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Education:

- 2011-2014 Postdoctoral Fellow, School of Kinesiology, University of British Columbia, Mentors: Dr. J Timothy Inglis & Dr. Jean-Sébastien Blouin
- 2006-2010 PhD Kinesiology, School of Kinesiology, The University of Western Ontario
Mentor: Dr. Charles L Rice
- 2004-2006 MSc Exercise and work physiology, School of Human Kinetics and Recreation, Memorial University of Newfoundland, Mentor: Dr. David G Behm
- 1999-2004 BRec (Honours), School of Human Kinetics and Recreation, Memorial University of Newfoundland, Mentor: Dr. Antony Card

Employment and Positions Held:

- 2013- Assistant Professor, Department of Human Physiology, University of Oregon
- 2010-2011 Research Associate, School of Kinesiology, The University of Western Ontario
- 2008-2010 Research Assistant, Neuromuscular Lab, School of Kinesiology, The University of Western Ontario
- 2006-2007 Teaching Assistant, School of Kinesiology, The University of Western Ontario,
- 2005-2006 Teaching Assistant, School of Human Kinetics and Recreation, Memorial University of Newfoundland
- 2005-2006 Strength and Conditioning Consultant/Coach, Sea-Hawks Men's Varsity Basketball, Memorial University of Newfoundland and Newfoundland and Labrador Provincial Basketball Association
- 2005 Sessional Instructor, School of Human Kinetics and Recreation, Memorial University of Newfoundland
- 2003-2004 Research Assistant, Gambling Research Lab, School of Human Kinetics and Recreation, Memorial University of Newfoundland

Research Support:Current Funding

New Investigator Award Dalton March 1, 2015-February 28, 2016
 Agency: Medical Research Foundation of Oregon
 Title: The effect of adult aging on the vestibular control of balance
 Goal: To determine the contribution and integrity of the vestibulospinal and reticulospinal pathway in controlling posture during quiet standing and locomotion
 Amount: \$38 643
 Role: PI

Previous Funding

Postdoctoral Fellowship Dalton August 1, 2012-July 31, 2015
 Agency: Canadian Institutes of Health Research
 Title: The effects of adult aging on the underlying mechanisms of sensorimotor control
 Goal: To determine how adult aging affects the basic mechanisms of sensorimotor function
 Amount: \$135 000 (Declined final 16.5 months due to new position)
 Role: PDF

Postdoctoral Fellowship Dalton July 1, 2011-June 30, 2014
 Agency: Michael Smith Foundation for Health Research
 Title: Effects of Adult Aging on Neural Control and Muscle Fatigue
 Goal: To determine the contribution of various sensory inputs onto the motor neuron pool in young and old humans
 Amount: \$117 000 (Declined final 2.5 months due to new position)
 Role: PDF

Canadian Graduate Scholar Dalton May 1, 2008-April 30, 2010
 Agency: Natural Sciences and Engineering Research Council of Canada
 Title: The effect of age on motor unit properties of the plantar flexor muscles
 Goal: To determine key differences in neuromuscular properties of the soleus and gastrocnemii and how these distinct muscles and their constituent motor units are altered with natural adult aging
 Amount: \$70 000
 Role: PhD Thesis

Ontario Graduate Scholar Dalton May 1, 2008-April 30, 2009
 Agency: Ontario Provincial Government
 Title The effect of age on motor unit properties of the plantar flexor muscles
 Goal: To determine whether the unusually low MU firing rates present in the soleus of young adults will preclude the typical age-related decrease in firing rates usually reported for other limb muscles.
 Amount: \$15 000 (Declined due to Canada Graduate Award)
 Role: PhD Thesis

Ontario Graduate Scholar Dalton May 1, 2007-April 30, 2008
 Agency: Ontario Provincial Government
 Title The effect of age on motor unit properties of the plantar flexor muscles
 Goal: To determine how age affects the number of functioning MUs in the plantar flexors
 Amount: \$15 000

