

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE  
Curriculum Vitae

Date: 08/07/2015

Blanca E. Himes, Ph.D.

Address: 219 Blockley Hall  
423 Guardian Drive  
Philadelphia, PA 19104 USA

If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:  
none (U.S. citizen)

Education:

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| 2001 | BS  | University of California, San Diego (UCSD) (Physics with Specialization in Computational Physics) |
| 2007 | PhD | Massachusetts Institute of Technology (MIT) (Medical Physics and Bioinformatics)                  |

Postgraduate Training and Fellowship Appointments:

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| 2007-2010 | Research Fellow in Biomedical Informatics, Harvard Medical School |
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Faculty Appointments:

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| 2010-2013    | Instructor in Medicine, Harvard Medical School, Boston, MA   |
| 2013-2014    | Assistant Professor in Medicine, Harvard Medical School, Boston, MA  |
| 2014-present | Assistant Professor of Epidemiology in Biostatistics and Epidemiology, University of Pennsylvania School of Medicine |

Hospital and/or Administrative Appointments:

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| 2010-2014 | Associate Bioinformaticist, Brigham and Women's Hospital, Boston, MA    |
| 2012-2014 | Associate Scientific Researcher, Boston Children's Hospital, Boston, MA |

Other Appointments:

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| 2008-2010    | Programmer/Analyst, Harvard Medical School and Harvard Pilgrim Health Care, Inc., Boston, MA  |
| 2011-2014    | Bioinformaticist, Partners HealthCare Personalized Medicine, Boston, MA   |
| 2014-present | Senior Scholar, Center for Clinical Epidemiology and Biostatistics, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA |
| 2014-present | Member, Graduate Group in Epidemiology and Biostatistics, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA           |

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| 2014-present | Member, Graduate Group in Genomics and Computational Biology, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA |
| 2014-present | Member, Institute for Biomedical Informatics, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA                 |
| 2015-present | Member, Center of Excellence in Environmental Toxicology, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA     |

Awards, Honors and Membership in Honorary Societies:

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| 2000 | Phi Beta Kappa   |
| 2000 | Ronald E. McNair Scholar   |
| 2001 | Presidential Fellowship, MIT   |
| 2001 | Shang-keng Ma Memorial Award, Presented at commencement to a physics student who has shown exceptional ability and promise, UCSD |
| 2007 | Student Leadership Award, Harvard-MIT Division of Health Sciences and Technology, MIT  |
| 2007 | Martinos Scholar Fellowship, Harvard-MIT Division of Health Sciences and Technology, MIT   |
| 2013 | Faculty Career Development Award, Brigham and Women's Hospital   |
| 2015 | McCabe Fund Pilot Award, University of Pennsylvania  |

Memberships in Professional and Scientific Societies and Other Professional Activities:

National:

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| 2007-Present | American Society of Human Genetics  |
| 2009-Present | American Thoracic Society (Section on Genetics and Genomics Nominating Committee Member 2014-2015<br>Assembly on Allergy, Immunology and Inflammation Early Career Professionals Working Group 2015-) |
| 2014-Present | American Medical Informatics Association  |

Editorial Positions:

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| 2010-Present | Ad hoc reviewer, Respiration                                  |
| 2010-Present | Ad hoc reviewer, European Respiratory Journal                 |
| 2010-Present | Ad hoc reviewer, BMC Medical Genetics                         |
| 2011-Present | Ad hoc reviewer, Proceedings of the American Thoracic Society |
| 2011-Present | Ad hoc reviewer, BMC Medical Informatics and Decision Making  |
| 2011-Present | Ad hoc reviewer, Bioinformatics                               |
| 2012-Present | Ad hoc reviewer, BMC Bioinformatics                           |
| 2012-Present | Ad hoc reviewer, Pharmacogenetics and Genomics                |

