

Curriculum vitae

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Experience:

- 1996 – Present Epidemiologist, National Office of Public Health Genomics, Centers for Disease Control, Atlanta, Georgia
- 1994 - 1996 Research Assistant Professor. Tulane Center for Cardiovascular Health, Tulane University Medical Center, School of Public Health and Tropical Medicine, Department of Community Health, New Orleans, Louisiana

Studies and training

- 1991 - 1994 Postdoctoral fellow at the University of Texas Health Science Center, Department of Medicine, Division of Clinical Epidemiology, San Antonio, Texas.
Supervisor: Dr. Michael P. Stern
- 1985 - 1991 Graduate student at Penn State University, University Park, Pennsylvania, Department of Anthropology. Dissertation topic: Non-insulin-dependent diabetes mellitus in Mvskoke Indians. Degree: Ph.D. in Physical Anthropology (May 1991).
Thesis Advisor: Dr. Kenneth M. Weiss
- 1981 - 1985 Graduate studies at the Laboratory of Human Genetics, Venezuelan Institute of Scientific Investigations, Caracas, Venezuela. Thesis topic: The founder effect and the spreading of lethal genes. Degree: M.Sc. (Human Genetics).
Thesis Advisor: Dr. Alvaro Rodríguez-Larralde
- 1975 - 1981 Undergraduate studies at Simón Bolívar University, Caracas, Venezuela. Biology Program. Thesis topic: blood pressure and urinary catecholamines in a Venezuelan Black population. Degree: Biologist.
Thesis Advisor: Dr. Alvaro Rodríguez-Larralde

Honors

American Diabetes Association Mentor-Based Postdoctoral Fellowship (1991 - 1994)

A Developing Countries Training Fellowship from Wenner-Gren Foundation for Anthropological Research (1985-1991)

Magna Cum Laude (M.Sc. degree)

Professional experience

Epidemiologist, 2006 -- present, Centers for Disease Control and Prevention, National Office of Public Health Genomics, Atlanta, Georgia.

Epidemiologist, 1996 -- 2006, Centers for Disease Control and Prevention, Division of Diabetes Translation, Atlanta, Georgia.

Research Assistant Professor, 1994-96, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana.

Postdoctoral fellow, 1991-94, University of Texas Health Science Center, Division of Clinical Epidemiology, San Antonio, Texas.

Teaching Assistant, Spring 1991, Department of Anthropology, Penn State University.

Research assistant, 1987-91, Laboratory of Anthropological Genetics, Penn State University.

Instructor of general genetics (laboratory), Spring 1985, Simón Bolívar University, Venezuela.

Research assistant, 1981-85, Laboratory of Human Genetics, Venezuelan Institute of Scientific Investigations.

Book Reviews

Antropología Biológica de los Indios Americanos by Michael H. Crawford. Editorial MAPFRE, Madrid. *For Human Biology*, 1992.

Diabetes Mellitus in the Elderly by James W. Cooper (Editor). Pharmaceutical Products Press. *For Social Science and Medicine* 2001; 52:1610.

Book Chapters

Weiss KM, Buchanan AV, **Valdez R**, Moore JH, Campbell J (1993) Amerindians and the price of modernisation. In *Urban Health and Ecology in the Third World*; LM Schell, MT Smith, A Bilborough (Eds.). Cambridge University Press. pp. 221-243.

Valdez R, Williamson DF. Prevalence and demographics of obesity. In *Eating Disorders and Obesity*. Chapter 75, second edition. C.G. Fairburn and KD Brownell (Editors). The Guilford Press, New York, 2002.

Valdez R, Gregg EW, Williamson DF. Effects of weight loss on morbidity and mortality. In *Eating Disorders and Obesity*. Chapter 88, second edition. C.G. Fairburn and KD Brownell (Editors). The Guilford Press, New York, 2002.

Imperatore G, **Valdez R**, Burke W. Hereditary Hemochromatosis. In *Human Genome Epidemiology*, Chapter 28. Khoury M, Little J, Burke W (Editors). Oxford University Press, New York, 2004.

Papers & Publications

Valdez R, Rodríguez-Larralde A (1988) SIMULAPOP, a Monte Carlo simulation of a small Venezuelan population (Spanish). *Acta Científica Venezolana* 39: 32-40.

Ferrell RE, Kamboh MI, Majumder PP, **Valdez R**, Weiss KM (1990) Genetic studies of human apolipoproteins. XIII. Quantitative polymorphism of Apolipoprotein C-III in the Mayans of the Yucatán Peninsula. *Human Heredity* 40: 127-135.

Ahn YI, **Valdez R**, Reddy AP, Weiss KM, Ferrell RE (1991) DNA polymorphisms of the apolipoprotein AI/CIII/AIV gene cluster influence plasma cholesterol and triglyceride levels in the Mayan. *Human Heredity* 41: 281-289.

Valdez R (1991) A simple model-based index of abdominal adiposity. *Journal of Clinical Epidemiology* 44: 955-956.

