

A. NAME

Leonelo E. Bautista

B. FORMAL EDUCATION

1987-1993 DrPH, Epidemiology
The Johns Hopkins School of Hygiene and Public Health
Baltimore, MD

1983-1985 MPH, Epidemiology
Universidad Autónoma de Santo Domingo
Dominican Republic

1975-1983 MD
Universidad Autónoma de Santo Domingo
Dominican Republic

C. POSITIONS HELD

2009-present Associate Professor, Department of Population Health Sciences, University
of Wisconsin, Madison, WI

2003-2009 Assistant Professor, Department of Population Health Sciences, University
of Wisconsin, Madison, WI

2003-2013 Adjunct Professor, Department of Preventive Medicine and Biometrics,
Uniformed Services University of the Health Sciences, Bethesda, MD

2001-2003 Assistant Professor, Department of Preventive Medicine and Biometrics,
Uniformed Services University of the Health Sciences, Bethesda, MD

2002 Adjunct Professor, University of Maryland University College, Adelphi, MD.

1996-2001 Chairman, Ethics Research Committee, Eastern Colombia Cardiovascular
Foundation, Bucaramanga, Colombia

1993-2003 Associate Professor, Department of Public Health and Preventive Medicine,
Universidad Industrial de Santander, Bucaramanga, Colombia

1993-2001 Director, Cardiovascular Research Center, Eastern Colombia Cardiovascular
Foundation, Bucaramanga, Colombia

1986-1987 Associate Researcher, National Maternal and Child Health Research Center,
Santo Domingo, Dominican Republic

1986-1987 Assistant Professor, Department of Public Health, Universidad Autónoma de Santo Domingo, Santo Domingo, Dominican Republic

D. HONORS AND AWARDS

- 2011 Professor Emeritus, School of Medicine, Universidad Autónoma de Santo Domingo, Dominican Republic.
- 2002 Outstanding Educator Award, in recognition of teaching excellence, MPH Class of 2002, Department of Preventive Medicine and Biometrics, Uniformed Services University of the Health Sciences
- 2001 Colombian National Academy of Medicine, XII Aventis Award, Best Research Proposal, *“Inflammatory, autonomic, and endothelial markers of survival among patients with a first acute myocardial infarction”*
- 2001 Regional Anesthesia National Research Award, Colombian Society of Anesthesiology, *“Timing of crystalloid administration and incidence of cardiovascular side effects during spinal anesthesia: Results from a randomized controlled trial”*
- 2000 “Fernando Zambrano” Honor Mention, Colombian Society of Epidemiology, *“Instruments for the assessment of nutrient intake in adults from Bucaramanga, Colombia”*
- 1997 Colombian Society of Epidemiology, Dr. Fernando Zambrano Award, Best Original Research, *“Effects of dietary cholesterol and palmitic acid on plasma lipoproteins”*
- 1996 The Colombian Academy of Medicine National Research Award, Mention of Honor, *“Colombian National Neuroepidemiology Survey, 1995”*
- 1995 The Colombian Academy of Medicine National Research Award, First Place (1995), *“Dental care associated with an outbreak of HIV infection among dialysis patients”*
- 1987 Fulbright-LASPAU Scholarship
- 1983 Dr. Fernando Alberto Defilló Award, School of Medicine, Universidad Autónoma de Santo Domingo (Best medical student of his class)
- 1983 Cum Laude Graduate, School of Medicine, Universidad Autónoma de Santo Domingo

E. SOCIETY MEMBERSHIPS

Society for Epidemiologic Research

F. PUBLICATIONS

a. Refereed Publications

1. **Bautista LE.** On the temporal association of outbreaks of Zika virus infection, newborn microcephaly, and Guillain-Barré syndrome. *Journal of Public Health and Emergency*; July 2017 2017. Available at <http://jphe.amegroups.com/article/view/4037>.
2. **Bautista LE.** Maternal Zika virus infection and newborn microcephaly —An analysis of the epidemiological evidence. *Ann Epidemiol* 2017. Dec 14. pii: S1047-2797(17)30283-1. doi: 10.1016/j.annepidem.2017.11.010. [Epub ahead of print]
3. **Bautista LE, Sethi AK.** Association between Guillain-Barre syndrome and Zika virus infection. *Lancet* 2016; **387**: 2599-600
4. Tedla YG, **Bautista LE.** Drug side effect symptoms and adherence to antihypertensive medication. *Am J Hypertension*. 2016; 29: 772-779.
5. Tedla YG, **Bautista LE.** Response to "Antihypertensive Drug-Related Side Effects: Is It the Unique Indicator for Nonadherence?"_. *Am J Hypertens* 2016;29:663-663.
6. **Bautista LE.** Calcium and linoleic acid supplements in the prevention of pre-eclampsia. *Colombia Médica; Vol 47, No 1 (2016)* 2016; **47**: 69.
7. Cardiovascular Disease Risk Factors in Hispanic Adolescents in South Texas. Cooper SP, Shipp EM, Del Junco DJ, Cooper CJ, **Bautista LE**, Levin J. *Southern Medical Journal*. 2016; 109(2):130-6.
8. Rodríguez-Villamizar LA, González BE, Vera LM, Patz J, **Bautista LE.** Environmental and occupational health research and training needs in Colombia: A Delphi study. *Biomédica: Revista del Instituto Nacional de Salud*. 2015; 35 Spec:58-65. PubMed [journal] PMID: 26535742.
9. Shin JI, **Bautista LE**, Walsh MC, Malecki KC, Nieto FJ. Food insecurity and dyslipidemia in a representative population-based sample in the US. *Preventive medicine*. 2015; 77:186-90. NIHMSID: NIHMS693810 PubMed [journal] PMID: 26007296, PMCID: PMC4608370.
10. Wang L, **Bautista LE.** Serum bilirubin and the risk of hypertension. *International Journal of Epidemiology*. 2015; 44(1):142-52. PubMed [journal] PMID: 25541554.
11. Cardiovascular disease, chronic kidney disease, and diabetes mortality burden of cardiometabolic risk factors from 1980 to 2010: a comparative risk assessment. *The Lancet. Diabetes & endocrinology*. 2014; 2(8):634-47. NIHMSID: NIHMS699839 PubMed [journal] PMID: 24842598, PMCID: PMC4572741.
12. Danaei G, Singh GM, Paciorek CJ, Lin JK, Cowan MJ, et al. The global cardiovascular risk transition: associations of four metabolic risk factors with national income, urbanization, and Western diet in 1980 and 2008. *Circulation*. 2013; 127(14):1493-502, 1502e1-8. NIHMSID: NIHMS460757 PubMed [journal] PMID: 23481623, PMCID: PMC4181853.
13. Miranda JJ, Herrera VM, Chirinos JA, Gómez LF, Perel P, et al. Major cardiovascular risk factors in Latin America: a comparison with the United States. *The Latin American Consortium of Studies in Obesity (LASO). PloS one*. 2013; 8(1):e54056. PubMed [journal] PMID: 23349785, PMCID: PMC3547948.
14. **Bautista LE**, Vera-Cala LM, Ferrante D, Herrera VM, Miranda JJ, et al. A 'polypill' aimed at preventing cardiovascular disease could prove highly cost-effective for use in Latin America. *Health affairs (Project Hope)*. 2013;32(1):155-64. PubMed [journal] PMID: 23297283.

