

CURRICULUM VITAE
Cristina S. Barroso, Dr.P.H.

University of Texas Health Science Center at Houston
School of Public Health
Brownsville Regional Office
80 Fort Brown, SPH Bldg., N1.202D
Brownsville, TX 78520
(956) 882-5180
(956) 882-5152 fax
Cristina.S.Barroso@uth.tmc.edu
Cristina.S.Barroso@utb.edu

EDUCATION

Doctor of Public Health, 1998 – 2005; University of Texas Health Science Center at Houston, School of Public Health, Dissertation Topic: *Adiposity and the Perilipin Gene: The Role of Single Locus and Multilocus Variation, Obesity-Related Quantitative Traits, and Disease-Related Phenotypes in the Atherosclerosis Risk in Communities (ARIC) Study.*

Masters of Public Health, 1994 – 1998; University of Texas Health Science Center at Houston, School of Public Health, Masters Topic: *Smoking Prevalence and Acculturation Among Women in Diverse Hispanic Populations.*

Bachelor of Science, 1987 – 1991; University of Michigan at Ann Arbor, Major in Biology.

CURRENT POSITION

Assistant Professor of Health Promotion and Behavioral Sciences, University of Texas Health Science Center at Houston, School of Public Health (UTSPH), Brownsville Regional Campus (2005 to present).

FACULTY STATUS AT UTSPH BROWNSVILLE

Tenure track 2005-present

FORMER POSITIONS

Graduate Assistant, Human Genetics Center, UTSPH; 2000-2005.

- Atherosclerosis Risk in Communities (ARIC) Study

Graduate Assistant, Center for Health Promotion and Prevention Research, UTSPH; 2000-2005.

- Data analyst: School Physical Activity and Nutrition (SPAN) Surveillance System
- Data analyst/Manager: Coordinated Approach to Child Health (CATCH) Texas
- Data analyst/Manager: Coordinated Approach to Child Health (CATCH) Kids Club

Research Coordinator, Chronic Disease Prevention and Control Research Center, Baylor College of Medicine, Houston, TX; 1997-1999, National Hispanic Leadership Initiative on Cancer: En Acción.

Pre-Doctoral Fellow, Center of Health Promotion Research and Development, UTSPH; 1995-1998. National Cancer Institute, Behavioral Aspects of Cancer Prevention and Control Research.

Research Assistant, Center of Health Promotion Research and Development, UTSPH; 1995-1998.

- Study coordinator and newsletter writer: Students for Peace & Harmony: Race Relations Intervention
- Data collection team member: Gender & Ethnic Differences in Youth Smoking
- Middle school liaison: Students for Peace: Violence Prevention

Research Assistant, Division of Gastroenterology, Henry Ford Health System, Detroit, MI; 1992-1994.

MAJOR PROFESSIONAL INTERESTS

- Epidemiology and genetics of obesity and type II diabetes: prevalence, incidence, determinants, and identification of genes and mutations involved in common chronic diseases
- Design and analysis of health promotion interventions; i.e., targeting underserved communities.
- Youth interventions: nutrition and physical activity promotion and tobacco prevention.
- Use of the mass media to promote health promotion interventions.

TEACHING

- PH1239 Theories of Child and Adolescent Development, UTSPH (2005)
- Guest lecturer, PEP 6306 Gender and Cultural Differences in Fitness, graduate level course, University of Houston, *The Coordinated Approach to Child Health (CATCH): the Texas Experience* (Fall 2004)
- Guest lecturer, PH 3235 Public Health Nutrition, UTSPH, *Nutrient-Gene Interactions* (2002-2003)
- Guest lecturer, PH 7115 Health Promotion Theory and Methods I, UTSPH, *The Use of Theory in Public Health Interventions* (Fall 2001)
- Guest lecturer, PH 7115 Health Promotion Theory and Methods I, UTSPH, *The Pan-Theoretical Model* (Fall 1998)
- Facilitator for problem-based learning group, PH 7115 Health Promotion Theory and Methods I, UTSPH (1997-2003)

PROFESSIONAL ORGANIZATION MEMBERSHIPS

- American Public Health Association (APHA)
- NAASO, The Obesity Society
- American School Health Association (ASHA)

