

CURRICULUM VITAE

E. Todd Schroeder, PhD, FACSM

2020

1. BIOGRAPHICAL INFORMATION

PERSONAL INFORMATION:

Address: Clinical Exercise Research Center
University of Southern California
Division of Biokinesiology & Physical Therapy
1540 E. Alcazar St. CHP-155
Los Angeles, CA 90033
(323) 442-2498
eschroed@usc.edu
Lab Website: <https://sites.usc.edu/cerc/>

UNIVERSITY EDUCATION:

- 2000-2003 **Postdoctoral Fellowship**, Department of Medicine, Keck School of Medicine, University of Southern California, Los Angeles, CA
- 1996-2000 **Ph.D. Biokinesiology**, University of Southern California, Los Angeles, CA
- 1994-1996 **M.A. Sport Sciences**, University of the Pacific, Stockton, CA
- 1987-1992 **B.S. Human Physiology**, University of California at Davis, Davis, CA

ACADEMIC APPOINTMENTS:

- 2012-pres. **Associate Professor of Clinical Physical Therapy**, Full-time faculty, Division of Biokinesiology and Physical Therapy
- 2009-2012. **Assistant Professor of Clinical Physical Therapy**, Full-time faculty, Division of Biokinesiology and Physical Therapy
- 2003-2009 **Assistant Professor of Research**, Full-time faculty, Division of Biokinesiology and Physical Therapy, with a joint appointment (March, 2004) in the Keck School of Medicine, Department of Medicine, University of Southern California
- 2001-2003 **Adjunct Assistant Professor**, Part-time faculty, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2001 **Adjunct Assistant Professor**, Part-time faculty, Department of Biology and Microbiology, California State University, Los Angeles
- 2001-2003 **Instructor**, Department of Medicine, Keck School of Medicine of the University of Southern California

HONORS, AWARDS, AND FELLOWSHIPS:

- 2009 Fellow of the American College of Sports Medicine (FACSM)
- 2003 Abstract Recognition Award- top 125 of 2500 submissions, Endocrine Society's 85th Annual Meeting, Philadelphia, PA
- 2002 Abstract Recognition Award- top 125 of 2500 submissions, Endocrine Society's 84th Annual Meeting, San Francisco, CA
- 2002 Fellow Scholarship Award, Clinical Research Meeting, Baltimore, MD
- 2002 Outstanding Teacher of the Year Award, University of Southern California Department of Biokinesiology & Physical Therapy
- 2000 BTG Corporation Fellowship Award (\$64,000)
- 1999 Finalist- Life Fitness Michael B. Pollock Memorial Scholarship Award
- 1999 Biokinesiology Scholarship Award
- 1998 Finalist- Student Award Presentations, 1998 SWACSM Conference
- 1998 Biokinesiology Scholarship Award

PROFESSIONAL ORGANIZATIONS:

American Physiological Society
American College of Sports Medicine
Southwest American College of Sports Medicine
National Strength and Conditioning Association
American Society for Radiation Technologists

II. ADMINISTRATIVE AND SERVICE ACTIVITIES

UNIVERSITY SERVICE:

- 2010-pres. USC Health Sciences Institutional Review Board (IRB) Committee Member (Provost Appointment)
- 2010-pres. USC Radiation Safety Committee (Provost Appointment)

DIVISION SERVICE:

2008-pres. DPT Admissions Committee Member
2018-pres. DPT Admissions Committee Scholarship Chair
2012-pres. Awards Committee
2010-pres. Biokinesiology Admissions Committee
2003-pres. Director of the Clinical Exercise Research Center
2014-2017 Internal IRB Review for Division Research Committee
2012-2014 Division Research Committee
2012-2013 CHP 148 Space Planning and Utilization Committee Chair
2011-2013 Executive Committee
2010-2012 Bice Clinical Research Center Space Utilization Committee
2010,2013 Faculty Search Committee
2006-2010 Bice Clinical Research Center Development Committee and project manager
2006-2007 Strategic Planning Committee
2005-2007 Executive Committee
2004 Faculty Search Committee

PROFESSIONAL SERVICE:

2018-pres. Foundation for Physical Therapy Scientific Review Committee
2010-2015 Editorial Board Member for Medicine and Science in Sports and Exercise

JOURNAL PAPERS REVIEWED:

2019

Medicine and Science in Sports and Exercise
Sports
Journal of Strength and Conditioning Research
Obesity Research & Clinical Practice
Journal of Gerontology Medical Sciences
Journal of the International Association of Providers of AIDS Care
Advances in Aging Research

III. SCHOLARLY ACTIVITIES

PUBLICATIONS (PEER REVIEWED):

(* indicates USC student or former student under Dr. Schroeder's supervision; Senior Author is underlined)

1. Macaulay TR*, Fisher BE, Schroeder ET. (2020) Potential Indirect Mechanisms of Cognitive Enhancement After Long-Term Resistance Training in Older Adults. *Phys Ther*, Jan 16. PMID: 31944253. IMPACT FACTOR = 3.04
2. Dexheimer JD*, Schroeder ET, Sawyer BJ, Pettitt RW, Aguinaldo AL, Torrence WA. (2019) Physiological performance measures as indicators of CrossFit® Performance. *Sports*, Apr 22;7(4). PMID: 31013585. IMPACT FACTOR = 1.68
3. Kelly LA, Holmberg PM, Schroeder ET, Loza A, Lin X, Moody A, Hughes A, Gibson AM, Kirk A. (2019) Effect of home-based strength training program IGF-1, IGFBP-1, and IGFBP-3 in obese Latino boys participating in a 16-week randomized controlled trial. *J Pediatr Endocrinol Metab*. Oct 25;32(10):1121-1129. PMID: 31539362. IMPACT FACTOR = 1.24
4. Huang C*, Schroeder ET, Powers C. (2019) Antigravity treadmill training during the early rehabilitation phase following unicompartmental knee arthroplasty: A case series. *Physiotherapy Theory and Practice*. May;35(5):489-494. PMID: 29482413. IMPACT FACTOR = 1.2.
5. Anderson LJ*, Chao LC, Baker LL, Schroeder ET. (2019) Circulating estrogen blunts the myokine, but not atrogene, response after NMES in young women. *European J of Sports & Exercise Science*, 6(3): 119-131. IMPACT FACTOR = 2.61
6. Dawson JK*, Dorff TB, Schroeder ET, Lane CJ, Gross ME, Dieli-Conwright CM*. (2018) Impact of resistance training on body composition and metabolic syndrome variables during androgen deprivation therapy for prostate cancer: a pilot randomized controlled trial. *BMC Cancer*. 18:368. <https://doi.org/10.1186/s12885-018-4306-9>. IMPACT FACTOR = 3.28
7. Wu B*, Lorezanza D, Badash I, Berger M, Lane C, Sum JC, Hatch GF 3rd, Schroeder ET. (2017) Perioperative testosterone supplementation increases lean mass in healthy men undergoing anterior cruciate ligament reconstruction: a randomized controlled trial. *Orthop J Sports Med*. Aug 9;5(8). PMID 28840147: IMPACT FACTOR = 3.37
8. Wu B*, Graff R, Badesh I, Skeate J, Lane C, Mansour I, Rao R, Yi A, Merriman J, Vangsness, CT, Hatch GR III, Dorr L, Gilbert P, Schroeder ET. (2017) Effect of tourniquet use during total knee arthroplasty on global inflammatory cytokine changes associated with ischemia-reperfusion injury. *Clin Trials Orthop Dis* 2(1):1-10. IMPACT FACTOR = 1.77
9. Kiwata JL*, Dorff TB, Schroeder ET, Salem GJ, Lane CJ, Rice JC, Gross ME, Dieli-Conwright CM*. (2017) A pilot randomized controlled trial of a periodized resistance training and protein supplementation intervention in prostate cancer survivors on androgen deprivation therapy. *BMJ Open*. Jul 10;7(7). PMID 28698349; IMPACT FACTOR = 2.37

