



**ANNUAL REPORT**

**2009-2010**

**MCGILL UNIVERSITY**

**FACULTY OF EDUCATION**

**DEPARTMENT OF KINESIOLOGY**

**AND**

**PHYSICAL EDUCATION**

**SUBMITTED BY Theodore Milner, Ph.D.**

**PROFESSOR AND CHAIR**

**February 2011**

## **Section I - Description of Department of Kinesiology and Physical Education**

- The **mission** is to generate, advance, and disseminate knowledge about human health and physical activity, and to prepare professionals to engage in related employment.
- The **objectives** of the Department of Kinesiology and Physical Education are:
  1. To respect the diversity of the disciplinary bases and professional practices associated with Kinesiology and Physical Education, to encourage interdisciplinary endeavors, and promote collegiality.
  2. To engage in the creation and evaluation of ideas and knowledge about health and human physical activity and to communicate outcomes in peer reviewed outlets, scholarly conferences, and seminars.
  3. To encourage graduate students to participate in, and share their ideas at, scholarly conferences, to publish their own research, and to become co-authors/presenters.
  4. To offer a curriculum which views human movement from social-cultural, psychological, and biological perspectives and to offer depth in selected areas.
  5. To encourage creative and critical thinking in students through a problem-centered curriculum of high relevance which fosters group-work and debate.
  6. To facilitate students becoming independent learners in acquiring and evaluating knowledge as they mature as scholars and professionals who value life-long learning.
  7. To employ technology to facilitate and enhance learning.
  8. To facilitate experiential learning through practical courses and field placements which place priority on “linking theory to practice”.
  9. To value and foster continuing education opportunities for alumni and current professionals.

### ➤ **Academic staff**

Ross Andersen, Professor, active  
Gordon Bloom, Associate Professor, active  
Julie Côté, Assistant Professor, active  
Enrique Garcia, Assistant Professor, active  
William Harvey, Assistant Professor, active  
Theodore Milner, Professor, active  
David Pearsall, Associate Professor, active  
Hélène Perrault, Professor, active  
Dilson Rassier, Assistant Professor, active  
Greg Reid, Professor, active  
Catherine Sabiston, Assistant Professor, active  
Paul Stapley, Assistant Professor, active  
Tanja Taivassalo, Assistant Professor, active  
René Turcotte, Associate Professor, active

## **Section II - Achievements of the past year**

### ➤ **Highlights**

Two excellent faculty members were recruited in 2010 with starting dates of January 1, 2011. Dr. Dennis Jensen is a highly accomplished post-doctoral fellow whose research focuses on respiration and physical activity in both normal and pathological populations. Dr. Russell Hepple is an Alberta Heritage Senior Scholar with an outstanding research record, whose research focuses on physical activity and aging, particularly on factors that affect muscle health.

Faculty members continued to do well in securing research funding from all three of the tri-councils (CIHR, NSERC, SSHRC). Three grants from tri-councils were awarded in the past year to faculty members as principal investigators and another three to faculty members as co-investigators. In addition, two grants were awarded by provincial agencies (FRSQ and IRSST) and one CFI application was successful. This underscores the excellent research being conducted in the Department and the multi-disciplinary nature of Kinesiology and Physical Education.

The first phase of the new Research Center for Physical Activity, Health and Well-being, located in the Currie Gymnasium, was completed in the fall of 2010. Equipment has been installed and research projects are getting underway. In 2011, Dr. Ross Andersen, Dr. Tanja Taivassalo, Dr. Catherine Sabiston and Dr. Jensen will be actively engaged in research based in the center. A steering committee for the center has been formed with Dr. Andersen as director and Dr. Ted Milner (Department Chair), Dr. Taivassalo, Dr. Jensen, Dr. Sabiston and Dr. Hepple as members. The committee has been drafting policies and procedures for governance and use of the research center, as well as working on the case for support to raise additional funds for equipment, operations and a second phase of development. Research at the center will focus on the benefits of physical activity in maintaining and improving health. Because of the widespread interest among health researchers at McGill University for a center of this nature we envision that research conducted at the center will involve collaboration from many different departments across campus. As part of our departmental strategic plan we intend to develop research programs at the center related to the effects of physical activity and diet on health in the general population; clinical exercise practices and diet for the treatment of specific diseases; and physical activity and diet for healthy aging.

During the past two years, the Department has been actively engaged with the Conseil National de la Kinésiologie, a body with representatives from the Fédération de Kinésiologues du Québec (FKQ) and all Kinesiology programs at Quebec universities. Dr. Julie Côté has represented McGill University at counsel meetings. The purpose of this counsel is twofold: first, to inform the universities of the range of services provided by kinesiologists in Quebec and the knowledge which they require and second, to provide a forum for communication between the universities and the FKQ about program content and development of new programs, with the objective of defining the scope of practice of kinesiologists in Quebec and ensuring that they receive training which is adequate for their responsibilities. Significant progress has been made in defining the competencies which Kinesiology graduates will be expected to have in order to be entitled to practice. The executive of the FKQ visited McGill University in October and discussed these requirements with representatives of the Department. It was agreed that the Department would review the content of the program in Kinesiology to ensure that it is consistent with the guidelines which the FKQ has established as a common standard for Kinesiology programs in Quebec. In addition, the Department expressed a desire to have the FKQ administer its certification exam for graduating Kinesiology students interested in being certified by the FKQ.

The Department continued to work on development of a new program in Clinical Exercise Practice, which is described in more detail in the section on Undergraduate Teaching and Learning. In conjunction with the preparation of this program a review of the content of current courses is being undertaken to document the courses covering the competencies expected of Kinesiology graduates by the FKQ.

The Department hosted the fifth and sixth annual David Montgomery Memorial Walk/Run in October 2009 and 2010, respectively, which raised \$3470 and \$2015 for the memorial fund. The funds are being used to create a graduate student award in the area of exercise physiology.

The Department facilitated the annual Association of Physical Educators of Quebec conference with former Professor Jennifer Wall providing financial assistance for keynote speakers Dr. Len Epstein in November 2009 and Dr. Mary O'Sullivan in November 2010.

Dr. Dilson Rassier and Dr. Paul Stapley were promoted to Associate Professor with tenure in 2010. Dr. Taivassalo, Dr. Enrique Garcia and Dr. Sabiston applied for tenure in 2010 and have been recommended for tenure and promotion to Associate Professor by the Departmental Tenure Committee.

Dr. Sabiston received a FRSQ chercheur boursier award in 2010. In addition, the significance and quality of her research was recognized by her selection as “Chercheur étoile 2010.” She was one of 5 outstanding young Quebec researchers selected in 2010 for this award.

The Department of Kinesiology and Physical Education will figure prominently in the recently created Bloomberg-Manulife Prize for Promotion of Active Health. Dr. Milner has the responsibility of recruiting members of the jury who will adjudicate the prize and establishing the terms of reference for awarding the prize. In addition, he is developing an effective strategy for publicizing the prize in the academic community. The Department will host a lecture to be delivered annually by the prize winner and will receive two Ph.D. Fellowships, valued at \$22,500 annually for the next 10 years. It is anticipated that events linked to the initial announcement of the prize and the annual lecture will focus attention on the research being conducted in the Department related to active health, particularly research being conducted in the new Research Center for Physical Activity, Health and Well-being.

As part of an effort to improve governance in the Department, an ad hoc Policies and Procedures Committee was given the mandate to develop a document on policies and procedures. This document will be presented to the Department in early 2011 for approval. This initiative also resulted in recommendations for regular review of the curriculum and creation of a committee to advise the chair on matters related to future directions.

The program in Physical Education will celebrate its 100<sup>th</sup> anniversary in 2012. A committee, chaired by Dr. Greg Reid, has been established to plan events associated with the celebration and to make recommendations for fund raising activities that could benefit the Department’s academic and research programs.

## ➤ **Teaching and Learning (undergraduate and graduate)**

### ▪ **Undergraduate**

#### **B.Sc. (Kinesiology)**

A total of 59 students graduated with a B.Sc. (Kinesiology) between September 2009 and December 2010. Of these, 52 students received the B.Sc. General and 7 students received the B.Sc. Honours in Kinesiology. We welcomed 51 new students into the program in the Fall Term of 2010.

In 2009, we revised the honours program by creating a 6-credit project course in addition to a 3-credit project proposal. This makes our honours program more research intensive and brings it in line with the top Kinesiology honours programs in Canada. The first students enrolled in the revised honours program will graduate in 2011.

We have developed the structure for a new program in Clinical Exercise Practices which will provide opportunities for students to obtain advanced training and practical experience in exercise prescription. It is envisioned that students completing this program would be qualified to sit the exams for certification by the American College of Sports Medicine (ACSM) as Clinical Exercise Specialists. Currently, we are reviewing our curriculum to ensure that all of the competencies required by the ACSM are covered and are working out the logistics of implementing a comprehensive 12-credit practicum course which would allow students to obtain the 500 hours of practical experience required by the ACSM. We have identified 5 venues for student placements which would expose students to a variety of clinical populations, including patients with cardiovascular, respiratory, metabolic and weight-control disorders, as well as cancer patients. The central venue will be the Research Center for Physical Activity, Health and Well-being. We expect to make initial student placements in the Fall and Winter Terms of 2011-12 using

existing 3-credit practicum courses, as a pilot run in anticipation of having the new program in place for the Fall Term of 2012.

