 Oct;136(4):1120-1123.e4.

Organophosphate insecticide use and cancer incidence among spouses of pesticide applicators in the Agricultural Health Study. Lerro CC, Koutros S, Andreotti G, Friesen MC, Alavanja MC, Blair A, Hoppin JA, Sandler DP, Lubin JH, Ma X, Zhang Y, Beane Freeman LE. Occup Environ Med. 2015 Oct;72(10):736-44.

A Study on Mediation by Offspring BMI in the Association between Maternal Obesity and Child Respiratory Outcomes in the Amsterdam Born and Their Development Study Cohort. Harskamp-van Ginkel MW, London SJ, Magnus MC, Gademan MG, Vrijkotte TG. PLoS One. 2015 Oct 20;10(10):e0140641.

Molecular mechanisms underlying variations in lung function: a systems genetics analysis. Obeidat M, Hao K, Bossé Y, Nickle DC, Nie Y, Postma DS, Laviolette M, Sandford AJ, Daley DD, Hogg JC, Elliott WM, Fishbane N, Timens W, Hysi PG, Kaprio J, Wilson JF, Hui J, Rawal R, Schulz H, Stubbe B, Hayward C, Polasek O, Järvelin MR, Zhao JH, Jarvis D, Kähönen M, Franceschini N, North KE, Loth DW, Brusselle GG, Smith AV, Gudnason V, Bartz TM, Wilk JB, O'Connor GT, Cassano PA, Tang W, Wain LV, Artigas MS, Gharib SA, Strachan DP, Sin DD, Tobin MD, London SJ, Hall IP, Paré PD. Lancet Respir Med. 2015 Oct;3(10):782-95.

Diet, interleukin-17, and childhood asthma in Puerto Ricans. Han YY, Forno E, Brehm JM, Acosta-Pérez E, Alvarez M, Colón-Semidey A, Rivera-Soto W, Campos H,

Litonjua AA, Alcorn JF, Canino G, Celedón JC. Ann Allergy Asthma Immunol. 2015 Oct;115(4):288-293.e1.

Genome-wide Gene-Asbestos Exposure Interaction Association Study Identifies a Common Susceptibility Variant on 22q13.31 Associated with Lung Cancer Risk. Moller Liu CY, Stücker I, Chen C, Goodman G, McHugh MK, D'Amelio AM Jr, Etzel CJ, Li S, Lin X, Christiani DC. Cancer Epidemiol Biomarkers Prev. 2015 Oct;24(10):1564-73.

Environmental and Occupational Health

Advances in environmental and occupational disorders in 2014. Peden DB, Bush RK. J Allergy Clin Immunol. 2015 Oct;136(4):866-71.

Prospective Risk of Rheumatologic Disease Associated with Occupational Exposure in a Cohort of Male Construction Workers. Blanc PD, Järvholt B, Torén K. Am J Med. 2015 Oct;128(10):1094-101.

Things worth celebrating

Debra Romberger

Dr. Romberger has accepted the position of chair of Internal Medicine at the University of Nebraska Medical Center.



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. 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 to build their CV's. kbailey@unmc.edu or craig.glazer@utsouthwestern.edu.

Get “Linked In”

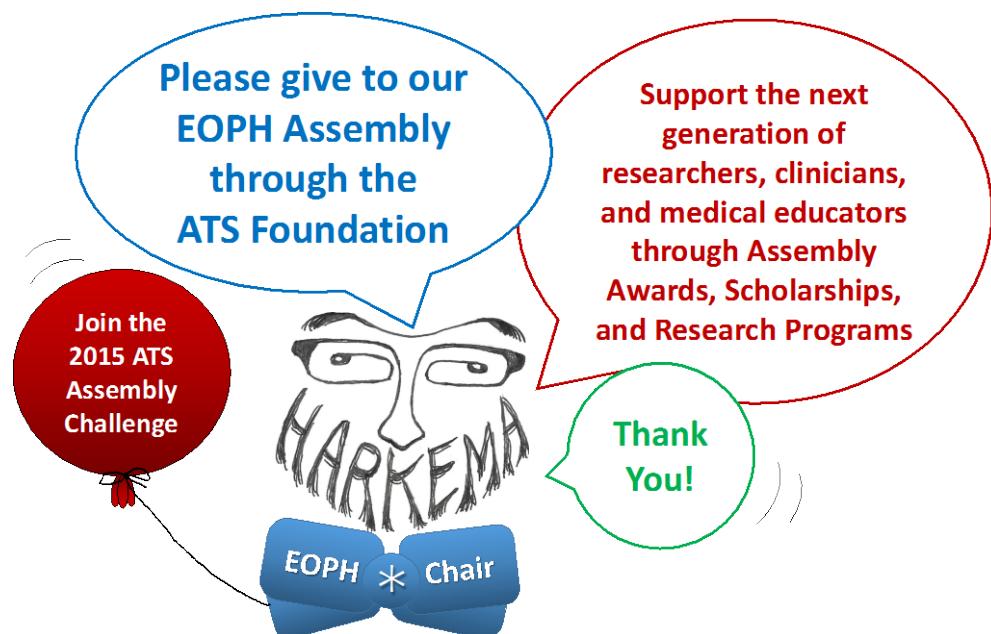
The EOPH Assembly now has a LinkedIn group!



This new group is meant as a forum for EOPH member interaction. Members are encouraged to share interesting articles or reports, and start discussions over emerging topics in the field. In addition, members are encouraged to seek advice and expertise from fellow members. For such inquiries, please begin your discussion title with, "Ask an Expert: " or "Advice Needed: ".

Connect with us at [LinkedIn](#).

A message from our chair



Don't forget to designate your funds to the EOPH assembly.