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| 2013-Present | Ad hoc reviewer, PLOS ONE   |
| 2014-Present | Ad hoc reviewer, The Pharmacogenomics Journal                               |
| 2014-Present | Ad hoc reviewer, BMC Research Notes   |
| 2014-Present | Ad hoc reviewer, American Journal of Respiratory Cell and Molecular Biology |
| 2014-Present | Ad hoc reviewer, Advances in Genomics and Genetics                          |
| 2014-Present | Ad hoc reviewer, Respiratory Research                                       |
| 2014-Present | Ad hoc reviewer, Chest  |
| 2014-Present | Ad hoc reviewer, Journal of Allergy and Clinical Immunology                 |
| 2015-Present | Ad hoc reviewer, Asthma Research and Practice                               |
| 2015-Present | Ad hoc reviewer, American Journal of Respiratory and Critical Care Medicine |

#### Academic and Institutional Committees:

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| 2006-2010    | Harvard-MIT Division of Health Sciences and Technology Ph.D. Admissions Committee, MIT  |
| 2008-2014    | Harvard-MIT Division of Health Sciences and Technology Forum Award Committee, Harvard Medical School  |
| 2011-2014    | Technology and Communication Subcommittee Co-Chair, Joint Committee on the Status of Women, Harvard Medical School                                |
| 2014-Present | Member, Genomics and Computational Biology Graduate Group Student Admissions Committee, Perelman School of Medicine, University of Pennsylvania   |
| 2015-Present | Member, Department of Biostatistics and Epidemiology, Epidemiology Recruitment Committee, Perelman School of Medicine, University of Pennsylvania |
| 2015-Present | Member, Institute for Biomedical Informatics Faculty Search Committee, Perelman School of Medicine, University of Pennsylvania                    |

#### Major Academic and Clinical Teaching Responsibilities:

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| 2000-2001 | UCSD Modern Physics Laboratory (Physics 2DL) Teaching Assistant (144 hrs). Audience: science and engineering undergraduates.                          |
| 2002      | MIT Project Interphase Physics Instructor (67 hrs). Audience: MIT freshmen from disadvantaged backgrounds.  |
| 2006      | MIT Introduction to Clinical Medicine (HST.201) Teaching Assistant (60 hrs). Audience: Medical Engineering/Medical Physics graduate students.         |
| 2007      | Harvard Medical School Summer Scholars in Bioinformatics and Integrative Genomics. Daily mentorship of undergraduate student Amy Dai for 9 weeks.     |
| 2007      | Harvard Medical School Summer Scholars in Bioinformatics and Integrative Genomics. Daily mentorship of undergraduate student Mark Ebbert for 9 weeks. |

- 2010 Harvard Medical School Summer Scholars in Bioinformatics and Integrative Genomics. Daily mentorship of undergraduate student Diego Borges-Rivera for 9 weeks.
- 2010-2014 Mentor, Graduate Women @ MIT (GWAMIT) Mentoring Program
- 2011 Harvard Medical School Summer Scholars in Bioinformatics and Integrative Genomics. Daily mentorship of undergraduate student Bailey Fay for 9 weeks.
- 2012-2013 Harvard Medical School Introduction to Biomedical Informatics I (BMI701)  
Guest lecturer (9 hrs). Audience: Master of Medical Sciences in Biomedical Informatics graduate students.
- 2012 Harvard School of Public Health Interdisciplinary Training in Pulmonary Sciences (EH513)  
Guest lecturer (1 hr). Audience: HSPH graduate students.
- 2013 MIT Biomedical Computing (6.872/HST.950)  
Guest lecturer (1.5 hrs). Audience: MIT graduate students.
- 2013 Harvard Medical School Summer Scholars in Bioinformatics and Integrative Genomics. Daily mentorship of undergraduate student Reid Whitaker for 9 weeks.
- 2013 Brigham and Women's Hospital Student Success Jobs Program. Daily mentorship of undergraduate student Raju Buchan for 10 weeks.
- 2013-2014 Mentor, Harvard Graduate Women In Science and Engineering Mentoring Program
- 2014 Harvard Medical School Introduction to Bioinformatics I: NGS - Data, Methods, Analysis and Implications (BMI714)  
Guest lecturer (6 hrs). Audience: Master of Medical Sciences in Biomedical Informatics graduate students.
- 2014 Brigham and Women's Hospital ABLE4STEM Program. Weekly mentorship of undergraduate student Sarah Auguste for 6 months.
- 2014 Brigham and Women's Hospital Student Success Jobs Program. Daily mentorship of undergraduate student Dougmawi Tewodrose for 10 weeks.
- 2014 Brigham and Women's Hospital Student Success Jobs Program. Daily mentorship of undergraduate student Roosendy Saint-Fort for 10 weeks.
- 2014-2015 University of Pennsylvania. Mentored undergraduate student Christopher Range as a research assistant (10-20 hrs/week).
- 2014-2015 University of Pennsylvania. Mentored Master of Public Health candidate student Jasmine Jones as a research assistant (10-20 hrs/week).
- 2014-2015 University of Pennsylvania. Mentored Master of Public Health candidate student Natasha Sastri as a research assistant (10-20 hours/week).