### **B.Ed. (Physical and Health Education)**

A total of 47 students graduated with a B.Ed. (Physical and Health Education) between September 2009 and December 2010. We welcomed 44 new students into the program in the Fall Term of 2010.

Several initiatives have been undertaken to provide students in this program with courses that are tailored to their needs. Topics in biomechanics, functional anatomy and motor skills have been amalgamated in a single course (EDKP 208) which has allowed expansion of the number of topics that can be covered in the physiology course (EDKP 293). Students are also now being provided with instruction in basic statistics and research design to be better able to interpret published findings and to develop appropriate assessments for student learning. The physical activity curriculum was reviewed in 2009 by an ad hoc committee of faculty members teaching in this area. The committee made a series of recommendations for restructuring the curriculum which include elimination of physical activity courses that are no longer pertinent to the school curriculum in Quebec, modification of the skills component of other courses such as gymnastics to reflect the changing emphasis in school programs and development of new courses to provide students with better skills related to physical activity instruction. These changes to the program took effect in the Fall Term of 2010.

### **Cooperation with other teaching units at McGill and other institutions**

The Department of Kinesiology and Physical Education (KPE), continues to deliver its undergraduate program in partnership with several other units within the Faculty of Education and the McGill community. KPE offers EDKP 332 for students in the Department of Integrated Studies in Education, EDKP 206 to Physical and Occupational Therapy students and EDKP 395 and EDKP 485 to Physical Therapy students. In the Winter Term of 2010, we saw an increased demand from Physical and Occupational Therapy students for EDKP 396. The number of students who could be accommodated was increased by hiring additional teaching assistants.

We continued to work with the School of Dietetics and Human Nutrition for joint teaching of the course EDKP 292 Nutrition and Wellness, and NUTR 503 Bioenergetics and the Life Span. Vineet Johnson and Dr. Andersen were our departmental instructors for these shared courses. We also plan to include NUTR 344 Clinical Nutrition as a required course in the new Clinical Exercise Practices program.

Three of our faculty members (Dr. Rassier, Dr. Stapley and Dr. Taivassalo) participate in the teaching of a course in the Department of Physiology, PHGY 502. Dr. Rassier also participated in teaching PHGY 459.

A partnership with the Department of Anatomy is also on-going through Dr. David Pearsall, who has taken over teaching responsibilities for ANAT 315, a required course for Kinesiology students. This has allowed Kinesiology to have better access to anatomy laboratories and has resulted in the elimination of EDKP 205, which is no longer needed.

### **Quality of teaching**

Undergraduate and graduate course evaluations in the past year for which there was at least a 25% response rate indicate average scores for overall teaching ability of about 4.3 for full-time academic staff. There is consistently high quality of instruction in courses taught by full-time academic staff with very few exceptions.

- **Graduate**

**Master's**

There were 20 M.A. students and 28 M.Sc. students enrolled in our graduate program as of December 2010. 5 M.A. students and 9 M.Sc. students had their degrees conferred in 2010.

**Ph.D.**

The number of Ph.D. students enrolled in the Ad Hoc program has been increasing each year since 2004 when no students were enrolled. The most dramatic increases have occurred since 2006, when the program had 3 students enrolled. There were 19 Ph.D. students enrolled in the Ad Hoc program as of December 2010, up from 14 in 2009. In addition, there are 2 Ph.D. students enrolled in Biomedical Engineering who are supervised by a faculty member in the Department. We anticipate that the number will continue to increase in the coming years, particularly since our junior faculty are beginning to attract more Ph.D. applicants and because we recently hired two new faculty members who have strong research programs.

In an effort to attract the best Ph.D. students into our program we are participating in the development of an interdisciplinary Ph.D. in Health Science in co-operation with the School of Physical and Occupational Therapy, the Faculty of Dentistry, the Department of Family Medicine and the School of Nursing. A draft proposal for this program was completed in 2010.

➤ **Funding**

We have undertaken to increase the funding available to graduate students by creating departmental awards which are being offered to the best incoming students. It is anticipated that a number of these students will be able to successfully apply for provincial and national scholarships to provide some of their financial support for subsequent years. As evidence that we are attracting excellent graduate students to our program, 6 of our doctoral students and 6 of our Master's students are currently funded by fellowships from national or provincial granting agencies.

**Cooperation with other teaching units at McGill and other institutions**

Dr. Catherine Sabiston participates in the teaching of a graduate course in the Department of Social and Preventative Medicine, MSO 6024 and in a graduate course in the Department of Nursing, NUR2 783.

We are investigating the possibility of developing a Master's program with the Department of Dietetics and Nutrition which would incorporate courses from both departments.

➤ **Research**

The total amount of peer-reviewed funding received by the 14 faculty members as principal or co-investigators for grants which were active in 2010 was \$10,202,059, including 3 large CIHR team grants. Tri-councils grants in which faculty members were the principal investigators accounted for \$2,886,507 while grants from Quebec funding agencies accounted for \$200,429. The amounts received for the 2009-2010 instalment are listed in **Appendix II**.

➤ **Publications**

**Appendix III** is a list of publications and professional activities for each faculty member. The complete list of publications can be accessed at the following URL: [www.mcgill.ca/edu-kpe/reports/](http://www.mcgill.ca/edu-kpe/reports/)

**Appendix IV** indicates the total number of publications and presentations in 2009 and 2010. The total number increased from 89 to 140 between 2009 and 2010. This included an increase in the number of peer-reviewed journal publications from 33 to 46. It is noteworthy that the number of conference presentations increased from 48 to 80, indicating that students are being encouraged to present their work at conferences and at the same time bringing the Department greater visibility both nationally and internationally. The number of publications represents a continuing upward trend over the past years. The number of publications and presentations will likely continue to increase in the future as labs and research programs develop and expand.

➤ **Consulting activities**

Consulting activities are listed in **Appendix V**.

➤ **Involvement in the community**

The department maintains close links with the Association of Physical Educators of Quebec (APEQ) and is actively involved in hosting and contributing to the annual meeting of the association, usually in the fall. Drs. Bloom, Harvey, and Garcia sit on the executive of APEQ as McGill representatives.

Professionally relevant community service of individual faculty members is listed in **Appendix VI**.

### Appendix I: Honours, Awards and Prizes

Faculty Member	Awards	Editorial Boards	Reviewer - Journals & Granting Agencies
Ross Andersen	<ul style="list-style-type: none"> <li>• Appointed to the NIH College of CSR Reviewers. (Feb 27, 2010)</li> <li>• Appointed to ACSM task force to develop standards for Physicians treating obesity</li> </ul>	<ul style="list-style-type: none"> <li>• Medical Advisory Board for DARPA Revolutionizing Prosthetics program</li> </ul>	<ul style="list-style-type: none"> <li>• American Journal of Health Promotion, reviewer</li> <li>• American Journal of Preventive Medicine, reviewer</li> <li>• Annals of Internal Medicine, reviewer</li> <li>• Medicine Science in Sports and Exercise Health Reports (Canada), reviewer</li> <li>• Journal of Physical Activity and Health, reviewer</li> <li>• Journal of Preventive Medicine, reviewer</li> <li>• Journal of the American Geriatrics Society, reviewer</li> <li>• NIH Study Section PRPD, Grant Reviewer</li> </ul>
Gordon Bloom		<ul style="list-style-type: none"> <li>• Journal of Sport Behavior, Associate Editor</li> <li>• International Journal of Coaching Science, Associate Editor</li> <li>• Journal of Applied Sport Psychology, Editorial Board Member</li> <li>• Canadian Sport Psychology Association, Executive Committee Member</li> </ul>	<ul style="list-style-type: none"> <li>• The Sport Psychologist, reviewer</li> <li>• International Journal of Sport Psychology, reviewer</li> <li>• International Journal of Sport &amp; Exercise Psychology, reviewer</li> <li>• Research Quarterly for Exercise and Sport, reviewer</li> <li>• European Journal of Sport Science, reviewer</li> <li>• Group Dynamics, reviewer</li> <li>• Journal of Sports Sciences, reviewer</li> <li>• SSHRC Grant, reviewer</li> <li>• Physical Education and Sport Pedagogy, reviewer</li> </ul>
Julie Côté	<ul style="list-style-type: none"> <li>• Manual Therapy /Elsevier award for Best interactive poster presentation, 3<sup>rd</sup> International Conference on Movement Dysfunction, Edinburgh, Scotland, October 2009</li> </ul>		<ul style="list-style-type: none"> <li>• Evaluation committee, PhD scholarship applications, FQRSC, committee: Psychology, Kinanthropology and Ergonomic scholarships</li> <li>• Evaluation committee, grant applications (clinical research), REPAR</li> <li>• Evaluation committee, grant applications, RRSSTQ</li> <li>• Evaluation committee, post-doctoral fellowship applications (clinical research), FRSQ</li> <li>• External evaluator ad hoc, NSERC Discovery grants</li> <li>• External evaluator ad hoc, IRSST research grant applications, IRSST reports</li> <li>• Reviewer (ad hoc): Clinical Biomechanics ; Human Movement Sciences ; Applied Ergonomics ; Journal of Biomechanics , Ergonomics</li> </ul>