Dalton, Brian H

bdalton@uoregon.edu

Role: PhD Thesis

Graduate Fellowship Dalton September 1, 2005-August 30, 2007
Agency: Newfoundland and Labrador Centre for Applied Health Research
Title: Music and noise affecting simulated driving, vigilance, and cognitive performance
Goal: To determine the effect of loud music on driving performance
Amount: \$36 000 (Declined final 12 months due to new position)
Role: MSc Thesis

List of Awards and Honors:

2010 Canadian Institutes of Health Research: Institute of Aging Age+ Prize (National)
2010 American College of Sports Medicine Interest Group Poster Award (International)
2009 American College of Sports Medicine Interest Group Poster Award (International)
2008 Canadian Society for Exercise Physiology Doctoral Poster Award (National)
2006 Memorial University of Newfoundland and Labrador: Fellow of the School of Graduate Studies (Institutional)
2004 Memorial University of Newfoundland and Labrador: Academic Award for Excellence (Institutional)
2002-2004 Memorial University of Newfoundland and Labrador: Director's List (Institutional)
2001 United Church East District Academic Award (Provincial)
2001 Newfoundland and Labrador Provincial Post-Secondary Award (Provincial)
1999 Memorial University of Newfoundland and Labrador Entrance Scholarship (Institutional)

Professional Affiliations:

2014- Member, American College of Sports Medicine
2013- Member, International Society for Posture and Gait Research
2010- Member, Society for Neuroscience
2013-2014 Member, Canadian Society for Psychomotor Learning and Sport Psychology
2007-2010 Member, Canadian Society for Exercise Physiology

Professional Service:

Invited Reviewer for Scientific Journals

Publications: AGE: Journal of the American Aging Association, Aging Research Reviews, American Journal of Physiology: Regulatory, Comparative and Integrative Physiology, Applied Physiology Nutrition and Metabolism, Archives of Physical Medicine & Rehabilitation, Ergonomics, European Journal of Applied Physiology, Experimental Brain Research, Experimental Gerontology, Ergonomics, Journal of Applied Biomechanics, Journal of Electromyography and Kinesiology, Journal of Musculoskeletal Research, Journal of Neurophysiology, Journal of Physiology, Journal of Visual Experiments, Kinesiology,

Guest Lecturer

- 2015 HPHY 333 Motor Control, Department of Human Physiology, University of Oregon
2012 & 2013 HKIN 351 Biomechanics of Tissues, School of Kinesiology, University of British Columbia
2012 HKIN 343 An introduction to the Biology of Human Athletic Performance, School of Kinesiology, University of British Columbia
2012 PEDS 203: Skill Acquisition and Performance, Department of Physical Education, University of Alberta
2010 Kin 605Y Bioscience Seminar, School of Kinesiology, The University of Western Ontario
2009 & 2010 Kin 4474 Physical Activity and Exercise Guidelines for Older Adults, School of Kinesiology, The University of Western Ontario
2006 HKR 4702 Advanced Exercise Physiology, School of Human Kinetics and Recreation, Memorial University of Newfoundland
2005 & 2006 HKR 2300 Growth and Development, School of Human Kinetics and Recreation, Memorial University of Newfoundland

Miscellaneous

- 2015 Session Chair, Sports/Performance, Northwest Biomechanics Symposium, Seattle, WA
2014 Graduate Poster Award Committee, Canadian Society for Exercise Physiology Annual General Meeting, St. John's, Newfoundland and Labrador
2014 Session Chair, Muscle Physiology, Canadian Society for Exercise Physiology Annual General Meeting, St. John's, Newfoundland and Labrador
2014 Session Chair, Aging of the neuromuscular system: New insights on an age old problem, World Congress of Biomechanics, Boston, MA
2010 Graduate Poster Award Committee, Canadian Society for Exercise Physiology Annual General Meeting, Toronto, Ontario
2009 Co-organizer, Exercise Neuroscience Group Bi-annual Meeting, The University of Western Ontario, London, Ontario
2008-2009 Journal Club Coordinator and Facilitator, Neuromuscular Physiology Labs, School of Kinesiology, The University of Western Ontario

University Service:

