

CURRICULUM VITAE

Leonelo E Bautista, MD, MPH, DrPH

February 9th, 2022

Office Address University of Wisconsin at Madison
Department of Population Health Sciences
610 Walnut Street, WARF 703
Madison, WI 53726-2397

Work phone 608-265-6176

Work Fax 608-263-2820

Work Email lebautista@wisc.edu

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

PROFESSIONAL EXPERIENCE

Administrative Appointments

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

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

1997-2001 Director, Cardiovascular Diseases Epidemiologic Observatory, Universidad Industrial de Santander, Bucaramanga, Colombia

Academic Appointments

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

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

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

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

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

1986-1992 Assistant Professor, Department of Public Health, Universidad Autónoma de Santo Domingo, Santo Domingo, Dominican Republic

Additional Professional Appointments

1984-1985 Physician, Instituto Dominicano de Seguros Sociales, Santo Domingo, Dominican Republic.

1993-2001 Physician, Eastern Colombia Cardiovascular Foundation, Bucaramanga, Colombia

Consultantships

1989 Rodolphe Merieux Laboratories, Lyon – France

2006 Merck & Co., Inc., Kenilworth, NJ, U.S.A.

HONORS AND AWARDS

- 2020 Decree of Honor from the City of Bucaramanga Major's Office.
- 2018 Recognition as a Founder of the MSc Program in Epidemiology, Universidad Industrial de Santander.
- 2015 Population Health Sciences Excellence in Teaching Award
- 2011 Honorary Professor, 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

PROFESSIONAL ORGANIZATIONS MEMBERSHIPS

Society for Epidemiologic Research
Peruvian Society of Cardiology
Academia Dominicana de Medicina
American Heart Association
Sociedad Colombiana de Epidemiología
Asociación Médica Dominicana

OVERVIEW OF LAST YEAR ACTIVITIES

During 2022, I continued teaching PHS798 (Epi Methods) and PHS805 (Advanced Epi: Causal Inference in Epidemiologic Studies). My collaboration with investigators from the Department of Neurosurgery resulted in one R01 NIH proposal. I continued efforts to implement a study on the effect of biological markers of stress on cardiometabolic risk factors in Dominican adults got a grant from (funded by FONDOCYT, Dominican Republic). Data collection on our study on stroke and cognitive impairment in Native Americans will be completed shortly and we will start doing data analysis. I gave and invited talk on the Global Burden of Cardiovascular Diseases at the Industrial University of Santander. I continued as Associate Editor for *BMC Public Health*, *Lipids in Health and Disease* and the *Journal of Public Health and Emergency*.

PUBLICATIONS

Refereed Publications

1. Florez-Garcia V, Guevara-Romero E, Hawkins M, et al. Cadmium exposure and risk of breast cancer: A meta-analysis. *Environ Res* 2022;115109.
2. Ávila LMS, Galvis MLD, Campos MAJ, et al. Validation of RT-qPCR test for SARS-CoV-2 in saliva specimens. *Journal of Infection and Public Health* 2022;15(12):1403-8.
3. Bautista LE, Rueda-Ochoa OL. Methodological challenges in studies of the role of blood lipids variability in the incidence of cardiovascular disease. *Lipids Health Dis*. 2021;20(1):51 doi: 10.1186/s12944-021-01477-x[published Online First: Epub Date].
4. Bautista LE, Rodríguez-Villamizar LA, Herrera-Galindo VM, et al. ¿Es prioritario vacunar a niños de 3-11 años contra COVID-19 en Colombia? *Salud UIS* 2021(53):e21038 doi: <https://doi.org/10.18273/saluduis.53.e:21038>.

5. Oróstegui Arenas Myriam, Bautista Lorenzo Leonelo Enrique, Martínez Vega Ruth Aralí, Sosa Ávila Luis Miguel, Vera Cala Lina María, Rodríguez Villamizar Laura Andrea, Herrera Galindo Víctor Mauricio. Alternancia Escolar: un reto para garantizar la salud y la vida de la comunidad educativa. *Revista Cuidarte*. 2021;12(2):e.2244 <http://dx.doi.org/10.15649/cuidarte.2244>
6. Bautista LE. Zika virus infection and risk of Guillain-Barré syndrome: A meta-analysis. *J Neurol Sci*. 2019 2019/08/15/;403:99-105.
7. Bautista LE, Bajwa PK, Shafer MM, Malecki KMC, McWilliams CA, Palloni A. The relationship between chronic stress, hair cortisol and hypertension. *International Journal of Cardiology Hypertension*. 2019 2019/08/01/;2:100012.
8. Jayedí A, Rahimi K, Bautista L, Nazarzadeh, Zargar MS, Shab-Bidar S. Inflammation markers and Risk of Developing Hypertension: a Meta-Analysis of Cohort Studies. *Heart* 2019. doi:10.1136/heartjnl-2018-314216.
9. Bautista LE. Re: Maternal-fetal transmission and adverse perinatal outcomes in pregnant women infected with Zika virus: prospective cohort study in French Guiana. *BMJ*. 2018;363(363:k4431).
10. Bautista LE, Herrera VM. An assessment of public health surveillance of Zika virus infection and potentially associated outcomes in Latin America. *BMC Public Health*. 2018; 18:656.
11. Bautista LE. On the temporal association of outbreaks of Zika virus infection, newborn microcephaly, and Guillain-Barré syndrome. *J Public Health Emerg*. July 2017. doi: 10.21037/jphe.2017.06.05.
12. Bautista LE. Maternal Zika virus infection and newborn microcephaly —An analysis of the epidemiological evidence. *Ann Epidemiol* 2017; 28:111-118.
13. Bautista LE, Sethi AK. Association between Guillain-Barre syndrome and Zika virus infection. *Lancet* 2016; 387: 2599-600
14. Tedla YG, Bautista LE. Drug side effect symptoms and adherence to antihypertensive medication. *Am J Hypertens*. 2016; 29:772-779.
15. 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.
16. Bautista LE. Calcium and linoleic acid supplements in the prevention of pre-eclampsia. *Colombia Médica*. 2016; 47:69.
17. Cardiovascular Disease Risk Factors in Hispanic Adolescents in South Texas. Cooper SP, Shipp EM, Del Junco DJ, Cooper CJ, Bautista LE, Levin J. *South Med J*. 2016; 109:130-6.
18. 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*. 2015; 35:58-65.
19. Shin JI, Bautista LE, Walsh MC, Malecki KC, Nieto FJ. Food insecurity and dyslipidemia in a representative population-based sample in the US. *Prev Med*. 2015; 77:186-90.
20. Wang L, Bautista LE. Serum bilirubin and the risk of hypertension. *Int J Epidemiol*. 2015; 44:142-52.

