

# GABRIEL Q. SHAIBI, PHD

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## EDUCATION/TRAINING:

- 09/2008 – 09/2010 **Early Career Faculty Fellow in Health Disparities Research**  
Southwest Interdisciplinary Research Center  
Arizona State University
- 08/2006 – 08/2008 **Postdoctoral Fellowship**  
Insulin Resistance and Type 2 Diabetes  
Arizona State University
- 08/2001 – 05/2006 **Doctor of Philosophy**  
Biokinesiology and Physical Therapy  
Thesis: Cardiovascular Fitness, Exercise, and Metabolic Disease Risk in Overweight Latino Youth.  
Department of Biokinesiology and Physical Therapy  
University of Southern California  
Mentors: Michael I. Goran, PhD and George J. Salem, PhD
- 08/1994 – 05/1998 **Bachelor of Arts**  
Kinesiology (with Honors)  
Occidental College, Los Angeles, CA

## FACULTY APPOINTMENTS:

- 08/2013 - Current **Associate Professor – Southwest Borderland Scholar**  
College of Nursing & Health Innovation (CONHI)  
Arizona State University
- 08/2013 - Current **Associate Professor**  
Kinesiology Program – School of Nutrition and Health Promotion (SNHP)  
Arizona State University
- 08/2008 - Current **Faculty Affiliate**  
MAYO / ASU Center for Metabolic and Vascular Biology  
Arizona State University
- 08/2010 - Current **Faculty Affiliate**  
Southwest Interdisciplinary Research Center  
Arizona State University
- 08/2010 - Current **Research Director**  
Division of Pediatric Endocrinology & Diabetes  
Phoenix Children's Hospital

## PREVIOUS APPOINTMENTS:

- 08/2008 – 08/2013 **Assistant Professor – Southwest Borderland Scholar**  
College of Nursing & Health Innovation (CONHI)  
Arizona State University
- 08/2008 – 08/2013 **Assistant Professor**  
Kinesiology Program – School of Nutrition and Health Promotion (SNHP)  
Arizona State University

## AWARDS & HONORS:

- 2009-2014 Health Disparities Loan Repayment Award Recipient  
-National Institutes of Minority Health and Health Disparities
- 2013 Most Inspirational Faculty Award

- 2011 -ASU Office of Student Athlete Development  
Dr. Manuel Servín Faculty Award for research, mentorship, leadership, and community service  
-ASU Chicano/Latino Faculty & Staff Association
- 2006 Pediatric Metabolic Syndrome Working Group  
-National Institute of Child Health and Human Development
- 2006 Biokinesiology and Physical Therapy Golden Cane Award  
-University of Southern California
- 2002 Student Research Award  
-Southwest American College of Sports Medicine
- 1998 Scholar Athlete Award  
-Occidental College

**RESEARCH GRANTS AND CONTRACT: ONGOING**

1. American Heart Association National Center (Crespo PI) 07/01/2014 – 06/30/2018  
 Scientist Development Grant – 14SDG20490382  
 Title: Community-academic partnership to promote cardiovascular health among underserved children and families  
 Role: Co-Investigator  
 Contribution: Mentor  
 Goal: To test the efficacy of a 12-week fitness- and behavioral- oriented program to improve cardiovascular fitness among underserved children and adults.  
 Total Costs: \$308,000

2. NIH/NIMHD P20MD002316 - 6561 (Shaibi PI) 06/01/2012 – 05/31/2017  
 Title: Community-Based Diabetes Prevention Program for Obese Latino Youth: Every Little Step Counts  
 Role: Principal Investigator  
 Contribution: Overall scientific direction  
 Goal: Test the effects of a community-based diabetes prevention program for obese Latino youth.  
 Total Costs: \$1,200,000

3. NIH/NIMHD P20MD002316 (Marsiglia PI) 06/01/2012 – 05/31/2017  
 Title: Health Disparities Research at SIRC: Cultural Processes in Risk and Resilience  
 Role: Co-Investigator  
 Contribution: Member of the Center’s Executive Committee  
 Goal: To address knowledge gaps on the role of social determinants of health with a focus on the ethnic minority populations of the Southwest and the U.S.-Mexico border region.  
 Total Costs: \$6,300,000

4. Mayo Clinic - Center for Individualized Medicine (Mandarino PI) 01/01/2012 – 12/31/2016  
 Title: Hispanic Biobank  
 Role: Co-Investigator (PI of ASU sub-contract)  
 Contribution: Identify and foster collaborative opportunities and research projects  
 Goal: To develop a biobank and patient registry of Latino patients phenotype for type 2 diabetes risk.  
 Total Costs: \$1,880,000

**RESEARCH GRANTS AND CONTRACTS: COMPLETED**

1. Phoenix Children’s Hospital (Shaibi PI) 01/01/2012 – 12/31/2013  
 Title: Novel Biomarkers of Cardiovascular Disease Risk Factors in Latino Youth  
 Role: Principal Investigator  
 Contribution: Overall scientific direction  
 Goal: Examine the associations between novel and traditional markers for CVD in adolescents.  
 Total Costs: \$30,000

2. Phoenix Children’s Hospital (Shaibi PI) 01/01/2010 – 12/31/2012  
 Title: Cardiometabolic Assessment, Research, and Education  
 Role: Principal Investigator

Contribution: Overall scientific direction

Goal: Develop a clinical program to identify and manage children at high risk for cardiovascular disease

Total Costs: \$ 70,000

3. Southwest Interdisciplinary Research Center (Shaibi PI) 09/01/2009 – 06/31/2013

Title: Community-Based Research to Improve Health & Quality of Life of Latino Youth: Every Little Step Counts

Role: Principal Investigator

Contribution: Overall scientific direction

Goal: Develop and pilot test a community-based diabetes prevention intervention for obese Latino adolescents.