15. Bautista LE. Plasma HDL cholesterol and risk of myocardial infarction. *Lancet* (London, England). 2012; 380(9858):1990-1; author reply 1991. PubMed [journal] PMID: 23217858.
16. Stevens GA, Singh GM, Lu Y, Danaei G, Lin JK, et al. National, regional, and global trends in adult overweight and obesity prevalences. *Population health metrics*. 2012; 10(1):22. PubMed [journal] PMID: 23167948, PMCID: PMC3543235.
17. Baumgartner J, Zhang Y, Schauer JJ, Ezzati M, Patz JA, et al. Household air pollution and children's blood pressure. *Epidemiology* (Cambridge, Mass.). 2012; 23(4):641-2. PubMed [journal] PMID: 22659548.
18. Fan C, Nieto FJ, Bautista LE, Fine JP. Vitamin D intake and cardiovascular mortality in the NHANES I epidemiological follow-up study cohort. *Journal of Dietary Supplements*. 2012; 9(2):79-89. PubMed [journal] PMID: 22607643.
19. León FJ, Rondón F, Vargas CI, Oróstegui M, Bautista L, et al. Analysis of population genetic structure from Bucaramanga (Colombia) based on gene polymorphisms associated with the regulation of blood pressure. *Colombia Médica*. (Cali, Colombia). 2012; 43(2):154-61. PubMed [journal] PMID: 24893057, PMCID: PMC4001939.
20. Bautista LE, Vera-Cala LM, Colombo C, Smith P. Symptoms of depression and anxiety and adherence to antihypertensive medication. *American journal of hypertension*. 2012; 25(4):505-11. PubMed [journal] PMID: 22258334, PMCID: PMC3588114.
21. Holmes MV, Newcombe P, Hubacek JA, Sofat R, Ricketts SL, et al. Effect modification by population dietary folate on the association between MTHFR genotype, homocysteine, and stroke risk: a meta-analysis of genetic studies and randomised trials. *Lancet* (London, England). 2011; 378(9791):584-94. PubMed [journal] PMID: 21803414, PMCID: PMC3156981.
22. Baumgartner J, Schauer JJ, Ezzati M, Lu L, Cheng C, et al. Indoor air pollution and blood pressure in adult women living in rural China. *Environmental health perspectives*. 2011; 119(10):1390-5. PubMed [journal] PMID: 21724522, PMCID: PMC3230444.
23. Danaei G, Finucane MM, Lu Y, Singh GM, Cowan MJ, et al. National, regional, and global trends in fasting plasma glucose and diabetes prevalence since 1980: systematic analysis of health examination surveys and epidemiological studies with 370 country-years and 2·7 million participants. *Lancet* (London, England). 2011; 378(9785):31-40. PubMed [journal] PMID: 21705069.
24. Vera-Cala LM, Orostegui M, Valencia-Angel LI, López N, Bautista LE. Accuracy of the Omron HEM-705 CP for blood pressure measurement in large epidemiologic studies. *Arquivos Brasileiros de Cardiologia*. 2011; 96(5):393-8. PubMed [journal] PMID: 21468531.
25. Finucane MM, Stevens GA, Cowan MJ, Danaei G, Lin JK, et al. National, regional, and global trends in body-mass index since 1980: systematic analysis of health examination surveys and epidemiological studies with 960 country-years and 9·1 million participants. *Lancet* (London, England). 2011; 377(9765):557-67. NIHMSID: NIHMS699867 PubMed [journal] PMID: 21295846, PMCID: PMC4472365.
26. Farzadfar F, Finucane MM, Danaei G, Pelizzari PM, Cowan MJ, et al. National, regional, and global trends in serum total cholesterol since 1980: systematic analysis of health examination surveys and epidemiological studies with 321 country-years and 3·0 million participants. *Lancet* (London, England). 2011; 377(9765):578-86. PubMed [journal] PMID: 21295847.
27. Danaei G, Finucane MM, Lin JK, Singh GM, Paciorek CJ, et al. National, regional, and global trends in systolic blood pressure since 1980: systematic analysis of health