10. Anderson LJ*, Baker LL, **Schroeder ET**. (2017) Blunted myoglobin and quadriceps soreness after electrical stimulation during the luteal phase or oral contraception. *Res Q Exerc Sport*. Jun;88(2):193-202. PMID 28388333; IMPACT FACTOR = 0.56
11. Kiwata JL*, Dorff TB, **Schroeder ET**, Gross ME, Dieli-Conwright CM*. (2016) A review of clinical effects associated with metabolic syndrome and exercise in prostate cancer patients. *Prostate Cancer and Prostatic Diseases*. 19(4):323-332. PMID 27349496; IMPACT FACTOR = 3.8
12. Diei-Conwright CM*, Kiwata JL, Tuzon C, Spektor TM, Sattler FR, Rice JC, **Schroeder ET**. (2016) Acute response of PGC-1 and IGF-1 isoforms to maximal eccentric exercise in skeletal muscle of postmenopausal women. *J Strength Cond Research* 30(4):1161-70. PMID 26340467; IMPACT FACTOR = 2.07
13. Villanueva MG*, Lane CJ, **Schroeder ET**. (2015) Short rest interval lengths between sets optimally enhance body composition and performance with 8 weeks of strength resistance training in older men. *Eur J Appl Physiol*. 115(2):295-308. PMID 2529466; IMPACT FACTOR = 2.18
14. Erceg DN*, Anderson LJ*, Nickles CM, Lane CJ, Weigensberg MJ, **Schroeder ET**. (2015) Changes in bone biomarkers, BMC, and insulin resistance following a 10-week whole body vibration exercise program in overweight Latino boys. *Int J Med Sci*. 12(6):494-501. PMID 26078701; IMPACT FACTOR = 2.03
15. Sorenson SC, Romano R, Azen SP, **Schroeder ET**, Salem GJ. (2015) Lifespan exercise among elite intercollegiate student-athletes. *Sports Health*. 7(1):80-86. PMID: 25553217; IMPACT FACTOR = 1.1
16. Sorenson SC, Romano R, Scholefield RM, **Schroeder ET**, Azen SP, Salem GJ. (2015) The Trojan lifetime champions health survey: development, validity, and reliability. *J Athletic Training*. 50(4):407-18. PMID: 25611315; IMPACT FACTOR = 2.47
17. Kelly LA, Loza A, Lin X, **Schroeder ET**, Hughes A, Kirk A, Knowles AM. (2015) The effect of a home-based strength training program on type 2 diabetes risk in obese Latino boys. *J Ped Endo Metab*. 28(3-4):315-22. PMID: 25781537; IMPACT FACTOR = 0.99
18. Wu BW*, Berger M, Sum JC, Hatch GF, **Schroeder ET**. (2014) Randomized control trial to evaluate the effects of acute testosterone administration in men on muscle mass, strength, and physical function following ACL reconstructive surgery: rationale, design, methods. *BMC Surgery* 14:102. PMID: 25481088; IMPACT FACTOR = 1.24
19. Vathsangam H, **Schroeder ET**, Sukhatme G. (2014) Hierarchical approaches to estimate energy expenditure using phone-based accelerometers. *IEEE J Biomed Health Inform* 18(4):1242-52. PMID: 25014933; IMPACT FACTOR = 1.98
20. Dieli-Conwright CM*, Mortimer JE, **Schroeder ET**, Courneya K, Demark-Wahnefried W, Buchanan TA, Tripathy D, Bernstein L. (2014) Randomized controlled trial to evaluate the

effects of combined progressive exercise on metabolic syndrome in breast cancer survivors: rationale, design, and methods. *BMC Cancer* 14(1):238.
PMID: 24708832; IMPACT FACTOR = 3.33

21. Anderson LJ*, Erceg DN*, **Schroeder ET**. (2014) Utility of multi-frequency bioelectrical impedance compared to deuterium dilution for assessment of total body water. *Nutrition & Dietetics*.
PMID:IMPACT FACTOR = 0.67
22. Villanueva MG*, He J, **Schroeder ET**. (2014) Periodized resistance training with and without supplementation improve body composition and performance in older men. *Eur J App Physiol* 114(5):891-905.
PMID: 24458508; IMPACT FACTOR = 2.66
23. Sorenson SC*, Romano R, Scholefield RM, Martin BE, Gordon JG, Azen SP, **Schroeder ET**, Salem GJ. (2014) Holistic lifespan health outcomes among elite intercollegiate student-athletes. *J Athletic Training*.
PMID: 25117874; IMPACT FACTOR = 2.47
24. Vathsangam H, Emken BA, **Schroeder ET**, Spruijt-Metz D, and Sukhatme GS. (2013) Hierarchical linear models for energy prediction using inertial sensors: A comparative study for treadmill walking. *J Ambient Intell Humaniz Comput* 4(6):747-758.
PMID: 24443658; IMPACT FACTOR = 1.29
25. **Schroeder ET**, Villanueva M*, West DD, Phillips SM (2013). Are acute post-resistance exercise increases in testosterone, growth hormone, and IGF-1 necessary to stimulate skeletal muscle anabolism and hypertrophy. *Med Sci Sports Exerc*. 45(11):2044-2051.
PMID:24136137; IMPACT FACTOR = 4.43
26. He J, Bhasin S, Binder EF, Yarasheski KE, Castaneda-Sceppa C, **Schroeder ET**, Roubenoff R, Chou CP, Azen SP, Sattler FR. Cardiometabolic risks during anabolic hormone supplementation in older men. *Obesity* 21(5):968-975, 2013.
PMID 23784898; IMPACT FACTOR = 3.92
27. Villanueva MG*, Villanueva MG*, Lane CJ, **Schroeder ET**. Influence of rest interval length on acute testosterone and cortisol responses to volume-load equated total body hypertrophic and strength protocols. *J Strength Cond Research* 26(10):2755-2764, 2012.
PMID 22796997; IMPACT FACTOR = 1.85
28. Anderson LJ*, Erceg DN*, **Schroeder ET**. Utility of multifrequency bioelectrical impedance compared with dual-energy x-ray absorptiometry for assessment of total and regional body composition varies between men and women. *Nutrition Research* 32(7):479-485, 2012.
PMID 22901555; IMPACT FACTOR = 2.09
29. Dieli-Conwright CM*, Spektor TM, Rice JR, Sattler FR, **Schroeder ET**. Hormone therapy and maximal eccentric exercise alters myostatin-related gene expression in postmenopausal women. *J Strength Cond Research* 26(5), 1374-1382, 2012.
PMID:22395277; IMPACT FACTOR = 1.85
30. **Schroeder ET**, He J, Yarasheski KE, Binder EF, Castaneda-Sceppa C, Bhasin S, Dieli-Conwright CM, Kawakubo M, Roubenoff R, Azen SP, Sattler FR. Value of measuring

muscle performance to assess changes in lean mass with testosterone and growth hormone supplementation. *Eur J Appl Physiol* 112(3):1123-1131, 2012. PMID 21748366. IMPACT FACTOR = 2.21