Total Costs: \$100,000

4. AHRQ R18 HS 018646 (Gance-Cleveland PI) 09/30/2010 – 07/31/2013

Title: Health Information Technology to Support Clinical Decision Making in Obesity Care

Role: Co-Investigator

Contribution: Develop physical activity and cardiometabolic health modules and contribute to scientific direction

Goal: To evaluate clinician decision support and tailored patient education on the implementation of current pediatric obesity guidelines.

Total Costs: \$1,300,000

5. NIH/NINR 1R01NR012171 (Melnik PI) 09/30/2009 – 06/30/2013

Title: COPE/Healthy Lifestyles for Teens: A School Based RCT

Role: Co-Investigator

Contribution: Develop physical activity curriculum and contribute to the scientific direction

Goal: Examine the impact of a school-based intervention on obesity and mental health in adolescents

Total Costs: \$2,300,000

6. University of Washington (Shaibi PI) 12/01/2009 – 11/30/2010

Title: Quality of Life and Cardiometabolic Risk in Latino youth

Role: Principal Investigator

Contribution: Overall scientific direction

Goal: To examine the association between cardiometabolic health and quality of life among Latino youth.

Total Costs: \$3,000

7. Arizona Board of Regents (Mandarino PI) 06/01/2008 – 05/30/2011

Title: Arizona Insulin Resistance Registry

Role: Co-Investigator

Contribution: Co-direct the project and manage the day-to-day activities and overall scientific direction

Goal: To develop a registry of Latino community members who are phenotyped and genotyped for type 2 diabetes risk factors and interested in participating in clinical research.

Total Costs: \$600,000

8. Raul Castro Institute. (Shaibi PI) 09/30/2007 – 06/30/2009

Title: Evaluating a Community Based Diabetes Prevention Program for Overweight Latino Youth

Role: Principal Investigator

Contribution: Overall scientific direction

Goal: Evaluate the efficacy of a community-based diabetes prevention program for Latino children.

Total Costs: \$4,000

9. NIH/NINR1R21 NR009267-01 A1 (Faulkner PI) 08/15/2006 – 06/30/2008

Title: Personalized Exercise for Adolescents with Diabetes

Role: Co-Investigator (PI of ASU subcontract)

Contribution: Oversee analysis of inflammatory markers

Goal: To examine the effects of a 16-week personalized exercise program on insulin resistance and the metabolic syndrome phenotype in youth with type 2 diabetes.

Total Costs: \$7,000

## PEER REVIEWED PUBLICATIONS – PUBLISHED / IN-PRESS

**NOTE:** Publications, book chapters, and abstracts listed sequentially in reverse chronological order.

\*Denotes Student/Trainee, †Denotes Community Collaborator, §Denotes Shaibi as corresponding author.