			<ul style="list-style-type: none"> <li>• Member, external committee for the review of UQTR research chair for chiropractic research</li> </ul>
Enrique Garcia		<ul style="list-style-type: none"> <li>• Education section of <i>Ikastaria Journal</i>, edited by the Society of Basque Studies <i>Eusko Ikaskuntza</i>. (New-November 2010), member</li> <li>• <i>Retos. Nuevas tendencias en Educación Física, Deporte y Recreación</i> [Challenges: New Tendencies in Physical Education, Sport, and Recreation] (Continuing-May 2009), member</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Journal of Adolescence</i>, reviewer</li> <li>• <i>Journal of Adolescent Health</i>, reviewer</li> <li>• <i>Journal of Physical Activity and Health</i>, reviewer</li> <li>• <i>International Journal of Behavioral Nutrition and Physical Activity</i>, reviewer</li> <li>• <i>Research Quarterly for Exercise and Sport</i>, reviewer</li> <li>• <i>Journal of Sport and Exercise Psychology</i>, reviewer</li> <li>• <i>Psychology of Sport and Exercise</i>, reviewer</li> <li>• <i>The Sport Psychologist</i>, reviewer</li> <li>• <i>Revista Mexicana de Psicología</i> [Mexican Journal of Psychology], reviewer</li> <li>• <i>Asia Pacific Journal of Education</i>, reviewer</li> <li>• <i>Retos. Nuevas tendencias en Educación Física, Deporte y Recreación</i>, reviewer</li> <li>• [Challenges: New Tendencies in Physical Education, Sport, and Recreation], reviewer</li> <li>• 2 SSHRC standard grant applications, 2 reviewer</li> </ul>
William Harvey			<ul style="list-style-type: none"> <li>• Research Associate Appointment. Clinical Research Division, Douglas Mental Health University Institute</li> <li>• Scientific Advisory Committee Physical Literacy Assessment Tool. Healthy Active Living and Obesity (HALO) Research Group, Children's Hospital of Eastern Ontario Research Institute (CHEO).</li> <li>• Scientific Advisory Committee Fonds Québécois de recherche sur la société et la culture (FQRSC). Evaluation of grant proposals for "Les facteurs sociaux, culturels, et environnementaux pour prévenir l'apparition des problèmes de poids. Programme Actions concertées. .</li> <li>• <i>Adapted Physical Activity Quarterly</i>, reviewer</li> <li>• <i>Physical Education and Sport Pedagogy</i>, reviewer</li> <li>• <i>Preventive Medicine</i>, reviewer</li> <li>• <i>Canadian Journal of Public Health</i>, reviewer</li> <li>• <i>International Journal of Disability, Education and Developmental Disorders</i>, reviewer</li> </ul>
Ted Milner	Honorary Professor,		<ul style="list-style-type: none"> <li>• <i>Journal of Neurophysiology</i>, reviewer</li> </ul>

	University of Queensland		<ul style="list-style-type: none"> <li>• Experimental Brain Research, reviewer</li> <li>• IEEE Transactions on Neural Systems and Rehabilitation, reviewer</li> <li>• NSERC Discovery Grant reviewer</li> <li>• European Commission, FP7 Brain Inspired IT program expert</li> <li>• European Commission, FP6 SENSOPAC final project review expert</li> <li>• European Commission, FP7 STIFF annual project review expert</li> </ul>
David Pearsall			<ul style="list-style-type: none"> <li>• Canadian Journal of Sports Medicine, reviewer</li> <li>• European Journal of Sports Science, reviewer</li> <li>• Medicine &amp; Science in Sports &amp; Exercise, reviewer</li> <li>• Journal of Biomechanics, reviewer</li> <li>• Journal of Applied Biomechanics, reviewer</li> <li>• Journal of Sports Engineering &amp; Technology, reviewer</li> <li>• Sport Biomechanics, reviewer</li> <li>• Journal of Sports Science, reviewer</li> <li>• Trans. on Neural Systems &amp; Rehabilitation Engineering, reviewer</li> </ul>
Dilson Rassier	Chercheur Bouriser from FRSQ		<ul style="list-style-type: none"> <li>• Journal of Theoretical Biology, reviewer</li> <li>• Journal of Applied Physiology, reviewer</li> <li>• Journal of Biomechanics, reviewer</li> <li>• American Journal of Physiology, reviewer</li> <li>• Computer Methods in Biomechanics and Biomedical Engineering, reviewer</li> <li>• Scandinavian Journal of Medicine and Science in Sports, reviewer</li> <li>• Journal of Molecular and Cellular Cardiology, reviewer</li> <li>• Journal of Physiology, Molecular and Cellular Cardiology, reviewer</li> <li>• Biomechanics of Skeletal Muscle," book by Vladimir Zatsiorsky and Boris Prilutsky, to be published by Human Kinetics Publishers, reviewer</li> </ul>
Greg Reid		<ul style="list-style-type: none"> <li>• International Federation of Adapted Physical Activity, Fellow, one of four original persons so inducted 2010.</li> <li>• North American Society of Health, Physical Education, Recreation, Sport, and Dance, Elected Fellow</li> <li>• Adapted Physical Activity Quarterly, Emeritus Editor and Board Member</li> <li>• North American Federation of Adapted Physical Activity, Symposium 2010 Riverside, CA,</li> </ul>	<ul style="list-style-type: none"> <li>• Adapted Physical Activity Quarterly, reviewer</li> <li>• McGill Journal of Education, reviewer</li> <li>• International Journal of Disability Development and Education, reviewer</li> <li>• ICHER-SD Journal of Research, reviewer</li> </ul>

		Member of Scientific Committee	
C. Sabiston	<ul style="list-style-type: none"> <li>• Chercheur Boursier I - Santé et Société, Fonds de la recherche en santé Québec. [new investigator award]</li> <li>• Chercheur étoile 2010, Ça mérite d'être reconnu! Conférence des recteurs et des principaux des universités du Québec, Rendez-vous de Savoir. [1 of 5 top young researchers in Quebec]</li> </ul>	<ul style="list-style-type: none"> <li>• Sport, Exercise and Performance Psychology journal (American Psychological Association Division 47 new journal, first issue in 2012), Editorial Board Member</li> <li>• Journal of Sport &amp; Exercise Psychology, Editorial Board Member</li> </ul>	<ul style="list-style-type: none"> <li>• Journal of Sport &amp; Exercise Psychology, Research Reviewer and Digest Contributor</li> </ul>
Paul Stapley			<ul style="list-style-type: none"> <li>• Journal of Neurophysiology , reviewer</li> <li>• Journal of Neuroscience , reviewer</li> <li>• Cerebral Cortex , reviewer</li> <li>• European Journal of Neuroscience, reviewer</li> <li>• Experimental Brain Research, reviewer</li> <li>• Clinical Neurophysiology, reviewer</li> <li>• Gait and Posture, reviewer</li> <li>• Archives of Physical and Medical Rehabilitation, reviewer</li> <li>• Medicine and Science in Sports and Exercise, reviewer</li> <li>• Clinical Biomechanics, reviewer</li> <li>• Motor Control, reviewer</li> <li>• Brain Research, reviewer</li> <li>• Age, reviewer</li> </ul>
Tanya Taivassalo	<ul style="list-style-type: none"> <li>• Chercheur Boursier from FRSQ, for research grant entitled "Aspects physiologique et moléculaire de l'intolérance à l'exercice et de l'entraînement physique des patients porteurs de myopathies mitochondriales "</li> </ul>		

**Appendix II: Annual Academic Staff Research Funding**

<b>Granting Agency (Operating Grants)</b>	<b>2009-2010</b>
SSHRC PI: Gordon Bloom Co-investigators: T. Loughead, G. Reid Project Title: A team building intervention to enhance the sport environment of elite athletes with a physical disability	36,319
SSHRC PI: P. Sullivan Co-Investigators: N. Holt, G. Bloom Project title: The effect of coaching in youth sport	32,109
SSHRC PI: Gordon Bloom Project title: The development of an inventory to measure athlete leadership	30,780
Australian Research Council PI: Sterling Co-Investigators: 5 centers internal Project title: The prediction of outcome following whiplash injury - an international multicentre prospective longitudinal study	20,300
NSERC Discovery PI: Côté Project title : Biomechanical analysis of arm-trunk coordination during repetitive motion	23,700
FQRSC (Scholar Start-up) PI: E. Garcia Project title: Interpersonal Relations, Learning Activities, and Adolescents' Sport Motivation	15,000
SSHRC PI: Dr. Catherine Gray-Donald Co-Investigators: M. Cargo, E. Garcia, Lucie Levèque Project title: Evaluation of Mentors in Motion In-School: A healthy lifestyle intervention promoting psychosocial adjustment and physical activity in at-risk youth	35,000
SSHRC PI : J. Cortlett Co-Investigators : J. Mandigo, E.Garcia Project title: Preventing Youth Violence in El Salvador: The role of new graduate teachers of innovative physical education	21,059
SSHRC/Sports Canada PI: William Harvey Co-Investigators: N. Grizenko, F. Delamere Project title: Children with Attention-Deficit Hyperactivity Disorder and Physical Activity Behaviour	44,207
FQRSC: Le programme Établissement de nouveaux professeurs-chercheurs PI : William Harvey Project title: What motivates the motivators: Exploring PE teacher training and practice.	13,200