31. Davis JN, Gyllenhammer LE, Vanni AA, Meija M, Tung A, **Schroeder ET**, Spruijt-Metz D, and Goran MI. Start-up circuit training program reduces metabolic risk in Latino adolescents. *Med Sci Sports Exerc* 43(11):2195-2203, 2011. PMID 21502883. IMPACT FACTOR = 4.41
32. Sattler FR, Bhasin S, Jiaxiu H, Yarasheski KE, Binder EF, **Schroeder ET**, Castaneda-Sceppa C, Kawakubo M, Roubenoff R, Dunn M, Hahn C, Stewart Y, Martinez C, Azen SP. Durability of the effects of testosterone and growth hormone supplementation in older community dwelling men: the HORMA trial. *Clin Endocrinology* 75(1):103-111, 2011. PMID 21521283. IMPACT FACTOR = 3.32
33. Sattler FR, Bhasin S, Jiaxiu H, Chou C, Castaneda-Sceppa C, Yarasheski KE, Binder EF, **Schroeder ET**, Kawakubo M, Zhang, A, Roubenoff R, Azen SP. Testosterone threshold levels and lean tissue mass targets needed to enhance skeletal muscle strength and function: The HORMA Trial. *J Gero Med Sci* 66A(1):122-129, 2011. PMID 21059836. IMPACT FACTOR = 3.98
34. Yarasheski KE, Castaneda-Sceppa C, Jiaxiu H, Kawakubo M, Bhasin S, Binder EF, **Schroeder ET**, Roubenoff R, Azen SP, and Sattler FR. Whole body and muscle protein metabolism are not affected by acute deviations from habitual protein intake in older men: the HORMA Study. *Amer J Clin Nutr* 94(1):172-181, 2011. PMID 21543538. IMPACT FACTOR = 6.61
35. Vathsangam H, Emken A, **Schroeder ET**, Spruijt-Metz D, and Sukhatme GS. Towards a Generalized Regression Model for On-body Energy Prediction from Treadmill Walking. *Pervasive Computing Technologies for Healthcare* (in press). IMPACT FACTOR = 1.06
36. Vathsangam H, Emken A, **Schroeder ET**, Spruijt-Metz D, and Sukhatme GS. Determining energy expenditure from treadmill walking using hip-worn inertial sensors: an experimental study. *IEEE Transactions on Biomedical Engineering* 58(10):2804-2815, 2011. PMID 21690001. IMPACT FACTOR = 1.06
37. Jensky NE*, Sims JK, Dieli-Conwright CM*, Sattler FR, Rice JC, **Schroeder ET**. Exercise does not influence myostatin and follistatin mRNA expression in young women. *J Strength Cond Res* 24(2):522-30, 2010. PMID 20124796. IMPACT FACTOR = 1.85
38. Vathsangam H, Emken A, **Schroeder ET**, Spruijt-Metz D, and Sukhatme GS. Energy estimation of treadmill walking using on-body accelerometers and gyroscopes. *Conf Proc IEEE Eng Med Biol Soc* 6497-6501, 2010. PMID 21096952. IMPACT FACTOR = 1.06

39. Erceg DN*, Dieli-Conwright CM*, Rossuello A*, Jensky NE*, Sun S*, **Schroeder ET**. The Stayhealthy Bioelectrical Impedance Analyzer Predicts Body Fat in Children and Adults. *Nutrition Res* 30:297-304, 2010. PMID 20579521.
IMPACT FACTOR = 2.09
40. Dieli-Conwright CM*, Spektor TM, Rice JR, **Schroeder ET**. Hormone replacement therapy and messenger RNA Expression of Estrogen Receptor Coregulators after Exercise in Postmenopausal Women. *Med Sci Sports Exerc* 42(3):422-9, 2010. PMID 20164697.
IMPACT FACTOR = 4.1
41. Dieli-Conwright CM*, Spektor TM, Rice JR, Sattler FR, **Schroeder ET**. Influence of Hormone Replacement Therapy on Eccentric Exercise Induced Myogenic Gene Expression in Postmenopausal Women. *J Appl Physiol* 107(5):1381-8, 2009. PMID 19696363.
IMPACT FACTOR = 4.23
42. Bhasin S, Jaixiu He E, Kawakubo M, **Schroeder ET**, Yarasheski KE, Opiteck GJ, Reicin A, Chen F, Lam R, Tsou JA, Castaneda-Sceppa C, Binder EF, Azen SP, **Sattler FR**. N-Terminal Propeptide of Type III procollagen (P3NP) as a Biomarker of Anabolic Response to recombinant human Growth Hormone and Testosterone. *J Clin Endo Metab* 94(11):4224-33, 2009. PMID:19837911.
IMPACT FACTOR = 6.20
43. Dieli-Conwright CM*, Spektor TM, Rice JR, **Schroeder ET**. Hormone Therapy Attenuates Exercise-induced Skeletal Muscle Damage in Postmenopausal Women. *J Appl Physiol* 107(3):853-8, 2009. PMID:19574506.
IMPACT FACTOR = 3.73
44. **Sattler FR**, Castaneda-Sceppa C, Binder EF, **Schroeder ET**, Wang Y, Bhasin S, Kawakubo M, Stewart Y, Yarasheski KE, Ulloor J, Colletti P, Roubenoff R, Azen SP. Testosterone and growth hormone improve body composition and muscle performance in older men: The HORMA Study. *J Clin Endo Metab.* 94(6):1991-2001, 2009. PMID:19293261.
IMPACT FACTOR = 6.20
45. Dieli-Conwright CM*, Spektor TM, Rice JR, **Schroeder ET**. Oestradiol and SERM Treatments Influence Oestrogen Receptor Coregulator Gene Expression in Human Skeletal Muscle Cells. *Acta Physiol* 197(3):187-96, 2009. PMID:19432593.
IMPACT FACTOR = 2.81
46. Dieli-Conwright CM*, Jensky-Squires NE*, Battaglia G*, McCauley S*, **Schroeder ET**. Validation of the CardioCoachCO2 for Submaximal and Maximal Metabolic Exercise Testing. *Journal of Strength and Conditioning Research. J Strength Cond Res* 23(4):1316-1320, 2009. PMID:19528838.
IMPACT FACTOR = 1.46
47. Jensky-Squires NE*, Dieli-Conwright CM*, Rossuello A*, Erceg DN*, McCauley S*, **Schroeder ET**. Validity and Reliability of Body Composition Analyzers in Children and Adults. *British Journal of Nutrition* 100(4):859-865, 2008. PMID:18346304.
IMPACT FACTOR = 2.76