- 2014- Member, Global Corners Scholarship Committee, University of Oregon
2014-2015 Faculty Mentor, Summer Program for Undergraduate Research (SPUR/OURS)
2014-2015 Laboratory demonstration, Summer Academy to Inspire Learning (Sail)

Department Service:

- 2014- Admissions Committee, Department of Human Physiology, University of Oregon

Mentoring and Teaching:

Courses Taught

Dalton, Brian H

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- 2016- HPHY 434/534: Movement Disorders (Bi-Annually), Department of Human Physiology, University of Oregon
- 2015- HPHY 435/535: Physiology of Fatigue (Annually), Department of Human Physiology, University of Oregon
- 2014- HPHY 621: Systems Physiology I (Co-taught; Annually), Department of Human Physiology, University of Oregon
- 2015 HKR 3330: Health Issues, School of Human Kinetics and Recreation, Memorial University of Newfoundland

Masters' Thesis

- 2014- Kysar, Jacob, Department of Human Physiology, University of Oregon, in progress
- 2014- McGeehan, Michael. Department of Human Physiology, University of Oregon, in progress
- 2014- Bogost, Mark. Department of Human Physiology, University of Oregon, in progress.

Undergraduate Thesis

- 2014- Wallace, Jonathan. Department of Human Physiology & Clark Honors College, University of Oregon, in progress
- 2015- Peters, Wendy. Department of Human Physiology & Clark Honors College, University of Oregon, in progress
- 2014-2015 Lanning, Amelia (Molly). Sex-related differences of fatigability during isotonic concentric contractions of the plantar flexors in humans. Department of Human Physiology & Clark Honors College, University of Oregon (**Passed with Distinction**)

Undergraduate Research Trainees

- 2015- Ginn, Jordan. Department of Human Physiology, University of Oregon
- 2014- Rios, Taylor L. Department of Human Physiology, University of Oregon
- 2014-2015 Moss, Alyssa P. Department of Human Physiology, University of Oregon
- 2014-2015 Lee, Max. Department of Human Physiology, University of Oregon

Student Committee Service:

- 2015- Yasen, Alia. Department of Human Physiology, University of Oregon, PhD. In progress (Committee Member)
- 2015- McIntosh, Emily. Department of Human Health and Nutritional Sciences, College of Biological Sciences, University of Guelph, PhD. In Progress (Committee Member)
- 2015- Clayton, Zachary. Department of Human Physiology, University of Oregon, PhD. In progress (Committee Member)
- 2014- Hannigan, James. Department of Human Physiology, University of Oregon, PhD. In progress (Committee Member)

- 2014- Morris, Amanda. Department of Human Physiology, University of Oregon, PhD, in progress (Committee Member)
- 2014- Hinkel-Lipsker, Jacob. Department of Human Physiology, University of Oregon, PhD, in progress (Committee Member)
- 2014- Phillips, David. Department of Human Physiology, University of Oregon, PhD, in progress (Committee Member)
- 2014- Gillespie, Elizabeth. Department of Human Physiology, University of Oregon, MSc, in progress (Committee Member)
- 2014-2015 Ohm, Kelly. The effect of stimulus timing on unplanned gait termination. Department of Human Physiology, University of Oregon, MSc (Committee Member)
- 2014-2015 Gillespie, Margie. An examination of sex-related differences in central and peripheral fatigue. Department of Human Physiology and Clark Honors College, Undergraduate Honors Thesis (Committee Member)
- 2013-2014 Shepherd, Myles. Intersensory vestibular control of standing balance. School of Kinesiology, University of British Columbia, MSc (Committee Member and External Examiner)
- 2013 Hong, Xi. Comparisons between automatic force based triggering and manually triggered methods for quantifying quadriceps voluntary activation assessment. School of Human Kinetics and Recreation, Memorial University, MSc (External Examiner)
- 2013 Maddigan, Meaghan. Psychological vs. Physiological: The effects of high tempo music as an external stimulus during high intensity exercise. School of Human Kinetics and Recreation, Memorial University, MSc (External Examiner)

