

Curriculum Vitae

Name: Randall W. Bryner

Department: Human Performance & Applied Exercise Sciences

Division: Exercise Physiology

Address: P.O. Box 9227, Rm. 8317 HSC

Education: **West Virginia University**, Morgantown, WV 26506 (1992-1993). Post-Doctoral Employment: Department of Endocrinology, School of Medicine.

West Virginia University, Morgantown, WV 26506 (1992). Doctoral Degree in Exercise Physiology.

West Virginia University, Morgantown, WV 26506 (1987). Master of Science in Reproductive Physiology.

Eastern Nazarene College, Wollaston, MA 02170 (1984). Bachelor of Science in Biology.

Faculty Appointments: **Associate Professor**, West Virginia University, Department of Human Performance/Exercise Physiology (July 1999-present)

Vice Chair Division of Exercise Physiology, West Virginia University (August 2007-present)

Director for Undergraduate Education, Division of Exercise Physiology, West Virginia University (August 2006 - present)

Assistant Professor, West Virginia University, Department of Medicine/Exercise Physiology (August 1993-1998)

Visiting Assistant Professor, West Virginia University, Division of Health Promotion (August 16, 1992-May 15, 1993)

Post Doctoral Training, West Virginia University, Department of Medicine (Endocrinology) (August, 1992-August, 1993)

Award, Honors: 2012-2013 WVU Honors College Advisor of the Year

Nominated for WVU School of Medicine Distinguished Teacher, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010

Elected to Who's Who among America's Teachers, 1996, 2004, 2005

Nominated for inclusion to Who's Who in Medicine and Healthcare, 2005, 2006, 2007, 2008

Nominated for inclusion into Who's Who in America for 2009

Professional Associations: The American Physiological Society
American College of Sports Medicine-Regular Member (1992 - present).
Mid-Atlantic Chapter, American College of Sports Medicine

Phi Kappa Phi

Research

A. Publications -

a) Published

Garcia-Winder, M., P.E. Lewis, R.W. Bryner, R.D. Baker, E.K. Inskeep and R.L. Butcher. 1988. Effect of age and norgestomet on endocrine parameters and production of embryos in superovulated beef cows. *J. Anim. Sci.* 66:1974-1981.

Bryner, R.W., M. Garcia-Winder, P.E. Lewis, E.K. Inskeep and R.L. Butcher. 1989. Changes in hormonal profiles during the estrous cycle in old beef cows. *Dom. Anim. Endocrin.*, 7(2):181-190.

Lamb, D.L., D.R. Riggs, R.B. Bryner and J.I. DeHaven. 1991. Immunotherapy of murine bladder cancer by irradiated tumor vaccine. *J. Urology*, 145:195-198.

Bryner, R.W., R.C. Toffle, I.H. Ullrich and R.A. Yeater. 1995. The effects of a high-intensity versus low-intensity exercise training program on the reproductive system of young women. *Biology of Sport*, (12)4:213-224.

Bryner, R.W., R.C. Toffle, I.H. Ullrich and R.A. Yeater. 1996. The effect of low-dose oral contraceptives on exercise performance. *Br. J. Sports Med.* 30:11-14.

Bryner, R.W., R.C. Toffle, I.H. Ullrich and R.A. Yeater. 1997. The effect of exercise intensity on body composition, weight loss, and dietary composition in women. *J. Amer. Col. Nutri.* 16: 68-73.

Bryner, R.W., G. Hornsby, R. Chetlin, I. Ullrich, R. Yeater. 1998. Effect of lactate consumption on exercise performance. *J. Sports Med. Phys. Fitness* 38(2):116-123.

Bryner, R.W., D.R. Riggs, J.S. White, D.A. Donley, R.A. Yeater, D.L. Lamm. 1998. The effect of treadmill exercise on the development of prostate cancer in rats. *Biology of Sport* 15:51-60.

Bryner, R.W., D.R. Riggs, D.A. Donley, J.S. White, I. Ullrich, R.A. Yeater, D.L. Lamm. 1998. Effects of voluntary running wheel exercise on the growth and metastasis of transplanted prostate cancer in rats. *J. Exerc. Phys.(online)* Vol 1: Number 2.

Bryner, R.W., I.H. Ullrich, J. Sauers, D. Donley, G. Hornsby, M. Kolar, R. Yeater. 1999. Effects of resistance versus aerobic training combined with an 800 calorie liquid diet on lean body mass and resting metabolic rate. *J. Amer. Col. Nutri.*, 18(1):115-121.

