

CURRICULUM VITAE

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PERSONAL

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EDUCACION

Doctorado University of Arizona (*Ciencias Fisiológicas, Fisiología Aplicada*), 1999.

Maestría Universidad Autónoma de Guadalajara (*Medicina del Deporte*), 1985.

Licenciatura Universidad Autónoma de Guadalajara (*Medicina*), 1979.

EXPERIENCIA PROFESIONAL

2004-Presente **Profesor Asistente de Fisiología del Ejercicio**
Department of Nutrition, Food and Exercise Sciences, Florida State University.

2000-2004 **Profesor Asistente de Ciencias del Ejercicio**
Department of Exercise Science, Syracuse University, Syracuse, NY

1999-2000 **Especialista en Ejercicio, Rehabilitación Cardíaca y Pruebas de Ejercicio**
University Medical Center, Tucson, AZ

1991 **Rehabilitación Cardíaca y Pruebas de Esfuerzo**
Instituto Nacional de Cardiología, México D.F., México

1987-1993 **Profesor Asociado de Fisiología del Ejercicio**
Escuela Superior de Educación Física, Universidad Autónoma de Sinaloa

1985- 1993 **Profesor Asociado de Fisiología Médica**
Facultad de Medicina, Universidad Autónoma de Sinaloa

1980-1982 **Profesor Asistente de Medicina Comunitaria**
Facultad de Medicina, Universidad Autónoma de Sinaloa

Interés en Investigación

Efectos del ejercicio de resistencia (tradicional y vibración) y alimentos funcionales en función arterial y control autónomo de la presión arterial y frecuencia cardíaca en enfermedades crónicas asociadas con actividad física reducida incluyendo obesidad, hipertensión y diabetes.

PUBLICACIONES

1. Wong AM, Sanchez-Gonzalez MA, Gil R, Vicil F, Park SY, **Figueroa A**. Passive vibration on the legs reduces peripheral and systemic arterial stiffness. *Hypertension Res* in press, 2011.
2. Sanchez-Gonzalez MA, Wong AM, Vicil F, Gil R, Park SY, **Figueroa A**. Impact of passive vibration on pressure wave characteristics. *J Human Hypertension* in press, 2011.
3. **Figueroa A**, Gil R, Sanchez-Gonzalez MA. Whole-body vibration attenuates the increase in leg arterial stiffness and aortic systolic blood pressure during post-exercise muscle ischemia. *Eur J Appl Physiol* 111:1261-1268, 2011.
4. **Figueroa A**, Vicil F, Sanchez-Gonzalez MA. Acute exercise with whole-body vibration decreases wave reflection and leg arterial stiffness. *Am J Cardiovasc Dis* 1:60-67, 2011.
5. **Figueroa A**, Park SJ, Seo DY, Sanchez-Gonzalez MA, Baek YH. Combined resistance and endurance exercise training improves arterial stiffness, blood pressure, and muscle strength in postmenopausal women. *Menopause* Epub Apr 30, 2011.
6. Kingsley JD, McMillan V, **Figueroa A**. Resistance exercise training does not affect postexercise hypotension and wave reflection in women with fibromyalgia. *Appl Physiol Nutr Metabol* 36:254-263, 2011.
7. **Figueroa A**, Vicil F. Post-exercise aortic hemodynamics responses to low intensity resistance exercise with and without vascular occlusion. *Scand J Med Sci Sports* 21:431-436, 2011.
8. Sanchez-Gonzalez MA, Weider R, Kim JS, Vicil F, **Figueroa A**. Creatine supplementation attenuates hemodynamic and arterial stiffness responses following an acute bout of isokinetic exercise. *Eur J Appl Physiol*. Epub Jan 20, 2011; PMID: 21249385.
9. **Figueroa A**, Marcos A Sanchez-Gonzalez, Perkins-Veazie P, Arjmandi BH. Effects of watermelon supplementation on aortic blood pressure and wave reflection in individuals with pre-hypertension: a pilot study. *Am J Hypertension* 24:40-44, 2011.
10. Kingsley JD, McMillan V, **Figueroa A**. The effects of 12 weeks of resistance exercise training on disease severity and autonomic modulation at rest and after acute leg resistance exercise in women with fibromyalgia. *Arch Phy Med Rehabil* 10:1551-1557, 2010.
11. Agiovlasis S, Collier SR, Baynard T, Echols GH, Goulopoulou S, **Figueroa A**, Beets MW, Pitetti KH, Fernhall B. Autonomic response to upright tilt in people with and without Down syndrome. *Res Dev Disabil* 31:857-863, 2010.
12. **Figueroa A**, Trivino J, Sanchez-Gonzalez MA, Vicil F. Oral L-citrulline supplementation attenuates blood pressure response to cold pressor test in young men. *Am J Hypertension* 23:12-16, 2010.
13. **Figueroa A**, Hooshmand S, Figueroa M, Bada AM. Cardiovascular baroreflex and aortic hemodynamic responses to isometric exercise and post-exercise muscle ischemia in resistance-trained men. *Scand J Med Sci Sports* 20:305-309, 2010.
14. Kingsley JD, Panton LB, McMillan V, **Figueroa A**. Cardiovascular autonomic modulation after acute resistance exercise in women with fibromyalgia. *Arch Phy Med Rehabil* 90:1628-1634, 2009.
15. Panton LB, **Figueroa A**, Kingsley JD, Hornbuckle L, Wilson J, St. John N, Abood D, Mathis R, VanTassel J, McMillan V. The Effects of Resistance Training and Chiropractic Care in Women with Fibromyalgia *J Altern Complement Med* 15:321-8, 2009.
16. Heffernan KS, Sosnoff JJ, Ofori E, Jae SY, Baynard T, Collier SR, Goulopoulou S, **Figueroa A**, Woods JA, Pitetti KH, Fernhall B. Complexity of force output during static exercise in individuals with Down Syndrome. *J Appl Physiol* 106:1227-33, 2009.