48. **Schroeder ET**, Castaneda-Sceppa C, Wang Y, Binder EF, Kawakubo M, Sterwart Y, Storer T, Roubenoff R, Bhasin S, Yarasheski KE, Sattler FR, Azen SP. Hormonal Regulators of Muscle and Metabolism in Aging (HORMA): Design and Conduct of a Complex, Double Masked Multicenter Trial. *Clinical Trials* 4:560-571, 2007. PMID:17942471. IMPACT FACTOR = 2.36
49. Jensky NE*, Sims JK, Rice JC, Dreyer HC*, **Schroeder ET**. The Influence of Eccentric Exercise on mRNA Expression of Skeletal Muscle Regulators. *Eur J Appl Phys* 101:473-480, 2007. PMID:20124796. IMPACT FACTOR = 1.75
50. **Schroeder ET**, Wang Y, Castaneda-Sceppa C, Cloutier G, Vallejo AF*, Kawakubo M, Jensky NE*, Coomber S, Azen SP, Sattler FR. Reliability of Maximal Voluntary Muscle Strength and Power Testing in Older Men. *J Gerontology Med Sci* 62A 5:543-549, 2007. PMID:17522360. IMPACT FACTOR = 2.93
51. **Schroeder ET**, Hawkins SA, Jaque SV, Vallejo AF*, Dreyer HC*, Shaibi G*, Wiswell RA. Longitudinal Change in Coronary Heart Disease Risk Factors in Older Runners. *Age and Ageing* 36:57-62, 2007. PMID:17158116. IMPACT FACTOR = 1.91
52. Vallejo AF*, **Schroeder ET**, Zheng L, Jensky NE*, Sattler FR. Cardiopulmonary Responses to Eccentric and Concentric Resistance Exercise in Older Adults. *Age and Aging* 35:291-297, 2006. PMID:16638770. IMPACT FACTOR = 1.91
53. Dreyer HC*, **Schroeder ET**, Hawkins SA, Marcell TH, Tarpenning KM, Vallejo AF*, Jensky NE, Shaibi GQ, Spears S, Yamada R, Wiswell RA. Chronic Exercise and Skeletal Muscle Power in Older Men. *Appl Physiol Nutr Metab* 31(3):190-195, 2006. PMID:16770344. IMPACT FACTOR = 1.57
54. Dreyer HC*, Blanco CE, Sattler FR, **Schroeder ET**, Wiswell RA. Satellite Cell Numbers in Young and Older Men 24 Hours After Eccentric Exercise. *Muscle and Nerve* 33:242-253, 2006. PMID:16315322. IMPACT FACTOR = 2.30
55. **Schroeder ET**, Vallejo AF*, Zheng L, Yarasheski K, Stewart Y, Maritnez C, Sattler FR. Six Week Improvements in Muscle mass and Strength During Androgen Therapy in Older Men. *J Gerontol Med Sci* 60A(12):1586-1592, 2005. PMID:16424293. IMPACT FACTOR = 2.93
56. Storer TW, Woodhouse LJ, Sattler FR, Singh AB, **Schroeder ET**, Beck K, MaClara P, Mac R, Yarasheski KE, Geurts P, Willemsen A, Harms MK, Bhasin S. A Randomized, Placebo-Controlled Trial of Nandrolone Decanoate in HIV-Infected Men with Mild to Moderate Weight Loss with Recombinant Human Growth Hormone as Active Reference Treatment. *J Clin Endocrinol Metab* 90(8):4474-4482, 2005. PMID:15914526. IMPACT FACTOR = 6.02

57. **Schroeder ET**, Zheng L, Ong, M, Martinez, C, Flores C, Stewart Y, Azen C, Sattler FR. Effects of Androgen Therapy on Adipose Tissue and Metabolism in Older Men. *J Clin Endocrinol Metab* 89(10):4863-4872, 2004. PMID:15472177.
IMPACT FACTOR = 5.78
58. **Schroeder ET**, Zheng L, Qian D, Stewart Y, Flores C, Maritnez C, Azen C, M. Terk, Sattler FR. Treatment with oxandrolone and durability of effects in older men. *J Appl Physiol* 96:1055-1062, 2004. PMID:14578370.
IMPACT FACTOR = 3.50
59. **Schroeder ET**, Hawkins SA and Jaque SV. Musculoskeletal adaptations to 16 weeks of eccentric resistance training in young women. *J Strength Cond Research* 18(2), 227-235, 2004. PMID:15142019.
TIMES CITED = 25; IMPACT FACTOR = 0.92
60. Afghani A, Abbott AV, Wiswell RA, Jaque SV, Gleckner C, **Schroeder ET**, and Johnson CA. Central adiposity, aerobic fitness, and blood pressure in premenopausal Hispanic women. *Int J Sports Med* 25(8):599-606, 2004.
IMPACT FACTOR = 1.36
61. Afghani A, Abbott AV, Wiswell RA, Jaque SV, Gleckner C, **Schroeder ET**, and Johnson CA. Bone mineral density in Hispanic women: role of aerobic capacity, fat-free mass, and adiposity. *Int J Sports Med* 25(5):384-390, 2004.
; IMPACT FACTOR = 1.36
62. **Schroeder ET**, Terk M, Sattler FR. Androgen therapy improves muscle mass and strength but not muscle quality: Results from two studies. *Am J Physiol Endocrinol Metab* 285:E16-E24, 2003. PMID:12637255.
IMPACT FACTOR = 3.83
63. **Schroeder ET**, Singh A, Bhasin S, Storer TW, Azen C, Davidson T, Martinez C, Sinha-Hikim I, Jaque SV, Terk M, Sattler FR. Effects of an oral androgen on muscle and metabolism in older, community dwelling men. *Am J Physiol Endocrinol Metab* 284:E120-128, 2003. PMID:12388137.
IMPACT FACTOR = 3.83
64. Hawkins SA, **Schroeder ET**, Dreyer HC, Underwood S, Wiswell RA. Five year maintenance of bone mineral density in women master runners. *Med Sci Sports Exerc* 35(1):137-144, 2003. PMID:12544647.
IMPACT FACTOR = 2.59
65. Sattler FR, **Schroeder ET**, Dube M, Jaque SV, Marinez C, Blanche PJ, Azen S, Krauss RM. Metabolic effects of nandrolone decanoate and resistance training in men with HIV. *Am J Physiol Endocrinol Metab* 283:E1214-1222, 2002. PMID:12388173.
IMPACT FACTOR = 3.62
66. Dreyer HC, Hawkins SA, **Schroeder ET**, Hyslop DM, Wiswell RA. Hormone replacement does not alter the positive influence of chronic exercise on blood lipids. *Clin Exerc Physiol* 4(2):91-95, 2002.
IMPACT FACTOR = NA

67. Jaque SV, **Schroeder ET**, Azen SP, Dube MP, Olson C, Afghani A, Wiswell RA, Sattler FR. Magnitude and timing of regional body composition changes during anabolic therapies in HIV positive males. *Clin Exercise Physiol* 4(1):50-9, 2002.
IMPACT FACTOR = NA
68. Hawkins SA, **Schroeder ET**, Wiswell RA. The relationship between bone adaptations to resistance exercise and reproductive hormone levels. *J Phys Activ Aging* 10(1):64-75, 2002.
IMPACT FACTOR = 0.74
69. **Schroeder ET**, Jaque SV, Hawkins SA, Olson C, Wiswell RA, Sattler FR. Regional DXA and MRI in assessment of muscle adaptation to anabolic stimuli. *Clin Exercise Physiol* 3(4):199-206, 2002.
IMPACT FACTOR = NA
70. Wiswell RA, Hawkins SA, Jaque SV, Hyslop D, Constantino N, Tarpenning K, Marcell TJ, **Schroeder ET**. Relationship between physiologic loss, performance decrements, and age in master athletes. *J Gerontology Med Sci* 56A(10):M618-M626, 2001.
IMPACT FACTOR = 1.90
71. Hawkins SA, **Schroeder ET**, Wiswell RA, Jaque SV, Marcell TJ, Costa KE. Eccentric muscle action increases site-specific osteogenic response. *Med Sci Sports Exerc* 31(9):1287-1292, 1999.
IMPACT FACTOR = 2.11
72. Sattler FR, Jaque SV, **Schroeder ET**, Olson C, Dube MP, Martinez C, Briggs W, Horton R, Azen SP. Effects of pharmacologic doses of nandrolone decanoate and progressive resistance training in immunodeficient patients infected with HIV. *J Clin Endocrinol Metab* 84:1268-72, 1999.
IMPACT FACTOR = 5.81
73. Hawkins SA, Wiswell RA, Jaque SV, Marcell TJ, Tarpenning KT, Constantino NL, **Schroeder ET**, Hyslop DM. The inability of hormone replacement therapy or chronic running to maintain bone mass in master athletes. *J Gerontology Med Sci* 54A(9):M451-455, 1999.
IMPACT FACTOR = 1.22

PUBLICATIONS (IN REVIEW or IN PREP)

1. Lavarias I*, Li Z*, Dominguez JF, **Schroeder ET**. A single dose of beta-alanine improves exercise performance. *J Strength Cond Res* (in revision).
2. Anderson LJ*, Gonzalez A, Chao L, **Schroeder ET**. Blunted inflammatory and myogenic response and an improved anti-inflammatory response during the luteal menstrual cycle phase and during OC consumption following NMES. (submitted)
3. Huang C*, Dominguez JF, Vallejo AF, Dexheimer J, Ward J, Gilbert PK, **Schroeder ET**. Anti-gravity treadmill training in acute rehabilitation of patients with total or partial knee replacement. (submitted).