SSHRC/Sports Canada PI: James Gavin Co-Investigator: W. Harvey Project title: Matching activities to personal style (MAPS): Developing a physical activity guidance system for high school students	40,000
CIHR PI: Theodore Milner Project title: Efficacy of robot-assisted rehabilitation of hand function alter stroke.	68,838
NERC PI: Theodore Milner Project title: Adaptive control of muscle mechanics	44,000
NSERC (CRD) Bauer Corp PI: David Pearsall Co-investigators: R. Turcotte, C. Sabiston Project title: Mechanics of Ice Hockey Equipment	156,400
NSERC PI: Dilson Rassier Project title: Stretch forces in skeletal muscle myofibrils and myosin molecules	25,000
FRSQ PI: Dilson Rassier Project title: Les forces moléculaires produites pendant le muscle étiré et le mécanisme de base de la contraction	101,174
CIHR PI: Dilson Rassier Project title : High-precision system to investigate the load dependence of skeletal muscle myosin	40,939
CIHR PI: Dilson Rassier Project title: The power stroke of skeletal muscle myosin and the molecular mechanisms of contraction	16,061
CIHR PI: Dilson Rassier Project title: Mechanisms underlying the sarcomere length dependence of force and muscle activation	21,312
CIHR PI: Dilson Rassier Project title: Mechanisms underlying the sarcomere length dependence of force and muscle activation" Priority announcement	100,000
CIHR PI: Dilson Rassier Project title: Mechanisms underlying the sarcomere length dependence of force and muscle activation. Priority announcement	96,115
CIHR PI: Catherine Sabiston Co-investigators: O'Loughlin J, Wrosch, C. Project title : Physical activity among breast cancer survivors: Understanding the impact on biological risk factors and psychological health over time.	152,252

SSHRC PI: Catherine Sabiston Co-investigators: Mack, P.E., Wilson P.M., Crocker P.R.E., Kowalski, K.C. Project title: Physical self-conscious emotions: exploring contexts, processes and health outcomes.	28,337
FRSQ PI: Catherine Sabiston Project title: Compréhension des comportements de santé et des émotions chez des adolescents: la prise en compte des influences sociales, des représentations de soi physiques contradictoires et des perceptions de soi.	13,476
SSHRC PI: Kowalski, K.C. Co-investigators: Sabiston, C.M., Crocker, P.M.E., Sedgwick, W.A., Tracy, J.L. Project title: The role of self-compassion in adolescent women athletes' experience of self-conscious emotions.	35,060
NSERC PI : Paul Stapley Project title : Coordination of posture and voluntary movement'	24,275
CIHR PI : Trevor Drew Co-investigator: Paul Stapley Project title: Brainstem control of movement and posture in the cat	188,371
CIHR PI : Tanja Taivassalo Project title : Exercise-induced upregulation of mitochondrial gene expression: Therapeutic strategies for mitochondrial disease	80,312
NSERC PI: Tanja Taivassalo Project title: Regulation of the exercise oxygen cascade in humans: clues from mutant muscle mitochondria	28,000
NIH PI: Ronald Haller Co-investigator: Tanja Taivassalo Project title: Exercise adaptations in mitochondrial myopathy: therapeutic implications	88,000
<b>TOTAL :</b>	<b>1,617,596</b>
<b>Granting Agency (Training Grants)</b>	
CIHR Strategic Training Initiative in Health Research (PI: Loiselle) Co-investigators: Sabiston, C.M. and 30 others Project title: Psychosocial oncology research training	325,000

CIHR Strategic Training Initiative in Health Research (PI: Cameron) Co-investigators: Sabiston, C.M. and 58 others Project title: Pan Canadian strategic training in population intervention research for chronic disease prevention	325,000
<b>TOTAL:</b>	<b>650,000</b>
<b>Granting Agency (Team Grants)</b>	
CIHR Emerging Team in Gender, Sex and Health PI: Mergler (UQAM) Co-investigators: Côté, J. and 15 others Project title: Integrating gender and sex in health and environment research: development of new methodology	200,000
<b>TOTAL:</b>	<b>200,000</b>
<b>Granting Agency (Contracts)</b>	<b>2009-2010</b>
Centre National Multisport - Montreal (CNMM)	10,000
BTemia Research	9,800
IRSST	70,000
<b>TOTAL:</b>	<b>89,800</b>

### Appendix III: Publications

#### Refereed Journal Articles

##### ANDERSEN, Ross

D.A., Reilley S.M., Walston J.D., **Andersen R.E.** Maximal Heart Rate Prediction in Adults that are Overweight or Obese. Franckowiak S.C., Dobrosielski *J Strength Cond Res.* 2010 Nov 24

Kuspinar A., **Andersen R.E.**, Teng SY, Asano M, Mayo NE Predicting exercise capacity through submaximal fitness tests in persons with multiple sclerosis.. *Arch Phys Med Rehabil.* 2010 Sep; 91(9):1410-7

Gilstad J.R, Gurbel P.A., **Andersen R.E** Relationship between age and platelet activation in patients with stable and unstable angina.. *Arch Gerontol Geriatr.* 2009 Mar-Apr; 48(2):155-9.

**Andersen R.E.**, Jakicic J. M. Interpreting the physical activity guidelines for health and weight management. *J Phys Act Health.* 2009 Sep; 6(5):651-6

Craig C.L., Cameron C., Griffiths J., Bauman A., Tudor-Locke C., **Andersen R.E.** Non-response bias in physical activity trend estimates. *BMC Public Health.* 2009 Nov 22; 9:425

##### BLOOM, Gordon

Hassell, K., Sabiston, C.M, & **Bloom, G.A.** Exploring the multiple dimensions of social support among elite female adolescent swimmers. *International Journal of Sport Psychology*, v. 41 (4), 2010, pp. 340-359.

Wilson, L.M, **Bloom, G.A.**, & Harvey, W.J. (2010). Sources of knowledge acquisition: Perspectives of the high school teacher/coach. *Physical Education and Sport Pedagogy*, 15 (4), 383-399.

Seymour, H., Reid, G., & **Bloom, G.A.**. Friendship in inclusive physical education. *Adapted Physical Activity Quarterly*, v. 26 (3), 2009, pp. 201-219.

Carter, A.D., & **Bloom, G.A.** Coaching knowledge and success: Going beyond athletic experiences. *Journal of Sport Behavior*, v. 32 (4), 2009, pp. 419-437.

### CÔTÉ, Julie

**Côté, J.N.**, and Hoeger Bement, M. Update on the Relation Between Pain and Movement: Consequences for Clinical Practice. *Clinical Journal of Pain*, v. 26, no. 9, 2010, pp. 754-62.

Lomond, K.V., and **Côté, J.N.** Movement timing and reach to reach variability during a repetitive reaching task in persons with chronic neck/shoulder pain and healthy subjects. *Experimental Brain Research*, v. 206, no. 3, 2010, pp. 271-82.

Audette, I., Dumas, J.P., **Côté, J.N.**, and De Serres, S.J.) Validity and Between-Day Reliability of the Cervical Range of Motion (CROM) Device. *Journal of Orthopaedic & Sports Physical Therapy*, v. 40, no. 5, 2010, pp. 318-23.

Emery, K., McMillan, A., De Serres, S.J., and **Côté, J.N.** The effects of a Pilates training program on arm-trunk posture and movement. *Clinical Biomechanics*, v. 25, no. 2, 2010, pp. 124-30.

Rivest, K., **Côté, J.N.**, Dumas, J.P., Sterling, M., and De Serres, S.J. Relationships between pain thresholds, catastrophizing and gender in acute whiplash injury. *Manual Therapy*, v. 15, no. 2, 2010, pp. 154-159.

St-Onge, N., **Côté, J.N.**, Patenaude, I., and Fung, J. A paradigm to assess postural responses triggered by anteroposterior translations in healthy seated individuals. *Gait and Posture*, v. 30, no. 4, 2009, pp. 417-23.

Fuller, J., Lomond, K., Fung, J., and **Côté, J.N.** Posture-movement changes following repetitive motion-induced shoulder muscle fatigue. *Journal of Electromyography and Kinesiology*, v. 19, no. 6, 2009, pp. 1043-52.

**Côté, J.N.**, Patenaude, I., St-Onge, N., and Fung, J. Whiplash-associated disorders affect postural reactions to antero-posterior support surface translations during sitting. *Gait and Posture*, v. 29, no.4, 2009, pp. 603-11.

Pearson, I., Reichert, A., De Serres, S.J., Dumas, J.P., and **Côté, J.N.** Maximal voluntary isometric neck strength deficits in adults with whiplash-associated disorders and association with pain and fear of movement. *Journal of Orthopaedic & Sports Physical Therapy*, v. 39, no. 3, 2009, pp. 179-187.

### GARCIA, Enrique

**García Bengoechea, E.**, Sabiston, C. M., Ahmed, R., & Farnoush, M. (2010). Exploring links to unorganized and organized physical activity during adolescence: The role of gender, socioeconomic status, weight status, and enjoyment of physical education. *Research Quarterly for Exercise and Sport*, 81, 7-16.

Ruiz Juan, F., **García Bengoechea, E.**, García Montes, M.E. & Bush, P. L. (2010). Role of individual and school factors in physical activity patterns of secondary-level Spanish students. *Journal of School Health*, 80, 88-95.