17. Fernhall B, Baynard T, Collier SR, **Figueroa A**, Gouloupoulou S, Kamimori GH, Pitetti KH. Catecholamine response to maximal exercise in persons with Down syndrome. *Am J Cardiol* 103:724-726, 2009.
18. Franklin RM, Baynard T, Weinstock RS, Gouloupoulou S, Carhart R, Ploutz-Snyder R, **Figueroa A**, Fernhall B, Kanaley JA. Autonomic Responses to Physiological Stressors in Women with Type 2 Diabetes. *Clin Auton Res* 18(2):66-73, 2008.
19. **Figueroa A**, Kingsley JD, McMillan V and Pantou LB. Resistance exercise training improves heart rate variability in women with Fibromyalgia. *Clin Physiol Funct Imaging* 28 (1):49-54, 2008.
20. Kanaley JA, Baynard T, Franklin RM, Weinstock RS, Gouloupoulou S, Carhart R, Ploutz-Snyder R, **Figueroa A**, Fernhall B. The effects of a glucose load and sympathetic challenge on autonomic function in obese women with and without type 2 diabetes. *Metabolism* 56(6):778-785, 2007.
21. **Figueroa A**, Baynard T, Fernhall B, Carhart R and Kanaley JA. Cardiovascular autonomic modulation after brisk walking in middle-aged women with type 2 diabetes and obesity. *Eur J Cardiovasc Prev Rehabil* 14(2):237-243, 2007.
22. **Figueroa A**, Baynard T, Fernhall B, Carhart R and Kanaley JA. Endurance training improves post-exercise cardiac autonomic modulation in obese women with and without type 2 diabetes. *Eur J Appl Physiol* 100:437-444, 2007.
23. Gouloupoulou S, Baynard T, Collier SR, Giannopoulou I, **Figueroa A**, Beets M, Pitetti K, Fernhall B. Cardiac Autonomic Control in Individuals with Down Syndrome. *Am J Ment Retard* 111(1):27-34, 2006.
24. Heffernan KS, Baynard T, Gouloupoulou S, Giannopoulou I, Collier SR, **Figueroa A**, Beets M, Pitetti K and Fernhall B. Baroreflex Sensitivity During Static Exercise in Individuals with Down Syndrome. *Med Sci Sports Exerc* 37(12):2026-2031, 2005.
25. Fernhall B, **Figueroa A**, Collier S, Giannopoulou F, Gouloupoulou S, Baynard T. Resting metabolic rate is not reduced in obese individuals with Down Syndrome. *Mental Retardation* 43(6):391-400, 2005.
26. Giannopoulou I, Fernhall B, Carhart R, Weinstock RS, Baynard T, **Figueroa A**, Kanaley JA. Effects of diet and/or exercise on the adipocytokine and inflammatory cytokine levels of postmenopausal women with type 2 diabetes. *Metabolism* 54(7):866-875, 2005.
27. Fernhall B, **Figueroa A**, Collier S, Baynard T, Giannopoulou I, Gouloupoulou S. Blunted Heart Rate Response to Upright Tilt in Individuals with Down Syndrome. *Arch Phy. Med Rehabil* 86:813-818, 2005.
28. **Figueroa A**, Collier S, Baynard T, Giannopoulou F, S Gouloupoulou, Fernhall B. Impaired vagal modulation of heart rate in individuals with Down syndrome. *Clin Auton Res* 15:45-50, 2005.
29. Hall C, **Figueroa A**, Fernhall B, Kanaley J. Energy expenditure of walking and running: Comparison with prediction equations. *Med Sci Sports Exerc* 36:2128-2134, 2004.
30. Going S, Lohman T, Houtkooper L, Metcalfe L, Flint-Wagner H, Blew R, Standford V, Cussler E, Martin J, Teixeira P, Harris M, Milliken L, **Figueroa-Galvez A**, Weber J. Effects of Exercise on Bone Mineral Density in Calcium-Replete Postmenopausal Women with and without Hormone Replacement Therapy. *Osteoporos Int* 14:637-643, 2003.
31. **Figueroa A**, Going SB, Milliken LA, Blew R, Sharp S, Teixeira PJ, Lohman TG. Effects of Exercise Training and Hormone Replacement Therapy on Lean and Fat Mass in Postmenopausal Women. *J Gerontol: Med Sci* 58A(3):M266-M270, 2003.