- 2014-Present University of Pennsylvania. Mentored Master of Biotechnology candidate student Jessica Levin as a research assistant (10-20 hours/week during school year; 40 hours/week during summer).
- 2015 University of Pennsylvania Pulmonary, Allergy, & Critical Care Division. Pulmonary and Critical Care Special Lecture on April 29. "Using Genomic Techniques to Better Understand Asthma"
- 2015 University of Pennsylvania Leonard Davis Institute of Health Economics, Summer Undergraduate Minority Research Program (SUMR). Weekly mentorship of undergraduate student Omar Mansour for 10 weeks.
- 2015 University of Pennsylvania Leonard Davis Institute of Health Economics, Summer Undergraduate Minority Research Program (SUMR). Weekly mentorship of undergraduate student Enrique Torres Hernandez for 10 weeks.

Lectures by Invitation:

- Jun, 2012 "A Genome-wide Association Study Identifies SPATS2L as a Novel Bronchodilator Response Gene", Brigham and Women's Hospital Collaborative Asthma Research Group Monthly Meeting, Boston, MA.
- Dec, 2012 "RNA-Seq Analysis Overview", Channing Division of Network Medicine OMICS Seminar, Brigham and Women's Hospital, Boston, MA.
- Jan, 2013 "Social Media in Academics", Joint Committee on the Status of Women Monthly Meeting, Harvard Medical School, Boston, MA.
- Feb, 2013 "Asthma Genetics and Genomics" Boston Children's Hospital Informatics Program Monthly Seminar, Boston, MA.
- May, 2013 "RNA-Seq Bioinformatics", Channing Division of Network Medicine Bioinformatics Seminar, Brigham and Women's Hospital, Boston, MA.
- Jan, 2014 "Using Genomic Techniques to Better Understand Asthma", University of Pennsylvania Institute for Biomedical Informatics Special Seminar, Philadelphia, PA.
- Jan, 2014 "Asthma Genetics and Genomics", University of California, San Diego Division of Biomedical Informatics Special Seminar, La Jolla, CA.
- Mar, 2014 "Genomic Approaches to Study Asthma", University of Pennsylvania Center for Clinical Epidemiology and Biostatistics Seminar, Philadelphia, PA.

Grants:

Current:

Integrative Genomics Approaches To Model The Genetic Architecture Of Asthma, NIH/NHLBI, 7-R00-HL-105663-05, 1/2015-6/2016 (BLANCA E HIMES, PI), \$140,314/annual direct costs, 80% effort (Role in grant: PI)

Past:

Identifying the Function of Asthma-Associated Genes by Perturbing the Airway Smooth Muscle Transcriptome, BWH Biomedical Research Institute, 7/2013-6/2014 (Himes, PI), \$30,000/annual direct costs, 25% effort (Role in grant: PI)

Integrative Genomics Approaches to Model the Genetic Architecture of Asthma, NIH/NHLBI, 7/2011-9/2014 (Himes, PI), \$134,336/annual direct costs, 75% effort (Role in grant: PI, Grant awarded to Brigham and Women's Hospital)