21. The Global Burden of Metabolic Risk Factors for Chronic Diseases Collaboration. Cardiovascular disease, chronic kidney disease, and diabetes mortality burden of cardiometabolic risk factors from 1980 to 2010: a comparative risk assessment. *Lancet Diabetes Endocrinol.* 2014; 2:634-47.
22. 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; 127:1493-1502.
23. Miranda JJ, Herrera VM, Chirinos JA, Gómez LF, Perel P, Pichardo R, González A, Sánchez JR, Catterina F, Ximena A, Eglé S, Oróstegui M, Medina-Lezama J, Pérez CM, Suárez E, Ortiz AP, Rosero L, Schapochnik N, Zulma O, Ferrante D, Casas JP, Bautista LE. 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:e54056.
24. 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 Aff.* 2013; 32:155-64.
25. Bautista LE. Plasma HDL cholesterol and risk of myocardial infarction. *Lancet.* 2012; 380:1990-1991.
26. Stevens GA, Singh GM, Lu Y, Danaei G, Lin JK, et al. National, regional, and global trends in adult overweight and obesity prevalences. *Popul Health Metr.* 2012; 10:22.
27. Baumgartner J, Zhang Y, Schauer JJ, Ezzati M, Patz JA, Bautista LE. Household air pollution and children's blood pressure. *Epidemiol.* 2012; 23: 641-642.
28. Fan C, Nieto FJ, Bautista LE, Fine JP. Vitamin D intake and cardiovascular mortality in the NHANES I epidemiological follow-up study cohort. *J Diet Suppl.* 2012; 9:79-89.
29. 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. *Colom Med.* 2012; 43: 154-161.
30. Bautista LE, Vera-Cala LM, Colombo C, Smith P. Symptoms of depression and anxiety and adherence to antihypertensive medication. *Am J Hypertens.* 2012; 25: 505-11.
31. Holmes MV, Newcombe P, Hubacek JA, Sofat R, Ricketts SL, Cooper J, Breteler M, Bautista LE, 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.* 2011; 378:584-94.
32. Baumgartner J, Schauer JJ, Ezzati M, Lu L, Cheng C, Patz JA, Bautista LE. Indoor air pollution and blood pressure in adult women living in rural China. *Environ Health Perspect.* 2011; 119:1390-1395.
33. 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.* 2011; 378:31-40.
34. Vera-Cala LM, Oróstegui M, Valencia-Angel LI, López N, Bautista LE. Accuracy of the Omron HEM-705 CP for blood pressure measurement in large epidemiologic studies. *Arq Bras Cardiol.* 2011; 96:393-398.

35. 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*. 2011; 377:557-567.
36. 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*. 2011; 377:578-586.
37. 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*. 2011; 377:568-577.
38. Chow CK, Islam S, Bautista L, Rumboldt Z, Yusufali A, et al. Parental history and myocardial infarction risk across the world: the INTERHEART Study. *J Am Coll Cardiol*. 2011; 57:619-627.
39. Baumgartner J, Schauer JJ, Ezzati M, Lu L, Cheng C, Patz JA, Bautista LE. Patterns and predictors of personal exposure to indoor air pollution from biomass combustion among women and children in rural China. *Indoor Air*. 2011; 21:479-488.
40. Bautista LE, Vera LM. Antihypertensive effects of aspirin: what is the evidence? *Curr Hypertens Rep*. 2010; 12:282-289.
41. Bautista LE, Stein JH, Morgan BJ, Stanton N, Young T, et al. Association of blood and hair mercury with blood pressure and vascular reactivity. *WMMJ*. 2009; 108:250-252.
42. Bautista LE. Genetic and pharmacogenetic associations between NOS3 polymorphisms, blood pressure, and cardiovascular events in hypertension. *Am J Hypertens*. 2009; 22:697.
43. 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. *Am J Hypertens*. 2009; 22: 867-870.
44. Bautista LE. Blood pressure-lowering effects of statins: who benefits? *J Hypertens*. 2009; 27:1478-1484.
45. Bautista LE, Casas JP, Herrera VM, Miranda JJ, Perel P, et al. The Latin American Consortium of Studies in Obesity (LASO). *Obes Rev*. 2009; 10:364-370.
46. Herrera VM, Casas JP, Miranda JJ, Perel P, Pichardo R, González A, Sánchez JR, Ferreccio C, Aguilera X, Silva E, Oróstegui M, Gómez LF, Chirinos JA, Medina-Lezama J, Pérez CM, Suárez E, Ortiz AP, Rosero L, Schapochnik N, Ortiz Z, Ferrante D, Díaz M, Bautista LE. Interethnic differences in the accuracy of anthropometric indicators of obesity in screening for high risk of coronary heart disease. *Int J Obes*. 2009; 33:568-576.
47. Bautista LE, Correa A, Baumgartner J, Breyse P, Matanoski GM. Indoor charcoal smoke and acute respiratory infections in young children in the Dominican Republic. *Am J Epidemiol*. 2009; 169: 572-580.
48. Bautista LE, Vargas CI, Oróstegui M, Gamarra G. Population-based case-control study of renin-angiotensin system genes polymorphisms and hypertension among Hispanics. *Hypertens Res*. 2008; 31:401-408.