Perna, F.M., R. Bryner, D. Donley, M. Kolar, I. Ullrich, G. Hornsby, J. Sauers, R. Yeater. 1999. The effect of diet and exercise on quality of life and fitness parameters among obese individuals. *J. Exerc. Phys. (online)* Vol 2 Numb. 2

Lamm, D.D., D.R. Riggs, D. Donley, J. White, R. Yeater, and R.W. Bryner. 1999. BCG immunotherapy significantly prolongs survival of animals with prostate cancer. *Prostate J.* 1(4): 190-194.

- Norman, T.L., G. Bradley-Popovich, N. Clovis, R. G. Cutlip, and R.W. Bryner. 2000. Aerobic exercise as a countermeasure for microgravity-induced bone loss and muscle atrophy in a rat hindlimb suspension model. *J. Av., Space, and Environ. Med.* 71:593-598.
- Chetlin, R.D., R. Yeater, I. Ullrich, W. Guyton Hornsby, C. Malanga, R. Bryner. 2000. The effect of ornithine alpha-ketoglutarate (OKG) on healthy, weight trained men. *J. E. P.* online Vol 3 Num 4.
- Siu, P.M., D.A. Donley, R.W. Bryner, S.E. Alway. 2003. Citrate synthase expression and enzyme activity after endurance training in skeletal and cardiac muscles. *J. Appl. Physiol.* 94:555-560.
- Bryner, R.W., D.R. Riggs, D.A. Donley, J.S. White, I. Ullrich, R.A. Yeater, D.L. Lamm. 2004. Effects of exercise training with and without BCG immunotherapy on the growth and metastasis of transplanted prostate cancer in rats. *J.E.P.* online 7(3):75-83.
- Siu, P.M., R.W. Bryner, J. K. Martyn, S.E. Alway. 2004. Apoptotic adaptations from exercise training in skeletal and cardiac muscles. *FASEB J* Jul; 18(10):1150-1152. Epub 2004 May 07.
- Siu, P.M., D.A. Donley, R.W. Bryner, S.E. Alway. 2004. Myogenin and oxidative enzyme gene expression levels are elevated in rat soleus muscles after endurance training. *J. Appl. Physiol.* 97: 277-285.
- Siu, P.M., R.W. Bryner, Z. Murlasitez, S.E. Alway. 2005. Response of XIAP, ARC, and FLIP apoptotic suppressors to 8 weeks of treadmill running in rat heart and skeletal muscle. *J. Appl. Physiol.* 99(1):204-209.
- Bryner, R., D. Donley, R. Cutlip, O. Wirth, J. Park, A. Robertson, C. Garuccio, D. Cyphers, and S. Alway. 2005. Effects of a single downhill treadmill running bout on uncoupling protein 3 mRNA expression. *Int. J. Sports Med.*, 25:433-437.
- Frisbee, J.C., J. B Samora, J. Peterson, and R.W. Bryner. Exercise training blunts microvascular rarefaction in the metabolic syndrome. *Am J Physiol Cir Physiol* 291: H2483-H2492, 2006.
- Peterson JM, Bryner R, J.C. Frisbee, S.E. Always. Effects of Exercise and Obesity on UCP3 Content in Rat Hindlimb Muscles. *Med. Sci. Sports Exercise.* 40(9): 1-9, 2008
- Peterson JM, Wang, Y, Bryner R, Williamson, DL, S.E. Always. Bax signaling mediates palmitate-induced apoptosis in C2C12 myotubes. *Am J Physiol Endocrinol Metab.* 2008
- Peterson JM, Bryner RW, Sindler A, Frisbee JC, S.E. Always. Mitochondrial apoptotic signaling is elevated in cardiac but not skeletal muscle in the obese Zucker rat and is reduced with aerobic training. *J Appl Physiol.* 2008.
- Peterson JM, Bryner RW, S.E. Always. Satellite cell proliferation is reduced in muscles of obese Zucker rats but restored with loading. *Am J Physiol Cell Physiol.* 295(2): C521-8, 2008.
- T.Y. Ip, J. Peterson, R. Bryner, J.C. Tou. J. Bone responses to body weight and moderate treadmill exercising in growing male obese (fa/fa) and lean Zucker rats. *Musculoskelet Neuronal Interact* 2009; 9(3): 155-166

B. Leary, J. Statler, B. Hopkins, R. Fitzwater, T. Kesling, J. Lyon, B. Phillips, R. Bryner, P. Cormie, and G. G. Haff. The relationship between isometric force-time characteristics and club head speed in recreational golfers. *Journal of Strength and Conditioning Research*. J Strength Cond Res 26(10): 2685-2697, 2012.