Invited Speaker:

1. **Dalton BH.** Neuromechanical control of human movement throughout the lifespan. University of Oregon Biomechanics Workshop, Tokyo University of Science, Tokyo, Japan (September 2015).
2. **Dalton BH.** History-dependence of the vestibular-evoked postural response: The role of neck somatosensory integration. Canadian Society for Exercise Physiology Annual General Meeting, St. John's, Newfoundland and Labrador, Canada (October 2014).
3. **Dalton BH.** Motor unit function: The curious case of adult aging. Summer Program for Undergraduate Research, University of Oregon, Eugene, Oregon, United States (July 2014).
4. **Dalton BH.** The vestibular control of standing balance in young and old men. 7th World Congress of Biomechanics, Boston, Massachusetts, United States (July 2014).
5. **Dalton BH.** Adult aging and motor unit function: Who's the Boss? Department of Human Physiology, University of Oregon, Eugene, Oregon, United States (April 2013).

6. **Dalton BH.** Motor unit function: The curious case of adult aging. School of Health and Exercise Sciences, University of British Columbia – Okanagan, Kelowna, British Columbia, Canada (April 2012).
7. **Dalton BH.** The curious case of adult aging: An investigation into sarcopenia and motor unit function. Faculty of Physical Education and Recreation, University of Alberta, Edmonton, Alberta, Canada (January 2012).
8. **Dalton BH.** Motor unit properties of the plantar flexors in young and old men. School of Kinesiology, University of British Columbia, Vancouver, British Columbia, Canada (November 2010).
9. **Dalton BH.** The curious case of the human soleus. School of Kinesiology Bioscience Seminar Series, University of Western Ontario, London, Ontario, Canada (April 2010).
10. **Dalton BH.** The RRA's role in helping us understand aging and fatigue. Retirement Research Association Annual General Meeting, London, Ontario, Canada (October 2008).
11. **Dalton BH.** Fitness assessment for the physical education teacher. Physical Education Special Interest Council Conference, St. John's, Newfoundland and Labrador, Canada (October 2005).

Contributions to Research:

Articles Published in Refereed Journals (* highlights corresponding author)

1. **Dalton BH***, Power GA, Paturel JR, Rice CL. Older men are more fatigable than young when matched for maximal power and dynamic knee extension angular velocity is unconstrained. *AGE* 37: 1-16, 2015.
2. **Dalton BH**, Blouin J-S*, Allen MD, Rice CL, Inglis JT. The altered vestibular-evoked myogenic and whole-body postural responses in old men during standing. *Exp Gerontol* 60: 120-128, 2014.
3. Dakin CJ, **Dalton BH**, Luu BL, Blouin J-S*. Rectification is required to extract oscillatory envelope modulation from the surface electromyographic signal. *J Neurophysiol* 112: 1685-1691, 2014.
4. **Dalton BH***, Allen MD, Power GA, Vandervoort AA, Rice CL. The effect of knee joint angle on plantar flexor power in young and old men. *Exp Gerontol* 52: 70-76, 2014.
5. Harwood B, **Dalton BH**, Power GA, Rice CL*. Motor unit properties from three synergistic muscles: an elbow extension. *Exp Brain Res* 231: 501-510, 2013.
6. Power GA*, **Dalton BH**, Rice CL. Invited Review. Human neuromuscular structure and function in old age: A brief review. *JSHS* 2: 215-226: 2013.
7. Power GA, **Dalton BH**, Rice CL, Vandervoort AA*. Peak power is reduced following lengthening contractions despite a maintenance of shortening velocity. *Appl Physiol Nutr and Metab* 38: 1196-1205, 2013.
8. **Dalton BH***, Power GA, Allen MD, Vandervoort AA, Rice CL. The genu effect on plantar flexor power. *Eur J Appl Physiol* 113: 1431-1439, 2013.