GRANT REVIEW PANEL

- American School Health Association, School Health Index Mini-grants (2006)
- Robert Wood Johnson Foundation, Active Living Research (2006)

MANUSCRIPT REVIEWER

- Journal of School Health

BOOK REVIEWER

- Society of Nutrition Education, reference book on gene-nutrient interactions. Available at: SNEEZE_L@RUTGERS.EDU (2002)

FELLOWSHIPS & HONORS

- **Outstanding Student Paper Award**, American School Health Association, October 2003.
- **University of Texas Health Science Center at Houston Minority Faculty Association Merit Scholarship**, January 2002.
- **Participant**, First Annual Short Course on Statistical Genetics for Obesity and Nutrition Researchers at the University of Alabama at Birmingham, May 15-18, 2001.
- **Pre-Doctoral Fellow**, Leadership Education in Adolescent Health Training Program, Maternal and Child Health Bureau, Adolescent Medicine and Sports Medicine, Baylor College of Medicine, Houston, TX; Interdisciplinary Team Approach Training in Adolescent Health Care, 1999-2000.
- **Pre-Doctoral Fellow**, National Cancer Institute, Center of Health Promotion Research and Development, UTSPH; Behavioral Aspects of Cancer Prevention and Control Research, 1995-1998.
- **University of Texas Health Science Center at Houston Minority Faculty Association Merit Scholarship**, January 1996.

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. **Barroso CS**, McCullum-Gomez C, Hoelscher DM, Kelder SH, Murray NG. Self-Reported barriers to quality physical education by physical education specialists in Texas. *Journal of School Health*, 2005; 75(8):313-319.
2. Kelder SH, Hoelscher, DM, **Barroso CS**, Walker JL, Cribb P, Hu S. The CATCH Kids Club: a pilot after-school study for improving elementary students' nutrition and physical activity. *Public Health Nutrition*. 2005; 8(2):133-140.
3. McCullum C, Hoelscher DM, Eagan JM, Ward JL, Kelder SH, **Barroso CS**. Evaluation of the implementation of the CATCH Eat Smart school nutrition program in Texas. *The Journal of Child Nutrition & Management*. 2004; 28(1): Available at: <http://www.asfsa.org/childnutrition/jcnm/04spring/mccullum/>.
4. Heck AL, **Barroso CS**, Callie ME, Bray MS. Gene-nutrition interaction in human performance and exercise response. *Nutrition*. 2004; 20(7-8):598-602.

5. Kelder SH, Prokhorov, AP, **Barroso CS**, Murray N, Orpinas P, McCormick L. Smoking differences among African American, Hispanic, and White middle school students in an urban setting. *Addictive Behaviors*. 2003; 28(3):513-522.
6. McAlister AL, Ama E, **Barroso C**, Peters RJ, Kelder S. Promoting tolerance and moral engagement through peer modeling. *Cultural Diversity and Ethnic Minority Psychology*. 2000; 6(4):363-373.
7. Ramirez AG, Suarez L, Laufman L, **Barroso C**, Chalela P. Hispanic women's breast and cervical cancer knowledge, attitudes, and screening behaviors. *American Journal of Health Promotion*. 2000; 14(5):292-300.

MANUSCRIPTS SUBMITTED AND UNDER REVIEW

1. McCullum-Gomez C, **Barroso CS**, Hoelscher DM, Kelder SH. Factors influencing implementation of the Coordinated Approach to Child Health (CATCH) Eat Smart school nutrition program in Texas. *Journal of the American Dietetic Association*, Submitted for Publication.
2. Peters R, Kelder S, Conroy J, Murray N, Orpinas P, **Barroso C**. Youth exposure to community violence: association with aggression, victimization, and risk behaviors. *Journal of Agression, Maltreatment, and Trauma*, Submitted for Publication.
3. Hoelscher DM, Kelder SH, McCullum C, Cribb P, **Barroso CS**, Walker J, Murray N. Dissemination of a coordinated elementary school nutrition and physical activity program in Texas: The Coordinated Approach to Child Health (CATCH) experience. *Public Health Nutrition*, Submitted for Publication.