R.W. Bryner, M.E. Woodworth-Hobbs, D. L. Williamson, and S. E. Always. Docosahexaenoic acid (DHA) protects muscle cells from palmitate-induced atrophy. *ISRN Obesity*: 2012 (2012):Article ID 647348.

Zaslau, Stanley, R. Janesen, D.R. Riggs, B. J. Jackson; R.W. Bryner. Possible Prevention and Treatment of Prostate Cancer by Exercise. *WV Med J*. 2012 May-Jun; 108(3): 42-47.

B. Books –

R. Bryner and D. Donley *Exercise Physiology: Study Guide, Workbook, and Lab Manual*. Kendall Hunt publishers 2013 (ISBN 978-1-4652-2310-4)
(Editor: Bryner)

R. Bryner and D. Donley *Exercise Physiology: Study Guide, Workbook, and Lab Manual*. Kendall Hunt publishers 2012 (ISBN 978-14652-0693-0-7575-9594-3)
(Editor: Bryner)

R. Bryner. *Exercise Physiology: Study Guide and Workbook*. Kendall Hunt, Dubuque, IA, 2011. (ISBN 978-0-7575-9594-3).
(Editor: Bryner)

R. Bryner and G.G. Haff. *Exercise Physiology: Workbook and Study Guide*. Kendall Hunt, Dubuque, IA, 2009. (ISBN 978-0-7575-6829-9).
(Editor: Bryner)

C. Book Chapters -

Hornsby, W.G. and R.W. Bryner. Clinical Exercise Physiology. 2000. In Brown: Introduction to Exercise Science.- First ed., Williams and Wilkins, Baltimore, MD.

Perna, F. And R.W. Bryner. Immune System Disorders and Exercise. 2001 In Medical Aspects of Sport and Exercise. Editors. Mostofsky and Zaichkowsky.

D. Abstracts -

Garcia-Winder, M., P.E. Lewis, R.W. Bryner, R.D. Baker and R.L. Butcher. Effects of age and norgestomet implants (N) on the induction of multiple ovulations and embryos in lactating beef cows. The 78th Annual Meeting of the American Society of Animal Science. 1986. Abs. No. 459.*

Bryner, R.W., E.K. Inskip, P.E. Lewis and R.L. Butcher. Hormonal profiles in young and old beef cows. The 79th Annual Meeting of the American Society of Animal Science, Southern Section. Abs. No. 136. (Presented February, 1987 in Nashville, TN).*

DeHaven, J.I., D.R. Riggs, R.W. Bryner and D.L. Lamm. Immunotherapy of MBT2 with Ethylchloroformate Polymerized Tumor Protein (EPTP). Amer. Urol. Assoc. J. Urol., 141:248A, 1989.*

DeHaven, J.I., D.R. Riggs, R.W. Bryner and D.L. Lamm. Immunotherapy of long term MBT2 survivors with ethylchloroformate polymerized tumor protein. Soc. Biol. Ther. Abstract 53, 1989. Annual Meeting, Williamsburg, Virginia.*

DeHaven, J.I., D.R. Riggs, R.W. Bryner and D.L. Lamm. Comparison of long term immunity induced by BCG, ethylchloroformate polymerized tumor protein and interleukin 2 immunotherapy. J. Urol. 143:254A (261), 1990.*

Bryner, R.W., R. Toffle, I. Ullrich and R. Yeater. Oral contraceptives do not adversely affect performance. The 12th Annual Mid-Atlantic Regional Meeting of the American College of Sports Medicine. (Presented February 16-17, 1990 in Philadelphia, PA).*

Bryner, R.W., R. Yeater, R. Toffle and I. Ullrich. Menstrual cycle: Effects of low intensity versus high intensity aerobic exercise. The 14th Annual Mid-Atlantic Regional Meeting of the American College of Sports Medicine. (Presented February 21-22, 1992 in Westminster, MD).*

Bryner, R.W., R. Yeater, R. Toffle and I. Ullrich. Menstrual cycle: Effects of low intensity versus high intensity aerobic exercise. The 40th annual meeting of the American College of Sports Medicine. Med. Sci. Sports Exerc. 25(5):S141, Abs. No. 785. (Presented June 2-5, 1993 in Seattle Washington).*

Ullrich, I., R. Bryner, R. Toffle and R. Yeater. The effects of exercise intensity on body composition in women. The 40th Annual Meeting of the American College of Sports Medicine. Med. Sci. Sports Exerc. 25(5):S57, Abs. No. 316. (Presented June 2-5, 1993 in Seattle Washington).*