Haffner SM, Mitchell BD, **Valdez R**, Hazuda HP, Morales PA, Stern MP (1992) 8-year incidence of hypertension in Mexican Americans and non-Hispanic whites: the San Antonio Heart Study. *American Journal of Hypertension* 5: 147-153.

Mitchell BD, Haffner SM, Hazuda HP, **Valdez R**, Stern MP (1992) The relation between serum insulin levels and 8-year changes in lipid, lipoproteins, and blood pressure levels.

American Journal of Epidemiology 136: 12-22.

Haffner SM, **Valdez R**, Hazuda HP, Mitchell BD, Morales PA, Stern MP (1992) A prospective analysis of the Insulin Resistant syndrome (Syndrome X).
Diabetes 41: 715-722.

Haffner SM, **Valdez R**, Morales PA, Mitchell BD, Hazuda HP, Stern MP (1992) Greater effect of glycemia on the incidence of hypertension in women than in men.
Diabetes Care 15: 1277-1284.

Haffner SM, Gruber K, Morales PA, **Valdez R**, Stern MP (1992) Lp(a) concentrations in Mexican Americans and non-Hispanic whites: the San Antonio Heart Study.
American Journal of Epidemiology 136: 1060-1068.

Stern MP, Morales PA, Haffner SM, **Valdez R** (1992) Hyperdynamic circulation and the Insulin Resistance Syndrome ("Syndrome X").
Hypertension 20: 802-808.

Valdez R, Seidell JC, Ahn YI, Weiss KM (1993) A new index of abdominal adiposity as indicator of risk for cardiovascular disease. A cross-population study.
International Journal of Obesity 17: 77-82.

Stern MP, González C, Hernández M, Knapp JA, Hazuda HP, Villalpando E, **Valdez RA**, Haffner SM, Mitchell BD (1993) Performance of semiquantitative food frequency questionnaires in international comparisons: Mexico City vs. San Antonio, TX.
Annals of Epidemiology 3: 300-307.

Morales PA, Mitchell BD, **Valdez R**, Hazuda HP, Stern MP, Haffner SM (1993) Incidence of non-insulin dependent diabetes mellitus and impaired glucose tolerance in hypertensive subjects: the San Antonio Heart Study.
Diabetes 42: 154-161.

Mitchell BD, Williams-Blangero S, Chakraborty R, **Valdez R**, Hazuda HP, Haffner SM, Stern MP (1993) A comparison of three methods for assessing Amerindian admixture in Mexican-Americans.
Ethnicity and Disease 3: 22-31.

González-Villalpando C, Stern MP, **Valdez R**, Mitchell BD, Haffner SM (1993) Blood lipid levels and atherogenic risk in an open urban population [Spanish].
Revista de Investigación Clínica 45: 127-132.

Stern MP, Morales PA, **Valdez RA**, Monterrosa A, Haffner SM, Stern MP (1993) Predicting diabetes: moving beyond impaired glucose tolerance.
Diabetes 42: 706-714.

Stern MP, **Valdez R**, Haffner SM, Mitchell BD, Hazuda HP (1993) Stability over time of modern diagnostic criteria for type II diabetes.

Diabetes Care 16: 978-983.

Haffner SM, **Valdez R**, Morales PA, Hazuda HP, Stern MP (1993) Decreased sex hormone binding globulin predicts non-insulin dependent diabetes mellitus in women but not in men.

Journal of Clinical Endocrinology and Metabolism 77: 56-60.

Haffner SM, Mykkänen L, Stern MP, **Valdez RA**, Heisserman JA, Bowsher RR (1993) Relationship of proinsulin and insulin to cardiovascular risk factors in non-diabetic subjects.

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Mitchell BD, **Valdez R**, Hazuda HP, Haffner SM, Monterrosa A, Stern MP (1993) Differences in the prevalence of diabetes and impaired glucose tolerance according to maternal or paternal history of diabetes.

Diabetes Care 16: 1262-1267.

Haffner SM, Diehl AK, **Valdez R**, Mitchell BD, Hazuda HP, Morales P, Stern MP (1993) Clinical gallbladder disease in subjects with non-insulin dependent diabetes mellitus: relationship to duration of diabetes and severity of glycemia.

Diabetes Care 16: 1276-1284.

Haffner SM, González C, **Valdez RA**, Mykkänen L, Hazuda HP, Mitchell BD, Monterrosa A, Stern MP (1993) Is microalbuminuria part of the prediabetic state? The Mexico City Diabetes Study.

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Haffner SM, **Valdez R**, Stern MP, Katz MS (1993) Obesity, body fat distribution and sex hormones in men.

International Journal of Obesity 17: 643-649.

Haffner SM, Mykkänen L, **Valdez R**, Katz MS (1993) Relationship of sex hormones to lipids and lipoproteins in nondiabetic men.

Journal of Clinical Endocrinology and Metabolism 77: 1610-1615.

Haffner SM, Frangos M, Williamson J, Santiago J, **Valdez R**, Aldrete G, Mykkänen L, Gruber KK, Rainwater DL (1994) Lp(a) concentrations and phenotypes in subjects with insulin dependent diabetes mellitus.

