



Curriculum Vitae

Jon K. Linderman, Ph.D., FACSM, EPC

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CURRICULUM VITAE

February 21st, 2020

Jon Karl Linderman

Born: April 22, 1962

Birthplace: San Diego, CA

Work Address: Department of Health & Sport Science
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Present Position: Associate Professor

Education: B.A., California State University, Chico (1984)
M.A., California State University, Chico (1987)
Certificate in Exercise Science, California State University, Chico (1987)
Ph.D., University of California, Berkeley (1991)

Dissertation: Glucoregulation and work performance in gluconeogenesis-inhibited iron deficient rats.

Dissertation Advisor: Professor George A. Brooks, Ph.D.
Exercise Physiology Laboratory
5101 Valley Life Sciences Building
University of California
Berkeley, CA 94720-3140

Post Doctoral Research: The effects of centrifugation and growth hormone on myofibrillar protein synthesis during simulated microgravity

Post Doctoral Advisor: Dr. Richard E. Grindeland, Ph.D.

Honors: Tenured Faculty Scholarship Award, School of Education & Health Science, University of Dayton (2018), Faculty Research Award, School of Physical Activity & Educational Services, The Ohio State University (2000), Fellow, The American College of Sports Medicine (1995), Post Doctoral Research Associateship, National Research Council (1992-1994)

Fields of Interest: Human performance, evaluation of elite/extreme human performance, physiological and biochemical effects of increased and decreased muscular activity, molecular mechanisms of acute and chronic exercise adaptation, the aging of skeletal muscle (sarcopenia), role of neuroendocrine function in exercise adaptation,

Teaching and Related Professional Experience:

- Associate Professor: Department of Health and Sport Sciences, University of Dayton (2006-present)
- Associate Professor & Basic Science Coordinator
 Doctoral of Physical Therapy Program, University of Dayton (2006-2011)
- Assistant Professor: Department of Health and Sport Sciences, University of Dayton (2000-2006)
 School of Physical Activity and Educational Services, The Ohio State University, Columbus, OH (1995-2000)
 Department of Physical Medicine and Rehabilitation (Adjunct), College of Medicine, The Ohio State University (1998-2001)
- Visiting Assistant Professor: Department of Physical Education, California State University, Chico, CA (1994-1995)
- Research Associate: Life Science Division, NASA/Ames Research Center, Moffett Field, CA (1992-1994)
- Lecturer: School of Physical Therapy, Samuel Merritt College, Oakland, CA (1991)
- Instructor: Department of Physical Education, California State University, Chico, CA (1977)
- Certifications:** Board Certified Exercise Physiologist, American Society of Exercise Physiologists (2006)
- Editor in Chief:*** Journal of Exercise Physiology *on-line* (2006-2010)

Referee Service for the Following Journals:

American Journal of Physiology
 American Association of Equine Exercise Physiology
 Journal of Applied Physiology
 Journal of Exercise Physiology
 Medicine and Science in Sports and Exercise
 Mechanisms of Ageing and Development
 International Journal of Sports Medicine
 International Journal of Sports Nutrition and Exercise Metabolism

Intramural Research Grant Support:

SEHS Summer Research Fellowship (2017) *The Effect of Oral Rehydration Solutions (Sports Drinks) on Strength, Speed, and Endurance – A Field Study* (\$7,000)

Extramural Research Grant Support:

CERA Products Inc. Commercial Research and Development Agreement (2016) *Comparison of Rice-Based Drink and Carbohydrate/Electrolyte Drink to Determine Glucose and Lactate Responses in Active Duty U.S. Military Personnel* (\$50,000)

CERA Products Inc. (2017) *The Effect of Oral Rehydration Solutions (Sports Drinks) on Strength, Speed, and Endurance – A Field Study* (\$5,000)

Service to Scholarly Societies:

Member: American College of Sports Medicine, 1986-present
 Member: American Society for Exercise Physiologists, 2006-2012
 Editor: Journal of Exercise Physiology 2006-2010
 Editorial Board: American Society for Exercise Physiologists, 2004-2012
 Associate Member: American Physiological Society, 1992-2000

Peer Reviewed and Invited Publications of J.K. Linderman:

1. **Linderman, J.K.**, T.D. Fahey, G. Lauten, A.S. Brooker, D. Bird, B. Dolinar, J. Musselman, S. Lewis, and L. Kirk, *A comparison of blood gases and acid-base measurements in arterial, arterialized venous, and venous blood during short-term maximal exercise*. European Journal of Applied Physiology 61(3): 294-301, 1990.
2. **Linderman, J.K.**, and T.D. Fahey. *Sodium bicarbonate ingestion and exercise performance: an update*. Sports Medicine 11(2): 71-77, 1991.
3. **Linderman, J.K.**, L. Kirk, J. Musselman, B. Dolinar, and T.D. Fahey. *The effects of sodium bicarbonate and pyridoxine-alpha-ketoglutarate (PAK) on short-term maximal exercise capacity*. Journal of Sports Sciences 10(3): 243-253, 1992.
4. Booth, F.W., **J.K. Linderman**, and C.R. Kirby. *Molecular mechanisms of muscle disuse atrophy (and strategies of prevention)*. In: Medicine and Sports Science, Karger Press, Basel, Switzerland, Vol. 37: 142-149, 1992.
5. **Linderman, J.K.**, P.R. Dallman, R.E. Rodriguez, and G.A. Brooks. *Lactate is essential for maintenance of euglycemia in iron deficient rats at rest and during exercise*. American Journal of Physiology 264 (Endocrinology and Metabolism 27): E662-E667, 1993.
6. Woodman, C.R., C.M. Tipton, J. Evans, **J.K. Linderman**, and R.E. Grindeland. *Metabolic and thermoregulatory responses to head down suspension of hypophysectomized rats*. Journal of Applied Physiology 75(6): 2718-2726, 1994.
7. **Linderman, J.K.**, and K.L. Gosselink. *Sodium bicarbonate ingestion and exercise performance: an update*. Sports Medicine 17(2): 75-70, 1994.

8. **Linderman, J.K.**, K.L. Gosselink, F.W. Booth, V.R. Mukku, and R.E. Grindeland. *Resistance exercise and growth hormone as countermeasures for skeletal muscle atrophy in hindlimb suspended rats.* American Journal of Physiology 267 (Regulatory, Integrative, and Comparative Physiology 36): R365-R371, 1994.
9. **Linderman, J.K.**, G.A. Brooks, R.E. Rodriguez, and P.R. Dallman. *Glucoregulation in gluconeogenesis-inhibited iron deficient rats.* Journal of Nutrition 124 (11): 2131-2138, 1994.
10. **Linderman, J.K.**, J.B. Whittall, K.L. Gosselink, T.J. Wang, V.R. Mukku, F.W. Booth, and R.E. Grindeland. *Acute stimulation of myofibrillar protein synthesis in hindlimb suspended rats by resistance exercise and growth hormone.* Life Sciences 57(8): 755-762, 1995.
11. **Linderman, J.K.**, R.J. Talmadge, K.L. Gosselink, P.N. Tri, R.R. Roy, and R.E. Grindeland. *Lack of an interaction of synergistic ablation and non-weight bearing on soleus atrophy and myosin heavy chain expression.* Life Sciences 59(10): 789-795, 1996.
12. Allen, D.L., **J.K. Linderman**, R.R. Roy, R.E. Grindeland, and V. R. Edgerton. Apoptosis: a mechanism contributing to remodeling of skeletal muscle in response to hindlimb unweighting American Journal of Physiology 273 (Cellular Physiology): C579-C587, 1997.
13. Fahey, T.D., S.I. Gates, W. Colvin, G.D. Swanson, and **J.K. Linderman**. *The effects of prolonged intense exercise on estradiol, progesterone, LH, and FSH concentrations during mid-menstrual cycle* Journal of the Biology of Sport. 14: 175-183, 1997.
14. Allen, D.L., **J.K. Linderman**, R.R. Roy, R.E. Grindeland, V.R. Mukku, and V.R. Edgerton. Growth hormone/IGF-I and/or resistive exercise maintain myonuclear number in hindlimb unweighted muscles. Journal of Applied Physiology 83: 1857- 1861, 1997.
15. G. E. McCall, D. L. Allen, **J.K. Linderman**, R. E. Grindeland, V. R. Mukku, R.R. Roy, and V. R. Edgerton. *Maintenance of myonuclear domain size in rat soleus following functional overload and growth hormone/IGF-I treatment.* Journal of Applied Physiology 84(4): 1407-1412, 1998.
16. Azevedo, J.L., **J.K. Linderman**, S.L. Lehman, and G.A. Brooks. *Training decreases muscle glycogen turnover during exercise.* European Journal of Applied Physiology 78(6): 479-486, 1998.
17. Mulroy, S., E.R. Blough, E.K. Mehta, M. Myhal and **J.K. Linderman**. *Effects of gender and functional overload on plantaris muscle morphology in the dwarf (HsdOla:dw-4) lewis rat.* Life Sciences 65(23): 2489-2496, 1999.
18. Blough, E.R. and **J.K. Linderman**. Lack of skeletal muscle hypertrophy in very aged male Fischer 344 x Brown-Norway rats Journal of Applied Physiology 88:1265-1270, 2000.
19. Hutchinson, K.J., **J.K. Linderman**, and D.M. Basso. Skeletal muscle adaptations following spinal cord contusion injury in rat and the relationship to locomotor function: a time course study. Journal of Neurotrauma. 18(10):1075-89, 2001.