32. Milliken LA, Going SB, Houtkooper LB, Flint-Wagner HG, **Figueroa A**, Metcalfe LL, Blew RM, Sharp SC, Lohman TG. Effects of exercise training on bone remodeling, insulin-like growth factors and bone mineral density in post-menopausal women with and without hormone replacement therapy. *Calcif Tissue Int* 72(4):478-484, 2003.
33. **Figueroa A**, Going SB, Milliken LA, Blew R, Sharp S, Lohman TG. Body composition modulates the effects of hormone replacement therapy on growth hormone and insulin-like growth factor-I levels in postmenopausal women. *Gynecol Obstet Invest* 54 (4):201-206, 2002.

MANUSCRITOS EN REVISION

1. **Figueroa A**, Seo DY, Park SY, Sanchez-Gonzalez MA, Baek YH. Aerobic exercise training improves adiponectin to leptin ratio and insulin resistance in obese adolescent girls. *Eur J Appl Physiol*.
2. Kingsley JD, **Figueroa A**. Resistance exercise training improves resting and post-exercise forearm blood flow but does not affect wave reflection in overweight and obese women. *J Human Hypertension*.

MANUSCRITOS EN PREPARACION

1. Vargas-Ortiz K, Perez-Vazquez V, Díaz FJ, Sanchez-Gonzalez MA, **Figueroa A**, Macías MH. The effect of aerobic training on cardiorespiratory fitness and metabolic risk factors in obese adolescents.
2. Wieder RA, Spicer M, Haymes E, Eklund R, Liu PY, Sanchez-Gonzalez M, **Figueroa A**, and Kim JS. The effects of creatine supplementation on muscle performance after transitioning to a lacto-ovo-vegetarian diet.