Bibliography:Research Publications, peer reviewed (print or other media):

1. Paulus MP, Hozack N, **Zauscher B**, McDowell JE, Frank L, Brown GG, Braff DL.: Prefrontal, parietal, and temporal cortex networks underlie decision-making in the presence of uncertainty. Neuroimage 13(1): 91-100, 2001.
2. Paulus MP, Hozack NE, **Zauscher BE**, Frank L, Brown GG, Braff DL, Schuckit MA.: Behavioral and functional neuroimaging evidence for prefrontal dysfunction in methamphetamine-dependent subjects. Neuropsychopharmacology 26(1): 53-63, 2002.
3. Paulus MP, Hozack NE, **Zauscher BE**, Frank L, Brown GG, McDowell J, Braff DL.: Parietal dysfunction is associated with increased outcome-related decision-making in schizophrenia patients. Biol Psychiatry 51(12): 995-1004, 2002.
4. Alwayn IP, Andersson C, **Zauscher B**, Gura K, Nose V, Puder M. Omega-3 fatty acids improve hepatic steatosis in a murine model: potential implications for the marginal steatotic liver donor.: Omega-3 fatty acids improve hepatic steatosis in a murine model: potential implications for the marginal steatotic liver donor. Transplantation 79(5): 606-8, 2005.
5. Alwayn IP, Gura K, Nose V, **Zauscher B**, Javid P, Garza J, Verbese J, Voss S, Ollero M, Andersson C, Bistran B, Folkman J, Puder M.: Omega-3 fatty acid supplementation prevents hepatic steatosis in a murine model of nonalcoholic fatty liver disease. Pediatr Res. 57(3): 445-52, 2005.
6. Dallabrida SM, Ismail N, Oberle JR, **Himes BE**, Rupnick MA.: Angiopoietin-1 promotes cardiac and skeletal myocyte survival through integrins. Circ Res. 2005;96(4):e8-24. Circ Res. 96(4): e8-24, 2005.
7. Javid PJ, Greene AK, Garza J, Gura K, Alwayn IP, Voss S, Nose V, Satchi-Fainaro R, **Zauscher B**, Mulkern RV, Jaksic T, Bistran B, Folkman J, Puder M.: The route of lipid administration affects parenteral nutrition-induced hepatic steatosis in a mouse model. J Pediatr Surg. 40(9): 1446-53, 2005.