**HARVEY, William**

**Harvey, W.J.**, Delamere, F.M., Prupas, A., & Wilkinson, S. (2010). Physical activity, leisure, and health for persons with mental illness. *PALAESTRA*, 25(2), 36-53.

Wilson, L.M., Bloom, G.A., & **Harvey, W.J.** (2010). Sources of Knowledge Acquisition: Perspectives of the High School Teacher/Coach. *Physical Education and Sport Pedagogy*, 15, 1-17.

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**MILNER, Theodore**

Dovat L., Lambercy O., Salman B., Johnson V., **Milner T.**, Gassert R., Burdet E. and Teo C.L.. (2010) A technique to train finger coordination and independence after stroke. *Disability Rehab: Assistive Tech* 5: 279-287

Burdet E., Tee K.P., Franklin D., Kawato M. and **Milner T.** (2010) Concurrent adaptation of force and impedance in the redundant muscle system. *Biol. Cybern.* 102: 31-44

**Milner, T.E.**, Lai, E.J. and Hodgson, A.J. (2009) Modulation of arm stiffness in relation to instability at the beginning or the end of goal-directed movements. *Motor Control* 13: 454-470

Chapman, A.R., Vicenzino, B., Hodges, P.W., Blanch, P., Hahn, A. and **Milner, T.E.** (2009) A protocol for measuring the direct effects of cycling on neuromuscular control of running in triathletes. *J. Sport Sci.* 27: 767-782

**PEARSALL, David**

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Stidwill T.J., Turcotte R., **Pearsall D.J.**, (2010) Comparison of Skating Kinetics and Kinematics on Ice and on a Synthetic Surface, *Sport Biomechanics* 9(1): 57-64.

Dixon P., **Pearsall D.J.** (2010) Gait Dynamics on a Cross-Slope Walking Surface, *Journal of Applied Biomechanics*, 26, 17-25.

Ouckama R., **Pearsall D.J.** (2010) Evaluation of a Flexible Force Sensor for Measurement of Helmet Foam Impact Performance. *Journal of Biomechanics*, published online  
<http://dx.doi.org/10.1016/j.jbiomech.2010.11.035>.

**Pearsall D.J.** and Dowler P. (2009) A Longitudinal Study of Hockey Helmet Shelf Life, Safety in Ice Hockey Fifth Volume, *Journal of ASTM International Selected Technical Papers*, ASTM STP 1516, R. Greenwald and A.B. Ashare, Editors, *American Society for Testing and Materials*, West Conshohocken, PA, 99-106.

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#### **PERRAULT, H  l  ne**

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#### **RASSIER, Dilson**

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Minozzo, F., **Rassier D.E.** Effects of blebbistatin and Ca<sup>2+</sup> concentration on the force produced during stretch of single muscle fibers. *American Journal of Physiology – Cell Physiology* 299(5):C1127-1135, 2010.

Pun, C., Syed, A., **Rassier, D.E.** History-dependent properties of skeletal muscle myofibrils contracting along the ascending limb of the force-length relationship. *Proceedings of the Royal Society of London B* 277:475-484, 2010.

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### SABISTON, Catherine

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**Sabiston, C. M.**, Brunet, J., Kowalski, K. C., Wilson, P., Mack, D. E. & Crocker, P. R. E. (2010). The role of body-related self-conscious emotions in motivating women's physical activity. *Journal of Sport & Exercise Psychology*, 32, 417-437. [lead article]

Barnett, T. A., O'Loughlin, J., **Sabiston, C. M.**, Karp, I., Belanger, M., Van Hulst, A., & Lambert, M. (2010). Teens and Screens: The influence of screen-time on adiposity in adolescents. *American Journal of Epidemiology*, 172, 255-262.

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**Sabiston, C. M.**, Rusticus, S., Brunet, J., McDonough, M., Hadd, V., Hubley, A., & Crocker, P. (2010). Does an experience with breast cancer alter the measurement of body image? Testing the invariance of the MBSRQ with healthy women and breast cancer survivors. *Quality of Life Research*, 19, 1171-1180.

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**Sabiston, C. M.** & Munroe-Chandler, K. J. (2010). Effects of fitness advertising on weight and body shape satisfaction, social physique anxiety, and exercise motives. *Journal of Applied Biobehavioral Research*, 14, 165-180.

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**Sabiston, C. M.** (2009). We are what we (think) we eat. *Journal of Adolescent Health*, 45, 3-5. [invited editorial]

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**Sabiston, C. M.**, Castonguay, A., Barnett, T., O'Loughlin, J., Lambert, M. (2009). Body image and C-reactive protein in adolescents. *International Journal of Obesity*, 33, 597-600.

**Sabiston, C. M.**, McDonough, M. H., Sedgwick, W. A., Crocker, P. R. E. (2009). Muscle gains and emotional strains: Conflicting experiences of change among overweight women participating in an exercise intervention program. *Qualitative Health Research*, 19, 466-480.

Brunet, J. & **Sabiston, C. M.** (2009). Examining the relationship between social physique anxiety and physical activity: a self-determination perspective. *Psychology of Sport & Exercise*, 10, 329-335.

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**STAPLEY, Paul**

Lepers R, **Stapley PJ** (2010) Differences in gender and performance in Off-road triathlon. *Journal of Sports Sciences* 28 (14): 1555-1562

Vedula S, Kearney R.E., Wagner R., **Stapley P.J.** (2010) Decoupling of stretch reflex and background muscle activity during anticipatory postural adjustments in humans. *Experimental Brain Research* 205 (2): 205-213

Trivedi H., Leonard J.A., Ting L.H., **Stapley P.J.** (2010) Postural responses to unexpected perturbations of balance during reaching. *Experimental Brain Research*.

Chapman A.R., Hodges P.W., Hahn A., Briggs A.M., **Stapley P.J.**, Vicenzino B. (2010) Neuromuscular control and exercise-related leg pain in triathletes. *Medicine and Science in Sports and Exercise* 42 (2): 233-243

Leonard J.A., Brown R.H., **Stapley P.J.** (2009) Reaching to multiple targets when standing: The spatial organization of feed-forward postural adjustments. *Journal of Neurophysiology* 101 (4): 2120-2133

**Stapley P.J.**, Drew T. (2009) The pontomedullary reticular formation contributes to the compensatory postural responses observed following removal of the support surface in the standing cat. *Journal of Neurophysiology* 101 (3): 1334-1350

**TAIVASSALO, Tanja**

Naimi A.I., Bourbeau J., Perrault H., Baril J., Wright-Paradis C., Rossi A., **Taivassalo T.**, Sheel A.W., Rabøl R., Dela F., Boushel R. Altered mitochondrial regulation in quadriceps muscles of patients with COPD. *Clinical Physiology and Functional Imaging*, DOI:10.1111/j.1475-097X.2010.00988.x October 3, 2010

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**TURCOTTE, René**

Stidwill T.J, Pearsall D.J., Dixon P., **Turcotte R.**, Force Transducer System for Measurement of Ice Hockey Skating Force, *Sports Engineering* 12:63–68, 2010

M-Paquette Y., Pearsall D.J., **Turcotte R.A.** Predictors of scoring accuracy: ice hockey wrist shot mechanics *Sports Engineering* 11: 75-84, 2009.

### Published Abstracts

#### **HARVEY, William**

**Harvey, W.J.**, & Panou, P. (2010). Perceptions of Physical and Health Education Teachers on Including Children with Behavioral Difficulties in the Gymnasium. *PHENex Journal / Revue phénEPS*, 2, 4.

**Harvey, W.J.**, Pressé, C., Wilkinson, S., Jooper, R., & Grizenko, N. (2010). Parent Views on Physical Activity and Their Child with ADHD. *PHENex Journal / Revue phénEPS*, 2, 4.

Pressé, C., Wilkinson, S., **Harvey, W.J.**, Lussier-Price, J., Jooper, R., & Grizenko, N. (2010). Scrapbook interviewing about physical activity: Comparing consecutive and concurrent techniques. *PHENex Journal / Revue phénEPS*, 2, 6.

Thomson, J., & **Harvey, W.J.** (2010). What Does the Job of a CÉGEP Physical and Health Education Teacher Entail? *PHENex Journal / Revue phénEPS*, 2, 9.

Wilkinson, S., **Harvey, W.J.**, Pressé, C., Jooper, R., & Grizenko, N. (2010). The Physical Activity Voices of Children with ADHD. *PHENex Journal / Revue phénEPS*, 2, 9.

### Refereed Conference Proceedings/Presentations

#### **ANDERSEN, Ross**

**Andersen, R.** *Communication and Public Information Colloquium*. Invited Lecture ACSM National Meeting, June 2010, Baltimore, MD.

Smith, E., **Andersen, R.E.**, Ramirez-Marrero, F.A., Crespo, C.J. Vitamin D, frailty and mortality in older adults. *Society for Epidemiologic Research Annual Meetings*, March 15, 2010, Seattle, WA.

#### **BLOOM, Gordon**

**Bloom, G.A.**, Bucci, J., Bloom, G.A., & Loughhead, T.M. The importance of athlete leadership from a coach's perspective. Poster presented at the annual Sport Leadership Coaching Research Symposium, Ottawa, Ontario. (November, 2010).