ABSTRACTOS

1. Sanchez-Gonzalez MA, Wong A, Vicil F, Park SY, Gil R, **Figueroa A**. Passive vibration reduces wave reflection and wasted left ventricular pressure energy in healthy young adults. *Med Sci Sports Exer*; 43:S613, 2011.
2. Gil R, Sanchez M, Vicil F, Wong A, Park S, Mcnamara J, Shaw V, Borr E, Snyder P, **Figueroa A**. The effect of whole-body vibration exercise on autonomic and cardiovascular function in overweight-obese premenopausal women. *Med Sci Sports Exer*; 43:S238, 2011.
3. Vicil F, Sanchez-Gonzalez MA, Wong A, Park S, Gil R, **Figueroa A**. Arterial stiffness responses to lower-body low-intensity resistance exercise in vegetarian and non-vegetarian women. *Med Sci Sports Exer*; 43:S108, 2011.
4. Kingsley JD, McMillan V, **Figueroa A**. Resistance exercise training does not affect post-exercise hypotension and wave reflection in women with fibromyalgia. *Med Sci Sports Exer*; 43:S314, 2011.
5. Baynard T, Goulopoulou S, **Figueroa A**, Collier SR, Pitetti KH, Fernhall B. Autonomic function in persons with Down Syndrome that have normal heart rate responses to handgrip. *Med Sci Sports Exer*; 43:S114, 2011.
6. **Figueroa A**, Park SY, Sanchez-Gonzalez MA, Seo DY, Baek YH. Combined exercise training decreases blood pressure and arterial stiffness in postmenopausal women. *Med Sci Sports Exer*; 43:S107, 2011.
7. **Figueroa A**, Gil R, Vicil F, Wong A, Sanchez-Gonzalez MA. Whole-body vibration attenuates arterial responses during post-exercise muscle ischemia after static squat. ACSM Conference on Integrative Physiology of Exercise. September 2010.

8. Sanchez-Gonzalez MA, Wong A, Vicil F, Gil R, **Figueroa A**. Passive vibration reduces leg and systemic arterial stiffness. ACSM Conference on Integrative Physiology of Exercise. September 2010.
9. **Figueroa A**, Vicil F, Sanchez-Gonzalez MA. Static exercise with whole-body vibration reduces post-exercise leg arterial stiffness in young men with prehypertension. *Med Sci Sports Exer*; 42:S90, 2010.
10. Sanchez-Gonzalez MA, Weider R, Kim JS, Fernhall B, **Figueroa A**. Creatine supplementation attenuates hemodynamics and arterial stiffness responses following an acute bout of isokinetic exercise. *Med Sci Sports Exer*; 42:S91, 2010.
11. Kingsley JD, McMillan V, **Figueroa A**. Effects of resistance training on forearm blood flow and reactive hyperemia in women with fibromyalgia. *Med Sci Sports Exer*; 42:S92, 2010.
12. Henning PC, Wilson JM, Lee SR, **Figueroa A**, Panton L, Mendez D, Zourdos M, Park Y, Hooshman S, Anaya FV, Kim JS. Effects of 3 or 6 grams of β -methylbutyrate (HMB) on muscle damage and performance in elderly. *Med Sci Sports Exer*; 42:S546, 2010.
13. **Figueroa A**, Sanchez-Gonzalez MA, Vicil F, Perkins-Veazie P. Watermelon supplementation reduces aortic blood pressure and wave reflection in individuals with pre-hypertension and stage 1 hypertension. *Exp Biol P153*, 2010.
14. **Figueroa A**, Vicil F. Acute aortic blood pressure and systemic arterial stiffness responses to low-intensity resistance exercise with and without vascular occlusion. *Med Sci Sports Exer*; 41: S114, 2009.
15. Echols G, Heffernan KS, **Figueroa A**, Collier S, Baynard T, Giannopoulou S, Fernhall B. Parasympathetic modulation of the autonomic nervous system in individuals with Down syndrome. *Med Sci Sports Exer*; 41:S218, 2009.
16. Kingsley JD, Panton LB, McMillan V, **Figueroa A**. Forearm blood flow and vasodilatory capacity in women with fibromyalgia. *Southeast American College of Sports Medicine*. Birmingham, AL, 2009.
17. Hornbuckle L, Meuret J, **Figueroa A**, Panton L. Comparisons of post-exercise resting metabolic rate after thirty minutes of intermittent treadmill and resistance exercise. *Med Sci Sports Exer*; 40: S26, 2008.
18. **Figueroa A**, Kingsley JD, McMillan V, Panton LB. Sixteen weeks of resistance training increases heart rate variability in women with fibromyalgia. *Med Sci Sports Exer*; 40: S283, 2008.
19. Baynard T, Franklin RM, Goulopoulou S, Carhart RL, Fernhall B, **Figueroa A**, Weinstock R, Kanaley JA. Acute hyperglycemia increases hemodynamic responses similarly in groups with and without type 2 diabetes during isometric exercise. *Med Sci Sports Exer*; 40: S287, 2008.
20. Fernhall B, Baynard T, Collier SR, Goulopoulou S, **Figueroa A**, Kamimori GH, Pitetti KH. Reduced catecholamine response to maximal exercise in persons with down syndrome. *Med Sci Sports Exer*; 40:S288, 2008.
21. Ofori E, Heffernan KS, Sosnoff JJ, Baynard T, Goulopoulou S, Collier SB, **Figueroa A**, Fernhall B. Muscular weakness and force variability in individuals with down syndrome. *Med Sci Sports Exer*; 40:S44, 2008.
22. Murriet J., **Figueroa A**., Wilson JM, Panton LB. The effects of high intensity weight training and interval training on metabolism in college aged females. *Southeast Regional American College of Sports Medicine*. Birmingham, AL, 2008.