49. Bautista LE. Predictors of persistence with antihypertensive therapy: results from the NHANES. *Am J Hypertens*. 2008; 21:183-188.
50. Stolzmann KL, Bautista LE, Gangnon RE, McElroy JA, Becker BN, et al. Trends in kidney transplantation rates and disparities. *J Natl Med Assoc*. 2007; 99:923-932.
51. Lanás 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; 115:1067-1074.
52. Casas JP, Cavalleri GL, Bautista LE, Smeeth L, Humphries SE, et al. Endothelial nitric oxide synthase gene polymorphisms and cardiovascular disease: a HuGE review. *Am J Epidemiol*. 2006; 164:921-935.
53. 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. *Eur J Cardiovasc Prev Rehabil*. 2006; 13:769-775.
54. Bautista LE. Associations of microalbuminuria with inflammation markers in hypertensive men. *Am J Hypertens*. 2006; 19:467.
55. Bautista LE, Smeeth L, Hingorani AD, Casas JP. Estimation of bias in nongenetic observational studies using "Mendelian triangulation". *Ann Epidemiol*. 2006; 16:675-680.
56. Hatzigeorgiou C, Taylor AJ, Feuerstein IM, Bautista L, O'Malley PG. Antioxidant vitamin intake and subclinical coronary atherosclerosis. *Preventive Cardiology*. 2006; 9:75-81.
57. Casas JP, Shah T, Cooper J, Hawe E, McMahan AD, Gaffney D, Packard CJ, O'Reilly DS, Juhan-Vague I, Yudkin JS, Tremoli E, Margaglione M, Di Minno G, Hamsten A, Kooistra T, Stephens JW, Hurel SJ, Livingstone S, Colhoun HM, Miller GJ, Bautista LE, Meade T, Sattar N, Humphries SE, Hingorani AD. Insight into the nature of the CRP-coronary event association using Mendelian randomization. *Int J Epidemiol*. 2006; 35:922-931.
58. Bautista L. Association of periodontitis with blood pressure. *Blood Press*. 2005; 14:383.
59. Herrán OF, Bautista LE. Calidad de la dieta de la población adulta de Bucaramanga y su patrón alimentario. *Colom Med*. 2005; 36:94-102.
60. 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*. 2005; 366:1640-1649.
61. Bautista LE. Association of C-reactive protein with blood pressure. *Arterioscler Thromb Vasc Biol*. 2005; 25:e137.
62. Bautista LE, Herrán OF, Pryer JA. Development and simulated validation of a food-frequency questionnaire for the Colombian population. *Public Health Nutr*. 2005; 8:181-188.
63. Casas JP, Bautista LE, Smeeth L, Sharma P, Hingorani AD. Homocysteine and stroke: evidence on a causal link from Mendelian randomisation. *Lancet*. 2005; 365:224-32. PubMed [journal] PMID: 15652605

64. 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. *Arch Neurol.* 2004; 61:1652-1661.
65. Bautista LE, Atwood JE, O'Malley PG, Taylor AJ. Association between C-reactive protein and hypertension in healthy middle-aged men and women. *Coron Artery Dis.* 2004; 15:331-336.
66. Bautista LE, Ardila ME, Gamarra G, Vargas CI, Arenas IA. Angiotensin-converting enzyme gene polymorphism and risk of myocardial infarction in Colombia. *Med Sci Monit.* 2004; 10:CR473-479.
67. 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; 109:1359-65.
68. Cubillos-Garzón LA, Casas JP, Morillo CA, Bautista LE. Congestive heart failure in Latin America: the next epidemic. *Am Heart J.* 2004; 147:412-417.
69. Bautista LE, Arenas IA, Peñuela A, Martínez LX. Total plasma homocysteine level and risk of cardiovascular disease: a meta-analysis of prospective cohort studies. *J Clin Epidemiol.* 2002; 55:882-887.
70. 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 Publica Mex.* 2002; 44:399-405.
71. 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. *Anesth Analg.* 2002; 94:432-437.
72. Pradilla G, Vesga BE, Leon-Sarmiento FE, Bautista LE, Núñez LC, et al. [Neuroepidemiology in the Eastern Region of Colombia]. *Rev Neurol.* 2002; 34:1035-1043.
73. 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.* 2001; 8:157-166.
74. 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. *Eur J Clin Nutr.* 2001; 55:748-754.
75. 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; 96:1-6.
76. 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]. *Rev Neurol.* 2000; 30:428-432.
77. Herrán OF, Bautista LE. Calidad de la dieta en Bucaramanga, Colombia. 1998-2003: Patrón alimentario en 1998. *Salud UIS.* 1998; 35:63.
78. Bautista LE. [Factors associated with the initiation of breast feeding by women in the Dominican Republic]. *Rev Panam Salud.* 1997; 1:200-207.

79. Bautista LE, Oróstegui M. Dental care associated with an outbreak of HIV infection among dialysis patients. *Rev Panam Salud.* 1997; 2:194-202.
80. Bautista LE. [Duration of breast-feeding in the Dominican Republic]. *Bull Pan Am Health Organ.* 1996; 120:414-424.
81. Bautista LE. ["Razón relativa" and "tasa relativa" as translations of odds ratio and hazard ratio]. *Bull Pan Am Health Organ.* 1995; 119:278-282.

Non-indexed Publications

1. Duran AE, Bautista LE. [Model to predict mortality in pediatric cardiac surgery patients using preoperative prognostic factors]. *Cardiol al Día.* 2000; 3:47-53.
2. Bautista LE, Arenas IA, Peñuela A, Martínez LX. Homocysteine and risk of cardiovascular disease: A meta-analysis of cohort studies. *Cardiol 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 Día.* 2000;3: 86-90.
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 Día.* 2000; 3:54-56.
5. González R, Hernández H, Bautista LE, Morillo C. Safety of primary angioplasty and coronary stenting in acute myocardial infarction. *Cardiol al Día.* 1999; 2: 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]. *Cardiol al Día.* 1999; 2:54-60.
7. Bautista LE, Luengas C, Arenas I. Prediction of exercise capacity based on a population specific activity questionnaire. *Cardiol al Día* 1998; 1:58-63.
8. Chávez AM, Melo G, Bautista LE, Vesga BE. [Changes in cardiac morphology related to physical exercise]. *Salud UIS.* 1998 ;29:76-81.
9. Bautista LE. [The effect of beta-blockers on mortality in low and high-risk patients with acute myocardial infarction]. *Cardiol 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.
11. Bautista LE, Oróstegui M, Prada GE, Herrán 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.
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.

Books and Chapters in Books

1. Bautista LE. High Blood Pressure. In Brownson RC, Remington PL, Davis JR: Chronic disease epidemiology and control. 3rd Ed. Chapter 13. 2016.
2. Herrán OF, Bautista LE. [Food composition table for Bucaramanga, Colombia] 2nd Ed. UIS, MINSALUD, COLCIENCIAS. Colombia, 2003 (ISBN 958-8187-036)..
3. 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.
4. 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..

Abstracts and Posters

1. Bajwa P, Bautista LE. Role of chronic psychosocial stress and hair cortisol on the development of hypertension. Society for Epidemiologic Research Meeting, Baltimore, MD, June 19-22, 2018.
2. Lazar KK, Kosciak RL, Bautista LE, Sager MA, Hermann BP, Asthana S, et al. Association of cholesterol and cholesterol metabolism genes with cognitive function in a population enriched for a parental history of Alzheimer's disease. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*. 2017;13:P654.
3. Accuracy of clinical indexes of obesity to predict incidence of hypertension in a Colombian population. Lina Vera-Cala*, Silvia Plata, Leonelo Bautista. 2016 Epidemiology Congress of the Americas, Miami, Florida. Society for Epidemiologic Research.
4. Vera LM, Bautista LE. La ecuación de Framingham sobreestima el riesgo cardiovascular en poblaciones latinoamericanas. *Biomédica*. 2015;35:89-90.
5. 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).
6. 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).