1. \*Brito E, Patrick DL, †Konopken YP, Keller CS, Barroso CS, §**Shaibi GQ**. Effects of a Diabetes Prevention Program on Weight-Specific Quality of Life in Latino Youth. *Pediatric Obesity*. 2014 Oct; 9(5):e108-11.
2. \*Brickey SR, \*Ryder JR, McClellan DR, §**Shaibi GQ**. Soluble receptor for advanced glycation end products independently predicts cardiometabolic syndrome in Latino youth. *Pediatric Diabetes*. 2014 Sep;15(6):403-7.
3. Melnyk BM, Kelly S, Jacobson D, Arcoletto K, **Shaibi GQ**. Improving Physical Activity, Mental Health Outcomes and Academic Retention of College Students with Freshman 5 to Thrive: COPE/Healthy Lifestyles. *Journal of the American Academy of Nurse Practitioners*. 2014 Jun;26(6): 314-322.
4. \*Miranda DN, Coletta, DK, Mandarino, LJ, §Shaibi GQ. Increases in Insulin Sensitivity among Obese Youth are Associated with Gene Expression Changes in Whole Blood. *Obesity*. 2014 May;22(5):1337-44.
5. Tangen SE, Tsinajinnie D, Nuñez M, **Shaibi GQ**, Mandarino LJ, Coletta DK. Whole blood gene expression profiles in insulin resistant latinos with the metabolic syndrome. *PLoS One*. 2013 Dec 17;8(12):e84002.
6. §**Shaibi GQ**, Coletta DK, \*Vital V, Mandarino LJ. The Design and Conduct of a Community-Based Registry and Biorepository: A focus on Cardiometabolic Health in Latinos. *Clinical and Translational Sciences*. 2013 Dec;6(6):429-34.
7. \*Ryder JR, Vega-Lopez S, Djedjos CS, §**Shaibi GQ**. Abdominal Adiposity, Insulin Resistance, and Oxidized Low-Density Lipoproteins in Latino Adolescents. *Diabetology & Metabolic Syndrome*. 2013 Nov 16;5(1):72
8. \*Rosen GP, Nguyen HT, **Shaibi GQ**. Metabolic syndrome in pediatric cancer survivors: A mechanistic review. *Pediatric Blood and Cancer*. 2013 Dec;60(12):1922-8.
9. Melnyk BM, Kelly S, Jacobson D, **Shaibi GQ**, Small L, O'Haver J, Marsiglia FF. Improving Healthy Behaviors, BMI, Psychosocial & Academic Outcomes: A RCT Test of COPE TEEN in High School Adolescents. *American Journal of Preventive Medicine*. 2013 Oct;45(4):407-15
10. Kapadia C, \*Hizon M, Garcia-Fillion P, **Shaibi GQ**. Is A1C Less Concordant with OGTT in Children as Compared in Adults? *Journal of Diabetes & Metabolism*. 2013 Sept. 4:290
11. \*Ryder J, Vega-Lopez S, \*Ortega R, †Konopken Y, §**Shaibi GQ**. Lifestyle intervention improves lipoprotein particle size and distribution without weight-loss in obese Latino adolescents. *Pediatric Obesity*. 2013 Oct;8(5):e59-63.
12. Melnyk BM, Kelly S, Jacobson D, Belyea M, **Shaibi GQ**, Small L, O'Haver J, Marsiglia FF. The COPE healthy lifestyles TEEN randomized controlled trial with culturally diverse high school adolescents: Baseline characteristics and methods. *Contemporary Clinical Trials*. 2013 Sep;36(1):41-53.
13. \*Kim J, Goran M, Toledo-Coral C, Weigensberg, Choi M, §**Shaibi GQ**. One Hour Glucose during an Oral Glucose Challenge Prospectively Predicts  $\beta$ -cell Deterioration and Prediabetes in Youth. *Diabetes Care*. 2013 Jun;36(6):1681-6.
14. \*Rosen G, Beebe KL, **Shaibi GQ**. Vitamin D Levels Differ by Cancer Diagnosis and Decline over Time in Survivors of Childhood Cancer. *Pediatric Blood and Cancer*. 2013 Jun;60(6):949-52.
15. \*Hudson O, \*Nunez M, §**Shaibi GQ**. Ethnicity and Elevated Liver Transaminases among Newly Diagnosed Children with Type 2 Diabetes. *BMC Pediatrics*. 2012 12:174.
16. \*Kim J, Coletta D, Mandarino LJ, §**Shaibi GQ**. Glucose Response Curve and Type 2 Diabetes Risk in Latino Adolescents. *Diabetes Care*. 2012 Sep;35(9):1925-30
17. §**Shaibi GQ**, †Konopken Y, \*Ortega R, †Hoppin E, Keller K, Castro F. Effects of a Culturally-Grounded Community-Based Diabetes Prevention Program for Obese Latino Adolescents. *The Diabetes Educator*. 2012 38:504-512.
18. §**Shaibi GQ**, Davis JN, Weigensberg MJ, Goran MI. Improving Insulin Resistance in Obese Youth: Choose your measures wisely. *International Journal of Pediatric Obesity*. 2011 6:e290-296
19. †Hawthorne A, **Shaibi, GQ**, Gance-Cleveland B, †McFall S. Grand Canyon Trekkers: School-based Lunchtime Walking Program. *The Journal of School Nursing*. 2011 27: 43-50.