9. Power GA, **Dalton BH**, Behm DG, Doherty TJ, Vandervoort AA, Rice CL*. Motor unit survival in life-long runners is muscle-dependent. *Med Sci Sports Exerc* 44: 1235-1242, 2012.
10. Power GA, **Dalton BH**, Rice CL, Vandervoort AA*. Power loss is greater following lengthening contractions in old versus young women. *AGE* 34: 737-750, 2012.
11. **Dalton BH**, Power GA, Vandervoort AA, Rice CL*. The age-related slowing of voluntary shortening velocity exacerbates power loss during repeated fast knee extensions. *Exp Gerontol* 47: 85-92, 2012.
12. Power GA, **Dalton BH**, Rice CL, Vandervoort AA*. Reproducibility of velocity-dependent power: Day-to-day and following fatiguing lengthening contractions. *Appl Physiol Nutr and Metab* 36(5): 1-8, 2011.
13. **Dalton BH**, Power GA, Vandervoort AA, Rice CL*. Power loss is greater in old men than young men during fast plantar flexion contractions. *J Appl Physiol* 109: 1441-1447, 2010.
14. Power GA, **Dalton BH**, Rice CL, Vandervoort AA*. Delayed recovery of velocity-dependent power loss following eccentric actions of the ankle dorsiflexors. *J Appl Physiol* 109: 669-676, 2010.
15. **Dalton BH**, Jakobi JM, Allman BL, Rice CL*. Differential age-related changes in motor unit properties between elbow flexors and extensors. *Acta Physiol* 200: 45-55, 2010.
16. Power GA, **Dalton BH**, Behm DG, Doherty TJ, Vandervoort AA, Rice CL*. Motor unit number estimates in masters runners: Use it or lose it? *Med Sci Sports Exerc* 42: 1644-1650, 2010.
17. **Dalton BH**, Harwood B, Davidson AW, Rice CL*. The recovery of motoneuron output is delayed in old men following high-intensity fatigue. *J Neurophysiol* 103: 977-985, 2010.
18. **Dalton BH**, Harwood B, Davidson AW, Rice CL*. Triceps surae contractile properties and firing rates in the soleus of young and old men. *J Appl Physiol* 107: 1781-1788, 2009.
19. Boe SG, **Dalton BH**, Harwood B, Doherty TJ, Rice CL. Inter-rater reliability of motor unit number estimates and quantitative motor unit analysis in the tibialis anterior muscle. *Clinical Neurophysiol* 120: 947-952, 2009.
20. **Dalton BH**, McNeil CJ, Doherty TJ, Rice CL*. Age-related reductions in the estimated numbers of motor units are minimal for the human soleus. *Muscle Nerve* 38: 1108-1115, 2008.
21. **Dalton BH**, Behm DG*. Effects of noise and music on human and task performance: A systematic review. *Occup Ergon* 7: 143-152, 2007.
22. **Dalton BH**, Behm DG*, Kibele A. Effects of sound types and volumes on simulated driving, vigilance tasks and heart rate. *Occup Ergon* 7: 153-168, 2007.

Other Published Work in Refereed Journals (* highlights corresponding author)

23. Power GA*, **Dalton BH**, Doherty TJ, Rice CL. If you don't use it, you'll likely lose it: Commentary on "Relationship between muscle mass, motor units, and type of training in masters athletes". *Clin Physiol Funct Imaging*: In Press. doi: 10.1111/cpf.12248

24. Cheng, AJ*, **Dalton BH**, Harwood B, Power GA. "SIT" down and relax: the interpolated twitch technique is still a valid measure of central fatigue during sustained contraction tasks. *J Physiol* 591: 3677-3678, 2013.
25. Rice CL*, **Dalton BH**, McNeil CJ, Power GA. Comments on Point: Counterpoint: Skeletal muscle mechanical efficiency does/does not increase with age. Task influences mechanical efficiency in old age. *J Appl Physiol* 114: 1117, 2013.