- examination surveys and epidemiological studies with 786 country-years and 5.4 million participants. *Lancet* (London, England). 2011; 377(9765):568-77. PubMed [journal] PMID: 21295844.
28. Chow CK, Islam S, Bautista L, Rumboldt Z, Yusufali A, et al. Parental history and myocardial infarction risk across the world: the INTERHEART Study. *Journal of the American College of Cardiology*. 2011; 57(5):619-27. PubMed [journal] PMID: 21272754.
 29. Baumgartner J, Schauer JJ, Ezzati M, Lu L, Cheng C, et al. Patterns and predictors of personal exposure to indoor air pollution from biomass combustion among women and children in rural China. *Indoor Air*. 2011; 21(6):479-88. PubMed [journal] PMID: 21692855.
 30. Bautista LE, Vera LM. Antihypertensive effects of aspirin: what is the evidence? *Current hypertension reports*. 2010; 12(4):282-9. PubMed [journal] PMID: 20524092.
 31. Bautista LE. *Chronic Disease Epidemiology and Control*. 3rd ed. Remington PL, Brownson RC, Wegner MV, editors. Washington, DC: American Public Health Association; 2010. Chapter 11, High Blood Pressure; p.335-362. [book] .
 32. Bautista LE, Stein JH, Morgan BJ, Stanton N, Young T, et al. Association of blood and hair mercury with blood pressure and vascular reactivity. *WMJ : official publication of the State Medical Society of Wisconsin*. 2009; 108(5):250-2. NIHMSID: NIHMS188606 PubMed [journal] PMID: 19743756, PMCID: PMC4593490.
 33. Bautista LE. Genetic and pharmacogenetic associations between NOS3 polymorphisms, blood pressure, and cardiovascular events in hypertension. *American Journal of Hypertension*. 2009; 22(7):697. PubMed [journal] PMID: 19543305.
 34. Schmitz KJ, Skinner HG, Bautista LE, Fingerlin TE, Langefeld CD, et al. Association of 25-hydroxyvitamin D with blood pressure in predominantly 25-hydroxyvitamin D deficient Hispanic and African Americans. *American Journal of Hypertension*. 2009; 22(8):867-70. NIHMSID: NIHMS196685 PubMed [journal] PMID:19444222, PMCID: PMC2865679.
 35. Bautista LE. Blood pressure-lowering effects of statins: who benefits? *Journal of Hypertension*. 2009; 27(7):1478-84. PubMed [journal] PMID: 19365283.
 36. Bautista LE, Casas JP, Herrera VM, Miranda JJ, Perel P, et al. The Latin American Consortium of Studies in Obesity (LASO). *Obesity reviews : an official journal of the International Association for the Study of Obesity*. 2009; 10(3):364-70. NIHMSID: UKMS5012 PubMed [journal] PMID: 19438980, PMCID: PMC2687094.
 37. Herrera VM, Casas JP, Miranda JJ, Perel P, Pichardo R, et al. Interethnic differences in the accuracy of anthropometric indicators of obesity in screening for high risk of coronary heart disease. *International Journal of Obesity*. 2009; 33(5):568-76. NIHMSID: UKMS5011 PubMed [journal] PMID: 19238159, PMCID: PMC2687093.
 38. Bautista LE, Correa A, Baumgartner J, Breyse P, Matanoski GM. Indoor charcoal smoke and acute respiratory infections in young children in the Dominican Republic. *American Journal of Epidemiology*. 2009; 169(5):572-80. PubMed [journal] PMID: 19126589.
 39. Bautista LE, Vargas CI, Oróstegui M, Gamarra G. Population-based case-control study of renin-angiotensin system genes polymorphisms and hypertension among Hispanics. *Hypertension Research : official journal of the Japanese Society of Hypertension*. 2008; 31(3):401-8. PubMed [journal] PMID: 18497458.

40. Bautista LE. Predictors of persistence with antihypertensive therapy: results from the NHANES. *American Journal of Hypertension*. 2008; 21(2):183-8. PubMed [journal] PMID: 18188161.
41. Stolzmann KL, Bautista LE, Gangnon RE, McElroy JA, Becker BN, et al. Trends in kidney transplantation rates and disparities. *Journal of the National Medical Association*. 2007; 99(8):923-32. PubMed [journal] PMID: 17722672, PMCID: PMC2574300.
42. Lanas F, Avezum A, Bautista LE, Diaz R, Luna M, et al. Risk factors for acute myocardial infarction in Latin America: the INTERHEART Latin American study. *Circulation*. 2007; 115(9):1067-74. PubMed [journal] PMID: 17339564.
43. Casas JP, Cavalleri GL, Bautista LE, Smeeth L, Humphries SE, et al. Endothelial nitric oxide synthase gene polymorphisms and cardiovascular disease: a HuGE review. *American Journal of Epidemiology*. 2006; 164(10):921-35. PubMed [journal] PMID: 17018701.
44. Bautista LE, Oróstegui M, Vera LM, Prada GE, Orozco LC, et al. Prevalence and impact of cardiovascular risk factors in Bucaramanga, Colombia: results from the Countrywide Integrated Noncommunicable Disease Intervention Programme (CINDI/CARMEN) baseline survey. *European Journal of Cardiovascular Prevention and Rehabilitation: official journal of the European Society of Cardiology, Working Groups on Epidemiology & Prevention and Cardiac Rehabilitation and Exercise Physiology*. 2006; 13(5):769-75. PubMed [journal] PMID: 17001217.
45. Bautista LE. Associations of microalbuminuria with inflammation markers in hypertensive men. *American Journal of Hypertension*. 2006; 19(5):467. PubMed [journal] PMID: 16647615.
46. Bautista LE, Smeeth L, Hingorani AD, Casas JP. Estimation of bias in nongenetic observational studies using "mendelian triangulation". *Annals of Epidemiology*. 2006; 16(9):675-80. PubMed [journal] PMID: 16621596.
47. Hatzigeorgiou C, Taylor AJ, Feuerstein IM, Bautista L, O'Malley PG. Antioxidant vitamin intake and subclinical coronary atherosclerosis. *Preventive Cardiology*. 2006; 9(2):75-81. PubMed [journal] PMID: 16603825.
48. Casas JP, Shah T, Cooper J, Hawe E, McMahon AD, et al. Insight into the nature of the CRP-coronary event association using Mendelian randomization. *International Journal of Epidemiology*. 2006; 35(4):922-31. PubMed [journal] PMID: 16565153.
49. Bautista L. Association of periodontitis with blood pressure. *Blood pressure*. 2005; 14(6):383; author reply 384. PubMed [journal] PMID: 16403693.
50. Herrán OF, Bautista LE. Calidad de la dieta de la población adulta de Bucaramanga y su patrón alimentario. *Colombia Médica (Cali, Colombia)*. 2005; 36(2):94-102.
51. Yusuf S, Hawken S, Ounpuu S, Bautista L, Franzosi MG, et al. Obesity and the risk of myocardial infarction in 27,000 participants from 52 countries: a case-control study. *Lancet (London, England)*. 2005; 366(9497):1640-9. PubMed [journal] PMID: 16271645.
52. Bautista LE. Association of C-reactive protein with blood pressure. *Arteriosclerosis, Thrombosis, and vascular biology*. 2005; 25(9):e137; author reply e137-8. PubMed [journal] PMID: 16127023.
53. Bautista LE, Herrán OF, Pryer JA. Development and simulated validation of a food-frequency questionnaire for the Colombian population. *Public Health Nutrition*. 2005; 8(2):181-8. PubMed [journal] PMID: 15877911.
54. Casas JP, Bautista LE, Smeeth L, Sharma P, Hingorani AD. Homocysteine and stroke: evidence on a causal link from mendelian randomisation. *Lancet (London, England)*. 2005; 365(9455):224-32. PubMed [journal] PMID: 15652605