8. Alwayn IP, Andersson C, Lee S, Arsenault DA, Bistran BR, Gura KM, Nose V, **Zauscher B**, Moses M, Puder M.: Inhibition of matrix metalloproteinases increases PPAR-alpha and IL-6 and prevents dietary-induced hepatic steatosis and injury in a murine model. Am J Physiol Gastrointest Liver Physiol. 291(6): G1011-9, 2006.
9. **Himes BE**, Kohane IS, Ramoni MF, Weiss ST: Characterization of patients who suffer asthma exacerbations using data extracted from electronic medical records. AMIA Annual Symposium proceedings Page: 308-12, 2008 Notes: conference paper that underwent peer review; oral presentation. PMID: PMC265929
10. **Himes BE**, Dai Y, Kohane IS, Weiss ST, Ramoni MF.: Prediction of chronic obstructive pulmonary disease (COPD) in asthma patients using electronic medical records. J Am Med Inform Assoc. 16(3): 371-9, 2009.
11. **Himes BE**, Hunninghake GM, Baurley JW, Rafaels NM, Sleiman P, Strachan DP, Wilk JB, Willis-Owen SA, Klanderman B, Lasky-Su J, Lazarus R, Murphy AJ, Soto-Quiros ME, Avila L, Beaty T, Mathias RA, Ruczinski I, Barnes KC, Celedon JC, Cookson WO, Gauderman WJ, Gilliland FD, Hakonarson H, Lange C, Moffatt MF, O'Connor GT, Raby BA, Silverman EK, Weiss ST.: Genome-wide association analysis identifies PDE4D as an asthma-susceptibility gene. Am J Hum Genet. 84(5): 581-93, 2009.
12. **Himes BE**, Wu AC, Duan QL, Klanderman B, Litonjua AA, Tantisira K, Ramoni MF, Weiss ST.: Predicting response to short-acting bronchodilator medication using Bayesian networks. Pharmacogenomics 10(9): 1393-412, 2009.
13. Ramoni RB, **Himes BE**, Sale MM, Furie KL, Ramoni MF. Predictive genomics of cardioembolic stroke. Stroke. 2009;40(3 Suppl):S67-70.
14. DeWan AT, Triche EW, Xu X, Hsu LI, Zhao C, Belanger K, Hellenbrand K, Willis-Owen SA, Moffatt M, Cookson WO, **Himes BE**, Weiss ST, Gauderman WJ, Baurley JW, Gilliland F, Wilk JB, O'Connor GT, Strachan DP, Hoh J, Bracken MB.: PDE11A associations with asthma: results of a genome-wide association scan. J Allergy Clin Immunol. 126(4): 871-873, 2010.
15. **Himes BE**, Lasky-Su J, Wu AC, Wilk JB, Hunninghake GM, Klanderman B, Murphy AJ, Lazarus R, Soto-Quiros ME, Avila L, Celedon JC, Lange C, O'Connor GT, Raby BA, Silverman EK, Weiss ST: Asthma-susceptibility variants identified using probands in case- control and family-based analyses. BMC Med Genet. 11: 122, 2010.

16. Hunninghake GM, Soto-Quirós ME, Avila L, Kim HP, Lasky-Su J, Rafaels N, Ruczinski I, Beaty TH, C, Sylvia JS, Klanderman BJ, Sharma SS, **Himes BE**, Bossley CJ, Israel E, Raby BA, Bush A, Choi AM, Weiss ST, Celedón JC.: TSLP Polymorphisms Are Associated With Asthma in a Sex-Specific Fashion. Allergy 65(12): 1566-75, 2010.
17. Melén E, **Himes BE**, Brehm JM, Boutaoui N, Klanderman BJ, Sylvia JS, Lasky-Su J.: Analyses of shared genetic factors between asthma and obesity in children. Am J Respir Crit Care Med. 126(3): 631-7, 2010.
18. Wu AC, **Himes BE**, Lasky-Su J, Litonjua A, Li L, Lange C, Lima J, Irvin CG, Weiss S.: Development of a Pharmacogenetic Predictive Test in Asthma: Proof of Concept. Pharmacogenet Genomics. 20(2): 86-93, 2010.
19. Brehm JM, Hagiwara K, Tesfaigzi Y, Bruse S, Mariani TJ, Bhattacharya S, Boutaoui N, Ziniti JP, Soto-Quiros ME, Avila L, Cho MH, **Himes B**, Litonjua AA, Jacobson F, Bakke P, Gulsvik A, Anderson WH, Lomas DA, Forno E, Datta S, Silverman EK, Celedón JC.: Identification of FGF7 as a novel susceptibility locus for chronic obstructive pulmonary disease. Thorax 66(12): 1085-90, 2011.
20. Duan QL, Gaume BR, Hawkins GA, **Himes BE**, Bleecker ER, Klanderman B, Irvin CG, Peters SP, Meyers DA, Hanrahan JP, Lima JJ, Litonjua AA, Tantisira KG, Liggett SB.: Regulatory Haplotypes in ARG1 are Associated with Altered Bronchodilator Response. Am J Respir Crit Care Med. 183(4): 449-54, 2011.
21. Harada M, Hirota T, Jodo AI, Hitomi Y, Sakashita M, Tsunoda T, Miyagawa T, Doi S, Kameda M, Fujita K, Miyatake A, Enomoto T, Noguchi E, Masuko H, Sakamoto T, Hizawa N, Suzuki Y, Yoshihara S, Adachi M, Ebisawa M, Saito H, Matsumoto K, Nakajima T, Mathias RA, Rafaels N, Barnes KC, **Himes BE**, Duan QL, Tantisira KG, Weiss ST, Nakamura Y, Ziegler SF, Tamari M.: Thymic Stromal Lymphopoietin Gene Promoter Polymorphisms are Associated with Susceptibility to Bronchial Asthma. Am J Respir Cell Mol Biol. 44(6): 787-93, 2011.
22. **Himes BE**, Klanderman B, Kohane IS, Weiss ST: Assessing the Reproducibility of Asthma Genome-wide Association Studies in a General Clinical Population. J Allergy Clin Immunol 127(4): 1067-9, 2011.
23. **Himes BE**, Klanderman B, Ziniti J, Senter-Sylvia J, Soto-Quiros ME, Avila L, Celedón JC, Lange C, Mariani TJ, Lasky-Su J, Hersh CP, Raby BA, Silverman EK, Weiss ST, Demeo DL.: Association of SERPINE2 with Asthma. Chest 140(3): 667-74, 2011.