4. Macaulay TR*, Erceg DN, Ramirez J, **Schroeder ET**. Validation of a non-invasive automated blood pressure device. (in review).

RESEARCH PRESENTATIONS AT SCIENTIFIC MEETINGS (ABSTRACTS)

1. Macaulay T*, Ramirez J, Choi J, Jones M*, **Schroeder ET**. Blood flow response and changes in fluid distributions after percussive massage therapy. American College of Sports Medicine Annual Meeting. 2019.
2. Jones M*, Vallejo AF, **Schroeder ET**. Osteogenic responses after 6 months of high-intensity, low-impact exercise. American College of Sports Medicine Annual Meeting. 2019.
3. Magnard J, Macaulay T, **Schroeder ET**, Gordon J, Schweighofer N. Can we unlearn how to ride the bicycle? Society for Neuroscience Annual Meeting Oct. 2019.
4. Macaulay T*, Uhlir C*, **Schroeder ET**. Evaluation of body composition measurements obtained using whole-body plethysmography. American College of Sports Medicine Annual Meeting. 2018.
5. Wu B*, Graff R, Badash I, Skeate J, Lane C, Mansour I, Rao R, Yi A, Merriman J, Hatch GR, Dorr L, Gilbert P, **Schroeder ET**. Effects of tourniquet use during total knee arthroplasty on global changes associated with ischemia reperfusion injury. American College of Sports Medicine Annual Meeting. 2017.
6. Kiwata JL*, Dorff TB, **Schroeder ET**, Dieli-Conwright CM.* Effect of periodized training on sarcopenic obesity and physical function in prostate cancer survivors. American College of Sports Medicine Annual Meeting. 2017.
7. Dorff T, Gross M, Quinn D, Pinski J, **Schroeder ET**, Groshen S, Dieli-Conwright C*, Kiwata J*. Impact of resistance exercise on metabolic syndrome (MetS) parameters in men receiving androgen deprivation therapy (ADT) for prostate cancer. American Society of Clinical Oncology. 2017.
8. Kiwata, JL*, Dieli-Conwright CM*, **Schroeder, ET**. Muscle mass, strength and physical function relationships in prostate cancer survivors on androgen deprivation therapy. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 48(5)S, 2016.
9. Kiwata JL*, Dorff TB, Schroeder ET, Dieli-Conwright CM*. Relationship between energy balance and sarcopenic obesity in prostate cancer survivors on androgen deprivation therapy. American Society for Clinical Oncology, 2016.
10. Kelly LA, **Schroeder ET**, Loza A, Lin X, Moody AE, Hughes A, Kirk A, Knowles AM. Effect of home-based strength training program on IGF-1, IGFBP-1 and IGFBP-3 in obese Latino boys participating in a 16 week randomized controlled trial. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 48(5)S, 2016.

11. Kiwata JL*, Tuzon C, Rice JC, **Schroeder ET**, Dieli-Conwright CM*. Acute expression of PGC-1 α isoforms in skeletal muscle of postmenopausal women following resistance exercise. FASEB Journal Vol. 30(1), 2016.
12. Dexheimer JD*, Orozco SP*, Wu B*, Sum J, Gilbert PK, Vallejo A*, **Schroeder ET**. Anti-gravity treadmill walking in acute rehabilitation of total and partial knee replacement patients. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 46(5)S, 2015.
13. Kiwata JL*, Dieli-Conwright CM*, **Schroeder ET**. Muscle mass, strength and physical function relationships in prostate cancer survivors on androgen deprivation therapy. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 46(5)S, 2015.
14. Anderson LJ*, Baker L, **Schroeder ET**. Pre-menopausal or contraceptive estrogen may reduce exercise-induced skeletal muscle damage in young women. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 46(5)S, 2015.
15. Sorenson SC, Romano R, Scholefield R, **Schroeder ET**, Salem GJ. Top ten health concerns among intercollegiate student-athletes: data from the TLC study. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 45(5)S, 2014.
16. Erceg DN*, Anderson LJ*, **Schroeder ET**. Repeated measures segmental body composition assessed by bioelectrical impedance and DXA in overweight Latino boys. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 45(5)S, 2014.
17. He J, Yarasheski K, Bhasin S, Castaneda-Sceppa C, Binder E, **Schroeder ET**, Azen S, Sattler FR. Effects of acute androgen deprivation on skeletal muscle protein synthesis and breakdown. Endocrine Society Annual Meeting, Chicago, Illinois, June 2014.
18. Avery LM, Garcia A, **Schroeder ET**, Mortimer J, Tripathy D, Bernstein L, Dieli-Conwright CM*. Self-reported upper extremity function and estimated 1-repetition maximum in sedentary breast cancer survivors. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 45(5)S, 2014.
19. Anderson LJ*, Erceg DN*, **Schroeder ET**. Total and segmental lean mass comparison between bioelectrical impedance and DXA in overweight Latino boys. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 45(5)S, 2014.
20. Kiwata JL*, Tuzon C, Rice JC, **Schroeder ET**, Dieli-Conwright CM*. Eccentric exercise induces the acute mRNA expression of PGC-1 α 4 in skeletal muscle of postmenopausal women. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 45(5)S, 2014.
21. Wu B*, Berger M, Sum J, Hatch GR, **Schroeder ET**. Acute vs chronic knee injury in basketball. American College of Sports Medicine Annual Meeting, Med Sci Sports Exerc 45(5)S, 2014.
22. Wu B*, Hocker AD, Gilbert P, Yi A, Rao R, Damodar D, Hatch GR, **Schroeder ET**, Dreyer HC. Effects of tourniquet use on muscle cells during total knee arthroplasty. Experimental Biology Annual Meeting, San Diego, CA, April 2014.