55. Casas JP, Hingorani AD, Bautista LE, Sharma P. Meta-analysis of genetic studies in ischemic stroke: thirty-two genes involving approximately 18,000 cases and 58,000 controls. *Archives of Neurology*. 2004; 61(11):1652-61. PubMed [journal] PMID: 15534175.
56. Bautista LE, Atwood JE, O'Malley PG, Taylor AJ. Association between C-reactive protein and hypertension in healthy middle-aged men and women. *Coronary Artery Disease*. 2004; 15(6):331-6. PubMed [journal] PMID: 15346091.
57. Bautista LE, Ardila ME, Gamarra G, Vargas CI, Arenas IA. Angiotensin-converting enzyme gene polymorphism and risk of myocardial infarction in Colombia. *Medical Science Monitor : international medical journal of experimental and clinical research*. 2004; 10(8):CR473-9. PubMed [journal] PMID: 15277998.
58. Casas JP, Bautista LE, Humphries SE, Hingorani AD. Endothelial nitric oxide synthase genotype and ischemic heart disease: meta-analysis of 26 studies involving 23028 subjects. *Circulation*. 2004; 109(11):1359-65. PubMed [journal] PMID: 15007011.
59. Cubillos-Garzón LA, Casas JP, Morillo CA, Bautista LE. Congestive heart failure in Latin America: the next epidemic. *American heart journal*. 2004; 147(3):412-7. PubMed [journal] PMID: 14999188.
60. Bautista LE, Arenas IA, Peñuela A, Martínez LX. Total plasma homocysteine level and risk of cardiovascular disease: a meta-analysis of prospective cohort studies. *Journal of Clinical Epidemiology*. 2002; 55(9):882-7. PubMed [journal] PMID: 12393075.
61. Bautista LE, Vera-Cala LM, Villamil L, Silva SM, Peña IM, et al. [Risk factors associated with the prevalence of arterial hypertension in adults in Bucaramanga, Colombia]. *Salud Pública de México*. 2002; 44(5):399-405. PubMed [journal] PMID:12389482.
62. Mojica JL, Meléndez HJ, Bautista LE. The timing of intravenous crystalloid administration and incidence of cardiovascular side effects during spinal anesthesia: the results from a randomized controlled trial. *Anesthesia and Analgesia*. 2002; 94(2):432-7, table of contents. PubMed [journal] PMID: 11812714.
63. Pradilla G, Vesga BE, Leon-Sarmiento FE, Bautista LE, Núñez LC, et al. [Neuroepidemiology in the Eastern Region of Colombia]. *Revista de Neurología*. 2002; 34(11):1035-43. PubMed [journal] PMID: 12134301.
64. Ramírez CE, Rivera JJ, Cabezas MC, Bautista LE, Uribe JA. *Guías de Práctica Clínica Basadas en la Evidencia*. 1st ed. Bogotá, Colombia: Asociación Colombiana de Facultades de Medicina; 2001. [book] .
65. Accini JL, Sotomayor A, Trujillo F, Barrera JG, Bautista L, et al. Colombian study to assess the use of noninvasive determination of endothelium-mediated vasodilatation (CANDEV). Normal values and factors associated. *Endothelium : Journal of Endothelial Cell Research*. 2001; 8(2):157-66. PubMed [journal] PMID: 11572477.
66. Bautista LE, Herrán OF, Serrano C. Effects of palm oil and dietary cholesterol on plasma lipoproteins: results from a dietary crossover trial in free-living subjects. *European Journal of Clinical Nutrition*. 2001; 55(9):748-54. PubMed [journal] PMID: 11528488.
67. López-Jaramillo P, Casas JP, Bautista L, Serrano NC, Morillo CA. An integrated proposal to explain the epidemic of cardiovascular disease in a developing country. From socioeconomic factors to free radicals. *Cardiology*. 2001; 96(1):1-6. PubMed [journal] PMID: 11701934.
68. Rosselli D, Ardila A, Pradilla G, Morillo L, Bautista L, et al. [The Mini-Mental State Examination as a selected diagnostic test for dementia: a Colombian population study.

- GENECO]. *Revista de Neurologia*. 2000; 30(5):428-32. PubMed [journal] PMID: 10775968.
69. Herrán OF, Bautista LE. Calidad de la dieta en Bucaramanga, Colombia. 1998-2003: Patrón alimentario en 1998. *Salud UIS*. 1998; 35:63.
 70. Bautista LE. [Factors associated with the initiation of breast feeding by women in the Dominican Republic]. *Revista Panamericana de Salud Pública = Pan American Journal of Public Health*. 1997; 1(3):200-7. PubMed [journal] PMID: 9162588.
 71. Bautista LE, Oróstegui M. Dental care associated with an outbreak of HIV infection among dialysis patients. *Revista Panamericana de Salud Pública = Pan American Journal of Public Health*. 1997; 2(3):194-202. PubMed [journal] PMID:9390318.
 72. Bautista LE. [Duration of breast-feeding in the Dominican Republic]. *Boletín de la Oficina Sanitaria Panamericana. Pan American Sanitary Bureau*. 1996; 120(5):414-24. PubMed [journal] PMID: 8782496.
 73. Bautista LE. ["Razón relativa" and "tasa relativa" as translations of odds ratio and hazard ratio]. *Boletín de la Oficina Sanitaria Panamericana. Pan American Sanitary Bureau*. 1995; 119(3):278-82. PubMed [journal] PMID: 7576189.