23. Newlin MT, Kingsley JD, Hornbuckle L, McMillan VM, **Figueroa A.**, Panton LB. Effects of body mass index on measured and perceived functionality in women with Fibromyalgia. . *Med Sci Sports Exer*, 39(5): S415, 2007.
24. Kingsley JD, Panton, L., McMillan, V., **Figueroa, A.** Autonomic dysfunction at rest and during isometric exercise in women with fibromyalgia. *Med Sci Sports Exer*, 39(5): S286, 2007.
25. Hornbuckle LM, Kingsley JD, Wilson J, St. John N, Holmes A, Mathis R, Van Tassel J, McMillan V, **Figueroa A**, Panton L. Effects of strength training and chiropractic therapy on functionality in women with Fibromyalgia. *Med Sci Sports Exer*, 39(5): S294, 2007.
26. **Figueroa A**, Baynard T, Fernhall B, Carhart R, Kanaley JA. Moderate exercise training improves post-exercise cardiac autonomic modulation in obese women with and without type 2 diabetes. *Med Sci Sports Exer*,39(5): S53, 2007.
27. Wilson JM. Hornbuckle LM, Kingsley JD, St John N, Mathis R, Van Tassel J, McMillan V, **Figueroa A**, Panton LB. Effects of strength training and chiropractic therapy on symptoms of Fibromyalgia. *Southeast Regional American College of Sports Medicine*. Charlotte, NC, 2007.
28. Hornbuckle LM, Wilson J, Kingsley JD, St John N, Mathis R, Van Tassel J, McMillan V, **Figueroa A**, Panton LB. Effects of strength training and chiropractic therapy in women diagnosed with Fibromyalgia. *Southeast Regional American College of Sports Medicine*. Charlotte, NC, 2007.
29. **Figueroa A**, Baynard T, Fernhall B, Carhart R, Kanaley JA. Impaired Cardiovascular Autonomic Modulation After Walking in Middle-aged Women With Type 2 Diabetes. *Med Sci Sports Exer*, 38: 18, 2006.
30. Fernhall B, **Figueroa A**, Baynard T, Gouloupoulou S, Collier S, Giannopoulou I, Beets M, Pitetti K. Hemodynamic Responses to Submaximal Cycle Ergometry in Individuals with Down Syndrome. *Med Sci Sports Exer*, 38: 114, 2006.
31. Baynard T, Gouloupoulou S, Giannopoulou I, Collier S, **Figueroa A**, Beets M, Pitetti K, Fernhall B. Heart rate variability responses to handgrip and cycle ergometry in persons with Down syndrome. *Med Sci Sports Exer*, 38: 317, 2006.
32. Kingsley JD, Panton LB, Lee J, McMillan V, Fernhall B, **Figueroa A**. Exercise pressor response in overweight and obese women with fibromyalgia. *Med Sci Sports Exer*, 38: 320, 2006.
33. Franklin R, **Figueroa A**, Baynard T, Carhart R, Kanaley J. Effects of single vs. multiple bout moderate exercise training on heart rate during submaximal exercise in women. *Med Sci Sports Exer*, 38: 324, 2006.
34. Hornbuckle L, Panton L, Kingsley D, St. John N, Holmes A, McMillan V, **Figueroa A**. Pedometer-determined physical activity in women diagnosed with fibromyalgia. *Med Sci Sports Exer*, 38: 515, 2006.
35. **Figueroa-Galvez A**, Baynard T, Collier S, Giannopoulou I, Gouloupoulou S, Beets M, Pitetti K, Fernhall B. Hemodynamic responses to submaximal cycling are not attenuated in individuals with Down syndrome. *Med Sci Sports Exer*, 37: 217, 2005.
36. Fernhall B, **Figueroa A**, Baynard T, Collier S, Gouloupoulou S, Giannopoulou I, Beets M, Pitetti K. Obesity does not influence autonomic and hemodynamic responses to isometric handgrip exercise in individuals with Down syndrome. *Med Sci Sports Exer*, 37: 4, 2005.
37. Franklin R, Baynard T, Gouloupoulou S, **Figueroa A**, Fernhall B, Kanaley J. Autonomic function in obese, type 2 diabetic women compared to healthy controls. *Med Sci Sports Exer*, 37: 5, 2005.