23. Villanueva MG*, He J, **Schroeder ET**. Rest interval length influences acute anabolic hormonal responses and performance during 8 weeks of periodized resistance training in older men. National Strength and Conditioning Association Annual Meeting, Las Vegas, CA, July 2013.
24. Villanueva MG*, He J, **Schroeder ET**. Periodized resistance training and supplementation: effects on body composition and muscular performance in older men. *Med Sci Sports Exerc*, 44(5)S, 2012.
25. Anderson JA*, Villanueva MG*, **Schroeder ET**. Resistance training with or without protein and creatine induces comparable aerobic benefits in older men. *Med Sci Sports Exerc*, 44(5)S, 2012.
26. Gupta TJ*, Vallejo AF, Anderson LJ*, Gurler A*, Dominguez JF, Wu BW*, **Schroeder ET**. Changes in Muscular strength and endurance after 10 weeks of body weight resistance training. *Med Sci Sports Exerc*, 44(5)S, 2012.
27. Wu BW*, Vallejo AF, Anderson LJ*, Gurler A*, Dominguez JF, Gupta TJ*, **Schroeder ET**. Body weight resistance training improves body composition in overweight men and women. *Med Sci Sports Exerc*, 44(5)S, 2012.
28. Sorenson SC*, Romano R, Scholefield R, **Schroeder ET**, Salem GJ. Holistic lifespan health outcomes among intercollegiate student-athletes: data from the Trojan lifetime champions study. *Med Sci Sports Exerc*, 44(5)S, 2012.
29. Erceg, DN*, Anderson LJ*, Nickles CM, Lane CJ, **Schroeder ET**. Metabolic Effects of Whole Body Vibration Training in Latino Boys. *Endocrine Rev*, 2011; 32
30. Erceg, DN*, Anderson LJ*, Nickles CM, Lane CJ, **Schroeder ET**. Body Composition, Leg Strength and Power Changes Following a 10wk Whole Body Vibration Exercise Program. *Med Sci Sports Exerc*, 43(5)S, 2011.
31. Villanueva MG*, Villanueva MG*, **Schroeder ET**. Influence of Rest Interval Manipulation on Acute Testosterone and Cortisol Responses to Two Volume-Load Controlled Resistance Training Protocols in Healthy Men. Endocrine Society Annual Meeting Boston MD, June, 2011.
32. Jiaxiu H, Bhasin S, Binder E, Castaneda-Sceppa C, Yarasheski KE, **Schroeder ET**, Azen SP, Roubenoff R, **Sattler FR**. Effects of Testosterone and rhGH on Metabolic Syndrome Components in Older Men: the HORMA Study. Endocrine Society Annual Meeting Boston MD, June, 2011.
33. Dieli-Conwright CM*, Spektor TM, Rice JR, Sattler FR, **Schroeder ET**. Combined Influence of Hormone Therapy and Eccentric Exercise on Myostatin-Related Gene Expression in Postmenopausal Women. ACSM annual meeting, Denver CO, May, 2011.
34. Anderson LJ*, Erceg DN*, **Schroeder ET**. Utility of Multifrequency Bioelectrical Impedance Compared to DEXA for Assessment of Regional Lean Mass. Southwest ACSM Annual Meeting October, 2010.

35. Anderson LJ*, Erceg DN*, Kawakubo M, He J and **Schroeder ET**. The Change in Hip Bone Mineral Density with Testosterone and Growth Hormone Administration in Older Men. Endocrine Society Annual Meeting San Diego CA June, 2010.
36. Erceg DN*, Anderson LJ*, Kawakubo M, He J and **Schroeder ET**. The Effects of Testosterone and Growth Hormone Administration on Spine Bone Mineral Density in Older Men. Endocrine Society Annual Meeting San Diego CA June, 2010.
37. Erceg DN*, Anderson LJ*, Nickles C, Lane CJ and **Schroeder ET**. Changes in Body Composition, Bone, Leg Strength and Power Following a 10wk Whole Body Vibration Exercise Program in Overweight Latino Boys. ACSM annual meeting May, 2010.
38. **Schroeder ET**, Yarasheski KE, Castaneda-Sceppa C, Binder E, Wang Y, Bhasin S, Kawakubo M, Azen SP, **Sattler FR**. Eight Week Change in Muscle Mass and Strength with Testosterone and Growth Hormone Administration in Older Men: The HORMA Trial. Endocrine Society annual meeting June 10-13, 2009. P1-153.
39. **Sattler FR**, Bhasin S, Jiaxiu H, **Schroeder ET**, Castaneda-Sceppa C, Binder E, Kawakubo M, Yarasheski KE, Roubenoff R, Azen SP. Improvements in Body Composition are Related to Changes in Serum Hormones During Therapy with Topical Testosterone and rhGH in Older Men: The HORMA Trial. Endocrine Society annual meeting June 10-13, 2009. P2-189.
40. Sun S*, Reynolds J*, Erceg DN*, Dieli-Conwright CM*, Ho Song H, Chakravarthy V, **Schroeder ET**. Validation of the ReeVue and CardioCoachCO2 Metabolic Systems for Measuring Resting Energy Expenditure. ACSM annual meeting May, 2009.
41. Dieli-Conwright CM*, Spektor TM, Rice JC, **Schroeder ET**. Influence of Hormone Replacement Therapy with Maximal Eccentric Exercise on Estrogen Receptor Coregulators and Skeletal Muscle Damage in Postmenopausal Women. ACSM annual meeting May, 2009.
42. Erceg DN*, Jensky NE*, Sims JK, Hitchler MJ, Rice JR, **Schroeder ET**. Gene Expression in Human Skeletal Muscle Following an Acute Bout of Concentric or Eccentric Exercise in Young Women. ACSM annual meeting May, 2009.
43. Sorenson SC*, Vallejo AF, Sattler FR, **Schroeder ET**. Effects of Oxandrolone on Metabolic Syndrome Risk Factors. ACSM annual meeting May, 2009.
44. Yip JO, **Schroeder ET**, Gordon JE, Wilkerson B*, and Fisher BE. The Metabolic Cost of Body Weight-Supported Treadmill Training, CPTA annual conference, 2008.
45. Rossuello AE*, Hawkins SA, LeBlanc M, **Schroeder ET**, and **Wiswell RA**. A Longitudinal Analysis of Age-Related VO₂max in Master Athletes, 2008.
46. McCauley SA*, Rowe T*, Resnik C, and **Schroeder ET**. Metabolic Cost Differences Between Various Prosthetics: A Case Study. APTA Meeting, 2008.
47. Jensky-Squires NE*, Sims JK, Dieli-Conwright CM*, Sattler FR, Rice JR, and **Schroeder ET**. The Influence of Eccentric and Concentric Exercise on mRNA Expression of Skeletal Muscle Regulators in Young Women. Med Sci Sport Exerc, 2008.

48. Dieli-Conwright CM*, **Schroeder ET**, Wang Y, Castaneda-Sceppa C, Binder E, Yarasheski KE, Bhasin S, Azen SP, and Sattler FR. Muscle Quality Following Testosterone and/or Growth Hormone Administration in Older Men. *Med Sci Sport Exerc*, 2008.
49. Erceg DN*, **Schroeder ET**, Kawakubo M, Castaneda-Sceppa C, Binder E, Yarasheski KE, Bhasin S, Sattler FR, and Azen SP. The Effects of IGF-1 on Aerobic Muscle Endurance in Older Hyposomatotropic Men, *Med Sci Sport Exerc*, 2008.
50. **Schroeder ET**, Castaneda-Sceppa C, Binder E, Wang Y, Kawakubo M, Yarasheski KE, Bhasin S, Azen SP, and Sattler FR. Hormonal Regulators of Muscle and Metabolism in Aging (HORMA) Study: Body Composition and Muscle Performance Outcomes, *Exper. Biology*, 2008.
51. Erceg DN*, Rossi A*, Dieli-Conwright CM*, Jensky NE*, McCauley S*, **Schroeder ET**. Validation of the Futrex 6100 and Stayhealthy BC3 for Estimating Body Composition, *Med Sci Sport Exerc*, 2007.
52. Rossi A*, Erceg DN*, Dieli-Conwright CM*, Jensky NE*, McCauley S*, **Schroeder ET**. Validation of the Biospace InBody 320 and Omron Bodylogic Body Fat Analyzers, *Med Sci Sport Exerc*, 2007.
53. Hwang K*, Vallejo AF, Sullivan K, **Schroeder ET**. Use of Integrative Resistance Training to Teach Exercise Testing and Prescription to Students of Physical Therapy. APTA Combined Sections Meeting, 2007.
54. Jensky NE*, Sims JK, Rice JC, Dreyer HC, **Schroeder ET**. The Influence of Eccentric Exercise on mRNA Gene Expression of Skeletal Muscle Regulators. *Med Sci Sport Exerc*, 2007.
55. Dieli-Conwright CM*, Hawkins SA, Wiswell RA, **Schroeder ET**. Comparison of Calculated Estimates and Muscle Biopsy of Fiber Type Distribution in Master Athletes. *Med Sci Sport Exerc*, 2007.
56. Yip JO, **Schroeder ET**, Wilkinson BE*, Fisher BE. Metabolic Cost of Body-weight Supported Treadmill Exercise: A Preliminary Report. *J Neur Phys Ther*, 30(4), 197-198, 2006.
57. Dieli-Conwright CM*, Habring DM, **Schroeder ET**, Underwood SJ, Vallejo AF, Wiswell RA, Jaque SV. Participation in Physical Activity prior to Menarche Enhances Bone Mineral Density in College-aged Women. *Med Sci Sport Exerc*, 38(5)S, #2757, 2006.
58. Erceg DN*, Vallejo AF, Hwang K*, Sattler FR, **Schroeder ET**. The Efficacy of Graded Exercise Stress Testing to Age Predicted Maximum Heart Rate in Men 65 Years and Older. *Med Sci Sport Exerc*, 38(5)S, #2537, 2006.
59. Jensky NE*, Vallejo AF, Wang Y, Sattler FR, **Schroeder ET**. Repeatability of Measuring Maximal Strength in Older Men. *Med Sci Sport Exerc*, 38(5)S, #1958, 2006.
60. Ong MD*, Vallejo AF, Jensky NE*, **Schroeder ET**. Validation of the Pre-Vent Mask for Maximal Metabolic Exercise Testing. *Med Sci Sport Exerc*, 2005.