7. 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.
8. 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.
9. Bautista LE, Herrera VM, Casas JP, Oróstegui M, Schapochnik N, Ferrecio 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.
10. Bautista LE, Stein JH, Morgan BJ, Stanton N, Young T, Nieto J. Blood and hair Hg levels increase blood pressure but do not affect vascular reactivity. *Atherosclerosis, Thrombosis, and Vascular Biology Annual Conference, April 2007, Chicago, IL.*
11. Bautista LE. Who is not taking antihypertensive medication? *J Heart Dis* 2007, 5(1): 71.
12. Herrera VM, Oróstegui M, Aguilera X, Ferrecio C, Silva E, Clavell E, Pichardo R, Gonzalez A, Casas JP, 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: S52.
13. Arenas IA, Vargas CI, Davidge ST, Bautista LE. Angiotensin converting enzyme I/D gene polymorphism influences serum C-reactive protein level. *Can J Cardiol* 2006, 21 (Suppl C) 112.
14. Arenas IA, Vargas CI, Davidge ST, Bautista LE. Gender differences in the effect of Angiotensin Converting Enzyme I/D Gene Polymorphisms on C-Reactive Protein Levels. International Society for Gynecological Investigation, Toronto, 2006.
15. LE Bautista, JP Casas, L Smeeth, AD Hingorani. Estimation of bias in "Mendelian triangulation" studies. *Am J Epidemiol*, 2005; 161 (Suppl): S73 (Abstract No. 291).
16. Casas JP, Shah T, Cooper J, Hawe E, McMahon AD, Gaffney D, Packard CJ, O'Reilly DS, Juhan-Vague I, Yudkin JS, Tremoli E, Margaglione M, Di Minno G, Hamsten A, Kooistra T, Stephens JW, Hurel SJ, Livingstone S, Colhoun H, Bautista LE, Meade T, Sattar N, Humphries SE, Hingorani AD. Mendelian randomisation and disease risk estimates for C-reactive protein (CRP). Oral presentation, British Atherosclerosis society, Spring meeting, Medical Sciences Teaching Centre & Magdalen College, Oxford, UK, April 14-15, 2005.
17. Shah T, Casas JP, Cooper J, Hawe E, McMahon AD, Gaffney D, Packard CJ, O'Reilly DS, Juhan-Vague I, Yudkin JS, Tremoli E, Margaglione M, Di Minno G, Hamsten A, Kooistra T, Stephens JW, Hurel SJ, Livingstone S, Colhoun H, Bautista LE, Meade T, Sattar N, Humphries SE, Hingorani AD. Insight into the nature of the CRP-coronary event association using Mendelian randomisation. 75th European Atherosclerosis Society Congress, Prague, Czech Republic, 23-26 April 2005.
18. Casas JP, Bautista LE, Smeeth L, Sharma PJ, Hingorani AD. Plasma Homocysteine and Stroke: "Mendelian randomization" provides further evidence of causal link. Oral presentation in the British Hypertension Society, Annual Scientific Meeting, 13-15 September 2004, Cambridge, UK. Published in *J Hum Hypertens*. 2004; 18: 915-32 (Abstract).

19. Casas JP, Bautista LE, Sharma PJ, Hingorani AD. Plasma Homocysteine, and Ischaemic Stroke: "Mendelian randomization" provides further evidence of causal link. *J Neurol Neurosurg Psychiatry*. 2004; 75: 1218 (Abstract 028).
20. Bautista LE, Ardila ME, Gamarra G, Vargas CI, Arenas IA. Angiotensin-Converting Enzyme Gene Polymorphism and Risk of Acute Myocardial Infarction in the Colombian Population. *Canadian Cardiovascular Society/InterAmerican Congress of Cardiology*, Toronto, Ontario, October, 2003.
21. Bautista LE, Taylor AJ, Atwood JE, O'Malley JP. Association Between C-Reactive Protein and Hypertension Among Low Cardiovascular Risk Subjects. *Circulation*. 2003;107 [7001e], 23.
22. Vera LM, Orozco LC, Bautista LE, Oróstegui M, Prada GE, Herrán OF. [Factors associated with the prevalence of hypertension in individuals from low socio-economic strata in Bucaramanga, Colombia]. *Rev Colom Cardio*. 2003;10:510.
23. Vera LM, Gamarra G, Bautista LE, Oróstegui M. [Association between inflammatory markers and arterial hypertension]. *Rev Col Cardiol*. 2003; 10:511.
24. Morillo CA, Casas JP, Lindarte MA, Silva F, Cubillos-Garzón LA, Guzmán JC, León H, Bautista LE, Vesga B, Villaroel C, Duarte E, Parra M, Kussella TA. [Prognostic value of baroreflex gain using the modified oxford technique in non-Caucasian patients with a first acute myocardial infarction]. *Acta Médica Colombiana*. 2002; 27: 318, C-13.
25. Cubillos LA, Casas JP, Silva F, Villamizar N, Lindarte M, Guzman JC, Bautista LE, Duarte E, López-Jaramillo P, and Morillo CA. Predicting Future Heart Failure Hospital Admission in Myocardial Infarction Patients: Role of Risk Factor Assessment in a Colombian Population. *J Card Fail*. 2002; 8:S65.
26. Morillo CA, Casas JP, Silva F, Cubillos LA, Bautista LE, López-Jaramillo P, Villaroel C, Villamizar N, Arenas I, León H, Duarte E, Rodríguez L, Parra M. [Mortality predictors in survivors of an acute myocardial infarction (MAFALDA study)]. *Acta Médica Colombiana*. 2002; 27:318.
27. Casas JP, Cubillos-Garzón L, Villaroel C, Silva F, Parra M, Arenas I, Rodríguez L, Bautista LE, Morillo C. Quality of care and cardiovascular events in AMI patients from a developing country. *Circulation*. 2002; 106:e123.
28. 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.
29. Pradilla G, Vesga B, León F, Bautista LE, Núñez LC, Gamboa N, Vesga E, Vera LM. [Neuroepidemiologic study in Aratoca, Santander]. *Acta Médica Colombiana* 2000; 25 (2): 286.
30. Bautista LE, Orozco Vargas LC, Vera LM. [Validity of the mini-mental state examination for screening of dementia]. *Acta Médica Colombiana* 2000; 25:285.
31. Vera LM, Bautista LE. [Prevalence and association between obesity and arterial hypertension among adults]. *Acta Médica Colombiana*. 1998; 23:S218.