Patents

- Herrán OF, Bautista LE. NutCalc, Version 1.2. Colombia Book 13, Volume 8, Entry 036. 2001 October 24. [patent].
- Herrán OF, Bautista LE. NutCalc + AlcoCalc, Version 2.0. Colombia Book 13, Volume 14, Entry 334. 2005 July 07. [patent] .

b. Papers in preparation

1. **Bautista LE**, Herrera VM. An assessment of public health surveillance of Zika virus infection and potentially associated outcomes in Latin America. (Under review).
2. **Bautista LE**. Zika virus infection and risk of Guillain-Barré syndrome: A quantitative review. (Under review).
3. **Bautista LE, Bajwa P, Palloni A, Malecki K**. Hair cortisol and hypertension in the Study of the Health of Wisconsin.
4. Vera LM, **Bautista LE**. Cost-effectiveness of strategies to increase hypertension awareness, treatment, and control in preventing cardiovascular diseases in Latin America.
5. Vera LM, **Bautista LE**. Recalibration of the Framingham Equation (FrEq) for Predicting Cardiovascular Risk in Latin America.
6. **Bautista LE**, Oróstegui M. Obesity and progression to higher blood pressure stages in a Colombian cohort.

c. Publications in non-indexed journals

1. Duran AE, **Bautista LE**. [Model to predict mortality in pediatric cardiac surgery patients using preoperative prognostic factors]. *Cardiología al Día* 2000; 3: 47-53 (in Spanish).
2. **Bautista LE**, Arenas IA, Peñuela A, Martínez LX. Homocysteine and risk of cardiovascular disease: A meta-analysis of cohort studies. *Cardiología al Día* 2000; 3: 54-60.

3. Arenas IA, **Bautista LE**, Casas JP. Plasma Fibrinogen levels and Risk of Coronary Heart Disease: Epidemiological and Biological Evidences. *Cardiol al dia* 3(3): 86-90, 2000.
4. **Bautista LE**, Casas JP, Arenas IA, Lopez-Jaramillo P. A Novel Hypothesis: Is Endothelial Dysfunction an Independent Risk Factor for Essential Hypertension? *Cardiol al dia* 3(4): 54-56, 2000.
5. González R, Hernández H, **Bautista LE**, Morillo C. Safety of primary angioplasty and coronary stenting in acute myocardial infarction. *Cardiología al Día* 1999; 2(1): 5-12.
6. **Bautista LE**, Vera LM, Villamil L, Silva SM, Peña IM, Luna LV. [Risk factors associated to the prevalence of arterial hypertension in adults from Bucaramanga, Colombia]. *Cardiología al Día* 2(2): 54-60, 1999.
7. **Bautista LE**, Luengas C, Arenas I. Prediction of exercise capacity based on a population specific activity questionnaire. *Cardiología al Día* 1(2): 58-63, 1998.
8. Chávez AM, Melo G, **Bautista LE**, Vesga BE. [Changes in cardiac morphology related to physical exercise]. *Salud UIS* 29(1): 76-81, 1998 (in Spanish).
9. **Bautista LE**. [The effect of beta-blockers on mortality in low and high-risk patients with acute myocardial infarction]. *Cardiología al Día* 1998; 1: 82-84.
10. **Bautista LE**. [Cardiovascular mortality trends in Colombia and Santander, 1980-1996]. Bucaramanga: Panamerican Health Organization, ICIB, UIS; 2000 (Report; in Spanish).
11. **Bautista LE**, Oróstegui M, Prada GE, Herran OF, Vera-Cala LM, Orozco LC. [Prevalence of risk factors for non-transmissible chronic diseases in Bucaramanga, Colombia. CARMEN Baseline Survey]. Universidad Industrial de Santander, Bucaramanga. 2000 (Report; in Spanish).
12. **Bautista LE**, Vera LM, Guaracao AI, Pastora A. [Prevalence of cardiovascular risk factors in workers from ECOPETROL living in Bucaramanga]. Bucaramanga, Colombia: Universidad Industrial de Santander; 1999 (Report; in Spanish).

d. Books and Chapters in Books

Bautista LE. High Blood Pressure. In Brownson RC, Remington PL, Davis JR: Chronic disease epidemiology and control. 3rd Edition. **Chapter 9**. 2008.

Herrán OF, **Bautista LE**. [Food composition table for Bucaramanga, Colombia] 2nd Ed. UIS, MINSALUD, COLCIENCIAS. Colombia, 2003 (ISBN 958-8187-036) (in Spanish).

Ramírez CE, Rivera JJ, Cabezas MC, **Bautista LE**, Uribe JA. [Management of burn injuries: Evidence based clinical practice guidelines]. Instituto de Seguros Sociales (ISS), Asociación Colombiana de Facultades de Medicina (ASCOFAME). Santafé de Bogotá. 1997 (in Spanish).

Bautista LE, Peña B. [Human Anatomy: A Self-Evaluation Handbook, Volumes 1 and 2]. Editorial Universitaria, Universidad Autónoma de Santo Domingo, Santo Domingo, República Dominicana. 1985 (in Spanish).

e. Abstracts and Posters

1. **Bautista LE**, Herrera VM, Casas JP, Miranda J, Perel P, Pichardo R, Gonzalez A, Sanchez JR, Ferreccio C, Aguilera X, Silva E, Oróstegui M, Gomez LF, Chirinos JA,

- Medina-Lezama J, Pérez CM, Suárez E, Ortiz AP, Rosero L, Schapochnik N, Ortiz Z, Ferrante D, Diaz M on behalf of the investigators of the Latin-American Consortium of Studies in Obesity (LASO). Obesity and blood pressure: Ethnicity does matter. *Circulation* 2009 (Joint Conference - 49th Cardiovascular Disease Epidemiology and Prevention - and - Nutrition, Physical Activity, and Metabolism).
2. **Herrera VM**, Casas JP, Miranda J, Perel P, Pichardo R, Gonzalez A, Sanchez JR, Ferreccio C, Aguilera X, Silva E, Oróstegui M, Gomez LF, Chirinos JA, Medina-Lezama J, Pérez CM, Suárez E, Ortiz AP, Rosero L, Schapochnik N, Ortiz Z, Ferrante D, Diaz M, **Bautista LE**, on behalf of the investigators of the Latin-American Consortium of Studies in Obesity (LASO). Ethnic-specific effects of fasting glucose on hypertension in men but not in women. *Circulation* 2009 (Joint Conference - 49th Cardiovascular Disease Epidemiology and Prevention - and - Nutrition, Physical Activity, and Metabolism).
 3. **Bautista LE**, Stein J, Morgan B, Stanton N, Young T, Nieto J. Blood and Hair Hg Levels Increase Blood Pressure But Do Not Affect Vascular Reactivity. *ATVB Annual Conference* 2007, p. 252.
 4. **Bautista LE**, on behalf of LASO investigators. Optimal cut points for anthropometric indexes of obesity to identify high risk of coronary heart disease in Latin American population. *Am J Epidemiol* 2007; 165 (Suppl): S205.
 5. **Bautista LE**, **Herrera VM**, Casas JP, Oróstegui M, Schapochnik N, Ferreccio C, Rosero L, Pichardo R, Sanchez JR, Silva, E. Gender specific prevalence of cardiovascular risk factors in Latin America: Results from LASO. *J Heart Dis* 2007, 5(1): 9 (Abstract).
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23. Casas JP, Cubillos-Garzón L, Villa-Roel C, Silva F, Parra M, Arenas I, Rodriguez L, **Bautista LE**, Morillo C. Quality of care and cardiovascular events in AMI patients from a developing country. *Circulation* 106: e123, 2002 (Abstract).
24. **Bautista LE**, Arenas IA, Peñuela A, Martínez LX. Total Plasma Homocysteine and Risk of Cardiovascular Disease: A Meta-analysis of Prospective Cohort Studies. Annual Scientific Meeting. INTERHEART investigators, Phuket, Thailand, 2001.