20. E. Jose-Cunilleras, K. W. Hinchcliff, R. A. Sams, S. T. Devor, and **J.K. Linderman** Glycemic index of a meal fed before exercise alters substrate use and glucose flux in exercising horses. Journal of Applied Physiology 92: 117-128, 2002.
21. **Linderman, J.K.** and E.R. Blough. Aging does not attenuate plantaris muscle hypertrophy in male Fischer 344 rats. Medicine and Science in Sports and Exercise 34(7): 1115-1119, 2002.
22. **Linderman, J.K.**, T.P. Demchak, J.M. Dallas, & J. Buckworth. Ultra-endurance cycling: a field study of human performance during a 12-hour mountain bike race Journal of Exercise Physiology ONLINE. 6(3):10-19, 2003.
23. **Linderman, J.K.** and L.L. Laubach. Energy Balance During 24 Hours of Treadmill Running Journal of Exercise Physiology ONLINE. 7(2):37-44, 2004.
24. Darling, J.L. **Linderman, J.K.** and L.L. Laubach. Energy expenditure of continuous and intermittent exercise in college-aged males Journal of Exercise Physiology ONLINE. 8(4):1-8, 2005
25. Demchak T.J., **J.K. Linderman**, W.J. Mysiw WJ, R. Jackson R, S.T. Devor ST, and Suun. Functional electric stimulation cycle ergometry training effect on lower limb muscles in acute SCI individuals Journal of Sports Science and Medicine 4: 263-271, 2005.
26. Rice, K. M., **J.K. Linderman**, R.S. Kinnard, and E.R. Blough. The Fischer 344/NNiaHSd X Brown Norway/BiNia is a Better Model of Sarcopenia than the Fischer 344/NNiaHSd: a Comparative Analysis of Muscle Mass and Contractile Properties in Aging Male Rat Models Biogerontology 6 (5): 335-343, 2005.
27. **Linderman, J.K.** and J. Erbacher. The women's' marathon: lessons in history for the sports scientist Professionalization of Exercise Physiology-online 10(11) 2007.
28. Laubach LL, Porter KL, Hovey P, **Linderman J.** A Modest Increase in Weekly Step Counts Improved Cardiovascular Function in Healthy Elderly Women *JEPonline* 2009;12(6): 25-32.
29. Pennington JM, Laubach LL, De Marco GM, **Linderman JK.** Determining the Optimal Load for Maximal Power Output for the Power Clean and Snatch in Collegiate Male Football Players. *JEPonline* 2010;13(2):10-19.
30. Clayton MA, Trudo, CE, Laubach LL, **Linderman JK**, De Marco GM, Barr S. Relationships Between Isokinetic Core Strength and Athletic Performance Tests in Male Collegiate Baseball Players. *JEPonline* 2011;15(5):20-30.
31. Porterfield S, **Linderman JK**, Laubach L, C Daprano. Comparison Of The Effect Of Caffeine Ingestion On Time To Exhaustion Between Endurance Trained And Untrained Men. *JEPonline* 2013;16(5):90-98.
32. O'Hara, R; Vojta, C; Henry, A; Caldwell, L; Wade, M; Swanton, S; **Linderman JK**,; Ordway, J. Effects of a New Cooling Technology on Physical Performance in U.S. Air Force Military Personnel Journal of Special Operations Medicine 16(2):47-51, 2016