Bryner, R.W., I. Ullrich, R. Toffle and R. Yeater. The effects of exercise intensity on diet composition in young women of normal weight. The 34th Meeting of the American College of Nutrition. (Presented October 9-11, 1993 in Chicago, IL).*

Bryner, R., M. Kolar, I. Ullrich, and R. Yeater. Effect of exercise and caloric restriction on resting metabolic rate in obesity. The 35th Meeting of the American College of Nutrition. (Presented October 7-9, 1994, in Atlanta Georgia).*

Ullrich, I.H., R. Yeater, V. Goetsch, R. Bryner, and G. Hornsby. Use of graded exercise to determine hyperreactivity to mental stress in Type II diabetic patients. Med. Sci. Sports Exerc. Vol.26; Suppl. S157, 1994.(Presented June 1-4, 1994 in Indianapolis, Indiana).

Bryner, R., G. Hornsby, R. Chetlin, I. Ullrich, and R. Yeater. Effect of lactate consumption on exercise performance. Med. Sci. Sports Exerc. Vol 27; Suppl S148, 1995. (Presented May 31-June 3, 1995 in Minneapolis, Minnesota).

Chetlin R, Hornsby W, Malanga C, Ullrich I, Yeater R, Bryner, R. The effect of ornithine alpha keto-glutarate on strength and power in weight trained men. Presented at National Strength and Conditioning meeting in Atlanta GA, June 1996.

Ullrich I, Bryner R, Hornsby G, Sauers J, Donley D, Yeater R. Effects of resistance training on lean body mass with 800 calorie liquid diets. Med. Sci Sports Exerc. Vol. 29; Suppl S46, 1997. (Presented May 28-May 31, 1997 in Denver CO, May 1997)

Bryner R, Riggs D, White J, Donley D, Yeater R, Lamm R. Effects of treadmill running on prostate cancer in rats. Med. Sci. Sports Exerc. Vol. 29; Suppl S209, 1997. (Presented May 28-May 31, 1997 in Denver CO, May 1997)

Perna, F., R. Bryner, D. Donley, M. Kolar, I. Ullrich, G. Hornsby, J. Sauers, and R. Yeater. The effect of diet and exercise on quality of life and physical parameters among obese individuals. Presented at the national meeting of the Association for the Advancement of Applied Sports Psychology, San Diego, California, September, 1997. (*J. Applied Sports Psych.* 9:S141-S142)

Bryner R, Riggs D, White J, Donley D, Yeater R, Lamm R. Effects of treadmill running on prostate cancer in rats. WVU Health Science Center Research Day 1998 Annual Meeting, . (Presented March 20 1998).

Lamm DL, Riggs DR, Bryner RW, Donley D, White J, Yeater R, Wittes. BCG Immunotherapy Significantly Prolongs Survival of Prostate Cancer. WVU Health Science Center Research Day 1998 Annual Meeting, . (Presented March 20 1998).

Bryner, R, D. Riggs, D. Donley, J. White, D. Lamm, R. Yeater. Effects of treadmill exercise alone and in combination with BCG immunotherapy on prostate cancer in rats. *Med. Sci. Sports Exerc.* Vol. 30; Suppl S280, 1998. (Presented June 3-6, in Orlando Fl. 1998)

Bryner, R., D. Riggs, J. DeHaven, D. Donley, J. White, R. Yeater, D. Lamm. Lymphocyte response to running wheel exercise training in rats with prostate cancer. *Med. Sci. Sport Exerc.* 31 (5): S62. (Presented at the 1999 American College of Sports Medicine National Meeting, Seattle, Washington).

R.A. Yeater, V. Goetsch, R. Chetlin, W.G. Hornsby, R. Bryner, I.H. Ullrich. Fitness level and hyperreactivity to mental stress in patients with type 2 diabetes. *Med. Sci. Sports Exerc.* 32(5): S294. (Presented at the 2000 American College of Sports Medicine National Meeting, Indianapolis, Indiana.)

Donley, D.A., R.W. Bryner, S.A. Alway. Expression of uncoupling protein 3 in hypertrophied rat muscles. *The Physiologist.* 43 (4), 2000. (Presented at the 2000 Integrative Biology of Exercise meeting, Portland, Maine).

Donley, D.A., S.E. Alway, R.W. Bryner, R.G. Cutlipp, R. Miller. 2001. Effects of downhill treadmill running on uncoupling protein 3 expression in skeletal muscle. *Med. Sci. Sports Exerc.* 33(5): S66.

D. Donley, R. Bryner, J. White, P. Siu, J. Langley, D. Riggs, B. Jackson, S. Alway. 2002. Effects of acute and chronic aerobic exercise on skeletal muscle uncoupling protein 3 mRNA expression.