Submitted Articles in Refereed Journals (* highlights corresponding author)

26. Wallace JW, Power GA, Rice CL, **Dalton BH***. The effect of time-dependent neuromuscular parameters on the fatigability of plantar flexor power in young and old males. *Exp Gerontol* (EXG-15-262R1, 1st Revision October 2015)
27. Graham MT, Rice CL, **Dalton BH***. Motor unit firing rates of the gastrocnemii during maximal brief steady-state contractions in humans. *J Electromyogr Kinesiol* (JEK-D-15-00178R1, 1st Revision October 2015)
28. Power GA*, Flaaten N, **Dalton BH**, Herzog W. An increased proportion of weakly bound cross-bridges contribute to the age-related maintenance of eccentric strength. *J Gerontol A Biol Sci Med Sci* (JGMS-2015-RES-471, submitted September 2015)
29. Peters RM, Blouin J-S*, **Dalton BH**, Inglis JT. Central compensation for peripheral deterioration in the aging vestibular system. *J Appl Physiol* (October 2015)

Presented and Published Abstracts

1. Peters RM, **Dalton BH**, Blouin J-S, Inglis JT. Precise coding of ankle rotation by lower limb muscle spindle afferents. International Society for Posture & Gait Research World Congress, Seville, Spain. June 28-July 2, 2015.
2. McGeehan M, **Dalton BH**. The effect of fatigue on the vestibular control of standing balance. *Exercise Neuroscience Group*, St. Catherines, ON. June 23-24, 2015. <https://www.brocku.ca/applied-health-sciences/conferences-events/eng-2015>
3. **Dalton BH**, Lanning AC, Power GA, Rice CL. Greater fatigability in older than younger men is related to the rate of velocity development. *Med Sci Sports Exerc* 47 (5S): 63, 2015. ACSM, San Diego, CA. May 26-30, 2015.
4. Peters RM, **Dalton BH**, Blouin J-S, Inglis JT. Precise coding of ankle rotation by lower limb muscle spindle afferents. *9th Annual Canadian Neuroscience Meeting*. Vancouver, BC. May 24-27, 2015. <http://can-acn.org/meeting2015>
5. Rasman BG, **Dalton BH**, Inglis JT, Blouin J-S. Spatial transformation of the vestibular control of standing balance. *9th Annual Canadian Neuroscience Meeting*. Vancouver, BC. May 24-27, 2015. <http://can-acn.org/meeting2015>
6. Rasman BG, **Dalton BH**, Inglis JT, Blouin J-S. Visual recalibration of head-on-body posture does not influence the spatial transformation of vestibular signals for the control of standing balance. *9th Annual Canadian Neuroscience Meeting*. Vancouver, BC. May 24-27, 2015. <http://can-acn.org/meeting2015>