33. Travis, S, **Linderman JK**, Titlebaum P. The Organization of Collegiate Women's Basketball Camps Applied Recreational Research and Programming Annual 53-65, 2016.
34. Hamilton, W, **Linderman JK**, Titlebaum P. Developing an Effective Strength and Conditioning Program Applied Recreational Research and Programming Annual 132-154, 2016.
35. S. Swanton , A. C. Choh, M. Lee, L. L. Laubach, **J. K. Linderman**, S. A. Czerwinski³ and M. J. Peterson² "Body Mass Index Associations Between Mother and Offspring from Birth to Age 18: The Fels Longitudinal Study Obesity Science & Practice 3(2) 127-133, 2017.
36. Kuecher, AM, Smaldino, RJ, OHara RB, **Linderman JK**. Glycemic and Lactate Responses of Oral Hydration Solutions in Healthy Adults at Rest and Moderate Exercise. JEPonline 2017;20(3):66-78.
37. Castelao, C., **Linderman, J.**, & Titlebaum, P.(2019) Impact of International Student-Athletes in Elite NCAA Soccer Teams (2012-2017) Applied Research in Coaching and Athletics Annual (34) 124-145.
38. **Linderman JK**, O'Hara, R , Ordway, J, J. Ayala. The Effect of Special Operations Training on Testosterone, Lean Body Mass, and Strength and the Potential for Therapeutic Testosterone Replacement. Journal of Special Operations Medicine 20(1):83-89.
39. **Jon K. Linderman**, Reginald B. O'Hara. Effects of Intermittent Fasting on Performance in U.S. Military Personnel While Operating OCONUS – A Review. JEPonline (submitted March 2020).

Government Publications:

1. Grindeland, R.E. and **J.K. Linderman**. *Growth hormones, exercise, and muscle atrophy*. In: NASA Technical Memorandum #108816: 191-192, 1994.
2. **Jon K. Linderman**, PhD, FACSM, Reginald B. O'Hara, PhD, Jason Ordway, Stacie Swanton The Effect of Special Operations Training on Testosterone, Lean Body Mass, and Strength and the Potential for Therapeutic Testosterone Replacement. Defense Technical Information Center (DTIC) Report 2016: AFRL-SA-WP-SR-2016-0012.

Abstracts and Symposia:

1. Fahey, T.D. and **J.K. Linderman**. *Arterial arterialized venous and venous blood during short-term maximal exercise*. Medicine and Science in Sports and Exercise 20 (Supplement 2): #270, 1977.
2. **Linderman, J.K.**, T.D. Fahey, and S. Henderson. *The effects of sodium bicarbonate and pyridoxine-alpha-ketoglutarate (PAK) on short-term maximal exercise capacity*. International Journal of Sports Medicine 10: 376, 1979.

3. **Linderman, J.K.**, P.R. Dallman, and G.A. Brooks. *Lactate is essential for maintenance of euglycemia in iron deficient rats at rest and during exercise.* Medicine and Science in Sports and Exercise 24 (Supplement 5): #670, 1992.
4. Azevedo, J.L., S.L. Lehman, **J.K. Linderman**, and G.A. Brooks. *Glycogen turnover during exercise.* Medicine and Science in Sports and Exercise 24 (Supplement 5): #553, 1992.
5. **Linderman, J.K.**, G.A. Brooks, and P.R. Dallman. *Glucoregulation in gluconeogenesis-inhibited iron deficient rats* Sports Medicine Training and Rehabilitation 3: 217, 1992.
6. Woodman, C.R., C.M. Tipton, J. Evans, **J.K. Linderman**, and R.E. Grindeland. *Metabolic and thermoregulatory responses to head down suspension of hypophysectomized rats.* ASGSB Bulletin 6(1): #13, 1992.
7. **Linderman, J.K.**, K.L. Gosselink, R.E. Grindeland, F.W. Booth, and V.R. Mukku. *The synergistic effect of exercise and growth hormone on skeletal muscle atrophy during hindlimb suspension.* FASEB Journal 7(4): #3767, 1993.
8. **Linderman, J.K.** *Countermeasures to microgravity-induced muscle atrophy.* Symposium presented to the Southwest Chapter Meeting of the American College of Sports Medicine, 1993.
9. Azevedo, J.L., S.L. Lehman, **J.K. Linderman**, and G.A. Brooks. *Training affects glycogen kinetics during exercise* Medicine and Science in Sports and Exercise 26 (Supplement 5): #500, 1994.
10. **Linderman, J.K.**, J.B. Whittall, K.L. Gosselink, F.W. Booth, R.E. Grindeland. *Acute stimulation of muscle protein synthesis by high-intensity exercise and growth hormone in hindlimb suspended rats.* Medicine and Science in Sports and Exercise 26 (Supplement 5): #650, 1994.
11. Gosselink, K.L., R.E. Grindeland, R.R. Roy, V.R. Mukku, R.J. Talmadge, V.R. Edgerton, and **J.K. Linderman**. *Effects of growth hormone and insulin-like growth factor-I with or without exercise on hypophysectomized hindlimb suspended rats.* FASEB Journal 7(5): #55, 1994.
12. **Linderman, J.K.**, K.L. Gosselink, T.J. Wang, V.R. Mukku, and R.E. Grindeland. *Interaction of mechanical load with growth hormone (GH) and insulin-like growth factor I (IGF-I) on slow-twitch skeletal muscle and bone.* ASGSB Bulletin 7(1): #117, 1994.
13. Adams, G.A., K.L. Gosselink, R.E. Grindeland, **J.K. Linderman**, and K.M. Baldwin. *Effects of IGF-I and growth hormone on myosin heavy chain plasticity during tail suspension.* ASGSB Bulletin 7(1): #155, 1994.
14. **Linderman, J.K.**, T.J. Wang, A.J. Bigbee, K.L. Gosselink, and R.E. Grindeland. *Time course of changes in plantarflexor muscles, tibial plate thickness, and growth hormone during 27 days of hindlimb suspension.* Medicine and Science in Sports and Exercise 27 (Supplement 5): #1403, 1995.
15. Allen, D.L. **J.K. Linderman**, R.E. Grindeland, V.R. Mikku, and V.R. Edgerton. *Growth hormone/IGF-I prevent loss of myonuclear number and fiber size during hindlimb suspension* Medicine and Science in Sports and Exercise 27 (Supplement 5): #994, 1996.