24. Hirota T, Takahashi A, Kubo M, Tsunoda T, Tomita K, Doi S, Fujita K, Miyatake A, Enomoto T, Miyagawa T, Adachi M, Tanaka H, Niimi A, Matsumoto H, Ito I, Masuko H, Sakamoto T, Hizawa N, Taniguchi M, Lima JJ, Irvin CG, Peters SP, **Himes BE**, Litonjua AA, Tantisira KG, Weiss ST, Kamatani N, Nakamura Y, Tamari M.: Genome-wide association study identifies three new susceptibility loci for adult asthma in the Japanese population. Nat Genet. 43(9): 893-6, 2011.
25. Hunninghake GM, Chu JH, Sharma SS, Cho MH, **Himes BE**, Rogers AJ, Murphy A, Carey VJ, Raby BA.: The CD4+ T-cell Transcriptome and Serum IgE in Asthma: IL17RB and The Role of Sex. BMC Pulm Med. 11: 17, 2011.
26. Lange NE, Zhou X, Lasky-Su J, **Himes BE**, Lazarus R, Soto-Quiros M, Avila L, Celedon JC, Hawrylowicz CM, Raby BA, Litonjua AA.: Comprehensive Genetic Assessment of a Functional TLR9 Promoter Polymorphism: No Replicable Association with Asthma or Asthma-Related Phenotypes. BMC Med Genet. 12(1): 26, 2011.
27. Sharma S, Murphy A, Howrylak J, **Himes B**, Cho MH, Chu JH, Hunninghake GM, Fuhlbrigge A, Klanderman B, Ziniti J, Senter-Sylvia J, Liu A, Szeffler SJ, Strunk R, Castro M, Hansel NN, Diette GB, Vonakis BM, Adkinson NF Jr, Carey VJ, Raby BA.: The Impact of Self-Identified Race on Epidemiologic Studies of Gene Expression. Genet Epidemiol. 35(2): 93-101, 2011.
28. Tantisira KG, Lasky-Su J, Harada M, Murphy A, Litonjua AA, **Himes BE**, Lange C, Lazarus R, Sylvia J, Klanderman B, Duan QL, Qiu W, Hirota T, Martinez FD, Mauger D, Sorkness C, Szeffler S, Lazarus SC, Lemanske RF Jr, Peters SP, Lima JJ, Nakamura Y, Tamari M, Weiss ST.: Genomewide association between GLCCI1 and response to glucocorticoid therapy in asthma. N Engl J Med. 365(13): 1173-83, 2011.