20. §**Shaibi GQ**, \*Greenwood-Ericksen, †Chapman CR, †Konopken Y, †Ertl J. Development, Implementation, and Effects of a Community-Based Diabetes Prevention Program for Obese Latino Youth. *Journal of Primary Care and Community Health*. 2010 1:206-212.
21. \*Greenwood-Ericksen M, †Chapman CR, †Konopken Y, †Ertl J, §**Shaibi GQ**. Sustainability of a Culturally Informed Community-Based Diabetes Prevention Program for Obese Latino Youth. *Journal of Primary Care and Community Health*. 2010 1:83-87.
22. Davis JN, Ventura EE, **Shaibi GQ**, Byrd-Williams CE, Alexander KE, Vanni AK, Meija MR, Weigensberg MJ, Spruijt-Metz D, Goran MI. Interventions for improving metabolic risk in overweight Latino youth. *International Journal Pediatric Obesity*. 2010 5:451-5.
23. §**Shaibi GQ**, Michaliszyn, S, Fritschi C, Quinn, L, Faulkner MS. Type 2 Diabetes in Youth: A phenotype of poor cardiorespiratory fitness and low physical activity. *International Journal Pediatric Obesity* 4:1-6, 2009.
24. Michaliszyn S, **Shaibi GQ**, Quinn, L, Fritschi C, Faulkner MS, Physical fitness, dietary intake and metabolic control in adolescents with type 1 diabetes. *Pediatric Diabetes* 10(6):389-394, 2009.
25. Castro, F. G., **Shaibi GQ**, & Boehm-Smith, E. Ecodevelopmental contexts for preventing type 2 diabetes in Latino and other racial/ethnic minority populations. *Journal of Behavioral Medicine* 32:89-105, 2009.
26. §**Shaibi GQ**, Faulkner MS, Weigensberg MJ, Fritschi C, Goran MI. Cardiorespiratory fitness and physical activity in youth with type 2 diabetes. *Pediatric Diabetes* 9:460-3, 2008.
27. Koebnick C, Roberts CK, **Shaibi GQ**, Kelley LA, Lane CJ, Toledo-Corral CM, Davis JN, Ventura EE, Alexander K, Weigensberg MJ, Goran MI. Adiponectin and leptin are independently associated with insulin sensitivity but not insulin secretion or beta-cell function in overweight Hispanic adolescents. *Hormone and Metabolism Research*. 40:708-12, 2008.
28. Toledo-Corral CM, Roberts CK, **Shaibi GQ**, Lane CJ, Davis JN, Higgins PB, Weigensberg MJ, and Goran MI. Insulin-like growth factor-1 is inversely related to adiposity in Hispanic adolescents. *Journal of Pediatric Endocrinology & Metabolism*. Sep; 21(9): 855-64, 2008.
29. Ventura EE, Davis JN, Alexander KE, **Shaibi GQ**, Lee W, Byrd-Williams CE, Toledo-Corral CM, Lane CJ, Kelly LA, Weigensberg MJ, Goran MI Dietary intake and the metabolic syndrome in overweight Latino children. *Journal of the American Dietetic Association*. Aug; 108(8):1355-1359, 2008.
30. Goran MI, Davis JN, Kelley LA, **Shaibi GQ**, Spruijt-Metz D, Suni SM, and Weigensberg MJ. Low Prevalence of Type 2 Diabetes in Overweight Hispanic Children: Where's the Epidemic? *Journal of Pediatrics*. Jun;152(6):753-5 2008.
31. Byrd-Williams CB, **Shaibi GQ**, Davis JN, Weigensberg MJ, Lane CJ, Kelley LA, Goran MI. Cardiorespiratory fitness predicts longitudinal changes in adiposity in overweight Hispanic boys but not in girls. *Obesity*. May;16(5):1072-7, 2008.
32. **Shaibi GQ** and Goran, MI. Examining Metabolic Syndrome Definitions in Overweight Hispanic Youth: A focus on insulin resistance. *Journal of Pediatrics* Feb;152(2):171-176, 2008.
33. §**Shaibi GQ**, Roberts CK, and Goran, MI. Exercise and Insulin Resistance in Youth. *Exercise and Sports Sciences Reviews*. Jan;36(1):5-11, 2008.
34. Kelly LA, Lane CJ, Weigensberg MJ, Koebnick C, Roberts CK, Davies JN, Toledo-Corral CM, **Shaibi GQ**, Goran MI. Parental History and Risk of Type 2 Diabetes in Overweight Latino Adolescents: A longitudinal analysis. *Diabetes Care*. Oct;30(10):2700-2705, 2007.
35. Koebnick C, **Shaibi GQ**, Kelly LA, Roberts CK, Lane CJ, Toledo-Corral CM, Davies JN, Weigensberg MJ, Goran MI. Leptin-to-adiponectin ratio as independent predictor of insulin sensitivity during puberty in overweight Hispanic adolescents. *J Endocrinol Invest* 30: RC13-RC16, 2007.
36. Davis JN, Ventura EE, **Shaibi GQ**, Weigensberg MJ, Spruijt-Metz D, Watanabe, RM, Goran MI. Reduction in Added Sugar Intake and Improvement in Insulin Secretion in Overweight Latina Adolescents. *Metabolic Syndrome and Related Disorders*. 5: 183-192, 2007.
37. **Shaibi GQ**, Cruz ML, Weigensberg MJ, Toledo-Corral CM, Lane CJ, Kelly LA, Davis JN, Koebnick C, Ventura EE, Roberts CK, Goran MI. Adiponectin Independently Predicts Metabolic Syndrome in Overweight Latino Youth. *Journal of Clinical Endocrinology & Metabolism*. 92 (5):1809-13, 2007.
38. Davis JN, Weigensberg MJ, **Shaibi GQ**, Crespo NC, Kelly LA, Lane CJ, Goran MI.. Influence of breastfeeding on obesity and type 2 diabetes risk factors in Latino youth with a family history of type 2 diabetes. *Diabetes Care*. Apr;30(4):784-9, 2007.