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.

INVITED RESEARCH PRESENTATIONS

1. Universidad Industrial de Santander. Global Burden of Cardiovascular Diseases. October 28, 2022. Bucaramanga, Colombia.
2. Colombian Academy of Medicine. Risks and benefits of vaccinating 3-11 years old children with CoronaVac. Nov 18, 2021.
3. Dominican Society of Epidemiology. Risks and benefits of vaccination 5-11 years old with Coronavac. Nov 22, 2021.
4. OPS-Colombia (retired personnel). Vaccination of children with CoronaVac. Dec 03 2021.
5. Bautista LE. Diagnostic Tests for COVID-19. Clinical and Epidemiological Aspects of COVID-19. Universidad Autónoma de Santo Domingo. May 12, 2020.
6. Bautista LE. Sensitivity and Efficiency of Pooled Rt-PCR tests for Diagnosis of SARS-CoV-2 Infection Using Binary Splitting. XIX Research Meeting, Universidad Autónoma de Santo Domingo. Nov 18th, 2020.
7. Bautista LE. Zika: Epidemiologic surveillance in a context of uncertainty. Colombian Inter University Seminar of Postgraduate Programs in Public Health. September 2018.
8. Bautista LE. The counterfactual model for causal inference in epidemiology. September 2018. Symposium Update on Public Health and Epidemiology. Universidad Industrial de Santander, Bucaramanga, Colombia.
9. Bautista LE. Recalibration of the Framingham equation for prediction of cardiovascular risk in Latin America. The XXVIII South American Congress of Cardiology (CARDIOSUR), Lima, Perú, June, 2018.
10. Bautista LE. Knowledge, treatment, and control of hypertension in Latin America. The XXVIII South American Congress of Cardiology (CARDIOSUR), Lima, Perú, June 2018.
11. Bautista LE. Prevention of cardiovascular diseases with combination pharmacotherapy in Latin America. The XXVIII South American Congress of Cardiology (CARDIOSUR), Lima, Perú, June 2018.
12. Bautista LE. Obesity in Latin America. II Simpósio Internacional em Epidemiologia Cardiovascular, Sao Paulo University, Sao Paulo, Brazil, 5-7 Dec 2016.
13. Bautista LE. Recalibration of the Framingham equation for predicting cardiovascular risk in Latin Americans. Research Strategy for Chronic Disease Epidemiology in Latin American and Caribbean Countries. 2016 Epidemiology Congress of the Americas, Miami, Florida. Society for Epidemiologic Research.

14. Bautista LE. Latin American Consortium of Studies on Obesity (LASO). Big Data: A Bridge to Eliminate Health Disparities. Puerto Rico Clinical and Translational Research Consortium. University Puerto Rico. April 1st, 2016.
15. Miranda JJ, Bautista LE. LASO collaboration. How can Latin American studies inform larger evidence generation efforts? 9th Brazilian Congress of Epidemiology Vitória, ES, Brazil, April 30, 2014.
16. Bautista LE. Migration and Health in Latin America. 2014 Worldwide University Network Meeting. Migration and Health. Cape Town University, South Africa, March 31, 2014.
17. Bautista LE. The Latin American Studies of Obesity (LASO): Methods and Findings. 2012 Worldwide University Network 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.
18. Bautista LE. Prevalence of risk factors and prevention of cardiovascular diseases in Latin America. VI Research Meeting: Chronic Non-Communicable Diseases. Universidad Autónoma de Santo Domingo, Sept 15, 2011.
19. Bautista LE. Perspectives and trends in chronic non-transmissible diseases: A proposal for action. VI Research Meeting: Chronic Non-Communicable Diseases. Universidad Autónoma de Santo Domingo, Sept 15, 2011.
20. Bautista LE. The role of research in the training of human health resources and in the management of health projects. VI Research Meeting: Chronic Non-Communicable Diseases. Universidad Autónoma de Santo Domingo, Sept 15, 2011.
21. Bautista LE. The Latin American Studies of Obesity (LASO): Methods and findings. 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 25, 2011.
22. Bautista LE. Hypertension in Latin America: Knowledge, Treatment, and Control. XI International Congress of the Dominican Institute of Cardiology. Santo Domingo, September 2010.
23. 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. CME.
24. 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.
25. Shipp EM, Cooper SP, del Junco DJ, Cooper CJ, Levin JL, Bautista LE, Ponder S. The Migrant Adolescent Work Life Study. Health and Safety in Western Agriculture Conference. Cle Elum, WA, November 2008.
26. Bautista LE. QOL and Depression as Determinants of Treatment Adherence in Hypertensive Patients. Wisconsin Primary Care Research Forum, 2007.

27. Cooper SP, Shipp EM, del Junco DJ, Cooper CJ, Levin JL, Bautista LE, Ponder S. 2007. Migrant Adolescent Work Life Study (Poster) Work Life 2007: Protecting and Promoting Worker Health: A National Symposium. Bethesda, MD, September 10-11.
28. Cooper SP, Shipp EM, del Junco DJ, Cooper CJ, Levin JL, Bautista LE, Ponder S. 2007. Migrant Adolescent Work Life Study. 17th Annual Midwest Stream Farmworker Health Forum, San Antonio, TX. December 6-8, 2007.
29. Bautista LE, Oróstegui M, Vera LM, Prada GE, Orozco LC, Herrán OF. Prevalence and impact of major cardiovascular risk factors in Bucaramanga, Colombia. Results from the CARMEN baseline survey. LATINCLEN IX, 2005, Buenos Aires, Argentina.
30. Oróstegui M, Bautista LE, Vera M, Prada GE, Orozco LC, Herrán OF. Prevalence of hypertension, smoking and alcohol intake in Bucaramanga, Colombia. LATINCLEN VIII, 2004. Santiago, Chile.
31. 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.
32. 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.
33. Bautista LE, Herrán OF. Nutcalc 1.2: Software for calculating nutritional intake from a Food Frequency Questionnaire for Bucaramanga, Colombia. Latin American Society of Nutrition, SLAN. November 9-13, 2003. Acapulco, México.
34. Bautista LE, Herrán OF. Validity and reproducibility of a food frequency questionnaire for Bucaramanga, Colombia. Latin American Society of Nutrition, SLAN. November 9-13, 2003. Acapulco, México.
35. Bautista LE, Herrán OF. Methodology for the design of a food frequency questionnaire. Latin American Society of Nutrition, SLAN. November 9-13, 2003. Acapulco, México.
36. Herrán OF, Bautista LE, Quintero DC. Food composition table for Bucaramanga, Colombia. Latin American Society of Nutrition, SLAN. November 9-13, 2003. Acapulco, México.
37. 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.
38. Bautista LE, Herrán O. Effects of dietary palmitic acid and cholesterol on lipid profile. IX Jornada Colombiana de Epidemiología, ASOCEPI 1998, Santafé de Bogotá.

