

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE  
Curriculum Vitae

Date: 05/17/2017

Blanca E. Himes, Ph.D.

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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:

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:

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

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 Informatics in Biostatistics and Epidemiology, University of Pennsylvania School of Medicine

Hospital and/or Administrative Appointments:

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

Other Appointments:

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

Awards, Honors and Membership in Honorary Societies:

2000	Ronald E. McNair Scholar
2000	Phi Beta Kappa
2001	Shang-keng Ma Memorial Award, Presented at commencement to a physics student who has shown exceptional ability and promise, UCSD
2001	Presidential Fellowship, MIT

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

Memberships in Professional and Scientific Societies and Other Professional Activities:

<u>National:</u>	
2007-Present	American Society of Human Genetics (ASHG)
2009-Present	American Thoracic Society (ATS) (Section on Genetics and Genomics Nominating Committee Member 2014-2015 Assembly on Allergy, Immunology and Inflammation Early Career Professionals Working Group 2015-Present Section on Genetics and Genomics Co-Chair 2016-Present)
2014-Present	American Medical Informatics Association (AMIA)
2015	National Institutes of Health, Biomedical Computing and Health Informatics (BCHI) Study Section (Member, temporary)
2016	National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI) Mentored Patient Oriented Research (MPOR) Review Group (Member, temporary)
2016-Present	Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
2017	National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Special Emphasis Panel, High Impact and Interdisciplinary Science (RC2) Review Group (Member)

Editorial Positions:

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, Bioinformatics
2011-Present	Ad hoc reviewer, BMC Medical Informatics and Decision Making
2011-Present	Ad hoc reviewer, Proceedings of the American Thoracic Society
2012-Present	Ad hoc reviewer, BMC Bioinformatics
2012-Present	Ad hoc reviewer, Pharmacogenetics and Genomics
2013-Present	Ad hoc reviewer, PLOS ONE
2014-Present	Ad hoc reviewer, BMC Research Notes
2014-Present	Ad hoc reviewer, Respiratory Research
2014-Present	Ad hoc reviewer, Chest
2014-Present	Ad hoc reviewer, Journal of Allergy and Clinical Immunology
2014-Present	Ad hoc reviewer, The Pharmacogenomics Journal
2014-Present	Ad hoc reviewer, American Journal of Respiratory Cell and Molecular Biology
2014-Present	Ad hoc reviewer, Advances in Genomics and Genetics
2015-Present	Ad hoc reviewer, American Journal of Respiratory and Critical Care Medicine
2015-Present	Ad hoc reviewer, BMC Pediatrics
2015-Present	Ad hoc reviewer, BMC Pulmonary Medicine
2015-Present	Ad hoc reviewer, Asthma Research and Practice
2016-Present	Ad hoc reviewer, BMC Genetics
2016-Present	Ad hoc reviewer, Human Heredity
2016-Present	Ad hoc reviewer, Journal of Racial and Ethnic Health Disparities
2016-Present	Ad hoc reviewer, New England Journal of Medicine
2017-Present	Ad hoc reviewer, Nature Communications

2017-Present Ad hoc reviewer, Genetic Epidemiology

Academic and Institutional Committees:

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 Faculty 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

2015-Present Member, Graduate Group in Epidemiology and Biostatistics Student Admissions Committee, Perelman School of Medicine, University of Pennsylvania

2015-Present Epidemiology Ph.D. Admissions Chair 2016-Present

2015-Present Member, Joint Genetics / Institute for Biomedical Informatics Faculty Search Committee, Perelman School of Medicine, University of Pennsylvania

2015-Present Member, Department of Biostatistics and Epidemiology, Genetic Epidemiology Faculty Recruitment Committee, Perelman School of Medicine, University of Pennsylvania

2015-2016 Member, Nominating Committee, Faculty Senate, University of Pennsylvania

2016-Present Member, Department of Biostatistics and Epidemiology, Injury Epidemiology Faculty Recruitment Committee, Perelman School of Medicine, University of Pennsylvania

2016-Present Member, Certificate Program in Biomedical Informatics Executive Committee, University of Pennsylvania

2016-Present Member, Next-Generation High Performance Computing Workgroup, Perelman School of Medicine, University of Pennsylvania

2016-Present Advisory Committee Member, Graduate Student SACNAS Chapter, Perelman School of Medicine, University of Pennsylvania

2016-Present Member, Graduate Group in Epidemiology and Biostatistics Award Committee, Perelman School of Medicine, University of Pennsylvania

2017 Member, Leveraging Health Data Committee/Strategic Planning Effort, University of Pennsylvania

2017-Present Member, Faculty Advisory Committee for On-site Child Care, University of Pennsylvania

Major Academic and Clinical Teaching Responsibilities:

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).
2014-2016	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. 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.
2015-Present	University of Pennsylvania. Data Science for Biomedical Informatics (EPID 600). Course Director (42 hours each year). Audience: UPenn students, postdocs, and faculty from various masters programs and graduate groups, including epidemiology.
2015	University of Pennsylvania Center of Excellence in Environmental Toxicology (CEET) Seminar Series. September 17. "Genetic Epidemiology of Asthma"

2015	University of Pennsylvania Pulmonary, Allergy, & Critical Care and Allergy and Immunology Divisions Research Conference. December 9. "Measuring Transcriptomes with RNA-Seq"
2015-Present	Thesis committee member for Cheng Jia, PhD Candidate in Biostatistics, Graduate Group in Epidemiology and Biostatistics, University of Pennsylvania
2015	Lab Rotation Supervisor for Todd Miano, PhD Candidate in Epidemiology, Graduate Group in Epidemiology and Biostatistics, University of Pennsylvania
2015-Present	University of Pennsylvania. Mentored Pre-Health Program student Rebecca Greenblatt as a research assistant (10-20 hours/week during school year; 30 hours/week during summer).
2016	Hospital of the University of Pennsylvania (HUP). Allergy & Immunology Conference. January 29. "Asthma Genetics"
2016	University of Pennsylvania Biotechnology Master's Program Independent Study (BIOT 599). Course Director (42 hours). Student: Rui Hong.
2016-Present	University of Pennsylvania. Mentored undergraduate student Laila Balkhi as a research assistant (10-20 hours/week during school year).
2016-Present	University of Pennsylvania. Mentored undergraduate student Edward Zhao as a research assistant (10-20 hours/week during school year).
2016-Present	University of Pennsylvania. Introduction to Genetic Epidemiology (EPID 575). Guest Lecturer (3 hours each year). Audience: Penn students, primarily from epidemiology PhD program.
2016	University of Pennsylvania. Public Health Certificate Program (PHCP) Seminar Series. March 16. "Asthma as a Model Disease for Public Health Informatics"
2016-2017	Thesis committee member for Edwin Yoo, PhD Candidate in Pharmacology, Pharmacology Graduate Group, University of Pennsylvania
2016	University of Pennsylvania. 11th Annual Center of Excellence in Environmental Toxicology (CEET) Symposium. June 15. "Genomic and Environmental Approaches to Study Asthma"
2016-Present	PhD Thesis Supervisor for Sherrie Xie VMD/PhD Candidate in Epidemiology, Graduate Group in Epidemiology and Biostatistics, University of Pennsylvania
2016	University of Pennsylvania Leonard Davis Institute of Health Economics, Summer Undergraduate Minority Research Program (SUMR). Weekly mentorship of undergraduate student Kareha Agesa for 10 weeks.
2016	University of Pennsylvania. Summer Undergraduate Minority Research (SUMR) Program orientation speaker. June 1. "Advice For a Successful Research Experience"
2016	University of Pennsylvania. Summer Undergraduate Internship Program (SUIP) seminar speaker. June 29. "Genomic and Environmental Approaches to Study Asthma"
2016-Present	K23 advisory committee member for Fran Balamuth MD, PhD, MSCE, Assistant Professor of Pediatrics, University of Pennsylvania Perelman School of Medicine; Division of Emergency Medicine and Center for Pediatric Clinical Effectiveness, Children's Hospital of Philadelphia
2016-Present	University of Pennsylvania. Doctoral Seminar: Epidemiology in a Changing World (EPID 700). Guest Lecturer (3 hours). Audience: Penn students, primarily from epidemiology PhD program.
2016-Present	Thesis committee member for Gary Weissman MD, MS Candidate in Health Policy Research, University of Pennsylvania
2016-Present	Thesis committee member for Tiffanie Jones MD, MS in Clinical Epidemiology Candidate, University of Pennsylvania
2017	University of Pennsylvania Pulmonary, Allergy, & Critical Care and Allergy and Immunology Divisions Research Conference. March 15. "Measuring the Airway Smooth Muscle Transcriptome Response to Glucocorticoid Treatment with RNA-Seq"

2017-Present University of Pennsylvania. Applied Regression Analysis for Health Policy Research (HPR 608). Guest Lecturer (1.5 hours each year). Audience: Penn students, primarily M.S. in Health Policy Research candidates.

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 "A Study of Asthma Pharmacogenomics Using RNA-Seq", Pharmacogenomics Research Network (PGRN) Statistical Analysis Resource (P-STAR) Analysis Workshop, Austin, TX

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.

Oct, 2013 "Transcriptome Profiling of Human Airway Smooth Muscle Cells Stimulated with Dexamethasone Identifies CRISPLD2 as a Regulator of Steroid and Immune Response", American Society of Human Genetics (ASHG) 63rd Annual Meeting, Boston, MA

Dec, 2013 "The Effect of Vitamin D on the Airway Smooth Muscle Cell Transcriptome of Fatal Asthma Patients", Pharmacogenomics Research Network (PGRN) Statistical Analysis Resource (P-STAR) Analysis Workshop 2013, Nashville, TN

Jan, 2014 "Asthma Genetics and Genomics", University of California, San Diego Division of Biomedical Informatics Special Seminar, La Jolla, CA.