16. Jacobs, K.A., R.E. Grindeland, A.J. Bigbee, M.A. Lauderdale, B.C. Finch, J.A. Azevedo, and **J.K. Linderman**. *The effects of growth hormone (GH) and functional overload on soleus mass and oxidative capacity in hypophysectomized rats* Medicine and Science in Sports and Exercise 27 (Supplement 5): #367, 1996.
17. **Linderman, J.K.**, R.J. Talmadge, K.L. Gosselink, P.N. Tri, R.R. Roy, and R.E. Grindeland. *Lack of an interaction of functional overload and non-weight bearing on soleus atrophy and myosin heavy chain expression* Medicine and Science in Sports and Exercise 27 (Supplement 5): #774, 1996.
18. McCall, G.E., D.L. Allen, **J.K. Linderman**, R.E. Grindeland, V.R. Mikku, and V.R. Edgerton. *Maintenance of myonuclear domain size in rat soleus following functional overload and growth hormone/IGF-I treatment* Medicine and Science in Sports and Exercise 27 (Supplement 5): #331, 1996.
19. Mehta, E.K., Myhal M., Blough E.R., and **J.K. Linderman**. *The effects of mechanical load and endocrine function on skeletal muscle*. The Ohio State University Undergraduate Student Research Forum (1996).
20. Blough, E.R., Mehta, E.K., and **J.K. Linderman**. *Attenuation of fast muscle hypertrophy in aged Fisher 344 and F1 hybrid rats* The Physiologist 39(5): #37.3, 1996.
21. Hutchinson, K, **J.K. Linderman**, and D.M. Basso. *A comparison of Fisher 344 and F1 hybrid rats for appropriate animal models for neuromotor control and aging* Neurology Report: 20(4): 15-16, 1996.
22. Basso, D.M., K.J. Hutchinson, and **J.K. Linderman**. *Neuromotor consequences of aging in two rat models and their similarities to human aging* Medicine and Science in Sports and Exercise 29 (Supplement 5): #127, 1997.
23. Blough, E.R., E.K. Mehta, M. Myhal, and **J.K. Linderman**. *Aged mammalian skeletal muscle is capable of muscle hypertrophy* Medicine and Science in Sports and Exercise 29 (Supplement 5): 1652, 1997.
24. **Linderman, J.K.** and E.R. Blough. *Comparative effects of aging on skeletal muscle in male fischer 344 and F1 rats* Medicine and Science in Sports and Exercise 29 (Supplement 5): #1647, 1997.
25. Mehta, E.K., M. Myhal, and **J.K. Linderman**. *Interactive effects of pituitary function, gender, and mechanical load on skeletal muscle mass* Medicine and Science in Sports and Exercise 29 (Supplement 5): #533, 1997.
26. Myhal M, E.R. Blough, E.K. Mehta, and **J.K. Linderman**. *Differential effects of age on testosterone, GH, and IGF-I in male Fischer 344 and F1 rats* Medicine and Science in Sports and Exercise 29 (Supplement 5): #1143, 1997.
27. **Linderman, J.K.** *Conditioning & training: the aging athlete*. Presentation to the Council of Ohio Colleges of Pharmacy Sports Medicine Conference, 1997.
28. Blough, E.R., and **J.K. Linderman**. *Increased physical activity in aging mammalian skeletal muscle does not improve muscle function*. The Ohio State University Council of Graduate Student Research Competition (1997).