D. Donley, R. Bryner, D. Riggs, B. Jackson, J. White, P. Siu, J. Langley, S. Alway. 2002. Relationship between skeletal muscle uncoupling protein 3 mRNA and aerobic fitness. *Med. Sci. Sports Exerc.* 34(5): S78.

J. Langley, R. Bryner, D. Donley, J. White, D. Riggs, and S. Alway. 2002. A comparison of citrate synthase activity and VO_2 Peak in aerobically trained rats. *Med. Sci. Sports Exerc.* 34(5): S79.

P. Siu, R. Bryner, D. Donley, J. White, D. Riggs, B. Jackson, and S. Alway. 2002. Transcriptional expression of myogen and oxidative enzymes in fast and slow skeletal muscles of endurance trained rats. *Med. Sci. Sports Exerc.* 34(5): S187.

P. Siu, R. Bryner, D. Donley, S. Alway. Effect of endurance training on apoptotic markers in skeletal and heart muscles. Presented at the 2003 American College of Sports Medicine National Meeting, San Francisco, CA.

Peterson, J.M., R.W. Bryner, P.M. Siu, and S.E. Alway. 2004. Effects of chronic aerobic exercise on skeletal muscle uncoupling protein 3. *Med. Sci. Sports Exerc* 36(5):S183.

Siu, P.M., R.W. Bryner, J. K. Martyn, S.E. Alway. Attenuated apoptosis in skeletal and cardiac muscles after exercise training. Presented at the 2004 FASEB National Meetings.

Wirth, O., T.R. Wade, I.Hall, R.W. Bryner. 2004. Voluntary hind limb resistance exercise with obese Zucker rats. *Med. Sci. Sports Exerc* 36(5):S333.

Chetlin, R., J. Schoenleber, R. Bryner, I. Ullrich, R. Yeater. 2004. Biometric, demographic, and dietary determinants of peak and mean power in the Wingate test. *Med. Sci. Sports Exerc.* 36(5):S114.

Bryner, R.W., J. Peterson, I. Hall, O. Wirth. 2005. Voluntary resistance exercise training with obese and lean Zucker rats. *Med. Sci. Sports Exerc.* 37 (5): S189.

Peterson, J. M., R.W. Bryner, O. Wirth, S.E. Alway. 2005. Effects of body weight resistance training on GLUT4 expression in obese and lean Zucker rats. *Med. Sci. Sports Exerc.* 37 (5): S188.

Siu, P.M., R.W. Bryner, E.E. Pistilli, Z. Murlastis, D.C. Butler, S.E. Alway. 2005. Anti-apoptotic effect of endurance training in skeletal muscle and heart involves modulation of apoptotic suppressors. *Med. Sci. Sports Exerc.* 37 (5): S245.

Peterson, J. M., R.W. Bryner, P.M. Siu, S.E. Alway. Smaller muscle mass in obese Zucker rats is not caused by mitochondrial-associated apoptosis in skeletal muscle. Submitted for presentation to the 2006 national meeting of the American College of Sports Medicine (Denver, Colorado)

Peterson, J. M., R.W. Bryner, E.E. Pistilli, J.R. Jackson,, D.C. Butler, P.M. Siu, S.E. Alway. Influence of myogenic regulatory factors on muscle mass of obese Zucker rats. Submitted for presentation to the 2006 national meeting of Experimental Biology (San Diego, California). Submitted for presentation to the 2006 national meeting of Experimental Biology (San Diego, California).

Frisbee, J.C., J. Peterson, M.R. James, J. Balch Samora, R.W. Bryner. Chronic exercise training improves vascular function and microvessel density in skeletal muscle of obese Zucker rats. Submitted for presentation to the 2006 national meeting of Experimental Biology (San Diego, California). Submitted for presentation to the 2006 national meeting of Experimental Biology (San Diego, California).

R.W. Bryner, J.P. Peterson, P.M. Siu, S.E. Alway. Smaller Muscle Mass in Obese Zucker Rats is not Caused by Mitochondrial-Associated Apoptosis in Skeletal Muscle. *Med. Sci Sports Exerc.* 38: S282. (Presented at the 2006 ACSM National Meeting, May 30-June 3)

J.M. Peterson, R.W. Bryner, E.E. Pistilli, J.R. Jackson, D.C. Butler, P.M. Siu, S.E. Alway. Influence of Myogenic Regulatory Factors on Muscle Mass of Obese Zucker Rats. (Presented at the 2006 Experimental Biology Meetings).