TEACHING AND MENTORING

Teaching

2003-present	Epidemiologic Methodology (PHS 798, UW-Madison)	Course director; 1 semester, annual; 3 hours /week. Target: PhD, MSc, and MPH students
2013-present	Advanced Epidemiology: Causal Inference in Epidemiological Studies (PHS 805, UW-Madison)	Course director; 1 semester, annual; 2.5 hours/week. Target: MSc and PhD students
2012-2018	Special Topics Epidemiology: Cardiovascular Diseases (PHS 904, UW-Madison)	Guest lecturer (1 session)
2017-present	Patient Centered Education: Invaders and Defense / Mind and Motion (UW-Madison)	PaCE facilitator; 1 semester, annual; 3 hours/week Target: 2 nd year medical students
2017-present	Medical School (Several courses)	Lead four lab discussions on interpretation of observational and experimental studies. Target: 1 st and 2 nd year medical students
2005-2011	Special Topics Epidemiology: Cardiovascular Diseases (PHS 904, UW-Madison)	Course director; 1 semester, biannual; 3 hours/week; 6/14 lectures. Target: PhD and MSc students
2008-2009	Biological Basis of Population Health (PHS 794, , UW-Madison)	Guest lecturer (1 session) Target: PhD and MSc students
2011-2013	Introduction to Public Health: Local to Global Perspectives (PHS 370, UW-Madison)	Guest lecturer (1 session) Target: Undergraduate students
2001-2003	Advanced Epidemiological Methods (PM0513, Uniformed Services University of the Health Sciences, Bethesda, MD)	Course director; 1 semester, annual; 4 hours/week Target: MPH and DrPH students
1994-2000	Analytic Epidemiology (Universidad Industrial de Santander, Bucaramanga, Colombia)	Course director; 1 semester, twice a year; 4 hours per week Target: 4 th year medical students
Spring 1990	Teaching Assistant Epidemiologic Methods Johns Hopkins School of Hygiene and Public Health	Grading, lab discussions, office hours to assist other students Target: MPH, MSc, PhD students

1984-1986	Human Anatomy	Gross Anatomy Dissection; 10 hours/week Target: 1 st and 2 nd year medical students
-----------	---------------	--

Mentoring

PhD Dissertation Committee Chair

2016-	Pravleen Bajwa, PhD, Epidemiology Program.
2018-	Marina Jenkins, PhD, Epidemiology Program.
2013–2015	<p>Yacob G Tedla, PhD</p> <p>Current position: Research Assistant Professor of Medicine, General Internal Medicine and Geriatrics, Northwestern University, Feinberg School of Medicine, Chicago, IL.</p> <p>Dissertation Title: Hypertension: Drug side effects, treatment adherence, and treatment effects on arterial stiffness.</p>
2005–2007	<p>Victor M. Herrera, MSc</p> <p>Current position: Associate Professor, Universidad Autónoma de Bucaramanga, Colombia.</p> <p>Master's Thesis Title: Determination of optimal cut points for anthropometric indexes of obesity to identify individuals at high risk of coronary heart disease in a sample of Latin American populations.</p>
2007–2011	<p>Victor M. Herrera, PhD</p> <p>Current position: Associate Professor, Universidad Autónoma de Bucaramanga, Colombia.</p> <p>Dissertation Title: Evolution and correlates of parasympathetic function in a population-based incident cohort of patients with type 1 diabetes.</p>
2007–2010	<p>Jill Baumgartner, PhD</p> <p>Current position: Associate Professor, Institute for Health & Social Policy, Department of Epidemiology, Biostatistics & Occupational Health, McGill University, Montreal, Canada.</p> <p>Dissertation Title: The effects of biomass smoke exposure on blood pressure among adult women and children in the United States and China.</p>
2011–2013	<p>Yacob G Tedla, MSc</p> <p>Current position: Research Assistant Professor of Medicine, General Internal Medicine and Geriatrics, Northwestern University, Feinberg School of Medicine, Chicago, IL.</p> <p>Master's Thesis Title: Autonomy Support and Adherence to Cardiac Rehabilitation.</p>
2003–2005	<p>Lina M Vera-Cala, MSc</p> <p>Current Position: Associate Professor & Chair, Department of Public Health, School of Medicine, Universidad Industrial de Santander, Bucaramanga, Colombia.</p>

2002–2003 Master's Thesis Title: Relación entre factores socioeconómicos e hipertensión en la población de Bucaramanga, Colombia.
Christiane Tabatzky, MPH
Current Position: Unknown.

MSc Dissertation Committee Chair/Member

2021-2022 Dann Heckman, MSc

PhD and MSc Committee member

1999–2004 Kelly Vest, PhD
Current Position: Science Director, Center for Global Health Engagement, Uniformed Services University of the Health Sciences.
Dissertation Title: Risk of Peripheral Nerve Disease in Military Working Dogs Deployed in Operations Desert Shield/Storm.

2006–2008 Kimberly Brown Smith, MSc
Current Position: Unknown
Master's Thesis Title: Association of vitamin D and vitamin D-processing genes with blood pressure in Hispanic and African Americans: An ancillary study to the Insulin Resistance Atherosclerosis (IRAS) Family Study.

2004–2006 Chunpeng Fan, MSc
Current Position: Sanofi-Aventis, NJ, US.
Master's Thesis Title: Vitamin D intake and cardiovascular mortality in the NHANES I Epidemiological Follow-up Study Cohort.

2008–2010 Karen Lazar, MSc
Current position: Research Program Manager, Cindy Carlsson's Lab, Wisconsin Alzheimer's Disease Research Center.
Master's Thesis Title: Association between cholesterol and cholesterol metabolism genes, APOE and ABCA7, and cognitive function in the Wisconsin Registry for Alzheimer's Prevention.