29. Mehta, E.K., M. Myhal, E.R. Blough, and **J.K. Linderman**. *Interactions between sex hormones, pituitary function, and mechanical load on hypertrophy of fast-twitch skeletal muscle*. The Ohio State University Undergraduate Student Research Forum (1997).
30. Hutchinson, K, **J.K. Linderman**, and D.M. Basso. *Extent and severity of neuromotor deficits in two rat models of aging*. The Ohio State University Council of Graduate Student Research Competition (1997).
31. Kegelmeier, D.A., **J.K. Linderman**, and D.M. Basso *The mechanisms of gait deficits in aged rats and their similarity to aged human gait*. Presented to: The American Gerontological Society Annual Mtg., November 1997, Cincinnati, OH.
32. Hutchinson, K.J., **J.K. Linderman**, and D.M. Basso. *Effects of experimental spinal cord injury on hindlimb skeletal muscle in rat..* Presented to: Society for Neuroscience Annual Mtg, October 1997, New Orleans, LA.
33. Hutchinson, K.J., **J.K. Linderman**, and D.M. Basso. *Effects of experimental spinal cord injury on behavior and hindlimb muscle in rat*. Presented to: National Neurotrauma Society Annual Mtg. October 1997, New Orleans, LA.
34. Bovee, S.E., K. Silliman, D. Liotta, J. Azevedo, and **J. Linderman**. *Effects of high fat, high carbohydrate, and high protein diet on endurance performance in trained cyclists and untrained controls*. Journal of the American Diabetes Association 97(9): A73, 1997.
35. Mulroy, S., M. Yamaguchi, E.K. Mehta, E.R. Blough, and **J.K. Linderman**. *Interactions between sex hormones, pituitary function, and mechanical load on hypertrophy of fast-twitch skeletal muscle*. Presented to: The Midwest American College of Sports Medicine Mtg. October 1997, South Bend, IN.
36. Hutchinson, K.J., **J.K. Linderman**, and D.M. Basso. *Relationship between behavioral recovery, muscle structure and function after spinal cord injury in rats*. Combined Sections Meeting for the American Physical Therapy Association, 1997.
37. Kegelmeier, D.K., Hutchinson, K.J., **J.K. Linderman**, and D.M. Basso. *Mechanisms of change in aged rat gait and their similarity to aged human gait*. Submitted to: Combined Sections Meeting for the American Physical Therapy Association, 1997.
38. Bernas, J., M. Myhal, and **J.K. Linderman**. *Changes in the mass of the rat plantaris muscle mass as a function of age and overload*. The Ohio State University Undergraduate Student Research Forum (1998).
39. Dech, S.J., M. Myhal, and **J.K. Linderman** *Type IIX/B fiber atrophy and attenuated hypertrophy precedes whole muscle atrophy in aged male F1 rats*. Presented to: The Midwest American College of Sports Medicine Mtg. October 1998.
40. **Linderman, J.K.**, M. Myhal, and E.R. Blough. *Onset and severity of age-associated muscle atrophy attenuates hypertrophy and increased function in F6 male rats*. Medicine and Science in Sports and Exercise 30 (Supplement 5), #1182, 1998.
41. Mulroy, S., E.R. Blough, M. Yamaguchi, E.K. Mehta, and **J.K. Linderman**. *Effects of gender and mechanical load on plantaris muscle morphology in dwarf lewis rats*. Medicine and Science in Sports and Exercise 30 (Supplement 5), #1114, 1998.

