

REPORTED LIST OF PUBLICATIONS - 2015

TRDRP-funded California Research Consortium on Thirdhand Smoke Exposure and Human Health Effects

2012

1. Hoh E, Hunt RN, Quintana PJ, Zakarian JM, Chatfield DA, Wittry BC, Rodriguez E, Matt GE. (2012) Environmental tobacco smoke as a source of polycyclic aromatic hydrocarbons in settled household dust. *Environ Sci Technol* 46(7): p. 4174-83.

2013

2. Hang B, Sarker AH, Havel C, Saha S, Hazra TK, Schick S, Jacob P III, Rehan VK, Chenna A, Sharan D, Sleiman M, Destailats H, Gundel LA. (2013) Thirdhand smoke causes DNA damage in human cells. *Mutagenesis*, 2013, 28, 381-391.

3. Jacob P 3rd, Goniewicz ML, Havel C, Schick CF, Benowitz NL (2013). Nicotelline: A proposed biomarker and environmental tracer for particulate matter derived from tobacco smoke. *Chem Res Toxicol* 18;26:16.PMID: 24125094. DOI: 10.1021/tx400094y.

4. Matt GE, Fortmann AL, Quintana PJE, Zakarian JM, Romero RA, Chatfield DA, Hoh, E, Hovell MF (2013). Towards smoke-free rental cars: an evaluation of voluntary smoking restrictions in California. *Tob Control* 22(3): p. 201-7. doi:10.1136/tobaccocontrol-2011-050231.

5. Quintana PJ, Matt GE, Chatfield DA, Zakarian JM, Fortmann AL, Hoh E. (2013) Wipe sampling for nicotine as a marker of thirdhand tobacco smoke contamination on surfaces in homes, cars, and hotels. *Nicotine Tob Res* 15(9): p. 1555-63. doi: 10.1093/ntr/ntt014.

6. Sleiman M, Destailats H, Gundel LA. (2013) Solid-phase supported profluorescent nitroxide probe for the determination of aerosol-borne reactive oxygen species. *Talanta*, 2013, 116, 1033-1039. doi: 10.1016/j.talanta.2013.08.024. PMID: 24148512.

2014

7. Bahl V, Jacob 3rd P, Havel C, Schick SF, Talbot P. (2014) Thirdhand cigarette smoke: factors affecting exposure and remediation. *PLoS One*, 9(10): e108258. PMCID: PMC4186756. doi:10.1371/journal.pone.0108258.

8. Klepeis NE, Hughes SC, Edwards RD, Allen T, Johnson M, Chowdhury Z, Smith KR, Boman-Davis M, Belletiere J, Hovell MF. (2014). Promoting smoke-free homes: A novel behavioral intervention using realtime audio-visual feedback on airborne particle levels. *PLoS ONE* 8(8) e73251. doi:10.1371/journal.pone.0073251.

9. Martins-Green M, Frankos M, Adhami N, Valdez M, Goodwin B, Lyubovitsky J, Dhall S, Garcia M, Egiebor I, Martinez B, Green HW, Havel C, Yu L, Liles S, Matt G, Destailats H, Sleiman M, Gundel LA, Benowitz N, Jacob 3rd P, Hovell M, Winickoff JP, Curras-Collazo M. (2014). Cigarette smoke toxins deposited on surfaces: Implications for human health, *PLoS ONE*, 9(1): e86391. doi:10.1371/journal.pone.0086391.

10. Sarker AH, Chatterjee A, Williams M, Lin S, Havel C, Jacob 3rd P, Boldogh I, Hazra TK, Talbot P and Hang B. (2014) NEIL2 protects against oxidative DNA damage induced by sidestream smoke in human cells. *PLoS ONE*, Mar 3;9(3):e90261. doi: 10.1371/journal.pone.0090261. PMID: 24595271, PMCID: PMC3945017.

11. Matt GE, Quintana PJE, Fortmann AL, Zakarian JM, Galaviz, VE, Chatfield DA, Hoh, E, Hovell MF, Winston C. (2014). Thirdhand smoke and exposure in California hotels: non-smoking rooms fail to protect non-smoking hotel guests from tobacco smoke exposure. *Tob Control* 23(3): p. 264 - 272. doi:10.1136/tobaccocontrol-2012-050824.