38. Kanaley J, Baynard T, Franklin R, Carhart R, **Figueroa A**, Goulopoulou S, Fernhall B. Single vs. multiple bouts of exercise similarly affect heart rate variability. *Med Sci Sports Exerc*, 37: 5, 2005.
39. Fernhall B, Collier S, Baynard T, Goulopoulou S, Giannopoulou I, **Figueroa A**, Pitetti, M. Beets. Arterial compliance during isometric and endurance exercise in adolescents and adults with Down syndrome. *Ped Excer Sci*, 17: 2005.
40. Baynard T, Collier S, **Figueroa A**, Goulopoulou S, Pitetti K, Beets M, Fernhall B. Hemodynamic Comparisons between Adolescents and Middle-aged Adults with Down Syndrome during Isometric and Aerobic Exercise. *Ped Excer Sci*, 17:82, 2005.
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42. **Figueroa A**, Baynard T, Kanaley J. Hemodynamics of post-dynamic submaximal exercise in obese women with and without type 2 diabetes. *Med Sci Sports Exerc*, 36: 211, 2004
43. Franklin R, Goulopoulou S, **Figueroa A**, Fernhall B, Kanaley J. Single vs multiple bout training on glycemic control and lipidemia in obese women. *Med Sci Sports Exerc*, 36: 189, 2004.
44. Heffernan K, Baynard T, Goulopoulou S, Giannopoulou I, Collier S, **Figueroa A**, Fernhall B. Alterations in baroreflex sensitivity do not explain attenuated response to sympathoexcitation in Down Syndrome. *Med Sci Sports Exerc*, 36:S157, 2004.
45. Fernhall B, Baynard T, **Figueroa A**, Collier S, Giannopoulou I, Goulopoulou S. Reduced sympathetic modulation of the SA node in response to upright tilt is related to blunted maximal heart rate in individuals with Down Syndrome. *Med Sci Sports Exerc*, 36:S129, 2004.
46. Goulopoulou S, Baynard T, Giannopoulou I, Collier S, **Figueroa A**, Fernhall B. Factors contributing to heart rate variability in individuals with mental retardation with and without Down syndrome. *Med Sci Sports Exerc*, 36:S129, 2004.
47. **Figueroa-Galvez A**, Giannopoulou I, Fernhall B, Kanaley J. Heart rate variability and hemodynamic responses to isometric exercise in middle-aged and older type 2 diabetic obese women. *J Cardiopulm Rehabil*, 23 (5):372, 2003.
48. **Figueroa A**, Collier S, Baynard T, Giannopoulou I, Fernhall B. Heart rate variability during cold pressor test in Down syndrome. *Med Sci Sports Exerc*, 35(5):S406, 2003.
49. Collier SR, **Figueroa A**, Baynard T, Giannopoulou F, Fernhall B. The effect of handgrip exercise on heart rate variability in Down Syndrome. *Med Sci Sports Exerc*, 35 (5):S319, 2003.
50. Fernhall B, **Figueroa A.**, Collier S, Giannopoulou F, Goulopoulou S, Baynard T. Resting metabolic rate is not reduced in obese individuals with Down Syndrome. *Med Sci Sports Exerc*, 35(5):S181, 2003.
51. **Figueroa A**, I. Giannopoulou, S. Collier, B. Fernhall, FACSM. Hemodynamic responses to isometric contraction in people with Down syndrome. *Med Sci Sports Exerc*. 34(5):S15, 2002.
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54. **Figueroa A**, Going SB, Lohman TG. Effects of Resistance Training on Soft Tissue and Sex Hormones in Postmenopausal Women. *Med Sci Sports Exerc* 31(5):S126, 1999.