7. **Dalton BH**, Blouin J-S, Allen MD, Rice CL, Inglis JT. Vestibular control of standing balance in older adults. 7th World Congress of Biomechanics, Boston, MA. July 6-11, 2014.
8. **Dalton BH**, Luu B, Inglis JT, Koehle MS, Croft EA, Van der Loos HFM, Blouin J-S. Do load sensations at the foot sole contribute to enhanced postural stability when ankle feedback is increased? International Society for Posture & Gait Research World Congress, Vancouver, BC. June 29-July 3, 2014.
9. Graham MT, **Dalton BH**, Smith CB, Rice CL. Maximal motor unit firing rates in the human gastrocnemii. *Med Sci Sports Exerc* 46 (5S): 147, 2014. ACSM, Orlando, FL. May 27-31, 2014.
10. **Dalton BH**, Inglis JT, Koehle MS, Croft EA, Van der Loos HFM, Blouin J-S. Does ankle torque/ankle angle relationship facilitate the on-going modulation of upright standing balance? Program no. 745.03 Abstract Viewer/Itinerary Planner. CD-ROM. Society for Neuroscience, San Diego, CA. November 9-13, 2013.
11. Power GA, Choi I, **Dalton BH**, Vandervoort AA, Rice CL. Electromechanical delay following lengthening muscle actions in young and old. Program no. 745.07 Abstract Viewer/Itinerary Planner. CD-ROM. Society for Neuroscience, San Diego, CA. November 9-13, 2013.
12. **Dalton BH**, Allen MD, Inglis JT, Rice CL, Blouin J-S. The effect of adult aging on the vestibular control of standing balance. *Canadian Society for Psychomotor Learning and Sport Psychology*, Kelowna, BC. October 17-20, 2013.
13. Rasman BG, **Dalton BH**, Blouin J-S. Habituation of the GVS-evoked lower leg muscle response during free standing. *Canadian Society for Psychomotor Learning and Sport Psychology*, Kelowna, BC. October 17-20, 2013.
14. **Dalton BH**, Inglis JT, Koehle MS, Croft EA, Van der Loos HFM, Blouin J-S. Contribution of foot loading during upright balance control. *Exercise Neuroscience Group*, Oshawa, ON. June 13-14, 2013. <http://eng2013.weebly.com/index.html>
15. Power GA, **Dalton BH**, Behm DG, Vandervoort AA, Doherty TJ, Rice CL. Neuroprotective effect of lifelong running on motor unit survival: Use it or lose it. The Biomedical Basis for Human Performance Across the Lifespan: An international workshop and symposium. June 4-7, 2013. <http://www.ucalgary.ca/knes/bbohp>
16. **Dalton BH**, Luu BL, Inglis JT, Van der Loos HFM, Croft EA, Blouin J-S. Variability of postural sway is reduced with an increase in positive ankle feedback. Program no. 479.15 Abstract Viewer/Itinerary Planner. CD-ROM. Society for Neuroscience, New Orleans, LA. October 13-17, 2012.
17. Harwood B, **Dalton BH**, Power GA, Rice CL. Muscle-dependent motor unit recruitment behavior of the elbow extensors. Program no. 887.23 Abstract Viewer/Itinerary Planner. CD-ROM. Society for Neuroscience, New Orleans, LA. October 13-17, 2012.
18. **Dalton BH**, Power GA, Harwood B, Rice CL. Motor unit properties in the three heads of the triceps surae. *International Motoneuron Meeting: Motoneurons and Beyond*, Sydney, Australia. July 23-26, 2012. <https://www.motoneuronmeeting.org/wp-content/uploads/2011/11/abstracts.pdf>

19. Allen MD, **Dalton BH**, Power GA, Rice CL. Effect of aging on the relationship between knee angle and triceps surae power output. *Med Sci Sports Exerc* 44 (5S): 692, 2012. ACSM, San Francisco, CA. May 30-June 3, 2012.
20. Power GA, **Dalton BH**, Booth WJ, Rice CL, Vandervoort AA. Muscle damage and sex: Implications of rate of torque development on velocity-dependent power loss. *Med Sci Sports Exerc* 44 (5S): 633, 2012. ACSM, San Francisco, CA. May 30-June 3, 2012.
21. Power GA, Harwood B, **Dalton BH**, Rice CL. Motor unit recruitment and initial discharge rate of the elbow extensors: The triceps brachii and anconeus. Program no. 920.14 Abstract Viewer/Itinerary Planner. CD-ROM. Society for Neuroscience, Washington, DC. November 12-16, 2011.
22. **Dalton BH**, Harwood B, Power GA, Rice CL. Motor unit properties of the triceps surae during a sustained sub-maximal plantar flexion task. Program no. 920.16 Abstract Viewer/Itinerary Planner. CD-ROM. Society for Neuroscience, Washington, DC. November 12-16, 2011.
23. Allen M, **Dalton BH**, Power GA, Rice CL. Effect of knee angle on velocity-dependent power production of the triceps surae in young men. *Appl Physiol Nutr and Metab* 36: S299, 2011. CSEP, Quebec City, QC. October 19-22, 2011.
24. Power GA, **Dalton BH**, Booth WJ, Rice CL, Vandervoort AA. Preferential loss of velocity-dependent power at high loads following muscle damage. *Appl Physiol Nutr and Metab* 36: S346, 2011. CSEP, Quebec City, QC. October 19-22, 2011.
25. Power GA, **Dalton BH**, Booth WJ, Rice CL, Vandervoort AA. Rate of activation and torque development of velocity-dependent contractions following muscle damage. *Exercise Neuroscience Group*, Waterloo, ON. June 18-19, 2011. <http://www.wix.com/oeng2011/oeng2011>
26. Booth WJ, Barnett M, **Dalton BH**, McNeil CJ, Rice CL, Marsh GD. Leg muscle strength, area and contraction velocity in young, old and very old women. *Med Sci Sports Exerc* 43: S298, 2011. ACSM, Denver, CO. May 31-June 4, 2011.
27. Power GA, **Dalton BH**, Behm DG, Rice CL, Vandervoort AA, Doherty TJ. Preservation of motor unit number estimates (MUNEs) in masters runners is muscle dependent. *Med Sci Sports Exerc* 43: S295, 2011. ACSM, Denver, CO. May 31-June 4, 2011.
28. Power GA, **Dalton BH**, Rice CL, Vandervoort AA. Velocity-dependent power loss following lengthening contractions in young and old women. *Appl Physiol Nutr and Metab* 35: S83, 2010. CSEP, Toronto, ON. November 3-6, 2010.
29. **Dalton BH**, Harwood B, Power GA, Rice CL. Motor unit properties of the triceps surae. Program no. 180.5 Abstract Viewer/Itinerary Planner. CD-ROM. Society for Neuroscience, San Diego, CA. November 13-17, 2010.
30. Power, GA, **Dalton BH**, Vandervoort AA, Rice CL Doherty TJ. Motor unit number estimates in a proximal human upper limb muscle: An age-related reduction. Program no. 180.13 Abstract Viewer/Itinerary Planner. CD-ROM. Society for Neuroscience, San Diego, CA. November 13-17, 2010.