42. Wang, J., M. Myhal, D. R. Lamb, and **J.K. Linderman**. Effects of overload and oxandrolone on intramuscular myoD and IGF-I in old rats. FASEB Journal 1999.
43. Demchak, T.J. and **J.K. Linderman**. Ultraendurance cycling: a field study of human performance during a 12 hour mountain bike race. Medicine and Science in Sports and Exercise 31 (Supplement 5), #384, 1999.
44. Ditty, H., T. Demchak, J. Dallas, J.E. Buckworth, **J.K. Linderman**, and The OSU Exercise Science Club. *Physiological & psychological responses during a 12-hour mountain bike race*. The Ohio State University Denman Undergraduate Student Research Forum (1999).
45. Myhal, M., J. Wang, J. Butcher, and **J.K. Linderman**. The effects of overload and oxandrolone on protein, DNA, and IGF-I in aged soleus muscle. Medicine and Science in Sports and Exercise 32 (Supplement 5), #371, 2000
46. Kennel, J., **J. Linderman**, and A. Smith. *Fluid & energy intake during a continuous twelve hour cycling race*. The Ohio State University Denman Undergraduate Student Research Forum (2000).
47. Demchak, T. J. Mysiw, R. Jackson, and **J.K. Linderman**. *The effect of functional electrical stimulation cycle ergometry on acute spinal cord injured power*. Presented to the 2000 Edward F. Hayes Graduate Research Forum.
48. Jose-Cunilleras, E, K.W. Hinchcliff, R.A. Sams, J. Kim, **J. Linderman**, and S.T Devor. *Pre-exercise feeding alters substrate utilization and glucose flux in exercising horses*. Presented to American College of Veterinary Internal Medicine 2001.
49. Demchak, T. J. and **J.K. Linderman**. *The effect of functional electrical stimulation cycle ergometry on acute spinal cord injured lower limb muscle*. Medicine and Science in Sports and Exercise 33 (Supplement 5), #743, 2001.
50. Burch, K. A. Zink, and **J.K. Linderman**. *Estimation of Total Energy Expenditure of the Campus Tour Walk*. Presented at the 2002 Brother Joseph Stander Undergraduate Research Forum.
51. Alt, A. and **J.K. Linderman**. *The Effect of High Speed Treadmill Training on 40-Yard Dash and Vertical Leap*. Presented at the 2002 Brother Joseph Stander Undergraduate Research Forum.
52. Hinker, K. and **J.K. Linderman**. *Practical Guidelines for.....": A Service-Learning Project*. Presented at the 2002 Brother Joseph Stander Undergraduate Research Forum.
53. Darling, J., Laubach ,L.L. **Linderman, J.K.** and C. J. Brahler. Energy expenditure of continuous vs. intermittent exercise in college aged males. Medicine and Science in Sports and Exercise 34 (Supplement 5), #XXX, 2002.
54. Bokerman, M. and **J.K. Linderman**. *Physiological Characteristics of Male Collegiate Crew Members*. Presented at the 2003 Brother Joseph Stander Undergraduate Research Forum.
55. Snyder, L. and **J.K. Linderman**. *Is Residual Lung Volume Accurately Predicted Using Anthropometrics?* Presented at the 2003 Brother Joseph Stander Undergraduate Research Forum.

56. **Linderman, J.K.** and L.L. Laubach. *Energy Balance During 24 Hours of Treadmill Running*. Presented to the 2003 National Meeting of the American Society of Exercise Physiologists (www.css.edu/ASEP/ASEP5thNationalMeetingSCHEDULEfinal.doc)
57. **Linderman, J.K.** *The Ultraendurance Athlete: Challenges and Rewards from Studies in the Field*. Symposium presented to the 2003 National Meeting of the American Society of Exercise Physiologists.
58. Bokerman, M. and **J.K. Linderman**. *Physiological Characteristics of Male Collegiate Crew Members*. Presented at the 2004 Brother Joseph Stander Undergraduate Research Forum.
59. Armentrout, B. and **J.K. Linderman**. *Physiological Characteristics of Young Female Smokers*. Presented at the 2004 Brother Joseph Stander Undergraduate Research Forum.
60. Almendinger, B. A. Brennan, and **J.K. Linderman**. "Comparison of predicted and measured VO₂max in college aged males" Presentation to the 2005 Brother Joseph Stander Symposium.
61. **Linderman, J.K.** and J. Erbacher. *The womens' marthon: lessons in history for the sports scientist*. Presented to the 2005 Annual Meeting of the Midwest Educational Research Association.
62. Patterson, A.K. and **J.K. Linderman**. *Effect of Incremental Maximal Testing Mode on Female Collegiate Rower's VO₂ max performance*. Presentation to the 2006 Brother Joseph Stander Symposium.
63. **Linderman, J.K.** *To finish is to win: equine ultraendurance*. Symposium presented to the 2007 National Meeting of the American Society of Exercise Physiologists
64. **Linderman, J.K.** and J. Erbacher. *The womens' marthon: lessons in history for the sports scientist*. Presented to the 2007 National Meeting of the American Society of Exercise Physiologists.
65. Jackson K, Anloague P, Merriman H, Cropper J, **Linderman J**. Health fitness and activity levels of doctor of physical therapy students. *Phys Ther.* 2008;88. Abstract [online] <http://www.ptjournal.org/misc/annualcon.dtl>.
66. Jackson K, Anloague P, Merriman H, Cropper **J, Linderman J** Health, Fitness and Activity Levels in Doctor of Physical Therapy Students. Poster Presentation: OPTA State Meeting, Mason, OH. October, 2008.
67. Jackson, K.J., P. Anloague, H.L. Merriman, J. Cropper, & **J.K. Linderman**. (2009). Health, fitness and activity levels of doctor of physical therapy students. *Healthy People 2009: Lifestyle Strategies for the Prevention and Intervention of Obesity and Type-2 Diabetes*. Annual Meeting of the Loma Linda University School of Public Health, Loma Linda, CA, March 10-11, 2009.