55. Milliken LA, Saboda K, **Figueroa A**, et al. Effects of Exercise on Bone Remodeling in Postmenopausal Women. *Med Sci Sports Exerc* 31(5):S248, 1999.
56. **Figueroa A**, Going SB, Lohman TG, and Matt KS. Resistance Training and Hormone Replacement Therapy on Growth Hormone and Cortisol. *Med Sci Sports Exerc* 30(5): S107, 1998.

CONFERENCISTA INVITADO

- **Universidad de Guanajuato**, León, Guanajuato, México. 10th Meeting of Medical Sciences. April 22, 2010.
- **Universidad Autónoma de Nuevo León**. XVII International Meeting, Physical Education, Sport and Applied Sciences (Congreso Internacional, Educacion Fisica, Deportes y Ciencias Aplicadas). October 28-30, 2009.
- **Universidad Autónoma de Chihuahua**. Chihuahua, México. May 26-28, 2008.
- **Comisión Estatal del Deporte y Atención a la Juventud**. II International Meeting of Medicine and Applied Sport Sciences (II Congreso Internacional de Medicina y Ciencias Aplicadas al Deporte). September 17-20, 2008.
- **Benemérita Universidad Autónoma de Puebla**. Puebla, Puebla, México. 2^o International Meeting of Physical Education Professional (Encuentro Internacional de Profesionales de la Cultura Física). September 25, 2008.
- **Universidad Autónoma de Ciudad Juárez**. 4^o International Meeting of Biotechnological Sciences (Congreso Internacional de Ciencias Biotecnología). October 27-29, 2008.
- **Universidad de Guanajuato**, León, Guanajuato, México. August 16-18, 2005.
 - Control of the heart by the autonomic nervous system
 - Cardiovascular function and responses to exercise
- **Universidad de Guanajuato**, León, Guanajuato, México. November 21-23, 2007.
 - International certification in anthropometric evaluation
- **Comisión Estatal del Deporte y Atención a la Juventud**. León, Guanajuato, México.
 - International Seminar of Resistance Exercise: Benefits y Prescription. August 14-15, 2008.

MIEMBRO DE ORGANIZACIONES PROFESIONALES

American College of Sports Medicine
American Heart Association

EDITOR ASOCIADO

American Journal of Cardiovascular Disease

REVISADOR EDITORIAL

Journal of Applied Physiology
Medicine & Science in Sports & Exercise
American Journal of Hypertension
Journal of Human Hypertension
European Journal of Applied Physiology
International Journal of Sports Medicine