Jan, 2014 "Using Genomic Techniques to Better Understand Asthma", University of Pennsylvania Institute for Biomedical Informatics Special Seminar, Philadelphia, PA.

Mar, 2014 "Genomic Approaches to Study Asthma", University of Pennsylvania Center for Clinical Epidemiology and Biostatistics Seminar, Philadelphia, PA.

May, 2015 "Vitamin D Modulates Expression of the Airway Smooth Muscle Transcriptome in Fatal Asthma," American Thoracic Society (ATS) 2015 International Conference, Denver, CO

Sep, 2015 "Precision Medicine in Asthma", Institute for Computational Biology Symposium 2015, Case Western Reserve University, Cleveland, OH

Oct, 2015 "Biomedical Informatics Approaches to Study Asthma", 2015 Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) National Conference, Washington, DC

May, 2016 "Demographic and Socioeconomic Determinants of Asthma in the US," American Thoracic Society (ATS) 2016 International Conference, San Francisco, CA

May, 2016 "SOCS1 and SOCS3 Modulate Immune Response in the Airway Smooth Muscle," American Thoracic Society (ATS) 2016 International Conference, San Francisco, CA

May, 2016 "Much Ado About Something: Introduction to Social Media," American Thoracic Society (ATS) 2016 International Conference, San Francisco, CA

Mar, 2017 "Health Information Technologies for Pediatrics Research," Child Health Research Series, Icahn School of Medicine at Mt. Sinai, New York, NY

Apr, 2017 "How to Succeed in Academia," Graduate Research Day Keynote Speech, University of Tennessee College of Graduate Health Sciences, Memphis, TN

Organizing Roles in Scientific Meetings:

May, 2015	Session Co-Chair, "Genetic Signatures of Asthma: Key to Endotypes?," American Thoracic Society (ATS) 2015 International Conference Denver, CO
Oct, 2015	Organizer and Session Chair, Striving to Understand Asthma and Reduce Disparities, 2015 Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) National Conference Washington, DC
May, 2016	Session Co-Chair, "Genetics and Genomics of COPD," American Thoracic Society (ATS) 2016 International Conference San Francisco, CA
Jun, 2016	Session Moderator, Symposium on Advances in Genomics, Epidemiology & Statistics (SAGES): "From Phenotype to Genotype & Everything In-Between: New Computational Tools for Disease Gene Discovery" Philadelphia, PA
Oct, 2016	Planning Committee Member, Mid-Atlantic Bioinformatics Conference: Computational Challenges for Precision Medicine Philadelphia, PA
Jan, 2017	Program Committee Member, Pacific Symposium on Biocomputing (PSB), Precision Medicine: From Genotypes And Molecular Phenotypes Towards Improved Health And Therapies Session Big Island, HI
Mar, 2017	Reviewer, AMIA Joint Summits on Translational Science San Francisco
Nov, 2017	Reviewer, AMIA 2017 Annual Symposium Washington, D.C.

Grants:Current:

Particulate Matter Pollution in Philadelphia and its Association with Asthma Exacerbations, Pilot award from the Center of Excellence in Environmental Toxicology (CEET) derived from P30-ES013508, 5/2017-4/2018 (Himes, PI), \$40,000/annual direct costs (Role in grant: PI)

CEBPD-Medicated Mechanism of Glucocorticoid Insensitivity in Severe Asthma, NIH/NHLBI, HL133433, 4/2017-3/2022 (Himes, PI), \$475,514/annual direct costs, 50% effort (Role in grant: PI)

Past:

The Airway Smooth Muscle Transcriptome Response to Glucocorticoid Exposure in Severe Asthma, Center of Excellence for Diversity in Health Education and Research Minority Faculty Scholar Award, 7/2015-6/2016 (Himes, PI), \$30,000/annual direct costs (Role in grant: PI)

The Airway Smooth Muscle Transcriptome Response to Glucocorticoid Exposure in Severe Asthma, McCabe Fund Pilot Award, 7/2015-6/2016 (Himes, PI), \$19,323/annual direct costs (Role in grant: PI)

Integrative Genomics Approaches To Model The Genetic Architecture Of Asthma, NIH/NHLBI, R00-HL105663, 1/2015-3/2017 (Himes, PI), \$138,209/annual direct costs, 80% effort (Role in grant: PI)

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, Verbesey J, Voss S, Ollero M, Andersson C, Bistrrian 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, Bistrrian 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, Bistrrian 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: proceeding represents original peer-reviewed research. PMID: PMC2655929
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. 40(3 Suppl): S67-70, 2009.
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-Quiros 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.
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