29. Torgerson DG, Ampleford EJ, Chiu GY, Gauderman WJ, Gignoux CR, Graves PE, **Himes BE**, Levin AM, Mathias RA, Hancock DB, Baurley JW, Eng C, Stern DA, Celedón JC, Rafaels N, Capurso D, Conti DV, Roth LA, Soto-Quiros M, Toghias A, Li X, Myers RA, Romieu I, Berg DJ, Hu D, Hansel NN, Hernandez RD, Israel E, Salam MT, Galanter J, Avila PC, Avila L, Rodriguez-Santana JR, Chapela R, Rodriguez-Cintron W, Diette GB, Adkinson NF, Abel RA, Ross KD, Shi M, Faruque MU, Dunston GM, Watson HR, Mantese VJ, Ezurum SC, Liang L, Ruczinski I, Ford JG, Huntsman S, Chung KF, Vora H, Li X, Calhoun WJ, Castro M, Sienna-Monge JJ, Del Rio-Navarro B, Deichmann KA, Heinzmann A, Wenzel SE, Busse WW, Gern JE, Lemanske RF Jr, Beaty TH, Bleecker ER, Raby BA, Meyers DA, London SJ; Children's Health Study (CHS) and HARBORS study, Gilliland FD; Genetics of Asthma in Latino Americans (GALA) Study, the Study of Genes- Environment and Admixture in Latino Americans (GALA2) and the Study of African Americans, Asthma, Genes & Environments (SAGE), Burchard EG; Childhood Asthma Research and Education (CARE) Network, Martinez FD; Childhood Asthma Management Program (CAMP), Weiss ST; Study of Asthma Phenotypes and Pharmacogenomic Interactions by Race-Ethnicity (SAPPHIRE), Williams LK; Genetic Research on Asthma in the African Diaspora (GRAAD) Study, Barnes KC, Ober C, Nicolae DL.: Meta-analysis of genome-wide association studies of asthma in ethnically diverse North American populations. *Nat Genet.* 43(9): 887-92, 2011.
30. Xu M, Tantisira KG, Wu A, Litonjua AA, Chu JH, **Himes BE**, Damask A, Weiss ST.: Genome Wide Association Study to Predict Severe Asthma Exacerbations in Children using Random Forests Classifiers. *BMC Med Genet.* 12(1): 90, 2011.
31. Cho MH, Castaldi PJ, Wan ES, Siedlinski M, Hersh CP, Demeo DL, **Himes BE**, Sylvia JS, Klanderman BJ, Ziniti JP, Lange C, Litonjua AA, Sparrow D, Regan EA, Make BJ, Hokanson JE, Murray T, Hetmanski JB, Pillai S, Kong X, Anderson WH, Tal-Singer R, Lomas DA, Coxson HO, Edwards LD, Macnee W, Vestbo J, Yates JC, Agusti A, Calverley PM, Celli B, Crim C, Rennard S, Wouters E, Bakke P, Gulsvik A, Crapo JD, Beaty TH, Silverman EK; on behalf of the ICGN, ECLIPSE, and COPDGene, Investigators.: A Genome- Wide Association Study of COPD Identifies a Susceptibility Locus on Chromosome 19q13. *Hum Mol Genet.* 21(4): 947-57, 2012.
32. Forno E, Lasky-Su J, **Himes B**, Howrylak J, Ramsey C, Brehm J, Klanderman B, Ziniti J, Melén E, Pershagen G, Wickman M, Martinez F, Mauger D, Sorkness C, Tantisira K, Raby BA, Weiss ST, Celedón JC.: Genome-wide association study of the age of onset of childhood asthma. *J Allergy Clin Immunol.* 130(1): 83-90, 2012.