25. Pradilla G, Vesga B, León F, **Bautista LE**, Nuñez LC, Gamboa N, Vesga E, Vera LM. [Neuroepidemiologic study in Aratoca, Santander]. *Acta Médica Colombiana* 2000; 25 (2): 286 (in Spanish).
26. **Bautista LE**, Orozco Vargas LC, Vera LM. [Validity of the mini-mental state examination for screening of dementia]. *Acta Médica Colombiana* 2000; 25 (5): 285 (in Spanish).
27. Vera LM, **Bautista LE**. [Prevalence and association between obesity and arterial hypertension among adults]. *Acta Médica Colombiana* 1998; 23 (4): S218.

g. Patents

1. NutCalc, Version 1.20. *Book 13, Volume 8, Entry 036*. October 24, 2001. Ministry of Interior and Justice, Colombia.
2. NutCalc + AlcoCalc, Versión 2.0. *Book 13, Volume 14, Entry 334*. July 7, 2005. Ministry of Interior and Justice, Colombia.

G. INVITED RESEARCH PRESENTATIONS

Bautista LE. Migration and Health in Latin America. Presented WUN Meeting. Migration and Health. Cape Town University, South Africa, March 31st, 2014.

Bautista LE. The Latin American Studies of Obesity (LASO): Methods and Findings. Presented at WUN Meeting. Strengthening the evidence base for public health action in societies under transitions through development and application of advanced methodologies. University of Leeds, UK. July 12th, 2012.

Bautista LE. Prevalencia de Factores de Riesgo y Prevención de Enfermedades Cardiovasculares en América Latina: Resultados de LASO. Presented at VI Jornada de Investigación: Enfermedades Crónicas No Transmisibles. Universidad Autónoma de Santo Domingo, Septiembre 2011.

Bautista LE. The Latin American Studies of Obesity (LASO): Methods and findings. Presented at University of Puerto Rico/ The University of Texas M. D. Anderson Cancer Center (MDACC). Population-Based Studies in Hispanics. Methodological Issues in Cancer Research. San Juan, Puerto Rico, August 25th, 2011.

Bautista LE. Hypertension in Latin America: Knowledge, Treatment, and Control. XI Congreso Internacional del Instituto Dominicano de Cardiología. Santo Domingo, Septiembre 2010.

Bautista LE, Herrera M. Interethnic Differences in the Accuracy of Anthropometric Indicators of Obesity in screening for High Risk Coronary Heart Disease. Presented at 2nd Annual Medical Education Conference, Doctors Hospital at Renaissance. South Padre Island, Texas. September 11, 2010

Bautista LE, Vera-Cala LM, Casas JP, Ferrante D. Combined Pharmacotherapy and Prevention of Cardiovascular Diseases in Latin America. Hemispheric Meeting of the Social

Protection and Health Network. Improving Chronic Disease Prevention and Management in Latin America and the Caribbean. October 1st, 2010, Santiago de Chile.

Shipp EM, Cooper SP, del Junco DJ, Cooper CJ, Levin JL, **Bautista LE**, Ponder S. The Migrant Adolescent WorkLife Study. Health and Safety in Western Agriculture Conference. Cle Elum, WA, November, 2008.

Bautista LE. QOL and Depression as Determinants of Treatment Adherence in Hypertensive Patients. Presented at the Wisconsin Primary Care Research Forum, 2007.

Cooper SP, Shipp EM, del Junco DJ, Cooper CJ, Levin JL, **Bautista LE**, Ponder S. 2007. Migrant Adolescent WorkLife Study (Poster) Work Life 2007: Protecting and Promoting Worker Health: A National Symposium. Bethesda, MD, September 10-11.

Cooper SP, Shipp EM, del Junco DJ, Cooper CJ, Levin JL, **Bautista LE**, Ponder S. 2007. Migrant Adolescent WorkLife Study. 17th Annual Midwest Stream Farmworker Health Forum, San Antonio, TX. December 6-8, 2007

Bautista LE, Oróstegui M, Vera LM, Prada GE, Orozco LC, Herran OF. [Prevalence and impact of major cardiovascular risk factors in Bucaramanga, Colombia. Results from the CARMEN baseline survey]. LATINCLEN IX, 2005, Buenos Aires, Argentina (in Spanish). Oróstegui M, **Bautista LE**, Vera M, Prada GE, Orozco LC, Herran OF. [Prevalence of hypertension, smoking and alcohol intake in Bucaramanga, Colombia] LATINCLEN VIII, 2004. Santiago, Chile (in Spanish).

Bautista LE. Public Health Surveillance of Emerging Chronic Disease in Developing Countries. Presented at the Scientific Meeting of the *Central American Network for the Prevention and Control of Emerging and Reemerging Diseases* (RECACER), 2004, Dominican Republic.

Herrán OF, **Bautista LE**. [Diet quality in Bucaramanga, Colombia, 1998-2003], *Perspectivas en Nutrición Humana. Memorias Segundo Coloquio Internacional y 3 Nacional de Investigación en Alimentación y Nutrición*. Medellín, Colombia, Agosto 2004 (in Spanish).

Bautista LE, Herran OF. [Nutcalc 1.2: Software for calculating nutritional intake from a Food Frequency Questionnaire for Bucaramanga, Colombia]. *Sociedad Latinoamericana de Nutrición, SLAN*. November 9-13, 2003. Acapulco, México (in Spanish).