31. Power GA, **Dalton BH**, Rice CL, Vandervoort AA. Velocity-dependent power loss in the knee extensors of young and old men. *Med Sci Sports Exerc* 42: S281, 2010. ACSM, Baltimore, MD. June 2-5, 2010.
32. **Dalton BH**, Power GA, Vandervoort AA, Rice CL. Recovery from fatigue of velocity-dependent power in young and old men. *Med Sci Sports Exerc* 42: S281, 2010. ACSM, Baltimore, MD. June 2-5, 2010.
33. Power GA, **Dalton BH**, Rice CL, Vandervoort AA. Motor unit number estimates in masters runners: Use it or lose it? *23rd Annual Western Research Forum*. London, ON. February 27, 2010.
34. **Dalton BH**, Power GA, Rice CL. Velocity-dependent fatigability of the plantar flexors in young and old men. *Appl Physiol Nutr and Metab* 34: S22, 2009. CSEP, Vancouver, BC. November 11-14, 2009.
35. Harwood B, **Dalton BH**, McNeil CJ, Doherty TJ, Rice CL. Inter-limb variability of the estimated number of motor units in aged poliomyelitis survivors: a pilot study. *Appl Physiol Nutr and Metab* 34: S38, 2009. CSEP, Vancouver, BC. November 11-14, 2009.
36. Power GA, **Dalton BH**, Rice CL, Vandervoort AA. Power loss following velocity-dependent eccentric contractions of the ankle dorsiflexors. *Appl Physiol Nutr and Metab* 34: S74, 2009. CSEP, Vancouver, BC. November 11-14, 2009.
37. **Dalton BH**, Davidson AW, Harwood B, Rice CL. Recovery of motor unit discharge rates after high-intensity fatigue in young and old men. *Exercise Neuroscience Group*, London, ON. June 18-19, 2009. <http://www.wix.com/bradharwood/OENG-2009>
38. Power GA, **Dalton BH**, Rice CL, Vandervoort AA. Isotonic power loss following lengthening contractions of the dorsiflexors. *Exercise Neuroscience Group*, London, ON. June 18-19, 2009. <http://www.wix.com/bradharwood/OENG-2009>
39. **Dalton BH**, Davidson AW, Harwood B, Rice CL. High-intensity fatigue in the soleus of young and old men. *Med Sci Sports Exerc* 41: S559, 2009. ACSM, Seattle, WA. May 27-30, 2009.
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