Sullivan, P., Holt, N., & **Bloom, G.** Coaching confidence and athlete perceptions of effective youth sport coaching. Poster presented at the annual Sport Leadership Coaching Research Symposium, Ottawa, Ontario. (November, 2010).

Falcao, W., **Bloom, G.A.**, & Gilbert, W.D. Using positive youth development through sport to promote the United Nations Millennium Development Goals. Paper presented at the 41<sup>st</sup> annual conference of the Canadian Society for Psychomotor Learning and Sport Psychology (SCAPPS), Ottawa, Ontario. (October, 2010).

Sullivan, P., Whitaker-Campbell, T., Holt, N., & **Bloom, G.** Validating a scale of youth sport coaching effectiveness. Paper presented at the 41<sup>st</sup> annual conference of the Canadian Society for Psychomotor Learning and Sport Psychology (SCAPPS), Ottawa, Ontario. (October, 2010).

Falcao, W., **Bloom, G.A.**, & Gilbert, W.D. The role of the youth sport coach in helping to address the United Nations Millennium Development Goals. Paper presented at the 14<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Montreal, Quebec. (March, 2010).

Bucci, J., **Bloom, G.A.**, & Loughead, T.M. Coaches' perceptions of athlete leadership. Paper presented at the 14<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Montreal, Quebec. (March, 2010).

Cormier, M., **Bloom, G.A.**, & Harvey, W.J. A proposed study on cohesion and coaching behaviours of university coaching sport coaches. Paper presented at the 14<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Montreal, Quebec. (March, 2010)

Gesualdo, S., Loughead, T.M., & **Bloom, G.A.** Investigating the role of gender on athlete leadership and coaching behaviours. Paper presented at the 14<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Montreal, Quebec. (March, 2010).

Banack, H., & **Bloom, G.A.** Promoting long term athlete development through the National Coaching Certification Program. Poster presented at the annual Sport Leadership Coaching Research Symposium, Vancouver, British Columbia. (November, 2009).

Sullivan, P., Paquette, K., Holt, N., & **Bloom, G.A.** Coaching behaviors in different youth sport contexts. Paper presented at the 40<sup>th</sup> annual conference of the Canadian Society for Psychomotor Learning and Sport Psychology (SCAPPS), Toronto, Ontario. (November, 2009).

Tracey, J., Orzek, T., & **Bloom, G.** The practice of sport psychology: The challenges and rewards of consulting with athletes from a variety of perspectives. Workshop presented at the 70<sup>th</sup> annual conference of the Canadian Psychological Association (CPA), Montreal, Quebec. (June, 2009).

Sullivan, P., Paquette, K., Holt, N., & **Bloom, G.A.** The impact of sport context on the efficacy and leadership styles of youth sport coaches. Paper presented at the annual conference of the North American Society for Psychology of Sport and Physical Activity (NASPSPA), Austin, TX, USA. (June, 2009).

Falcao, W., & **Bloom, G.A.** Supervised internship with the McGill University men's soccer team. Paper presented at the 13<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Toronto, Ontario. (March, 2009).

Stein, J., **Bloom, G.A.**, & Sabiston, C. The influence of coach feedback on athletes' perceptions of the motivational climate. Paper presented at the 13<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Toronto, Ontario. (March, 2009).

Cormier, M., & **Bloom, G.A.** A proposed study on the impact of coach leadership on group cohesion in coaching sports. Paper presented at the 13<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Toronto, Ontario. (March, 2009).

### CÔTÉ, Julie

**Côté, J.N.**, Rivest, K., Fuller, J.R., Pearson, I., Emery, K., Lomond, K.V., De Serres, S.J., and Dumas, J.P. Sex differences in neck and shoulder strength, muscle activity and responses to fatigue and pain: possible links with WMSD? *Proceedings, 7<sup>th</sup> International Conference on Prevention of work-related Musculoskeletal disorders, Angers, France, 2010.*

Antle, D.M., **Côté, J.N.**, Vézina, N., and Messing, K. The impact of muscular and cardiovascular changes on the development of self-reported physical discomfort during a simulated standing-work task. *Proceedings, 7<sup>th</sup> International Conference on Prevention of work-related Musculoskeletal disorders, Angers, France, 2010.*

Kutschke, I., Balk, M., McKinley, P., and **Côté, J.N.** Effects of Alexander technique training on neck-shoulder posture and movement. *Proceedings, 11<sup>th</sup> Congress of the European Federation of National Associations of Orthopaedics and Traumatology, Madrid, 2010.*

Rivest, K., Dumas, J.P., De Serres, S.J., and **Côté, J.N.** Relationships between disability, catastrophizing, pain thresholds and gender in whiplash injury: a longitudinal analysis. *Proceedings, 11<sup>th</sup> Congress of the European Federation of National Associations of Orthopaedics and Traumatology, Madrid, Spain, 2010.*

Fuller, J.R., Fung, J., and **Côté, J.N.** Whole-body coordination changes over time when performing a fatiguing, repetitive upper limb reaching task. *Proceedings of the 39<sup>th</sup> Annual Society for Neuroscience Conference, Chicago, USA, 2009.*

Lomond, K.V., and **Côté, J.N.** Reliability of shoulder functional assessment in individuals with chronic neck/shoulder pain and healthy subjects. *Proceedings of the Association of Canadian Ergonomists annual conference, Quebec City, 2009.*

**Côté, J.N.** Stratégies de posture et de mouvement du membre supérieur des hommes et des femmes: similitudes et différences. *Proceedings of the Association of Canadian Ergonomists annual conference, Quebec City, 2009.*

St-Onge, N., Patenaude, I., **Côté, J.N.**, Preuss, R., and Fung, J. Maintenance of postural equilibrium following antero-posterior translations in sitting. *Proceedings of the 19<sup>th</sup> Conference of the International Society for Posture and Gait Research, Bologna, Italy, 2009.*

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Lomond, K.V., and **Côté, J.N.** Reliability and effects of chronic pain and movement repetition on shoulder functional outcome measures. *Manual Therapy*, v. 14, Suppl. 1, *Proceedings of the 3<sup>rd</sup> International Conference for Movement Disorders, Edinburg, Scotland, 2009*, p. S43.

Rivest, K., Dumas, J.P., De Serres, S.J., and **Côté, J.N.** Relationships between disability, catastrophizing and pain thresholds in whiplash injury: a longitudinal analysis. *Manual Therapy*, v. 14, Suppl. 1, *Proceedings of the 3<sup>rd</sup> International Conference for Movement Disorders, Edinburg, Scotland, 2009*, p. S36.

Dumas, J.P., Audette, I., **Côté, J.N.**, and De Serres, S.J. Psychometric properties of the cervical range of motion (CROM) device. *Physiotherapy Canada*, v. 61, Suppl 1, *Proceedings of the 9<sup>th</sup> Canadian Physiotherapy Association annual congress, Calgary, 2009*, p.69.

#### **HARVEY, William**

**Harvey, W.J.**, & Love, C. (November, 2010). Recovery in Mental Illness: A lifespan physical activity research agenda. Research building session presentation at the North American Federation of Adapted Physical Activity. Riverside, California, USA.



**Harvey, W.J.**, Wilkinson, S., Pressé, C., Lussier-Price, J., Jooper, R., & Grizenko, N. (November, 2010). Scrapbook interviewing: Comparing consecutive and concurrent techniques. Paper presentation at the North American Federation of Adapted Physical Activity. Riverside, California, USA.

**Harvey, W.J.**, Wilkinson, S., Pressé, C., Jooper, R., & Grizenko, N. (November, 2010). Out of the mouths of babes: Physical activity voices of children with ADHD. Paper presentation at the North American Federation of Adapted Physical Activity. Riverside, California, USA.

**Harvey, W.J.**, Pressé, C., Wilkinson, S., Jooper, R., & Grizenko, N. (November, 2010). Parent views on physical activity and children with ADHD. Paper presentation at the North American Federation of Adapted Physical Activity. Riverside, California, USA.

Pressé, C., & **Harvey, W.J.** (November, 2010). Exploring health experiences of youth with multiple disabilities. Paper presentation at the North American Federation of Adapted Physical Activity. Riverside, California, USA.

Wilkinson, S., & **Harvey, W.J.** (November, 2010). Service Learning in Adapted Physical Activity & Physical Education Teacher Education. Paper presentation at the North American Federation of Adapted Physical Activity. Riverside, California, USA.

**Harvey, W.J.** (November, 2010). Attention-Deficit Hyperactivity Disorder: What's movement got to do with it? Paper presentation at the 39<sup>th</sup> National Adapted Physical Education Conference. Riverside, California, USA.

**Harvey, W.J.**, & Wilkinson, S. (November, 2010). Service Learning in Physical Education Teacher Education: Injecting "Hope" into Physical Education. Paper presentation at the 39<sup>th</sup> National Adapted Physical Education Conference. Riverside, California, USA.

**Harvey, W.J.**, & Thomson, J. (October, 2010). A Knowledge-Based Approach to PHE-Pedagogy. Paper presented at the Council of University Professors and Researchers (CUPR) pre-conference workshop of PHE-Canada National Conference. Toronto, Ontario, Canada.

Thomson, J., & **Harvey, W.J.** (October, 2010). What does the job of a cégep physical and health education teacher entail? Paper presented at the Council of University Professors and Researchers (CUPR) pre-conference workshop of PHE-Canada National Conference. Toronto, Ontario, Canada.