MPH Capstone Committee

2021- Vanessa Dingman/MPH (Apex preceptor)

2011–2012 Keith Bersch, MPH
Current Position: Unknown
Capstone Project: The Impact of a Decrease in BMI on the Cardiovascular Health in Rio Grande do Sul, Brazil

2012–2013 Megan Elderbrook
Current Position: Wisconsin Department of Health Services, Chronic Disease Prevention Program.
Capstone Project: Impact of Statins on Acute Respiratory Infections: Marshfield Epidemiologic Study Area

Postdoctoral trainees and Fellows

2009–2010 Elisa A Bradley, MD, Internal Medicine Residency

- Current Position: Assistant Professor of Clinical Cardiology at the Ohio State University College of Medicine.
 Research Project: Glucose Changes With Lifestyle Modification of Patients with Impaired Glucose Tolerance: A Meta-Analysis
- 1999 – 2000 Ivan A Arenas, MD, PhD, Fellow in Cardiovascular Research, Fundación Cardiovascular del Oriente Colombiano, Bucaramanga, Colombia.
 Current Position: Cardiologist, Mount Sinai Medical Center, Miami Beach, FL.
- 2000 – 2001 Juan P Casas, MD, PhD; Fellow in Cardiovascular Research, Fundación Cardiovascular del Oriente Colombiano, Bucaramanga, Colombia.
 Current position: Executive Director, Million Veteran Program. Massachusetts Veterans Epidemiology Research and Information Center (MAVERIC) VA Boston Healthcare System, Boston, MA, US.
- 2012 Graciela M Noguera, MPH
 Current position: Research Statistical Analyst, The University of Texas MD Anderson Cancer Center
 Research Project: Prevalence of the metabolic syndrome and established risk factors for cancer and their correlates in the Latin American population.
- 2013 Lina Wang, MD
 Current Position: Associate Professor, Department of Epidemiology & Biostatistics, School of Public Health, Southeast University, Nanjing, China.
 Research Project: Markers of liver function and their association with hypertension.

RESEARCH SUPPORT

a. Active and Completed Support as Principal Investigator

Ongoing Research

Bautista, LE (PI)

Funding Agency: FONDOCYT (Dominican Republic) 2021-2023

Study: Corticotropic hormones in hair as novel markers of psychosocial stress and risk factors for the development on immune dysfunction and metabolic syndrome.

Description: A cross-sectional study in a sample of adults to assess the biological effects of chronic psychosocial stress on a harmful elevation of cardiometabolic risk factors.

Bautista, LE (Co-I)

Funding Agency: CHSP (UW) 2020-2023

Study: Health Coaching in Stroke Prevention in the Wisconsin Native American Population.

Description: This is a randomized clinical trial to estimate the effect of targeted health coaching on stroke risk factor in Wisconsin Native American.

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

Bautista, LE (PI)

Funding Agency: Cámara Colombiana de la Construcción, Regional Bucaramanga (CAMACOL)

Study: Validation of RT-qPCR test for SARS-CoV-2 in saliva specimens.

Description: We evaluated the accuracy of the RT-qPCR in both types of samples, assuming both approaches were imperfect.

Bautista, LE (Principal Investigator)

Funding Agency: Bucaramanga, Major's Office 7/1/2020 – 11/1/2020

Study: "Sensitivity of binary-splitting pool PCR testing for SARS-CoV-2"

Description: We evaluate the sensitivity and efficiency of RNA sample pooling for RT-qPCR testing for SARS-CoV-2, as compared to individual testing. Pool testing significantly increased efficiency in the identification and isolation of symptomatic and asymptomatic infected individuals. Test pooling could help in controlling the spread of SARS-CoV-2 in the population.

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 (Principal Investigator)

Funding Agency: UW-Global Health Institute 6/1/2017 - 12/1/2018

Study: "Cardiovascular risk prediction tools for Latin America"

Description: This ongoing study aimed to develop and validate cardiovascular disease and hypertension prediction tools for the Latin America population, based on existing cohort studies in the region.

Bautista, LE (Principal Investigator)

Funding Agency: NIH-Fogarty R24TW009547 2012-2015

Study: An Environmental and Occupational Health Research and Training Hub: USA/Colombia

Description: 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 shared leadership with the Colombian PI.

Bautista, LE (Principal Investigator)

Funding agency: UW-Global Health Institute 2011-2014

Study: Hypertension Awareness, Treatment, and Control in Latin America.

Description: 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.

Bautista, LE (Co-Investigator)

Funding agency: NIH R01HL0622 2009-2014
Study: Epidemiology of Sleep-Disordered Breathing in Adults
Description: The goal of this study was 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.

Bautista, LE (Principal Investigator)
Funding agency: American Heart Association 2006-2009
Study: Quality of Life and Depression as Determinants of Treatment Adherence in Hypertensive Patients
Description: This study 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.

Bautista, LE (Principal Investigator)
Funding agency: Academic Pediatric Association 2008-2009
Study: The Effects of Environmental Tobacco Smoke Exposure on Blood Pressure in Children and Adolescents
Description: The study examined 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.

Bautista, LE (Principal Investigator)
Funding agency: COLCIENCIAS 2002-2003
Study: Are Inflammatory Markers Independent Risk Factors for Essential Hypertension?
Description: Study aimed to compare levels of inflammatory markers (CRP, TNF- α , IL-6) in normotensive offspring of hypertensive and normotensive parents.

Bautista, LE (Principal Investigator)
Funding agency: COLCIENCIAS 1999-2003
Study: Inflammatory, Autonomic, and Endothelial Function Markers as Predictors of Survival Post Acute MI
Description: Cohort study aimed identify inflammatory, autonomic, and endothelial function markers associated with short- and long-term survival in survivors of a first acute myocardial infarction.

Bautista, LE (Principal Investigator)
Funding agency: Cenipalma 1997-1999
Study: Effects of Palm Oil and Dietary Cholesterol on Plasma Lipoproteins
Description: A randomized controlled trial to ascertain whether diets rich in palm oil or dietary cholesterol promote short term changes in plasma lipoproteins.

Bautista, LE (Principal Investigator, Colombia)
Funding agency: COLCIENCIAS 1998-2002
Study: INTERHEART: A Global Study of Risk Factors in Acute Myocardial Infarction.
Description: International study to identify risk factors for acute myocardial infarction in populations from different regions of the world.

Bautista, LE (Principal Investigator)
Funding agency: COLCIENCIAS 1999-2001
Study: Design and validation of tools to evaluate nutrient intake in the Colombian population"
Description: A cohort study to develop a data derived food frequency questionnaire to assess nutrient intake in large epidemiologic studies in Colombians.