39. Ball GDC, Huang TT-K, **Shaibi GQ**, Weigensberg MJ, Cruz ML, Goran MI. Predicting visceral and subcutaneous abdominal adipose tissue in overweight Hispanic children. *International Journal of Pediatric Obesity* 1:210-216, 2006.
40. Goran MI, **Shaibi GQ**, Weigensberg MJ, Davis JN, Cruz ML. Deterioration of insulin sensitivity and beta-cell function in overweight Hispanic children during pubertal transition: A longitudinal assessment. *International Journal of Pediatric Obesity* 1:139-145, 2006.
41. **Shaibi GQ**, Cruz ML, Ball GDC, Salem G, Weigensberg MJ, Goran MI. Resistance training improves insulin sensitivity in overweight Latino boys. *Medicine and Science in Sports Exercise* 38:1208-15, 2006.
42. **Shaibi GQ**, Ball GDC, Goran MI. Aerobic fitness among Caucasian, African-American and Latino youth. *Ethnicity and Disease* 16:120-125, 2006.
43. Dreyer HC, Schroeder ET, Hawkins SA, Marcell TJ, Tarpenning KM, Vallejo AF, Jensky NE, **Shaibi GQ**, Spears SD, Yamada R., Wiswell RA. Chronic Exercise and Skeletal Muscle Power in Older Men. *Applied Physiology, Nutrition, and Metabolism* 31: 190-195, 2006.
44. Crespo NC, Ball GDC, **Shaibi GQ**, Cruz ML, Weigensberg MJ, and Goran MI. Acculturation is associated with higher VO<sub>2</sub>max in overweight Hispanic children. *Pediatric Exercise Science* 18: 89-100, 2006.
45. Ball GDC, Huang TT-K, Cruz ML, **Shaibi GQ**, Weigensberg MJ, Gower BA, Goran MI. A longitudinal study of pubertal insulin resistance and  $\beta$ -cell function in Caucasian and African-American youth. *Journal of Pediatrics* 148:16-22, 2006.
46. **Shaibi GQ**, Ball GDC, Cruz ML, Weigensberg MJ, Salem GJ, Goran MI. Cardiovascular fitness and physical activity in children with and without impaired glucose tolerance. *International Journal of Obesity and Related Metabolic Disorders* 30:45-49, 2006.
47. Cruz ML, **Shaibi GQ**, Weigensberg MJ, Spruijt-Metz D, Ball GDC, Goran MI. Pediatric obesity and insulin resistance: chronic disease risk and implications for treatment and prevention beyond body weight modification *Annual Review of Nutrition* 25: 435-468, 2005.
48. **Shaibi GQ**, Cruz ML, Ball GD, Weigensberg MJ, Kobaissi HA, Salem GJ, Goran MI. Cardiovascular fitness and the metabolic syndrome in overweight Latino youths. *Medicine and Science in Sports and Exercise* 37:922-928, 2005.
49. Ball GDC, Weigensberg MJ, Cruz ML, **Shaibi GQ**, Goran MI. Insulin sensitivity, insulin secretion and  $\beta$ -cell function during puberty in overweight Hispanic children with a family history of type 2 diabetes. *International Journal of Obesity and Related Metabolic Disorders* 29:1471-1477, 2005.
50. Weigensberg MJ, Ball GDC, **Shaibi GQ**, Cruz ML, Goran MI. Decreased beta-cell function in overweight Latino children with impaired fasting glucose. *Diabetes Care* 28:2519-2524, 2005.
51. Weigensberg MJ, Ball GDC, **Shaibi GQ**, Cruz ML, Gower BA, Goran MI. Dietary fat intake and insulin resistance in black and white children. *Obesity Research* 13:1630-7, 2005.
52. Davis JN, Ventura EE, Weigensberg MJ, Ball GD, Cruz ML, **Shaibi GQ**, Goran MI. The relation of sugar intake to beta cell function in overweight Latino children. *American J of Clinical Nutrition* 82:1004-10, 2005.
53. Ball GDC, **Shaibi GQ**, Cruz, ML, Watkins MP, Weigensberg MJ, Goran MI. Insulin sensitivity, cardiorespiratory fitness and physical activity in overweight Hispanic youth with a family history of type 2 diabetes. *Obesity Research* 12:77-85, 2004.
54. Kobaissi H, Weigensberg MJ, Ball GDC, Cruz ML, **Shaibi GQ**, Goran MI. Acanthosis nigricans as an independent predictor of insulin sensitivity in overweight Hispanic youth *Diabetes Care* 27:1412-16, 2004.
55. Cruz ML, Weigensberg MJ, Huang TTK, Ball G, **Shaibi GQ**, Goran MI. The metabolic syndrome in overweight Hispanic youth and the role of insulin sensitivity. *Journal of Clinical Endocrinology and Metabolism* 89:108-113, 2004.
56. Goran MI, Bergman RN, Avila Q, Watkins MJ, Ball GDC, **Shaibi GQ**, Weigensberg MJ, Cruz ML. Impaired glucose tolerance and reduced  $\beta$ -cell function in overweight Latino children with a positive family history for type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism* 89: 207-212, 2004.

#### **BOOK CHAPTERS:**

1. Goran MI, Cruz ML, **Shaibi GQ**, Weigensberg M, Spruijt-Metz D, Ebbeling C, and Ludwig DS Infant Nutrition and Adult Obesity. In *Food, Diet and Obesity*, Edited by Mela D; Woodhead Publishing, Cambridge, UK October 2005.