Bautista LE, Herran OF. [Validity and reproducibility of a food frequency questionnaire for Bucaramanga, Colombia]. *Sociedad Latinoamericana de Nutrición, SLAN*. November 9-13, 2003. Acapulco, México (in Spanish).

Bautista LE, Herran OF. [Methodology for the design of a food frequency questionnaire]. *Sociedad Latinoamericana de Nutrición, SLAN*. November 9-13, 2003. Acapulco, México (in Spanish).

Herran OF, **Bautista LE**, Quintero DC. [Food composition table for Bucaramanga, Colombia]. Sociedad Latinoamericana de Nutrición, SLAN. November 9-13, 2003. Acapulco, México (in Spanish).

Ardila ME, **Bautista LE**, Gamarra G, Vargas CI, Arenas I. Angiotensin-converting enzyme gene polymorphism and risk of acute myocardial infarction (AMI) in the Colombian population. INCLLEN Global Meeting. February 2003. Kunming, China.

Bautista LE, Herrán O. [Effects of dietary palmitic acid and cholesterol on lipid profile]. IX Jornada Colombiana de Epidemiología, ASOCEPI 1998, Santafé de Bogotá (in Spanish).

H. RESEARCH SUPPORT

a. Active and Completed Support as Principal Investigator

Ongoing Research Support

Bautista, LE (Principal Investigator)

Funding Agency: UW-CDHA

6/1/2014 - 6/1/2018

Study: “Chronic Psychosocial Stress and Risk of Metabolic Syndrome”

Description: This ongoing study evaluates whether hair cortisol is independently associated with components of the metabolic syndrome and whether it mediates the effect of socioeconomic status on components of the metabolic syndrome (obesity, high blood pressure, and dyslipidemia).

Bautista, LE (Co-PI)

Funding Agency: Colciencias

2010 - 2018

Study: “INEFAC II: Una cohorte para monitorizar la incidencia de enfermedades cardiovasculares, diabetes mellitus tipo 2 y sus factores de riesgo en una población Colombiana”.

Description: The goal of this study is to quantify the association of multiple risk factors with the incidence of cardiovascular events and diabetes and in random sample of the population of Bucaramanga, Colombia.

Bautista, LE (Principal Investigator)

Funding Agency: UW-Global Health Institute

2017 - 2018

Study: “Strategies for Cardiovascular Disease Management and Prevention in Latin America”

Description: This study builds upon the existing LASO consortium and includes Argentina, Chile, Colombia, Costa Rica, Dominican Republic, Peru, Puerto Rico, and Venezuela, Brazil, Mexico, Ecuador, Panamá, Uruguay, and Paraguay. We will also use Bayesian methods to recalibrate the Framingham equation for use in each country and will validate the recalibrated equation using incidence data from Brazil, Colombia, Perú, and Chile.

Bautista, LE (Principal Investigator)

Funding Agency: Not funded

Study: Latin American Studies of Obesity (LASO)

Description: Latin American Studies of Obesity (LASO), is a share-data initiative with information on cardiovascular risk factors in >30,000 adults from 11 Latin American countries. The main goals of LASO are: a) to quantify the distribution of obesity and cardiovascular risk factors in Latin America; b) develop context-specific and data-driven objective policies for patient care and public health in the region; c) foster research development and collaboration in Latin America.

Completed Research Support

2012-2015 **Principal Investigator**, Funding Agency: NIH-Fogarty R24TW009547
An Environmental and Occupational Health Research and Training Hub: USA/Colombia
Our goal of this project was to develop a global EO Health hub in Colombia to strengthen capacity for research, training, and policy formulation in South America and the Caribbean region. This proposal focused on identifying, characterizing and addressing the health effects of climate change, air pollution, and the built urban environment. **The GEO-Health Hub continues active with share leadership with the Colombian PI.**

2011-2014 **Principal Investigator**, Funding agency: UW-Global Health Institute
Hypertension Awareness, Treatment, and Control in Latin America.

This study evaluated the role of sociodemographic factors on hypertension awareness, treatment and control in 10,000 hypertensive individuals from seven Latin American countries, and assessed the cost-effectiveness of strategies aimed to improve hypertension control in the region.

2009-2014 **Co-investigator**, Funding agency: NIH R01HL0622
Epidemiology of Sleep-Disordered Breathing in Adults

To characterize the natural history and biologic spectrum of sleep disordered breathing (SDB) and other sleep problems and disorders, and test hypotheses regarding the causes and consequences of SDB and other sleep problems and disorders.

2006-2009 **Principal Investigator**, Funding agency: AHA: “Quality of Life and Depression as Determinants of Treatment Adherence in Hypertensive Patients”; total direct costs: \$409,000

The goal of this project is to evaluate whether baseline levels and changes in Quality of Life and increases in depression symptoms severity following the start of antihypertensive treatment increase the risk of poor treatment-adherence.

2008-2009 **Principal Investigator**, Funding agency: Academic Pediatric Association:
“The Effects of Environmental Tobacco Smoke Exposure on Blood Pressure in Children and Adolescents”; total direct costs: \$10,000

This project examines the health effects of exposure to environmental tobacco smoke (ETS), or passive smoking, on blood pressure in a national sample of never-smoking children and adolescents in the United States.

2002-2003 **Principal Investigator**, Funding agency: COLCIENCIAS; “Are Inflammatory Markers Independent Risk Factors for Essential Hypertension?”; total direct cost: \$33,000

The goal of this study was to compare levels of inflammatory markers (CRP, TNF- α , IL-6) in normotensive offspring of hypertensive and normotensive parents.

1999-2003 **Principal Investigator**, Funding agency: COLCIENCIAS; “Inflammatory, Autonomic, and Endothelial Function Markers as Predictors of Survival Post Acute MI”; total direct cost: \$139,530

The main objective of this study was to identify inflammatory, autonomic, and endothelial function markers associated with short- and long-term survival in survivors of a first acute myocardial infarction.

1997-1999 **Principal Investigator**, Funding agency: Cenipalma; “Effects of Palm Oil and Dietary Cholesterol on Plasma Lipoproteins”; total direct cost: \$29,000

This was a randomized controlled trial aimed to ascertain whether diets rich in palm oil or dietary cholesterol promote short term changes in plasma lipoproteins.