**Harvey, W.J.**, & Panou, P. (October, 2010). Perceptions of physical and health education teachers on including children with behavioral difficulties in the gymnasium. Paper presented at the Council of University Professors and Researchers (CUPR) conference of PHE-Canada National Conference. Toronto, Ontario, Canada.

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**Harvey, W.J.**, Pressé, C., Wilkinson, S., Joobar, R., & Grizenko, N. (October, 2010). Parent views on physical activity and children with ADHD. Paper presented at the Council of University Professors and Researchers (CUPR) conference of PHE-Canada National Conference. Toronto, Ontario, Canada.

Wilkinson, S., Pressé, C., & **Harvey, W.J.** (March, 2010). Interviewing children through photo elicitation: Comparing interview approaches. Presentation at the 14<sup>th</sup> Annual Eastern Canada Sport and Exercise Psychology Symposium. McGill University, Montreal, Quebec, Canada.

Love, C., **Harvey, W.J.**, & Joobar, R. (March, 2010). Overcoming barriers and promoting physical activity: Through the eyes of persons with first episode psychosis. Presentation at the 14<sup>th</sup> Annual Eastern Canada Sport and Exercise Psychology Symposium. McGill University, Montreal, Quebec, Canada.

Cormier, M., Bloom, G.A., & **Harvey, W.J.** (March, 2010). A proposed study on cohesion and coaching behaviours of university coaching sport coaches. Presentation at the 14<sup>th</sup> Annual Eastern Canada Sport and Exercise Psychology Symposium. McGill University, Montreal, Quebec, Canada.

**Harvey, W.J.**, Wilkinson, S., Pressé, C., Lussier-Price, J., Joobar, R., & Grizenko, N. (October, 2010). Scrapbook interviewing about physical activity: Comparing consecutive and concurrent techniques. Poster presentation at the 4<sup>th</sup> annual Sport Canada Research Initiative Conference. Ottawa, Ontario, Canada.

**Harvey, W.J.**, Wilkinson, S., Pressé, C., Joobar, R., & Grizenko, N. (October, 2010). Out of the mouths of babes: The physical activity voices of children with ADHD. Poster presentation at the 4<sup>th</sup> annual Sport Canada Research Initiative Conference. Ottawa, Ontario, Canada.

**Harvey, W.J.**, Pressé, C., Wilkinson, S., Joobar, R., & Grizenko, N. (October, 2010). Parent views on physical activity and their child with ADHD. Poster presentation at the 4<sup>th</sup> annual Sport Canada Research Initiative Conference. Ottawa, Ontario, Canada.

Gavin, J., **Harvey, W.J.**, & McBrearty, M. (October, 2010). Matching Activities to Personal Style (MAPS): Developing a physical activity guidance system for high school students. Poster presentation at the 4<sup>th</sup> annual Sport Canada Research Initiative Conference. Ottawa, Ontario, Canada.

**Harvey, W.J.** (March, 2010). Meet a Professional. Presentation at the 14<sup>th</sup> Annual Eastern Canada Sport and Exercise Psychology Symposium. McGill University, Montreal, Quebec, Canada.

### **MILNER, Theodore**

Forghani A., Rabipour S., Stapley P.J. and **Milner T.E.** (2010) Postural responses to multidirectional perturbations applied to the hand during stance. *Canadian Society of Biomechanics 2010*

Forghani A., Stapley P.J. and **Milner T.E.** (2010) Are movement and posture controlled separately? 2010 *Canadian Neuroscience Meeting*

Nugent M. and **Milner T.E.** (2010) Temporal lags in activation of adjacent fibre compartments of spine extensors suggest independent compartmental control in erector spinae. 2010 *Canadian Neuroscience Meeting*

Nugent M. and **Milner T.E.** (2010) Temporal activation lags of adjacent fibre compartments suggest separate biomechanical function and control in ipsilateral lumbar erector spinae. *Canadian Society of Biomechanics 2010*

Mann S.L., Hall R.S., Nembhard N.A., **Milner T.E.** and Taunton J.E. (2010) The effects of foot and ankle strengthening with the AFX on athletic performance in male varsity basketball players. *2<sup>nd</sup> Congress of the IFAB*

Salman B., Vahdat S., Lambercy O., Dovat L., Burdet E. and **Milner T.** (2010) Changes in muscle activation patterns following robot-assisted training of hand function after stroke. *IROS 2010*

Lambercy O., Dovat L., Yun H., Wee S.K., Kuah C., Chua K., Gassert R., **Milner T.**, Teo C.L. and Burdet E. (2010) Robotic assessment of hand function with the Haptic Knob. *I-CREATE 2010*

Lambercy O., Dovat L., Yun H., Wee S.K., Kuah C., Chua K.S.G., Gassert R., **Milner T.**, Teo C.L. and Burdet E. (2010) A pilot trial of the Haptic Knob for hand rehabilitation in hemiplegia. *Asian-Oceanian Congress of Physical and Rehabilitation Medicine*

**Milner, T.**, Chapman, A. and Ng, T. (2009) BA6 is involved in switching between internal representations of interaction dynamics. *Can. Assoc. Neurosci. 2<sup>nd</sup> Ann. Mtg.*

Lambercy, O., Dovat, L., Yun, H., Wee, S.W., Kuah, C., Chua, K., Gassert, R., **Milner, T.**, Burdet, E. and Teo, C.L. (2009) Exercises for rehabilitation and assessment of hand motor function with the Haptic Knob. *I-CREATE09*

Lambercy, O., Dovat, L., Yun, H., Wee, S.W., Kuah, C., Chua, K., Gassert, R., **Milner, T.**, Teo, C.L. and Burdet, E. (2009) Rehabilitation of grasping and forearm pronation/supination with the Haptic Knob. *ICORR 2009*

Dovat, L., Lambercy, O., Gassert, R., **Milner, T.E.**, Teo, C.L. and Burdet, E. (2009) A system for robot-assisted neuro-rehabilitation of hand function. *ICRA 2009*

#### **PEARSALL, David**

Ouckama, R., **Pearsall D.** Quantification of load distribution in helmet padding materials. *Canadian Society of Biomechanics, Kingston, Ontario, June 2010*

Ouckama, R., **Pearsall D.** High speed force measurement system for evaluation of helmet impact load distribution. *Injury Biomechanics Symposium, Ohio State University, Columbus, OH, USA, May 17-18, 2010.*

Damavandi, M., Dixon P., and **Pearsall D** Ground Reaction Force Adaptations during Cross-slope Walking and Running. *Canadian Society of Biomechanics, Kingston, Ontario, June 2010*

Damavandi, M., Dixon P., and **Pearsall D** Kinematic adaptations of forefoot-hindfoot on cross-slope walking surface, *American Society of Biomechanics, Ann Arbor, University Park, Pennsylvania, August 2009*

Halverson, P., Bowden A., Stratton E., **Pearsall D.**; Howell L. The Balanced Spine: A Passive Mechanism for Maintaining Erect Posture, *55th Annual meeting of the Orthopaedic Research Society, Las Vegas, Nevada, Feb 22-25, 2009 \*Brigham Young University, Provo, UT. USA.*

#### **RASSIER, Dilson**

**Rassier, D.E.**, Minozzo, F. Length-dependent Ca<sup>2+</sup> activation of skeletal muscle fibres from mammals. *Proceedings of the 39th European Muscle Conference, Padova-Abano Thermo, Italy, September 2010.*

Minozzo, F., **Rassier D.E.** Effects of blebbistatin and Ca<sup>2+</sup> concentration on the force produced during stretch of skeletal muscle fibers. Proceedings of the meeting New Directions in Biology and Disease of Skeletal Muscle Ottawa, Canada, April 2010.

Pavlov, I., Brastaviceanu, T., **Rassier D.E.** Rate of force development in skeletal muscle myofibrils activated with Ca<sup>2+</sup> or MgADP. Proceedings of the meeting New Directions in Biology and Disease of Skeletal Muscle Ottawa, Canada, April 2010.

Novinger, R., Pavlov I., **Rassier D.E.** Force measurement of individual skeletal muscle sarcomeres and half-sarcomeres. Proceedings of the Annual Meeting of the Canadian Society for Exercise Physiology, Vancouver, Canada, November 2009.

Pun, C., Syed A., **Rassier, D.E.** History-dependent properties of skeletal muscle myofibrils contracting along the ascending limb of the force-length relationship. Proceedings of the Annual Meeting of the Canadian Society for Exercise Physiology, Vancouver, Canada, November 2009

**Rassier, D.E.**, Pavlov, I., Novinger, R. The mechanical behavior of individual sarcomeres and half-sarcomeres isolated from skeletal muscles. Proceedings of the 38th European Muscle Conference, Lille, France, September 2009

Pun, C., Syed, A., **Rassier, D.E.** Effects of length changes on force produced by Ca<sup>2+</sup> and ADP-induced activated myofibrils along the ascending limb of the force-length relation. *Biophysical Journal*, 95, 2009.

Pavlov, I., **Rassier, D.E.** Mechanical properties of sarcomeres mechanically isolated from skeletal muscles, *Biophysical Journal*, 95, 2009.