61. Jensky NE*, Vallejo AF, Ong MD*, **Schroeder ET**. Validation of the CardioCoach for Sub-maximal and Maximal Metabolic Exercise Testing. Med Sci Sport Exerc, 2005.
62. Vallejo AF*, Jensky NE*, Hawkins SA, Sattler FR, **Schroeder ET**. Cardiopulmonary Responses to Submaximal Eccentric Resistance Training in Older Adults. Med Sci Sport Exerc, 2005.
63. **Schroeder ET**, Vallejo AF*, Ong M*, Sattler FR. Validation of the PreVent Mask for Sub-maximal Metabolic Exercise Testing. Med Sci Sports Exerc 36(5):S115, #0796, 2004.
64. Vallejo AF*, **Schroeder ET**, Hawkins SA, Sattler FR. Cardiopulmonary Requirements are Less During Eccentric than Concentric Resistance Training when Performed at the Same Intensity. Med Sci Sports Exerc 36(5):S127, #0856, 2004.
65. Woodhouse LJ, Storer T, Sattler FR, **Schroeder ET**, Singh AB, Padero C, Dzekov J, Dzekov C, Bhasin S. Effects of Nandrolone Decanoate on Lean Body Mass in HIV+ Men with Mild to Moderate HIV Wasting: An Open Comparison with Growth Hormone. Journal of Investigative Medicine: 52(1) January, #283, 2004.
66. **Schroeder ET**, Terk M, Sattler FR. Pharmacological Doses of Androgen do not Improve Muscle Quality in Young or Older Men: Results from Two Studies. Endocrine Society's 85th Annual Meeting, Baltimore, June, P3-212, 2003.
67. Dreyer, HC*, Martinez C, **Schroeder ET**, Flores C, Stewart Y, Wiswell RA, Sattler FR. Diet Restriction but not Exercise Decreases Total and Central Fat Mass in HIV+ Individuals. Med Sci Sports Exerc 35(5):S106, 2003.
68. **Schroeder ET**, Qian D, Stewart Y, Flores C, Martinez C, Terk M, Sattler FR. Alterations in blood lipid profiles and body fat with 12 weeks of oral androgen therapy in older adult men. Endocrine Society's 84th Annual Meeting, San Francisco, June, P3-323, 2002.
69. **Schroeder ET**, Qian D, Stewart Y, Flores C, Martinez C, Terk M, Sattler FR. Muscle Strength and power changes with 12 weeks of oral androgen therapy in older adult men. Endocrine Society's 84th Annual Meeting, San Francisco, June, OR 59-2, 2002.
70. **Schroeder ET**, Qian D, Flores C, Stewart Y, Martinez C, Terk M, Sattler FR. Body composition changes with 12 weeks of oral androgen therapy in older adult men. Endocrine Society's 84th Annual Meeting, San Francisco, CA, June, P3-324, 2002.
71. Sattler FR, **Schroeder ET**, Jaque SV. Anabolic effects on upper versus lower extremity body lean mass and strength. Med Sci Sports Exerc 34(5): S287, 2002.
72. **Schroeder ET**, Dreyer HC, Jaque SV, Sattler FR. Changes in muscle quality following anabolic treatment strategies. Med Sci Sports Exerc 34(5): S287, 2002.
73. Dreyer HC, **Schroeder ET**, Hawkins SA, Wiswell RA. Muscle quality in master athletes drops significantly after age 65. Med Sci Sports Exerc 34(5): S98, 2002.
74. Jaque SV, Mckean-Cowdin R, Underwood SJ, Pike MC, **Schroeder ET**, Wiswell RA, Marcus R, Shames LS. Influence of polymorphisms in the 17b-HSD1 gene on BMD and serum estradiol in young women. Med Sci Sports Exerc 34(5): S213, 2002.

75. Vallejo AF, Jaque SV, Feigelson HS, Underwood SJ, Pike MC, **Schroeder ET**, Wiswell RA, Shames LS. Influence of polymorphisms of the *CYP17* gene on BMD and serum estradiol in young women. *Med Sci Sports Exerc* 34(5): S213, 2002.
76. Underwood SJ, Jaque SV, Feigelson HS, McKean-Cowdin R, Pike MC, **Schroeder ET**, Wiswell RA, Marcus R, Shames LS. Influence of a multigenic model on BMD and serum estradiol in young women. *Med Sci Sports Exerc* 34(5): S213, 2002.
77. **Schroeder ET**, Qian D, Stewart Y, Flores C, Martinez C, Sattler FR. Body composition and strength changes following 12 weeks of androgen therapy in elderly men. *Clinical Research 2002 2nd Annual Meeting*, Baltimore, MD, April 11, 2002.
78. Dreyer HC, Hawkins SA, **Schroeder ET**, Hyslop DM, Wiswell RA. Hormone replacement therapy does not significantly influence blood lipids in postmenopausal female master athletes. *Med Sci Sports Exerc* 33(5): S286, 2002.
79. Jaque SV, **Schroeder ET**, Underwood SJ, Afghani A, Constantino NL, Wiswell RA, Shames LS. Influence of physical activity on proximal femur BMD and ovarian hormones in young women. *Med Sci Sports Exerc* 32(5): S357, 2002.
80. Ganley KJ, **Schroeder ET**, Powers CM. The use of dual-energy x-ray absorptiometry in determining subject-specific anthropometric measures for kinetic analyses. *Gait and Posture*. 2002.
81. **Schroeder ET**, Jaque SV, Hawkins SA, Wiswell RA. Proximal femoral geometry does not predict femoral neck BMD in young women. *Med Sci Sports Exerc* 32(5): S224, 2002.
82. Jaque SV, **Schroeder ET**, Wiswell RA, Constantino NL, Shames LS. Physical activity is associated with higher proximal femoral BMD, osteocalcin and IGF-I in young women. *Med Sci Sports Exerc* 32(5): S224, 2002.
83. Sattler FR, Jaque SV, **Schroeder ET**, Dube M, Olson C, Martinez C, Briggs W, Horton R, Azen S. Effects of pharmacologic doses of nandrolone decanoate and progressive resistance training during HIV immunodeficiency. In: *Program and Abstracts of the 6th Conference on Retroviruses and Opportunistic Infection*. Abstract No. 703, Chicago, IL, January 31-February 4, 1999.
84. **Schroeder ET**, Jaque SV, Afghani A, Hawkins SA, Olson C, Wiswell RA, Sattler FR. Comparison of regional DEXA and MRI assessment of mass and strength gains. *Med Sci Exercise* 31(5), S252, 1999.
85. Afghani A, Jaque SV, **Schroeder ET**, Olson C, Dube M, Sattler FR. Resistance training alters kinetics of body composition adaptations to anabolic agents in HIV positive men. . In *Proceedings of Southwest American College of Sports Medicine Conference*, Abstract No. 4, Las Vegas, Nevada, November 13-14, 1998.
86. **Schroeder ET**, Jaque SV, Olson C, Afghani A, Sattler FR: Resistance training enhances muscle strength per unit of cross-sectional area in HIV infected males receiving anabolic therapy. In *Proceedings of: Southwest American College of Sports Medicine Conference*, Abstract No. 3, Las Vegas, Nevada, November 13-14, 1998.