1998-2002 **Local Principal Investigator**, Funding agencies: WHO, WHF, INCLEN, COLCIENCIAS; “A Global Study of Risk Factors in Acute Myocardial Infarction, INTERHEART Study. A Global Study of Risk Factors for AMI”; total direct cost: \$78,000

The main objective of this study was to identify risk factors for acute myocardial infarction in populations from different regions of the world.

1999-2001 **Principal Investigator**, Funding agency: Colciencias; “Design and validation of tools to evaluate nutrient intake in the Colombian population”; total direct cost: \$33,800

The main goal of this study was to develop a data derived food frequency questionnaire to validly assess nutrient intake in large epidemiologic studies in Colombians.

1998-2000 **Principal Investigator**, Funding agency: Ecopetrol; “Prevalence of cardiovascular risk factors in workers from Ecopetrol”; total direct costs: \$56,000.

The objective of this study was to ascertain the frequency and magnitude of traditional cardiovascular risk factors in a random sample of workers from Ecopetrol (Colombia, Santander).

b. Active and Completed Support as Co-Investigator

2011-2018 Co-Investigador. Funding agency: COLCIENCIAS; "Knowledge and Action for Reducing the Burden of Cardiovascular Diseases in Colombia (CARDIECOL)"

The goal of this study was to assess changes in cardiovascular risk factors and incidence of cardiovascular events in a cohort of residents in Bucaramanga, Colombian (Principal Investigator: Oróstegui, M)

2007 **Consultant**, Funding agency: NIOSH; "The Migrant Adolescent WorkLife Study." (Principal Investigator: Cooper, SP)

2006-2008 **Co-Principal Investigator**, Funding agency: COLCIENCIAS; "Incidence of Cardiovascular Diseases and Risk Factors Study in Colombians (INEFAC)." (Principal Investigator: Oróstegui, M)

The main objective of this study is to ascertain the 5-year incidence and changes in cardiovascular risk factors and cardiovascular diseases in a cohort of 15-64 year-old subjects from Bucaramanga, Colombia.

2005-2006 **Co-Principal Investigator**, Funding agency: COLCIENCIAS; "Renin-Angiotensin-Aldosterone System Genetic Polymorphisms and Risk of Hypertension."

This was a case-control study aimed to assess the effects of the angiotensin converting enzyme insertion/deletion (*ACE I/D*), angiotensin II receptor 1 (*AIIR1*) *a1166c*, and angiotensinogen *t174m* and *m235t* gene polymorphisms on the prevalence of hypertension and on blood pressure. (Principal Investigator: Gamarra, G)

2002-2005 **Co-Principal Investigator**, Funding agency: COLCIENCIAS; "Predicting Progression to Chagasic Cardiomyopathy: From Cellular Mechanisms to Diagnostic Approaches."

This is a cohort study aimed to identify prognostic factors for the development and progression of chagasic cardiomyopathy. (Principal Investigator: Morillo, CA)

2002-2004 **Co-Principal Investigator**, Funding agency: COLCIENCIAS; "RAS Genes Polymorphisms and Risk of Hypertension in the Colombian Population."

The objective of this study was to assess if the following polymorphisms are independently associated with the risk of hypertension among Colombians: ACE-I/D; angiotensinogen gene M235T and T174M, and angiotensinogen A1166C. (Principal Investigator: Oróstegui, M)

2002-2005 **Co-Principal Investigator**, Funding agency: COLCIENCIAS; “Design and Validation of Instruments for Dietary Assessment in the Colombian Population.”

The overall objective of this study was to assess the validity of a food frequency questionnaire previously designed for the Colombia population. (Principal Investigator: Herrán, O)

2000-2004 **Co-Principal Investigator**, Funding agency: Metropolitan Public Health Service; “Prevalence of Risk Factors for Non-Transmissible Chronic Diseases in Bucaramanga, Colombia. Baseline CINDI/CARMEN Survey.”

The goal of this study was to quantify the prevalence and distribution of behavioral and biologic risk factors for the development of chronic diseases and to provide the baseline for the evaluation of a chronic disease prevention program. (Principal Investigator: Oróstegui, M)

2001-2004 **Co-Principal Investigator**, Funding agency: COLCIENCIAS; “Early inflammatory markers of severity in patients with dengue fever”.

The objective of this study is to identify early inflammatory markers associated with progression to hemorrhagic dengue in a cohort of infected patients. (Principal Investigator: Luis Villar)

c. Active non-funded research

2013- Co-investigator, "Worldwide University Network (WUN) Migration and Health Study". This is a collaborative study with colleagues from Hong Kong, the UK, New Zealand, Australia, and China. The study is aimed to generate knowledge useful for the development of effective policies and interventions aimed to curtail the negative health impacts of migration.

2006- **Principal Investigator**, "Latin American Studies Consortium in Obesity (LASO);" total direct costs: not funded.

The aim of LASO is to gather good quality data from studies in Latin American countries, in order to obtain current and valid estimates of the prevalence of obesity, its changes through time, and its relationship with the risk of cardiovascular disease and other cardiovascular risk factors.

I. PROFESSIONAL SERVICE

a. Professional Service on Review Panels

- 2011- Member Editorial Board *American Journal of Hypertension*
2012- Member Editorial Board *The Open Obesity Journal*
- 2013- Proposal Reviewer, COLCIENCIAS, Colombia
2012- Proposal Reviewer, Fundação para a Ciência e Tecnologia, Portugal
2011- Proposal Reviewer, Qatar National Research Foundation, Qatar
2010- Proposal Reviewer, German Research Foundation, Germany.
2006- Proposal Reviewer, Medical Research Council/Welcome Trust, UK
2005- Proposal Reviewer, Biomedical Research Council, Singapore
- 2008 NIH Reviewer on the Multi-Ethnic Study of Atherosclerosis (MESA)
Contract
- 2006 NIH Technical Evaluation Panel for the Hispanic Community Health Study
(HCHS) contract

b. Journal Reviewer Service

American Journal of Hypertension
Annals of Epidemiology
Circulation
Atherosclerosis
European Heart Journal
European Journal of Clinical Nutrition
Lancet
Journal of the American Medical Association
Archives of Internal Medicine
Sleep
International Journal of Cardiology
Medical Science Monitor