## **PUBLISHED ABSTRACTS:**

\*DENOTES STUDENT / TRAINEE, † DENOTES COMMUNITY COLLABORATOR

1. \*Brickey S, \*Ryder J, McClellan D, **Shaibi GQ.** Lower Soluble Receptor for Advanced Glycation End Products Independently Predicts Metabolic Syndrome in Youth. American Diabetes Association 2013.
2. \*Kim J, Goran M, Toledo-Coral C, Weigensberg, Choi M, **Shaibi GQ.** Predicting Progression to Prediabetes in Obese Latino Youth. American Diabetes Association 2013.
3. \*Kim J, \*Ryder J, DeMenna J, Coletta DK, **Shaibi GQ.** Physical Activity Moderates the effect of FTO on Obesity. American College of Sports Medicine 2013.
4. \*Brickey S, Djedjos CS, \*Hultgren N, McClellan DR, Pollack M, **Shaibi GQ.** Use of Hemoglobin A1c to Identify Hyperglycemia in Obese Youth. Pediatric Endocrine Society, 2013.
5. \*Oatman OJ, Djedjos CS, Garcia-Filion, McClellan DR, Olson ML, Pollack MM, **Shaibi GQ.** Obstructive Sleep Apnea and Cardiometabolic Risk in Obese Youth. Pediatric Endocrine Society, 2013.
6. \*Ryder JR, Vega-Lopez S, \*Kim JY, \*Crespo NC, \*Djedjos CS, **Shaibi GQ.** Insulin resistance independently predicts oxidized low-density lipoprotein in Latino youth. American Heart Association - Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism 2013.
7. \*Brito, E, Ortega, R, \*Ryder, JR, \*Miranda, D, \*Kim, JY, and **Shaibi, GQ.** The Effect of a Community-Based Diabetes Prevention Program on Weight-Specific Quality of Life in Latino Adolescents. The American Association for the Advancement of Science. February 2013. *Student award winner.*
8. \*Ryder, J, Vega-López, S, \*Kim, J, \*Djedjos, C, and **Shaibi, GQ.** Association between insulin sensitivity and LDL particle size and cholesterol distribution in Latino youth. World Congress on Insulin Resistance 2012.
9. \*Kim J, Goran M, Toledo-Coral C, Weigensberg, Choi M, **Shaibi GQ.** One Hour Glucose during an Oral Glucose Challenge Prospectively Predicts  $\beta$ -cell Deterioration and Prediabetes in Youth. American Diabetes Association 2012.
10. \*Miranda, Coletta DK, Dinu V, Tsinajinnie D, \*Ryder J, \*Ortega R, Mandarino LJ, **Shaibi GQ.** Gene Expression Changes following a Diabetes Prevention Program for Obese Latino Youth. American Diabetes Association 2012.
11. \*Ryder J, Vega-Lopez, \*Ortega R, **Shaibi GQ.** Improvements in Lipoprotein Subfractions and Oxidized Low-Density Lipoprotein Following Lifestyle Intervention in Obese Latino Adolescents, American College of Sports Medicine. 2012
12. \*Kim J, \*Ryder J, \*Ortega R, **Shaibi GQ.** The Utility of a Simple Physical Activity Screener to Differentiate Cardiometabolic Risk in Latino Youth. American College of Sports Medicine 2012.
13. **Shaibi GQ,** Ortega R, Intervention for Latino Youth Improves Health in Parents. The Obesity Society 2011.
14. **Shaibi GQ,** Patrick DL, †Konopken Y, Ortega R, Keller K, Castro F. Increasing Weight-Specific Quality of Life among Obese Latino Youth. American Public Health Association 2011.
15. **Shaibi GQ,** †Konopken Y, \*Ortega R, †Hoppin E, \*Kim J, †Ertl J, †Meyers J, Keller K, Castro F. Effects of a Community-Based Diabetes Prevention Program for Overweight Latino Youth. American Diabetes Association 2011.
16. \*Ryder J, \*Ortega R, † Konopken Y, **Shaibi GQ.** Effects of a Lifestyle Intervention on Cardiometabolic Risk Factors in Overweight/Obese Latino Adolescents. American Diabetes Association 2011.
17. \*Kim J, Coletta D, Vital V, Mandarino LJ, **Shaibi GQ.** Shape of plasma glucose curve during an oral glucose challenge is associated with diabetes risk factors in youth. American Diabetes Association 2011.
18. Tsinajinnie D, \*Vital V, Langlais P, Lefort N, Sharoff C, **Shaibi GQ,** Mandarino LJ, Coletta DK. Epigenetic Mapping of Insulin Resistance. American Diabetes Association 2011.
19. Tsinajinnie D, \*Nunez M, \*Vital V, **Shaibi GQ,** Mandarino LJ, Coletta DK. Identification of Genes Differentially Expressed in Whole Blood of Overweight and Obese Subjects. American Diabetes Association 2011.
20. \*Neupane S, **Shaibi GQ,** Vega-López S. Hyperglycemia affects CVD risk by modulating cholesterol LDL and HDL lipoprotein distribution in Mexican-American adults. Experimental Biology 2011.