68. Effects of a New Cooling Technology on Physical Performance in U.S. Air Force Military Personnel Reginald O'Hara, PhD; Christopher Vojta, MD; Amy Henry, BS; Lydia Caldwell, MS; Molly Wade, MS; Stacie Swanton, BS; **Jon K. Linderman**, PhD; Jason Ordway, MS 2016 Aerospace Medicine Association Meeting
69. Swanton, S. Body Mass Index Associations Between Mother and Offspring from Birth to Age 18: The Fels Longitudinal Study; Stander 2016
70. Ordway J, O'Hara R, **Linderman J.** The effect of special operations training on testosterone, lean body mass, and strength and the potential for therapeutic testosterone replacement: a review of the literature. Aerospace Medical Association's (AsMA) Aerospace Medicine and Human Performance Conference (2017) Aerospace Medicine and Human Performance. 2017;88(3):343.

Editor Reviewed Publications/Presentations/Magazine:

1. **Linderman, Jon K.** *The BMX Body Shop* (monthly serial column). In: Bicycles Today, A publication of the National Bicycle League (1994-1996).
2. **Linderman, Jon K.** Where are they now? Erika Mehta. In: The National Show Horse Magazine, pages 8-9, January/February, 2002.
3. **Linderman, Jon K.** NSH Sport Horses ~ Why not ride in style? In: The National Show Horse Magazine, pages 24-25 March/April, 2002.
4. **Linderman, Jon K.** Over Fences - with Style. In: The National Show Horse Magazine, pages 10-11, May/June, 2002.
5. **Linderman, Jon K.** The Art of Classical Riding. In: The National Show Horse Magazine, pages 4-5, July/August, 2002.
6. **Linderman, Jon K.** Tevis Cup. In: The National Show Horse Magazine, pages 4-5, Nov/December, 2002.
7. **Linderman, Jon K.** The Family Race Horse: A First Year Chronicle Hoofbeats, pages 51-53, July 2005.
8. **Linderman, J.K.** and W.R. Stephens. How to pack on extra pounds to improve your fitness. Endurance News, pages 31-33, February 2006.
9. **Linderman, J.K.** Thermoregulation for the endurance rider Endurance News, pages 33-35, May 2006.
10. **Linderman, J.K.** and P. Anloague. I've got muscles, and they hurt. Endurance News. Pages 43-44, June 2006.
11. **Linderman J.** 2009 Year in Review – The Editor in Chief JEPonline 2009;12(6): i-v.
12. Trudo, K., **Linderman, J.**, Titlebaum, P. (September, 2016) Strength & Conditioning Certifications: Which is Best for You? Retrieved from <http://campusrecmag.com/strength-conditioning-certifications-which-is-best-for-you>

Popular Press Articles/Quotations:

1. Night Sweats; Outside Magazine October, page 122, 2004 (quotations for article)
2. Reading, riding, and research. Dayton Educator September 2000, page 11-12.
3. 24 hours, 100+ miles and bagels, bagels, bagels: Multi marathon run provides data for sport science researchers. Dayton Educator Spring 2003, page 5.
4. Be a trendsetter with the 2017 fitness trends. Dayton Daily News 2016 (quotes).