87. Constantino NL, Jaque SV, Underwood SJ, Wiswell RA, **Schroeder ET**, and Shames LS. Influences of physical activity and ovarian hormones on whole body bone mineral density. Med Sci Sports Exerc 29(5): S196, 1997.
88. Jaque SV, Constantino NL, Underwood SJ, Wiswell RA, **Schroeder ET**, and Shames LS. Influence of physical activity and ovarian hormones on spine bone mineral density and content. Med Sci Sports Exerc 29(5): S197, 1997.

GRANTS AND CONTRACTS

Principal Investigator:

- 2019-2020 **SC CTSI Translational Research Award (\$39,343)**
 E. Todd Schroeder (PI)
 Cerebrovascular Mechanisms of Cognitive Enhancement after Periodized Resistance Training in Older Adults.
 Goal: Determine the effects of resistance training on cognitive function cerebrovascular blood flow in 60-80 yr old men and women.
- 2019-2020 **Keck School of Medicine Dean's Pilot Funding Program (\$40,00)**
 E. Todd Schroeder (Co-I)
 Ability of oral steroid (oxandrolone) to improve rotator cuff healing: a double-blind, randomized pilot study.
 Goal: Determine the efficacy and effectiveness to reduce fat infiltration in rotator cuff muscle for 12 weeks following surgery.
- 2019-2020 **higi Health Corporation (\$6,500)**
 E. Todd Schroeder, (PI)
 Validation of iOS and Android calorie trackers in phones.
 Goal: Validate calorie numbers reported by phones comparing them to the truth measurements of indirect calorimetry.

Co-Investigator:

- 2019-2020 R01 NIH/NICHD (PI Finley \$238,259)
 E. Todd Schroeder (Co-I)
 Toward a Mechanistic Understanding of Optimization Principles Underlying Hemiparetic Gait
 Goal: The knowledge derived from this work will provide a mechanistic understanding of how the brain optimizes movement, both when healthy and when injured, and may inform the development of personalized gait rehabilitation objectives for stroke survivors.

INVITED PRESENTATIONS:

- 2016 Speaker at Carnosyn Inc Annual Meeting. Topic: Beta-Alanine and Performance. San Diego, CA June.
- 2013 Speaker at Azusa Pacific University for Biomedical Sciences Meeting. Topic: Skeletal Muscle and Adaptations with Exercise.

- 2009 Symposium Chair and speaker at the Southwest American College of Sports Medicine's annual meeting in San Diego, CA. Oct. Topic: Skeletal Muscle Plasticity: Adaptation to Anabolic Stimuli.
- 2009 Division of Biokinesiology & PT Continuing Education Course May, 2009. Topic: Skeletal Muscle Plasticity and Exercise Prescription—Why it is not always 3 sets of 10?
- 2006 Symposium speaker at the Southwest American College of Sports Medicine's annual meeting in San Diego, CA. Topic: Health in Chronic Older Exercisers.
- 2004 California Physical Therapy Association Annual Meeting, Anaheim, California. Five hour presentation titled: Skeletal Muscle Plasticity.
- 2002 Department of Endocrinology and Metabolism of the Keck School of Medicine, University of Southern California. Topic: Short-term effects of androgen therapy in community dwelling older men.
- 2002 Endocrine Society's 84th Annual Meeting Press Conference, San Francisco, CA, 2002. Presented study findings and served as an expert on aging panelist.
- 2000 Professional speaker at the forum for the "Adjunctive care of the cancer patient" Philadelphia, Pennsylvania. Topic: Anabolic therapy in wasting patients.

TEACHING ACTIVITIES:

Courses directed and taught in the Division of Biokinesiology and Physical Therapy

- 2003-pres. Director BKN 552 Physiological Basis of Voluntary Movement (4 units)
 2003-pres. Director Residential PT 549 Clinical Exercise Physiology (4 units)
 2018-pres. Director Hybrid PT 549 Clinical Exercise Physiology (4 units)
 2017-pres. Co-Director Residential PT 530B Therapeutic Exercise (3 units)

Advisor for Ph.D. Students

- 2018-pres. Malcolm Jones, MS
 USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
- 2018-pres. Kaylie Zapanta, MS
 Co-Mentor with Beth Fisher
 USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
- 2015-pres. Tim Macaulay
 USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
- 2012-2017 Jackie Kiwata, MS
 USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
 Current Position: Assistant Professor Cal State Long Beach.
- 2011-2015 Brian Wu

MD/PhD student in the Keck School of Medicine at USC completing his MD in the Keck School of Medicine

- 2010-2015 Lindsey Anderson, MS
USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
Current Position: Postdoctoral fellow at the University of Washington.
- 2008-2013 Matt Villanueva, MS
USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
- 2005-2011 David Erceg, PhD
Current Position: Director of Research for high Inc., Monrovia, CA
- 2005-2009 Christina Dieli-Conwright, PhD
Completed a 2 year postdoctoral fellowship at City of Hope Hospital, Los Angeles
Current Position: Assistant Professor of Research, USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
- 2003-2007 Nicole Jensky, PhD
Completed a 5 year postdoctoral fellowship at UCSD School of Medicine
Current Position: Pharmaceutical Research Liaison, Los Angeles

Dissertation Committee Member for Ph.D. Students

- 2017-2018. Joshua Dexheimer, MS
Concordia University Chicago, IL
- 2015-2019. Andrea Dubois, MS
USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
- 2011-2015 Sachi Samarawickrame, MS
USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
- 2009-2014 Ryan Walker
USC Keck School of Medicine, Systems Biology and Disease, Los Angeles, CA
- 2007-2012 Shawn Sorenson, MS
USC Division of Biokinesiology and Physical Therapy, Los Angeles, CA
- 2003-2008 Loren Chiu, PhD
Current Position: Assistant Professor, tenure track, University of Alberta, Canada
- 2000-2005 Hans Dreyer, PhD, PT
Current Position: Associate Professor, University of Oregon
- 2000-2005 Alberto Vallejo, PhD
Current Position: Assistant Professor, USC Physician Assistant Program, Los Angeles, CA

Advisor for Masters Students

2019-pres. Co-Advisor to all Sports Science MS students
2017-2019. Malcolm Jones
2017-2019 Bryan Reed
2016-2018 Alexander Reeser
2015-2017 Zinong Lee
2015-2017 Emmanuel "Indi" Lavarias
2014-2016 Chun-Hao (Philip) Huang
2013-2015 Joshua Dexheimer
2012-2014 Simon Orozco
2010-2012 Alan Gurler
2008-2010 Lindsey Anderson, MS
2006-2008 Gina Battaglia, MS

Lectures taught in other USC courses

2007-pres. USC School of Gerontology
2004-pres. Keck School of Medicine, medical student year I musculoskeletal curriculum
2004-pres. INTD 572 Interdepartmental Systems Biology and Disease