12. Schick S, Farraro KF, Perrino C, Sleiman M, van de Vossenberg G, Trinh MP, Hammond SK, Jenkins BM, Balmes JR. (2014) Thirdhand cigarette smoke in an experimental chamber: evidence of surface deposition of nicotine, nitrosamines and polycyclic aromatic hydrocarbons and de novo formation of NNK. *Tob Control*, 23(2) 152-158. doi:10.1136/tobaccocontrol-2012-050915.

13. Sleiman M, Logue JM, Luo W, Pankow JF, Gundel LA, Destailats H. (2014) Inhalatory constituents of thirdhand tobacco smoke: Chemical characterization and health impact considerations. *Environ Sci Technol*. 48, 13093-13101. doi: 10.1021/es5036333. PMID: 25317906.

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14. Whitehead TP, Havel C, Metayer C, Benowitz NL, and Jacob 3rd P. (2015) Tobacco alkaloids and tobacco-specific nitrosamines in dust from homes of smokeless tobacco users, active smokers and nontobacco users, *Chem Res Toxicol*, Article ASAP, March 20, 2015. DOI: 10.1021/acs.chemrestox.5b00040. PMID: 25794360.

Additional articles with Consortium investigators as co-authors

15. Apelberg BJ, Hepp LM, Avila-Tang E, Gundel AL, Hammond SK, Hovell MF, Hyland A, Klepeis NE, Madsen C, Navas-Acien A, Repace J, Samet JM, Breyse PN. (2013) Environmental monitoring of secondhand smoke exposure. *Tob Control* May; 22(3):147-55. doi: 10.1136/tobaccocontrol-2011-050301. epub 2012 Sep 4.

16. Gundel LA, Destailats H. (2012) Aerosol chemistry and physics: An indoor perspective. In *Aerosols Handbook: Measurements, dosimetry and health effects, 2nd Edition*, Editors: L. S. Ruzer and N.H. Harley, CRC Press, Boca Raton, FL. [ISBN: 9781439855102].

17. Hovell MF, Lessov-Schlaggar CN, Ding D. (2011) Smokefree community policies promote home smoking and unknown mechanisms and opportunities for preventive medicine. *Am J Prev Med* 41(6):650-652. DOI: <http://dx.doi.org/10.1016/j.amepre.2011.09.015>.

18. Kassem NO, Daffa RM, Liles S, Jackson SR, Kassem NO, Younis MA, Mehta S, Chen M, Jacob P 3rd, Carmella SG, Chatfield DA, Benowitz NL, Matt GE, Hecht SS, Hovell MF (2014). Children's exposure to secondhand and thirdhand smoke carcinogens and toxicants in homes of hookah smokers. *Nicotine Tob Res* Mar 3. PubMed PMID: 24590387. doi: 10.1093/ntr/ntu016.

19. Pinnameni K, Sievers RE, Sharma R, Selchau AM, Gutierrez G, Nordsiek EJ, Su R, An S, Chen Q, Wan X, Derakhshandeh R, Aschbacher K, Heiss C, Glantz SA, Schick SF, Springer ML. (2014). Brief exposure to secondhand smoke reversibly impairs endothelial vasodilatory function. *Nicotine Tob Res*, 16: 584-90 doi: 10.1093/ntr/ntt189, PMCID: PMC3977486.

20. Schick S, van den Vossenberg G, Luo A, Whitlatch A, Jacob III P, Balmes J and Shusterman D (2013). Thirty minute exposure to aged cigarette smoke increases nasal congestion in nonsmokers, *J Toxicol and Environ Health Part A: Current Issues*, 76:10, 601-613, doi: 10.1080/15287394.2013.800811.

21. Waldo SW, Brenner DA, McCabe, JM, Dela Cruz M, Long B, Narla VA, Park J, Kulkarni A, Sinclair E, Chan SY, Schick SF, Malik N, Ganz, P, Hsue, PY. (2015) A novel, minimally-invasive method to sample human endothelial cells for molecular profiling. *PLOS One*, in press.