J.C. Frisbee, J. Peterson, M.R. James, J. Balch Samora and R. Bryner. Chronic Exercise Training Improves Vascular Function and Microvessel Density in Skeletal Muscle of Obese Zucker Rats (Presented at 2006 Experimental Biology Meetings)

A. Sindler, S. Morgan, R. Reyes, S. Hileman, J. Peterson, R. Bryner, J. Frisbee, J. Delp. Chronic Exercise Training Increases Insulin Sensitivity in Obese Zucker Rats Potentially via Hypothalamic Adiponectin Receptor 1. (Presented at the 2006 ACSM Conference on Integrative Physiology of Exercise from Sept 27-30, 2006.)

J.M. Peterson, R.W. Bryner , S.E. Always. Effects of hyperglycemia and long chain free fatty acids on myogenic regulatory factors. (Presented at the 2007 Experimental Biology Meetings)

J. M. Peterson, R.W. Bryner, S Mannan, J Frisbee, S Always. The Effects of Obesity and Exercise on Myogenic Regulatory Factors. (Presented at the 2007 Experimental Biology Meetings)

ME Woodworth-Hobbs, R T. Hobbs, M D. Mayle, G. Haff, R W. Bryner The Effects of Sports Vision Enhancement Training on Softball Athletic Performance. *Med. Sci Sports Exerc.* 40(5): S381, 2008. (Presented at the 2008 American College of Sports Medicine National Meeting, Indianapolis, IN)

R Hobbs, D Donley, M Woodworth-Hobbs, C Rasseck, M Lively, S Alway FACSM, G. Haff, R W Bryner. The Effects of a Multiple Step Antioxidant Nutritional Supplementation Protocol on High-Intensity Cycling Performance. *Med. Sci Sports Exerc.* 40(5): S246, 2008. (Presented at the 2008 American College of Sports Medicine National Meeting, Indianapolis, IN)

RW Bryner, J Peterson, SE Always. Compensatory Loading of the Obese Zucker Rat. *Med. Sci Sports Exerc.* 40(5): S240, 2008. (Presented at the 2008 American College of Sports Medicine National Meeting, Indianapolis, IN)

J. Peterson, RW Bryner, SE Always. Palmitate Treatment Decreases C2C12 Myoblasts Proliferation through a G2 cell cycle shift (Presented at the 2008 Experimental Biology Meetings, San Diego, CA)

Myra E. Woodworth-Hobbs, RW Bryner, DL Williamson, SE Always. DHA reverses the detrimental effects of palmitate in skeletal muscle cells. M.E. Woodworth-Hobbs, R.W. Bryner, D.L. Williamson, S.E. Always. *Med. Sci Sports Exerc.* 2009; 41(5) S29

Regulation of Muscle Growth by Long Chain Omega-3 Polyunsaturated Fatty Acids in Rats. J.D. Mosinski, J. Tou, J. Gigliotti, E. Scheller, S.E. Always, R.W. Bryner. *Med. Sci Sports Exerc.* 2010; 42(5) S533.

The effects of Sports Vision Enhancement Training on Athletic Performance. J.M. Thomas, S.F. Bell, M.D Mayle, M.E. Woodworth-Hobbs, B.Baney, R.W. Bryner. *Med. Sci Sports Exerc.* 2010; 42(5) S409.

Association between family history and disease in persons entering supervised exercise. R.W. Bryner, D. Donley, J. Thomas, D. Bonner, R. Chetlin, G. Hobbs, D. Gilleland. *Med. Sci. Sports Exerc.* 2011; 43 (5) S235.

The relationship between isometric force-time curve characteristics and club head speed in recreational golfers. B.K. Leary, J. Statler, B. Hopkins, R. Fitzwater, T. Kesling, J. Lyon, B. Phillips, R.W. Bryner, P. Cormie, G.G. Haff. (Presented at the 2011 National Strength & Conditioning National Meeting)

The Awareness, Treatment, and Control of Hypertension in a Supervised Wellness Program Pearman, M., Bryner, R., Bonner, D., Donley, D., Thomas, J., Gilleland. (Presented at the 2012 National Meeting of the American College of Sports Medicine)

The Effects of Vision Training on Athletic Performance. Tallhamer, B., Ryan, M.J., Burgess, K., Reneau, P., Bryner, R.W. (Presented at the 2012 National Meeting of the American College of Sports Medicine)

Effects of Chronic Stress on Running Wheel Activity in Mice. DeVallance, E., Riggs, D., Jackson, B., Parkulo, T., Zaslau, S., Ice, C., Bryner, R. (Presented at the 2013 National Meeting of the American College of Sports Medicine)