Bautista, LE (Principal Investigator)
Funding agency: Ecopetrol 1998-2000
Study: Prevalence of cardiovascular risk factors in workers from Ecopetrol
Description: Cross-sectional study to ascertain the frequency and magnitude of major cardiovascular risk factors in a random sample of workers from Ecopetrol (Colombia, Santander).

b. Active and Completed Support as Co-Investigator

Bautista, LE (Co-Investigator)
Funding agency: COLCIENCIAS 2011-2018
Study: Knowledge and Action for Reducing the Burden of Cardiovascular Diseases in Colombia (CARDIECOL)
Description: To assess changes in cardiovascular risk factors and incidence of cardiovascular events in a cohort of residents in Bucaramanga, Colombian (Principal investigator: Oróstegui, M)

Bautista, LE (Consultant)
Funding agency: NIOSH 2007
Study: The Migrant Adolescent WorkLife Study
Description: The main aim of this study was to estimate the prevalence of cardiovascular disease risk factors in a population of Hispanic adolescent students in south Texas (Principal Investigator: Cooper, SP)

Bautista, LE (Co-Principal Investigator)
Funding agency: COLCIENCIAS 2006-2008
Study: Incidence of Cardiovascular Diseases and Risk Factors Study in Colombians (INEFAC).
Description: Cohort study 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.

(Principal Investigator: Oróstegui, M)

Bautista, LE (Co-Principal Investigator)

Funding agency: COLCIENCIAS 2005-2006

Study: Renin-Angiotensin-Aldosterone System Genetic Polymorphisms and Risk of Hypertension.

Description: Study to assess the association between angiotensin converting enzyme insertion/deletion (ACE I/D), angiotensin II receptor 1 (AIIIR1) *a1166c*, and angiotensinogen *t174m* and *m235t* gene polymorphisms with hypertension.

(Principal Investigator: Gamarra, G)

Bautista, LE (Co-Principal Investigator)

Funding agency: COLCIENCIAS 2002-2005

Study: Predicting Progression to Chagasic Cardiomyopathy: From Cellular Mechanisms to Diagnostic Approaches.

Description: To identify prognostic factors for the development and progression of chagasic cardiomyopathy.

(Principal Investigator: Morillo, CA)

Bautista, LE (Co-Principal Investigator)

Funding agency: COLCIENCIAS 2002-2004

Study: RAS Genes Polymorphisms and Risk of Hypertension in the Colombian Population.

Description: 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)

Bautista, LE (Co-Principal Investigator)

Funding agency: COLCIENCIAS 2002-2005

Study: Design and Validation of Instruments for Dietary Assessment in the Colombian Population.

Description: Study aimed to assess the validity of a food frequency questionnaire previously designed for the Colombia population.

(Principal Investigator: Herrán, O)

Bautista, LE (Co-Principal Investigator)

Funding agency: Metropolitan Public Health Service 2000-2004

Study: Prevalence of Risk Factors for Non-Transmissible Chronic Diseases in Bucaramanga, Colombia. Baseline CINDI/CARMEN Survey.

Description: Cross-sectional study 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)

Bautista, LE (Co-Principal Investigator)

Funding agency: COLCIENCIAS

2001-2004

Study: Early inflammatory markers of severity in patients with dengue fever

Description: To identify early inflammatory markers associated with progression to hemorrhagic dengue in a cohort of infected patients.

(Principal Investigator: Villar, L)

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.
Goal: To pool high 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.

d. Submitted proposals

- Stroke Prevention in the Wisconsin Native American Population; WPP/CHSP, Co-I, 2021-2022.
- Stroke Prevention in the Wisconsin Native American Population; NIH/R21, Co-I; scored, not funded.
- Role of BCG vaccine in the prognosis of COVID-19 patients; Fast Grants, PI, not funded.
- Sensitivity of RT-PCR pool testing by binary splitting for diagnosis of SARS-CoV-2 infection; FONDOCyT, Co-PI, under review.
- Corticotropin hormone levels in hair as novel markers of chronic psychosocial stress and risk factors for development of immune dysfunction and metabolic syndrome; FONDOCyT; PI, funded.
- Development of composite tests for the assessment of psychosocial stress; NIH, PI, under review.

- "Unique Factors Contributing to Disparity in Stroke and Vascular Cognitive Impairment in Native American Tribal Members", Co-I, not funded.

I. PROFESSIONAL SERVICE

a. Professional Service on Review Panels

- 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/Wellcome Trust, UK
- 2005- Proposal Reviewer, Biomedical Research Council, Singapore
- 2015 NIH/SREA Reviewer for NIEHS study Section, April 2015 (ZES1 LKB-D C 1, Clinically - Related and Environmental Health Training Careers)
- 2016 NCI Exploratory Grant (P20) applications for Regional Centers of Research Excellence in Non-communicable Diseases (NCDs) in Low and Middle Income Countries - Review meeting October 25, 2016
- 2018 Population Sciences and Epidemiology (PSE) Integrated Review Group, Center for Scientific Review, National Institutes of Health, March 2018.
- 2018 NIH/CSR Anonymization Study, February 2018
- 2019 Special Emphasis Panels. Multi-ethnic Study of Atherosclerosis (MESA): Field Centers, NIH, May 2019.
- 2019 Special Emphasis Panels. Multi-ethnic Study of Atherosclerosis (MESA): Coordinating Center. NIH. May 2019.
- 2014 NIH/Social Sciences and Population Sciences (SSPB), Population Sciences and Epidemiology (PSE) Integrated Review Group (IRG), October 2014
- 2008- NIH Reviewer on different panels (Population Sciences and Epidemiology (PSE) Integrated Review Group; Social Sciences and Population Studies Study Section; International and Cooperative Projects -1 [ICP1])
- 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. Service at the University of Wisconsin (last 5 years)

- PHS Qualifier Exam, Chair
- Epi Program Steering Committee
- MPH Admissions Committee
- University Library Committee

c. Journal Reviewer Service

- 2019- Associate Editor, *Lipids in Health and Disease*

2019- Member Editorial Board, *Journal of Public Health and Emergency*
2011-2019 Member Editorial Board, *American Journal of Hypertension*
2020- Associate Editor *BMC Public Health*

Regular reviewer for the following journals:

American Journal of Hypertension

Annals of Epidemiology

Atherosclerosis

BMC Medical Genetics

BMC Cardiovascular Disorders

BMC Public Health

Circulation

European Heart Journal

European Journal of Clinical Nutrition

Hypertension

Lancet

Journal of the American Medical Association

Archives of Internal Medicine

Sleep

International Journal of Cardiology

Medical Science Monitor