21. \*Neupane S, **Shaibi GQ**, Vega-López S. Cholesterol lipoprotein distribution affects CVD risk in insulin resistant Mexican American adults. American Heart Association's Nutrition, Physical Activity and Metabolism 2011.
22. \*Ortega R, † Hoppin R, † Konopken Y, \*Ryder J, **Shaibi GQ**. Fitness, Activity, And Adherence To A Diabetes Prevention Program For Overweight And Obese Latino Youth. American College of Sports Medicine 2011.
23. \*Ryder J, Vega-Lopez S, Ortega R, Tsinajinnie D, Coletta D, **Shaibi GQ**. Improvements in Lipoprotein Subfractions and Oxidized Low-Density Lipoprotein Following Lifestyle Intervention in Obese Latino Adolescents. Southwest American College of Sports Medicine 2011.
24. **Shaibi GQ**, \*Hackett K, \*Monge A, \*Miller A, Wilson D, Mandarino LJ. HbA1c Accurately Tracks Glucose Response during an OGTT among Healthy, Prediabetic, and Diabetic Volunteers. The Obesity Society 2010.
25. **Shaibi GQ** and Castro FG. Acculturation, Obesity, and Insulin Resistance in Latino Youth. American Diabetes Association 2010.
26. Coletta D, Bowen B, Tsinajinnie, \*Nunez M, Vital V, **Shaibi GQ**, Mandarino LJ. Role of Adiponectin Receptor 2 rs929434; Association with Dyslipidemia in Latinos from the Arizona Insulin Resistance Registry. American Diabetes Association 2010.
27. Flores Y, **Shaibi GQ**, Skalicky A, Edwards T, Morales L, Barr L, Patrick DL. Association between Body Mass Index, Metabolic Risk Measures and Weight-Specific Quality of Life in Mexican Youth. International Society for Quality of Life Research 2009.
28. **Shaibi GQ**, \*Hudson O, \*Nunez M, †Chapman CR, †Konopken Y, †Ertl J, \*Belapurkar S, Patrick D. Weight-Specific Quality of Life & Cardiometabolic Disease Risk among Latino Youth. The Obesity Society 2009.
29. \*Hudson O, \*Nunez M, **Shaibi GQ**. Ethnicity and Liver Function In youth with Type 2 Diabetes. The Obesity Society 2009.
30. \*Greenwood-Erickson M. †Chapman CR. †Konopken Y, †Ertl J, **Shaibi GQ**. Sustainability of a Culturally Sensitive Community-Based Diabetes Prevention Program for Obese Latino Youth. The Obesity Society 2009.
31. **Shaibi GQ**, †Ertl J, †Chapman CR. †Konopken Y, †Weideman J, †Kivlahan C. Community-Based Diabetes Prevention Program for Overweight Latino Youth: Essential first steps. The Obesity Society 2008.
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34. **Shaibi GQ**, Fleet S, Fritchi C, Faulkner MS. Type 2 Diabetes in Youth: A phenotype of low cardiorespiratory fitness and reduced physical activity. American College of Sports Medicine 2008.
35. **Shaibi GQ**, Davis JN, Weigensberg MJ, Roberts CK, Goran MI. Homeostasis Model Assessment Does Not Detect Improvements in Insulin Resistance Following an Intervention in Overweight Youth: A comparison to whole-body insulin sensitivity measures. American Diabetes Association 2008.
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51. Ball GDC, Marshall JD, **Shaibi GQ**, McCargar LJ. Physical activity and psychosocial outcomes in obese children *Medicine and Science in Sports and Exercise*. 35:S161, 2003.
52. Kobaissi H, Weigensberg MJ, Ball GDC, Cruz ML, **Shaibi GQ**, Goran MI. Acanthosis nigricans as an independent clinical indicator of insulin resistance in Hispanic children at risk for type 2 diabetes *Obesity Research* 2003;11:A50.
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54. Weigensberg MJ, Ball GDC, Cruz ML, **Shaibi GQ**, Goran MI. Dietary fat negatively influences insulin sensitivity in Caucasian and African-American children *Obesity Research* 2003;11:A31.
55. **Shaibi GQ**, Cruz ML, Ball GDC, Weigensberg MJ, Goran MI. The effect of aerobic fitness on risk factors for the metabolic syndrome in Hispanic youth *Obesity Research* 2003;11:A38.
56. **Shaibi GQ**, Ball GDC, Goran MI. Differences in aerobic fitness among Caucasian, African-American, and Hispanic youth. Presented at the annual meeting of the Southwest American College of Sports Medicine, Las Vegas, NV -- Nov 2002 (Student award winner).

## **TEACHING AND MENTORSHIP**

### **CLASSROOM INSTRUCTION:**

1. Course Director: KIN / EXW 494 – Pediatric Obesity  
Kinesiology Program and Dept. Exercise and Wellness – CONHI - Spring 2014.
2. Course Director: KIN / EXW 494 – Pediatric Obesity  
Kinesiology Program and Dept. Exercise and Wellness – CONHI - Spring 2013.
3. Course Director: KIN / EXW 494 – Pediatric Obesity  
Kinesiology Program and Dept. Exercise and Wellness – CONHI - Spring 2012.
4. Course Director: KIN / EXW 494 – Pediatric Obesity

- Kinesiology Program and Dept. Exercise and Wellness – CONHI - Spring 2011.
5. Course Instructor: EXW 538 – Obesity, Exercise, and Health  
PhD Program Physical Activity Nutrition and Wellness – CONHI - Spring 2010.
  6. Course Instructor: EXW 536 - Physiological Aspects of Physical Activity and Chronic Disease  
PhD Program Physical Activity Nutrition and Wellness – CONHI - Fall 2009.
  7. Course Director: ASU 101 The ASU Experience  
Undergraduate Program CONHI - Fall 2008
  8. Course Instructor: HCR 194 Freshman Five to Thrive: COPE  
Undergraduate Elective: CONHI - Fall 2007
  9. Course Director: NUR 598 Obesity, Exercise, and Chronic Disease Risk.  
PhD Program: CONHI - Summer 2007