The Effects of Vision Training on Softball Performance. Tallhamer, B., Ryan, M. Reneau, P. Bryner, R. (Presented at the 2013 National Meeting of the American College of Sports Medicine)

Does Hydration Status have an Effect on Wrestling Performance in High School Wrestlers? Michelle A. Sandrey, Joseph M. Brausch, Randall W. Bryner, Michele Dell-Pruett. (Presented at the 2013 National Meeting of the American College of Sports Medicine)

Female Sexual Dysfunction in Patients with Painful Bladder Syndrome (PBS): Evaluation on the Effects of Body Mass Index (BMI). Zaslau, S., Riggs, D., Jackson, B., Osborne, J., Jansen, R., Hubsher, C., Bryner, R. (Presented at the 2013 Mid-Atlantic Section of the American Urological Association)

Effects of Chronic Stress on Mouse Pancreatic Beta Cell Proliferation and Muscle Atrophy Gene Expression. Parkulo, T., Riggs, D., Jackson, B., DeVallance, E., Zaslau, S., Mohamed, J., Alway, S., Bryner, R. (Accepted for presentation to the 2014 American College of Sports Medicine National Meetings)

Physical Activity in Patients from a West Virginia Urological Clinic. R.W. Bryner, I. Sheikh, B. Jackson, S. Zaslau, D. Davis, D. Riggs. (Accepted for presentation to the 2014 American College of Sports Medicine National Meetings)

Self-Reported Physical Activity in Patients with Normal Body Mass Index: Effect on Female Sexual Dysfunction in Patients with Painful Bladder Syndrome. Zaslau, S., Riggs, D., Jackson, B., Osborne, J., Jansen, R., Hubsher, C., Bryner, R. (Accepted for presentation to the 2014 American Urological Association)

E. Grants/Contracts -

GRANTS

APPROVED

I) Received

“The Effects of a Very Low Calorie Diet and Aerobic Exercise Training Program on the Immune Function and Upper Respiratory Tract Infections.” Randy W. Bryner and Maria Kolar, Principle Investigators. Biomedical Research Support Committee, Total Cost - \$8,000.00, 1993.

“The Effects of Ingesting a Polylactate Sports Drink on Athletic Performance”. Randy W. Bryner and Rachel Yeater, Principle Investigators. Total Cost - \$20,000.00 from Purac Corporation, 1994.

Equipment grant from the Corning Corporation. Received - Corning 178 pH/Blood Gas Analyzer (Approximate Value - \$20,000.00), 1994.

WVU Research Corporation Central Funding Grant. 1995. Total Cost - \$10,000.00. (Supplement the purchase of a metabolic treadmill and computer support system.) Approved.

“Evaluation of Intralesional BCG in A Rat Model of Adenocarcinoma of the Prostate With and Without Aerobic Exercise”. Donald L. Lamm, Dale R. Riggs, and Randy W. Bryner, Co-Investigators. Connaught Laboratories Limited, September, 1996. Total Cost - \$16,000.00

“The Effects of Oral Creatine Supplementation on Anaerobic Performance During the Wingate Test.” Robert Chetlin , Joe Shonlever and Randy Bryner, Principle Investigators. Total Cost- \$5,504.90 from SportPharma, Inc., 1997.

“The effects of resistance versus treadmill exercise training on UCP3 expression and glucose disposal in

the obese rat.” 2004. R.W. Bryner, Principle Investigator. Total Cost - \$12,000.00.

“The effects of a commercially available nutritional supplement which combines multiple natural ingredients on prolonged high-intensity cycling performance and oxidative stress.” R.W. Bryner, Principle Investigator. Total Cost - \$13,800.00. (approved from AmeriScience Inc.) 2007.

“A Bi-Directional, Translational Model of Exercise Training in the Treatment of Charcot-Marie-Tooth (CMT) Disease”. R.W. Bryner Co-Principle Investigation. Current Award - \$22,000.00/ Total Budget- \$ 216, 629.00 (approved Hereditary Neuropathy Foundation) 2013

“A Bi-Directional, Translational Model of Exercise Training in the Treatment of Charcot-Marie-Tooth (CMT) Disease”. R.W. Bryner Co-Principle Investigation. Current Award - \$18,773.00/ Total Budget- \$ 216, 629.00 (approved Hereditary Neuropathy Foundation) 2014

Committees

Current Committees

Exercise Physiology Curriculum Committee (Chair)