SYMPOSIA PROCEEDINGS (PEER REVIEWED)

1. Rentfro A, Innis-Whitehouse W, Pones RM, Nino J, **Barroso CS**, Fisher-Hoch S. Evidence against mass screening for acanthosis nigricans: Relationships with insulin resistance and waist circumference in Mexican American adolescents. Presentation at the 17th International Nursing Research Congress Focusing on Evidence-Based Practice, Montreal, Quebec, Canada, July 19-22, 2006.
2. **Barroso CS**, Hoelscher DM, Kelder SH, Frankowski RF, Ward JL, Lee ES, Day RS, Edmundson EW. What is the relationship between sweet drinks and overweight in 4th, 8th, and 11th grade Texas public school children? Presentation at the American Public Health Association 133rd Annual Meeting, Philadelphia, PA, December 10-14, 2005.
3. **Barroso CS**, Hoelscher DM, Kelder SH, McCullum-Gomez C, Ward JL, Cribb P. Use of the Coordinated Approach To Child Health (CATCH) program in Texas elementary schools. Poster presented at the American Public Health Association 133rd Annual Meeting, Philadelphia, PA, December 10-14, 2005.
4. Edmundson EW, Hoelscher DM, Kelder SH, **Barroso CS**, Rodriguez LM. Prevalence patterns of milk and sugar sweetened beverage consumption among 4th, 8th, and 11th grade students: Empirical support for restricting accessibility to vending machines and other "competitive foods" at middle school and junior high campuses. Poster presented at the American Public Health Association 133rd Annual Meeting, Philadelphia, PA, December 10-14, 2005.

5. Kelder SH, **Barroso CS**, Hoelscher DM. Urban rural differences in body mass index and overweight among a representative sample of Texas public school children. Poster presented at the American Public Health Association 133rd Annual Meeting, Philadelphia, PA, December 10-14, 2005.
6. Kelder SM, Hoelscher DM, Cribb PW, Ward JL, **Barroso CS**, Murraray NG. History and overview of CATCH: The Coordinated Approach To Child Health. Presentation at the American Public Health Association 133rd Annual Meeting, Philadelphia, PA, December 10-14, 2005.
7. Hoelscher DM, Kelder S, **Barroso C**, Frankowski R, Lee ES, Day R, Ward J. Prevalence of BMI ≥ 30 <40 and BMI ≥ 40 in Texas schoolchildren in grades 4, 8, and 11 in 2000-2002. *Obesity Research*, 2004; 12(Suppl):A221. Poster presented at the North American Association for the Study of Obesity (NAASO) Annual Meeting, November 17, 2004.
8. **Barroso CS**, Hoelscher DM, Kelder SH, McCullum C, Ward JL, Cribb P, Murray N. Implementation of the Coordinated Approach to Child Health (CATCH) in Texas [abstract]. *Preventing Chronic Disease* [serial online] 2004 Apr [April 1, 2004]: Available at: http://www.cdc.gov/pcd/issues/2004/apr/03_0034b.htm. Presentation at the 18th National Conference on Chronic Disease Prevention and Control, Washington, DC, February 18-20, 2004.
9. **Barroso CS**, Kelder SH, Hoelscher DM, Ward J, Day RS, Lee E, Frankowski R. Prevalence of soda, milk, fruit juice, and punch consumption among Texas 4th, 8th, and 11th graders. Poster presented at the 18th National Conference on Chronic Disease Prevention and Control, Washington, DC, February 18-20, 2004.
10. Hoelscher DM, Kelder SH, **Barroso CS**, McCullum C, Cribb PW, Ward JL, Murray N. Evaluation of Senate Bill 19 implementation after coordinated school health training in Texas. Poster presented at the 18th National Conference on Chronic Disease Prevention and Control, Washington, DC, February 18-20, 2004.
11. Hoelscher DM, Kelder SH, **Barroso CS**, Day RS, Ward JL, Lee ES, Frankowski R. Prevalence of overweight among 4th, 8th, 11th grade students in Texas in 2000-2001 and 2001-2002. Poster presented at the 18th National Conference on Chronic Disease Prevention and Control, Washington, DC, February 18-20, 2004.
12. Kelder SH, Hoelscher DM, McCullum C, Cribb P, **Barroso CS**. Dissemination of a coordinated school health program to meet Texas Senate Bill 19 requirements. Presentation at the American Public Health Association 131st Annual Meeting, San Francisco, CA, November 15-19, 2003.
13. McCullum C, Hoelscher D, Ward J, **Barroso C**, Kelder S. Program materials enhance implementation of the CATCH Eat Smart school nutrition program. *Journal of the American Dietetic Association*, 2003; 103(9):A-99. Poster presented at the American Dietetic Association Food & Nutrition Conference & Expo, San Antonio, TX, October 25-28, 2003.
14. **Barroso CS**, McCullum C, Hoelscher DM, Kelder S. Self-reported barriers to quality physical education by physical education specialists in Texas. Presentation at the 77th Annual School Health Conference of the American School Health Association, El Paso, TX, October 15-18, 2003.
15. **Barroso C**, Tessier D, Bray M. The association between interindividual variation within the human perilipin gene and obesity-related measures and plasma lipids

