

Last Updated July 2020

Refereed Papers and Articles

1. Martin-Fernandez M, García-Morato MB , Gruber C, Loza SM, Hayat Malik MN, Alsohime F, Alakeel A, Valdez R, Buta S, Buda G, Marti MA, Larralde M, Boisson B, Rodriguez MF, Qiu X, Chrabieh M, Al Ayed M, Al Muhsen S, Desai JV, Ferre EM, Rosenzweig SD, Amador-Borrero B, Bravo-Gallego LY, Olmer R, Merkert S, Bret M, Sood AK , Al-Rabiaah A , Temsah MH, Halwani R, **Hernandez M** , Pessler F, Casanova JL, Bustamante J, Lionakis MS , Bogunovic D. Systemic Type I IFN Inflammation in Human ISG15 Deficiency Leads to Necrotizing Skin Lesions. *Cell Rep* 2020 May 12;31(6):107633.
2. Ring B, Burbank AJ, Mills KH, Ivins S, Dieffenderfer J, **Hernandez ML**. Validation of an App-Based Portable Spirometer in Adolescents With Asthma. *J Asthma* 1-8 2019 Dec 10
3. Sood AK, Burbank AJ, Lawson M, Zhou H, Wells HB, Peden DB, **Hernandez ML**. Systemic inflammatory response to inhaled endotoxin does not correlate with airway response. *Respir Res*. 2019 Nov 12;20(1):252.
4. Burbank AJ, Vadlamudi A, Mills KH, Alt EM, Wells H, Zhou H, Alexis N, **Hernandez ML**, Peden DB. The glutathione-S-transferase mu-1 null genotype increases wood smoke-induced airway inflammation. *J Allergy Clin Immunol*. 2019 Jun;143(6):2299-2302
5. **Hernandez ML**. E-cigs: what are they and how are they impacting our youth? Published at <https://www.aaaai.org/conditions-and-treatments/library/allergy-library/electronic-cigarettes-allergy-asthma> Jan 2019
6. Robey BS, Eluri S, Reed CC, Jerath MR, **Hernandez ML**, Commins SP, Dellon ES. Subcutaneous immunotherapy in patients with eosinophilic esophagitis. *Ann Allergy Asthma Immunol* 2019 May;122(5):532-533.e3.
7. Sood AK, Burbank AJ, Duran CG, Enders K, Zhou H, Peden DB, **Hernandez ML**. Gamma tocopherol effect on LPS-induced sputum neutrophilia is not modified by BMI or GSTM1 genotype. *J Allergy Clin Immunol*. 2019 May;143(5):1937-1939.
8. Starliper N, Mohammadzadeh F, Songkakul T, **Hernandez M**, Bozkurt A, Lobaton E. Activity-Aware Wearable System for Power-Efficient Prediction of Physiological Responses. *Sensors (Basel)*. 2019 Jan 22;19(3).
9. **Hernandez ML**, Dhingra R, Burbank AJ, Todorich K, Loughlin CE, Frye M, Duncan K, Robinette C, Mills K, Devlin RB, Peden DB, Diaz-Sanchez D. Low-level ozone has both respiratory & systemic effects in African-American adolescents with asthma despite asthma controller therapy. *J Allergy Clin Immunol*. 2018 Dec;142(6):1974-1977.
10. Burbank AJ, Todorich K, Steele P, Rosen J, Zhou H, Frye M, Loughlin CE, Ivins S, Mills K, Dembnicki Massey L, Reeve BB, **Hernandez ML**. Age and African-American race impact the validity and reliability of The Asthma Control Test in persistent asthmatics. *Respir Res* 2018, Aug 15;19(1):152.

11. Steinbach E, **Hernandez ML**, Dellon ES. Eosinophilic esophagitis and the eosinophilic gastrointestinal diseases: Approach to Diagnosis and Management. *J Allergy Clin Immunol Pract.* 2018 Sep - Oct;6(5):1483-1495.
12. Wu EY, **Hernandez ML**, Jennette JC, Falk RJ. Eosinophilic Granulomatosis with Polyangiitis: Clinical Pathology Conference and Review. *J Allergy Clin Immunol Pract.* 2018 Sep - Oct;6(5):1496-1504
13. Immormino RM, Lauzier DC, Nakano H, **Hernandez ML**, Alexis NE, Ghio AJ, Tilley SL, Doerschuk CM, Peden DB, Cook DN, Moran TP. Neuropilin-2 regulates airway inflammatory responses to inhaled lipopolysaccharide. *Am J Physiol Lung Cell Mol Physiol.* 2018 Aug 1;315(2):L202-L211.
14. Sood AK, Kesic MJ, **Hernandez ML**. Electronic Cigarettes: One size does not fit all. *J Allergy Clin Immunol.* 2018; 141(6):1973-1982.
15. Burbank AJ, Duran CG, Pan Y, Burns P, Jones S, Jian Q, Yang C, Jenkins S, Wells H, Alexis N, Kesimer M, Bennett WD, Zhou Z, Peden DB, and **Hernandez ML**. Gamma tocopherol-enriched supplement reduces sputum eosinophilia and endotoxin-induced sputum neutrophilia in volunteers with asthma. *J Allergy Clin Immunol.* 2018; 141(4):1231-1238.
16. Burbank AJ, Sood A, Kesic MJ, Peden DB, and **Hernandez ML**. Environmental determinants of allergy and asthma in early life. *J Allergy Clin Immunol.* 2017; 140(1):1-12.
17. Burbank AJ, Duran CG, Almond M, Wells H, Jenkins S, Jiang Q, Yang C, Wang T, Zhou H, **Hernandez ML**, and Peden DB. A short course of gamma-tocopherol mitigates LPS-induced inflammatory responses in humans ex vivo. *J Allergy Clin Immunol.* 2017 May 12. PMID: 28506847.
18. Duran CG, Burbank AJ, Mills KH, Duckworth HR, Aleman MM, Kesic MJ, Peden DB, Pan Y, Zhou H, **Hernandez ML**. A proof-of-concept clinical study examining the NRF2 activator sulforaphane against neutrophilic airway inflammation. *Respir Res.* 2016 Jul 22;17(1):89
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