**MENTORSHIP – GRADUATE / POST-GRADUATE:**

- 2013 - Present           Noe Crespo, PhD, MPH
  - Program of Study: Junior Faculty – Exercise and Wellness
  - Project Title: Athletes for Life
  - Role: Faculty Mentor
- 2012 - Present           Galit Rosen, MD
  - Program of Study: Junior Faculty – Pediatric Oncology
  - Project Title: Metabolic Syndrome in Survivors of Childhood Cancer
  - Role: Research Mentor
- 2012 - Present           Sarah Brickey, MD
  - Program of Study: Pediatric Endocrinology Fellow
  - Project Title: sRAGE and Metabolic Syndrome in Latino Youth
  - Role: Primary Research Mentor
- 2010 - Present           Justin Ryder, MS
  - Program of Study: PhD Physical Activity, Nutrition, and Wellness, ASU
  - Project Title: Cardiovascular Disease Risk in Youth
  - Role: Dissertation Chair
- 2009 – Present           Joon Young Kim
  - Program of Study: PhD Kinesiology, ASU
  - Project Title: Glucose Regulation among Latino Youth
  - Role: Dissertation Chair
- 2009 – Present           Danielle Miranda
  - Program of Study: PhD Clinical and Translation Science, The Mayo Clinic
  - Project Title: Mechanisms of Insulin Resistance
  - Role: Committee Member
- 2011 – 2012             Hillary Burks, MS
  - Program of Study: Master’s of Science Exercise and Wellness, ASU
  - Project Title: Physical Activity and Executive Function in College Students
  - Role: Thesis Chair
- 2008 – 2012             Margaret Greenwood- Erickson, MD, MPH
  - Program of Study: Master’s in Public Health and Medicine, University of Arizona
  - Project Title: Sustainability of Lifestyle Changes among Obese Latino Youth
  - Role: Thesis Chair
- 2008 – 2012             Maria Cora Hizon, MD
  - Program of Study: Fellowship in Pediatric Endocrinology, Phoenix Children’s Hospital
  - Project Title: Utility of HbA1c Across the Lifespan
  - Role: Primary Research Mentor
- 2009 – 2011             Srijana Neupane, MS, RD

- Program of Study: Master's of Science Nutrition, ASU
- Project Title: Cardiovascular Disease and Diabetes in Mexican American Adults
- Role: Committee Member
  
- 2009 – 2011 Kristin Hunt, MS
  - Program of Study: Master's of Science Nutrition, ASU
  - Project Title: Non-biologic Factors and CVD Risk in Mexican Americans
  - Role: Committee Member
  
- 2009 – 2010 Sonali Belapurkar, MD
  - Program of Study: Fellowship in Pediatric Endocrinology, Phoenix Children's Hospital
  - Project Title: Metabolic Presentation of Type 2 Diabetes in Youth
  - Role: Primary Research Mentor
  
- 2008 – 2009 Omar Hudson, MD
  - Program of Study: Fellowship in Pediatric Endocrinology, Phoenix Children's Hospital
  - Project Title: Liver Function in Type 2 Diabetes in Youth
  - Role: Primary Research Mentor

**MENTORSHIP – UNDER GRADUATE:**

- 2013 – Present Evelyn Miranda – Biochemistry (Honors)
- 2012 – Present Neil Hultgren – Exercise and Wellness
- 2011 – 2013 Elizabeth Brito – Global Health (Honors Student)
- 2011 Alberto Ley - Biology
- 2009 – 2011 Andres Monge – Kinesiology (Honors Student)
- 2009 – 2011 Jacob DeMenna – Biology (Honors Student)
- 2010 Jose Soto - Kinesiology
- 2010 Brittany Beystum – Kinesiology
- 2009 – 2010 Kelsey Hackett – Kinesiology
- 2009 – 2010 Nicholas Wright – Kinesiology (Honors Student)
- 2008 – 2010 Ariana Miller - Kinesiology
- 2008 – 2010 Martha Nunez - Biology
- 2008 – 2009 Rocio Ortega - Kinesiology
- 2009 Shay Chicchi – Nursing
- 2008 Amber Berger – Nursing

**SERVICE:**

**SCHOLARLY ACTIVITIES:**

- 2013 - Present American Heart Association- Innovative Research Grant Study Section
- 2012 - Present Pediatric Exercise Medicine Data Harmonization Group – UC Irvine CTSI
- 2011 - 2013 Section Editor - BMC Pediatrics - Nutrition, Diet, Health, Endocrinology
- 2011 Abstract Reviewer – The Obesity Society 2011 Diversity Tour
- 2009 - 2011 Early-Career Investigator Committee - The Obesity Society
- 2008 Grant Reviewer – Thrasher Research Foundation

**MANUSCRIPT REVIEW:**

- Pediatrics
- Obesity
- Medicine and Science in Sports and Exercise
- Diabetes Care
- American Journal of Public Health
- Journal of Pediatrics
- International Journal of Obesity
- Journal of Clinical Endocrinology and Metabolism
- Pediatric Obesity

- European Journal of Clinical Nutrition
- Journal of Clinical Lipidology
- Worldviews on Evidence-Based Nursing
- Pediatric Physical Therapy
- Childhood Obesity
- Family and Community Health

**UNIVERSITY AND COMMUNITY SERVICE:**

- 2013 – Present ASU Limited Submissions Standing Review Panel
- 2013 – Present Phoenix Children’s Hospital – Scientific Review Committee
- 2013 School of Nutrition and Health Promotion – Internal Grant Reviewer
- 2011 Curriculum Committee – Master’s in the Science of Healthcare Delivery
- 2009 – Present South Phoenix Healthy Kids Partnership
- 2009 – Present Executive Council Member - Southwest Interdisciplinary Research Center
- 2011 ASU Building Healthy Lifestyle Conference - Speaker
- 2009 – 2011 ASU Center for Healthy Children Teens and Families - Speaker
- 2010 – 2011 ASU Obesity / Metabolic Syndrome Working Group
- 2009 Chair Faculty Search Committee: Department of Kinesiology, ASU
- 2009 YMCA Medical Advisory Board
- 2006 – 2008 Member South Phoenix Diabetes Coalition