- among a sample of White Americans and African Americans. *Obesity Research*, 2003; 11(Suppl):A14. Presentation at the North American Association for the Study of Obesity 2003 Annual Scientific Meeting, Fort Lauderdale, FL, October 11-15, 2003.
16. McCullum C, Hoelscher D, Kelder S, Ward J, **Barroso C**. Evaluation of the implementation of the Eat Smart school nutrition program in Texas. *Society for Nutrition Education Annual Conference Proceedings*, 2003; 36(1):30. Presentation at the Society for Nutrition Education 36th Annual Conference, Philadelphia, PA, July 26-31, 2003.
 17. McCullum C, Hoelscher D, Kelder S, Ward J, **Barroso C**, Cribb P, Walker J, Murray N. Self-reported barriers to implementing school-based child nutrition and physical education goals. *Society for Nutrition Education Annual Conference Proceedings*, 2003; 36(1):39. Presentation at the Society for Nutrition Education 36th Annual Conference, Philadelphia, PA, July 26-31, 2003.
 18. **Barroso CS**, Kelder SH, Hoelscher DM, Lee ES, Scheurer M, Frankowski R, Day RS, Ward J. Who is sedentary? Ethnic and gender differences among a probability sample of 4th grade Texas public school children. Poster presented at the US Department of Health and Human Services Region VI: Weighing Down Obesity and Obesity-Related Chronic Diseases Conference, New Orleans, LA, August 7-8, 2003.
 19. **Barroso CS**, McCullum C, Kelder SH, Hoelscher D. Evaluation of the implementation of the Coordinated Approach to Child Health (CATCH) program in Texas among physical education specialists. Poster presented at the 8th Annual School of Public Health Student Research Symposium, University of Texas Health Science Center at Houston, Houston, TX, March 14, 2003.
 20. McCullum C, Eagan JM, Hoelscher DM, **Barroso CS**, Ward JL, Kelder SH. Dissemination of the Eat Smart School nutrition program using two different training models. Presentation at the US Department of Agriculture Food and Nutrition Service National Nutrition Education Conference, Washington, DC, February 24-26, 2003.
 21. McCullum C, Eagan J, Hoelscher DM, **Barroso C**, Ward J, Kelder SH. Dissemination of the Eat Smart school nutrition program in Texas. Abstract presented at the 17th National Conference on Chronic Disease Prevention and Control, St. Louis, MO, February 19-21, 2003.
 22. **Barroso CS**, Hoelscher D, Kelder S. Nutrition and physical activity knowledge and behaviors of elementary school children in after-school programs. *American Journal of Clinical Nutrition*, 2002; 75(2S):342S. Presentation at the First Annual Nutrition Week, San Diego, CA, February 23-27, 2002.
 23. **Barroso CS**, Hoelscher D, Boerwinkle E, Bray MS. Dietary fat intake modulates the association between the apolipoprotein E polymorphism and cardiovascular disease risk. *Obesity Research*, 2001; 9(Suppl 3):89S. Presentation at the North American Association for the Study of Obesity 2001 Annual Scientific Meeting, Quebec City, Quebec, Canada, October 7-10, 2001.
 24. **Barroso CS**, Hoelscher D, Bray M. Preliminary analyses of the association between variation in the apolipoprotein E gene, dietary fat intake, and cardiovascular disease risk factors among African Americans in the Atherosclerosis Risk in Communities Study. Poster presented at the 6th Annual School of Public Health Student Research