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Valdez R, Mitchell BD, Haffner SM, Hazuda HP, Morales PA, Monterrosa A, Stern MP (1994) Predictors of weight change in a bi-ethnic population. The San Antonio Heart

Study.

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González C, Stern MP, Mitchell BD, **Valdez RA**, Haffner SM, Arredondo-Pérez B (1994) Clinical characteristics of type II diabetic subjects consuming high vs. low carbohydrate diets in Mexico City and San Antonio, Texas.
Diabetes Care 17: 397-404.

Haffner SM, **Valdez RA**, Mykkänen L, Stern MP, Katz MS (1994) Decreased testosterone and dehydroepiandrosterone sulfate concentrations are associated with increased glucose and insulin concentrations in men.
Metabolism Clinical and Experimental 43: 599-603.

Valdez R, Athens MA, Thompson GH, Bradshaw BS, Stern MP (1994) Birthweight and adult health outcomes in a biethnic population in the USA.
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Kahn HS, Narayan KM, **Valdez R** (1998) Prenatal exposure to famine and health in later life. Lancet 1998; II 351: 1360-2.

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Journal of Pediatrics 136: 664-72.

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Kahn HS, Narayan KM, Williamson DF, **Valdez R** (2000) Relation of birth weight to lean and fat thigh tissue in young men.

International Journal of Obesity 24: 667-72.

Seidell JC, Kahn HS, Williamson DF, Lissner L, **Valdez R** (2001) Report from a Centers for Disease Control and Prevention Workshop on use of adult anthropometry for public health and primary health care.

American Journal of Clinical Nutrition 73: 123-6.

Kahn HS, Ravindranath R, **Valdez R**, Narayan KM (2001) Fingerprint ridge-count difference between adjacent fingertips (dR45) predicts upper-body tissue distribution: evidence for early gestational programming.

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Kahn HS, **Valdez R** (2002). Fatty acid composition of abdominal adipose tissue (letter).
Am J Clin Nutr 75: 1123.

Benjamin SM, **Valdez R**, Vinicor F (2002) Diabetes prevention (letter).
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Youssef AA, **Valdez R**, Elkasabany A, Srinivasan SR, Berenson GS (2002). Time-course of adiposity and fasting insulin from childhood to young adulthood in offspring of parents with coronary artery disease: the Bogalusa Heart Study.
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Venkat Narayan KM, Gregg EW, Fagot-Campagna A, Gary TL, Saaddine JB, Parker C, Imperatore G, **Valdez R**, Beckles G, Engelgau MM (2003). Relationship between quality of diabetes care and patient satisfaction.
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Adults With Prediabetes in the U.S. in 2000: Opportunities for prevention.
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Kahn HS, **Valdez R**. Metabolic risks identified by the combination of enlarged waist and elevated triacylglycerols.
American Journal of Clinical Nutrition 2003; 78: 928-934.

Mzayek F, Sherwin R, Fonseca V, **Valdez R**, Srinivasan SR, Cruickshank JK, Berenson GS. Differential Association of Birth Weight with Cardiovascular Risk Variables in Blacks and Whites: The Bogalusa Heart Study.
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Archer SL, Greenlund KJ, **Valdez R**, Casper ML, Rith-Najarian S, Croft JB. Differences in food habits and cardiovascular disease risk factors among Native Americans with and without diabetes: the Inter-Tribal Heart Project.
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Diabetes Care 2005; 28: 1321-1325.

Hariri S, Yoon PW, Qureshi N, **Valdez R**, Scheuner MT, Khoury MJ. Family history of type 2 diabetes: a population-based screening tool for prevention?
Genet Med 2006; 8: 102-108.

Janssens AC, Gwinn M, **Valdez R**, Narayan KM, Khoury MJ. Predictive genetic testing for type 2 diabetes (letter).
BMJ 2006; 333: 509-510.

Hariri S, Yoon PW, Moonesinghe R, **Valdez R**, Khoury MJ. Evaluation of family history as a risk factor and screening tool for detecting undiagnosed diabetes in a nationally representative survey population.
Genet Med 2006; 8: 752-759.

Valdez R, Yoon PW, Liu T, Khoury MJ. Family history and prevalence of diabetes in the US population: 6-year results from the National Health and Nutrition Examination Survey (NHANES, 1999 2004).
Diabetes Care 2007; 30: 2517-2522.

Valdez R, Greenlund KJ, Khoury MJ, Yoon PW. Is family history a useful tool for detecting children at risk for diabetes and cardiovascular diseases? A public health

perspective.

Pediatrics 2007; 120 (Supp 2): S78-86.

Sánchez-Viveros S, Barquera S, Medina-Solis CE, Velázquez-Alva MC, **Valdez R**.

Association between diabetes mellitus and hypertension with anthropometric indicators in older adults: results of the Mexican Health Survey, 2000.

J Nutr Health Aging 2008; 12: 327-333.

Khoury MJ, **Valdez R**, Albright A. Public health genomics approach to type 2 diabetes.

Diabetes 2008; 57: 2911-2914.