33. Granada M, Wilk JB, Tuzova M, Strachan DP, Weidinger S, Albrecht E, Gieger C, Heinrich J, **Himes BE**, Hunninghake GM, Celedón JC, Weiss ST, Cruikshank WW, Farrer LA, Center DM, O'Connor GT.: A genome-wide association study of plasma total IgE concentrations in the Framingham Heart Study. J Allergy Clin Immunol. 129(3): 840-845, 2012.
34. **Himes BE**, Jiang X, Hu R, Wu AC, Lasky-Su JA, Klanderman BJ, Ziniti J, Senter-Sylvia J, Lima JJ, Irvin CG, Peters SP, Meyers DA, Bleecker ER, Kubo M, Tamari M, Nakamura Y, Szeffler SJ, Lemanske RF Jr, Zeiger RS, Strunk RC, Martinez FD, Hanrahan JP, Koppelman GH, Postma DS, Nieuwenhuis MA, Vonk JM, Panettieri RA Jr, Markezich A, Israel E, Carey VJ, Tantisira KG, Litonjua AA, Lu Q, Weiss ST: Genome-Wide Association Analysis in Asthma Subjects Identifies SPATS2L as a Novel Bronchodilator Response Gene. PLOS Genet 8(7), 2012.
35. Lasky-Su J\*, **Himes BE\***, Raby BA, Klanderman BJ, Sylvia JS, Lange C, Melen E, Martinez FD, Israel E, Gauderman J, Gilliland F, Sleiman P, Hakonarson H, Celedón JC, Soto-Quiros M, Avila L, Lima JJ, Irvin CG, Peters SP, Boushey H, Chinchilli VM, Mauger D, Tantisira K, Weiss ST; and for the SHARP investigators.: HLA-DQ strikes again: Genome-wide association study further confirms HLA-DQ in the diagnosis of asthma among adults. Clin Exp Allergy 42(12): 1724-33, 2012 Notes: \*Equal contribution.
36. Levin AM, Mathias RA, Huang L, Roth LA, Daley D, Myers RA, **Himes BE**, Romieu I, Yang M, Eng C, Park JE, Zoratti K, Gignoux CR, Torgerson DG, Galanter JM, Huntsman S, Nguyen EA, Becker AB, Chan-Yeung M, Kozyrskyj AL, Kwok PY, Gilliland FD, Gauderman WJ, Bleecker ER, Raby BA, Meyers DA, London SJ, Martinez FD, Weiss ST, Burchard EG, Nicolae DL, Ober C, Barnes KC, Williams LK.: A meta-analysis of genome-wide association studies for serum total IgE in diverse study populations. J Allergy Clin Immunol 131(4): 1176-84, 2012.
37. Myers RA, **Himes BE**, Gignoux CR, Yang JJ, Gauderman WJ, Rebordosa C, Xie J, Torgerson DG, Levin AM, Baurley J, Graves PE, Mathias RA, Romieu I, Roth LA, Conti D, Avila L, Eng C, Vora H, Lenoir MA, Soto-Quiros M, Liu J, Celedón JC, Farber HJ, Kumar R, Avila PC, Meade K, Serebrisky D, Thyne S, Rodriguez-Cintron W, Rodriguez-Santana JR, Borrell LN, Lemanske RF Jr, Bleecker ER, Meyers DA, London SJ, Barnes KC, Raby BA, Martinez FD, Gilliland FD, Williams LK, Burchard EG, Weiss ST, Nicolae DL, Ober C.: Further Replication Studies of the EVE Consortium Meta-Analysis Identifies 2 Asthma Risk Loci in European Americans. J Allergy Clin Immunol. 130(6): 1294-301, 2012.

38. Sharma S, Poon A, **Himes BE**, Lasky-Su J, Sordillo JE, Belanger K, Milton DK, Bracken MB, Triche EW, Leaderer BP, Gold DR, Litonjua AA.: Association of variants in innate immune genes with asthma and eczema. *Pediatr Allergy Immunol* 23(4): 315-23, 2012.
39. Xu JF, Washko GR, Nakahira K, Hatabu H, Patel AS, Fernandez IE, Nishino M, Okajima Y, Yamashiro T, Ross JC, Estépar RS, Diaz AA, Li HP, Qu JM, **Himes BE**, Come CE, D'Aco K, Martinez FJ, Han MK, Lynch DA, Crapo JD, Morse D, Ryter SW, Silverman EK, Rosas IO, Choi AM, Hunninghake GM; the COPDGene Investigators.: Statins and Pulmonary Fibrosis: The Potential Role of NLRP3 Inflammasome Activation. *Am J Respir Crit Care Med*. 185(5): 547-56, 2012.
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Abstracts:

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