Year of Service: 2001- present

School of Medicine, Department of Human Performance and Applied Exercise Science

Exercise Physiology Academics Standards Committee

Year of Service: 2004- present

School of Medicine, Department of Human Performance and Applied Exercise Science

Exercise Physiology Ethics Committee

Year of Service: 2006- present

School of Medicine, Department of Human Performance and Applied Exercise Science

School of Medicine Promotion and Tenure Committee. (Committee Vice Chair & Chair: Professional Programs Sub-committee)

Year of Service: Fall 2002 – present

School of Medicine, Van Liere Research Committee

Year of Service: 2008-2011, 2014

West Virginia University Faculty Senate

Year of Service: Fall 2005 – 2011; 2012- present

West Virginia University Faculty Senate Service Grant Committee

Year of Service: Spring 2010 - present (Chair for spring of 2014)

WVU Honors College Advisory Committee

Year of Service: Fall 2012 – present

WVU Honors College Contract Course Committee

Year of Service: Fall 2012 – present

WVU Honors College Curriculum Committee

Year of Service: Fall 2013 – present

Past Committees

Mid-Atlantic Chapter of the American College of Sports Medicine

Research Committee: Year of Service: Fall 2006 – 2009

School of Medicine Strategic Planning Committee (Academic Sub-Committee)

2011-2012

Exercise Physiology Graduate Student Entrance Committee

Year of Service: 1993-2010

School of Medicine, Department of Human Performance and Applied Exercise Science

WVU Employee Week Committee

Year of Service: 1992-1993

School of Physical Education, Department of Health Promotion.

Outstanding Service Award Committee

Year of Service: 1992-1993

School of Physical Education, Department of Health Promotion.

Exercise Physiology Graduate Student Entrance Committee

Year of Service: 1993-2010

School of Medicine, Department of Human Performance and Applied Exercise Science

Department Promotion and Tenure Committee

Year of Service: 1996-1998

2000-2001

School of Medicine, Department of Human Performance and Applied Exercise Science

Exercise Physiology Faculty Search Committee

Year of Service: 1998-1999; 2006-2008, 2010

School of Medicine, Department of Human Performance and Applied Exercise Science

Physical Therapy Faculty Search Committee

Year of Service: 1999-2000

School of Medicine, Department of Human Performance and Applied Exercise Science

Occupation Therapy Faculty Search Committee

Year of Service: 1999-2000

School of Medicine, Department of Human Performance and Applied Exercise Science

School of Medicine Research Development Grant Committee

Year of Service: 1999-2003

Physical Education Faculty Search Committee

Year of Service: 2000-2001

School and Department: School of Medicine, Department of Human Performance and Applied Exercise Science

Current Graduate Committees:

Masters:

1) Travis Parkulo	Chairman	Exercise Physiology
2) Joe Wilson	Member	Exercise Physiology
3) Justin Sperringer	Member	Exercise Physiology
4) Nicole Zachwieja	Member	Exercise Physiology
5) Kyla Galbreath	Member	Exercise Physiology
6) Oluremi Famodu	Member	Nutrition

Recent Other Graduate Committees:

Doctoral:

1. Jonathon Peterson	Chairman	Exercise Physiology
2) David Butler	Member	Exercise Physiology
3) Brent Baker	Member	Exercise Physiology
4) Joey Gigliotti	Member	Nutrition
5) Parco Siu	Member	Exercise Physiology

Masters:

1) Myra Woodworth	Chairman	Exercise Physiology
2) Matt Magnone	Chairman	Exercise Physiology
3) Ryan Hobbs	Member	Exercise Physiology
4) John David Mosinski	Chairman	Exercise Physiology

Teaching

EXPH 393a: Physiology of Exercise I (Course coordinator & Instructor)
Fall 2012 – Present

EXPH 393 b: Physiology of Exercise II (Course coordinator & Instructor)
Spring 2013 – Present

EXPH 460: Pathophysiology (Course coordinator & Instructor)
Spring 2003 – Present

EXPH 567: Exercise Physiology II (Course coordinator & Instructor)
Fall 2002 – Present

EXPH 460: Honors Pathophysiology (Course coordinator & Instructor)
Fall 2006 – Present

EXPH 370: Honors Writing for Exercise Science (Course coordinator & Instructor)
Spring 2012 – Present

EXPH 496: Senior Thesis (Faculty Mentor)
Fall 2006 – Present

PT 104: Clinical Sciences (Exercise and the Immune System)

Fall 200 – Present

EXPH 365: Exercise Physiology I (Course coordinator & Instructor)
Spring 2002 – spring 2012

EXPH 365: Honors Exercise Physiology I (Course coordinator & Instructor)
Spring 2006 – spring 2012

OTH 365: Exercise Physiology (Metabolism, Endocrine System, Obesity)
Spring 2006 - 2011