- Symposium, University of Texas Health Science Center at Houston, Houston, TX, April 5, 2001.
25. Murray N, Hoelscher D, Kelder S, Parcel G, **Barroso C**, Cribb P. Coordinated Approach to Child Health (CATCH): Evaluation of the dissemination of the CATCH program in Texas. Presentation at the 15th National Conference on Chronic Disease Prevention and Control, Washington, DC, November 29 – December 1, 2000.
 26. Kelder SH, Hoelscher DM, **Barroso CS**. Moderate to vigorous physical activity among elementary school children in after school daycare setting. Presentation at the American Public Health Association 128th Annual Meeting, Boston, MA, November 12-16 2000.
 27. **Barroso CS**, Hoelscher DM, Kelder SH. Nutrition knowledge and intentions of elementary school children attending after-school programs. Poster presented at the American Public Health Association 128th Annual Meeting, Boston, MA, November 12-16, 2000.
 28. Kelder SH, Hoelscher D, **Barroso CS**, Cribb P, Walker J. The CATCH Kids Club: An after school physical activity and healthy eating intervention. Poster presented at the University of Texas Health Science Center at Houston Faculty Symposium, Houston, TX, October 6, 2000.
 29. Kelder SH, Murray N, Hoelscher D, Cribb P, **Barroso CS**. CATCH: a Coordinated Approach to Child Health. Poster presented at the University of Texas Health Science Center at Houston Faculty Research Day, Houston, TX, October 6, 2000.
 30. **Barroso CS**, Hoelscher D, Kelder S. Coordinated Approach to Child Health (CATCH) Kids Club. Poster presented at the 5th Annual School of Public Health Student Research Symposium, University of Texas Health Science Center at Houston, Houston, TX, March 30, 2000.
 31. **Barroso CS**, Chalela P. National Hispanic Leadership Initiative on Cancer En Acción: Diverse Hispanic women's smoking and breast cancer screening behaviors. Presentation at the 1998 National Farmworker Health Conference, Houston, TX, May 15-17, 1998.
 32. **Barroso CS**. Results from data on race relations among youth attending a diverse urban high school. Presentation at the 1998 Joint National Conferences: National Association of African American Studies, National Association of Hispanic and Latino Studies, National Association of Native American Studies, International Association of Asian Studies, Houston, TX, February 10-14, 1998.
 33. McAlister A, **Barroso CS**. Promoting tolerance and acceptance through peer modeling and behavioral journalism. Presentation at the 11th Annual Conflict Resolution Education Network/National Institute for Dispute Resolution Conference, Dallas, TX, July 2, 1997.
 34. Kelder SH, Lillard J, McCormick L, **Barroso CS**. Understanding youth ethnic smoking variation by interviewing adults. Presentation at the American Public Health Association 124th Annual Meeting, New York, NY, November 17-21 1996.

SCIENTIFIC PRODUCT

1. Contributing writer and personality of "Genetics, Health, and You!: Genes & Genetics; Genes & Heredity, Genes & Family Trees" in *Health Education and Discovering Science (while) Unlocking Potential (HEADS UP)*, 6th Grade Science

Curriculum, University of Texas Health Science Center at Houston, School of Public Health, June 2002.

FUNDED RESEARCH (CURRENT)

1. **Principal Investigator.** *The Impact of Senate Bill 42 on Middle School Children's Level of Physical Activity.* To assess the effects of Texas physical activity legislation on middle school students and school programs and policies. Robert Wood Johnson Foundation. Overall grant \$49,985 for 18 months.

STUDENTS – IN PROGRESS

MPH

Ewah, Obia U. – Advisor

Bautista, Lorraine E. – Member

Revised November 2006