### **REID, Greg**

**Reid, G.** Inclusion: Looking in the rearview mirror...and ahead to evidence-based practice. Invited presentation at the European Congress of Adapted Physical Activity. Jyväskylä, Finland, May 2010.

MacDonald, C & **Reid, G.** Physical education teacher's use of instructional strategies supportive of self-determination. Poster presented at the 3<sup>rd</sup> International Congress for Physical Activity and Public Health, Toronto, May 2010.

Staples, K. & **Reid, G.** Developmental differences in movement planning among children with ASD. Poster presented at the International Meeting of Autism Research. Philadelphia, PA, May 2010.

Staples, K. & **Reid, G.** Examining strengths and weaknesses is fundamental to understanding differences in movement skill performance among children with ASD. Paper presented at the symposium of the North American Federation of Adapted Physical Activity, Riverside, CA November 2010.

Bouffard, M. & **Reid, G.** Evidence-based practice: Questions and possibilities. Invited presentation at the symposium of the North American Federation of Adapted Physical Activity, Riverside, CA November 2010.

Tawse, H., Bloom, G.A., Sabiston, C., & **Reid, G.** An investigation into wheelchair rugby coaches: Their role in the development of athletes with a spinal cord injury. Paper presented at the 14<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Montreal, Quebec. (March, 2010).

**Reid, G.** & Borisov, C. Students with intellectual disabilities as tutors: An interpretive phenomenological approach. Paper presented at the International Symposium of Adapted Physical Activity. Gavle, Sweden June 28, 2009.

MacDonald, C. & **Reid, G.** Physical Education Teachers' Perceptions of Self-Determination: Validation of a Survey. Paper presented at the International Symposium of Adapted Physical Activity. Gavle, Sweden June 26, 2009.

Tawse, H., Bloom, G.A., Sabiston, C., & **Reid, G.** Promoting positive psychological growth in athletes: An investigation of Canadian wheelchair rugby coaches. Paper presented at the 13<sup>th</sup> annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Toronto, Ontario. (March, 2009).

#### SABISTON, Catherine

O'Loughlin, E., Dugas, E., **Sabiston, C. M.**, McGrath, J., Lauzon, B., & O'Loughlin, J. (October 2010). Wii "fit"? Correlates of time spent video-exercising. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Ottawa, ON.

Castonguay, A., Ferguson, L. J., Kowalski, K. C., Mack, D. E., Wilson, P. M., & **Sabiston, C. M.** (October 2010). Body-related pride in young adults: A description of contexts and gender differences in self-reported experiences. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Ottawa, ON.

Burke, S., & **Sabiston, C. M.** (October 2010). An examination of the relationships between passion and physical activity in breast cancer survivors. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Ottawa, ON

Torkia, C., Rochette, A., **Sabiston, C. M.**, Gelinis, I. (June 2010). Creation and Validation of the Self-Efficacy Scale for Performing Life Activities Post-Stroke, *Canadian Stroke Congress*, Quebec City, QC.

Bélanger, M., O'Loughlin, J., Karp, I., **Sabiston, C. M.**, Barnett, T. (June 2010). Do fluctuations in physical activity relate to body fat in adolescents? *Society of Epidemiologic Research*, Seattle, WA.

Gandhi, S., Barnett, T. A., Lambert, M., & **Sabiston, C. M.** (May 2010). Neighbourhood Safety, Youth Physical Activity, and Sedentary Behaviour. *International Congress on Physical Activity and Public Health*, Toronto, ON.

Fuller, D., **Sabiston, C. M.**, Karp, I., Barnett, T. A., & O'Loughlin, J. (May 2010). School sports opportunities influence physical activity in secondary school and beyond. *International Congress on Physical Activity and Public Health*, Toronto, ON.

Castonguay, A. & **Sabiston, C. M.** (May 2010). Relation between physical self-discrepancy, physical activity and sedentary behaviour in adolescent boys and girls. *International Congress on Physical Activity and Public Health*, Toronto, ON.

Segatto, B. & **Sabiston, C. M.** (May 2010). The influence of sedentary behaviours on stress in transplant recipients. *International Congress on Physical Activity and Public Health*, Toronto, ON.

Brunet, J., **Sabiston, C. M.**, Barnett, T. A., Mathieu, M-E., Tremblay, A., O'Loughlin, J., & Lambert, M. (May 2010). Youth Obesity: Linking Physical Activity and Sedentary Behaviours to Weight Status. *International Congress on Physical Activity and Public Health*, Toronto, ON.

O'Loughlin, E., **Sabiston, C. M.**, Dugas, E., Low, N., & O'Loughlin, J. (May 2010). Lace up and wind down: Does meeting physical activity guidelines relate to anxiety? *International Congress on Physical Activity and Public Health*, Toronto, ON.

Schellenberg, B., Bennett, E., Brune, S., Gunnell, K., Mosewich, A., Crocker, P. R. E., & **Sabiston, C. M.** (June 2010). Body related shame in university students. Examining gender differences in self-reported experiences. *Canadian Psychological Association*, Winnipeg, MB.

Picard, M. & **Sabiston, C. M.** (June 2010). Self-Rated Health In the Context of Oncology: Understanding the Individual's Holistic Experience and Relationship to "Health". *International Psycho-social Oncology Society World Congress*, Quebec City, QC.

Brunet, J. & **Sabiston, C. M.** (June 2010). Body Image Among Breast Cancer Survivors: Theoretical and Methodological Considerations in an Oncology Context. *International Psycho-social Oncology Society World Congress*, Quebec City, QC.

**Sabiston, C. M.**, Brunet, J., Mack, D. E., Kowalski, K. C., Wilson, P. H., & Crocker, P. R. E. (November 2009). The role of physical self-conscious emotions in fostering women's physical activity motivation and participation. The *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Toronto, ON.

Brunet, J. & **Sabiston, C. M.** (November 2009). Exploring physical activity motivation across the lifespan. The *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Toronto, ON.

Castonguay, A., **Sabiston, C. M.**, Wilson, P. H., Mack, D. E., Kowalski, K. C., & Crocker, P. R. E. (November 2009). Examining body-related emotions in the context of the physical self. The *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Toronto, ON.

Love, C. & **Sabiston, C. M.** (November 2009). Physical activity as a moderator of the relationship between social support and posttraumatic growth. The *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Toronto, ON.

Segatto, B. & **Sabiston, C. M.** (November 2009). Testing the relationships among psychological needs, motivation, and affective and behavioural outcomes among transplant recipients. The *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Toronto, ON.

Burke, S. & **Sabiston, C. M.** (November 2009). Surviving Trauma: Investigating Breast Cancer Survivors' Experiences Scaling Mt. Kilimanjaro From A Post-traumatic Growth Perspective. The *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Toronto, ON.

Puwanant, M., Lambert, M., **Sabiston, C. M.**, Johnson-Down, L., & Gray-Donald, K. (October 2009). Relationship between snacking and overweight in children. *International Congress of Nutrition*, Bangkok, Thailand.

**Sabiston, C. M.**, Love, C., McDonough, M., Hadd, V., Brunet, J., & Crocker, P. R. E. (June 2009). Does physical activity buffer emotional stress and promote positive psychological growth among cancer survivors. The *Canadian Psychological Association* conference, Montreal, QC.

McDonough, M. H., Polisea, J. M., **Sabiston, C. M.**, & Ullrich-French, S. (June 2009). The development of social support on breast cancer survivor dragon boat teams. The *Canadian Psychological Association* conference, MTL, QC.

Castonguay, A. L., Brunet, J., **Sabiston, C. M.**, O'Loughlin, J., & Lambert, M. (June 2009). Linking body image to cardiometabolic risk factors in adolescents. The *Canadian Psychological Association* conference, Montreal, QC.

Brunet, J., Castonguay, A., **Sabiston, C. M.**, O'Loughlin, J., & Lambert, M. (June 2009). Examining physical activity and weight-related stress and concerns as moderators of the relationship between obesity and depression. The *Canadian Psychological Association* conference, Montreal, QC.

Brunet, J. & **Sabiston, C. M.** (June 2009). Young adults experiences of social physique anxiety around peers and parents and the impact on physical activity and sedentary behaviour. The *Canadian Psychological Association* conference, Montreal, QC.

Segatto, B., & **Sabiston, C. M.** (June 2009). Exploring the influence of physical activity among transplant recipients: Implications for positive psychological growth? The *Canadian Psychological Association Convention* conference, Montreal, QC.

Love, C. & **Sabiston, C. M.** (June 2009). Goal disengagement among physically active young cancer survivors. The *Canadian Psychological Association Convention* conference, Montreal, QC.

### STAPLEY, Paul

**Stapley PJ**, Schepens B, Drew T (2010) A common neural substrate for the control of anticipatory and compensatory postural responses. *Neural Control of Movement*, Naples, FL, 20-25 April

Hilderley A, Leonard JA, **Stapley PJ** (2010) Independent control of limb force underlies stability during voluntary head movements in standing humans. *Neural Control of Movement*, Naples, FL, 20-25 April

Leonard JA, **Stapley PJ** (2010) Posture control during online corrections of arm movements is predictive. *Neural Control of Movement*, Naples, FL, 20-25 April

Leonard JA, **Stapley PJ** (2009) Predictive control of associated postural adjustments during unexpected shifts in target location. *Soc Neurosci Abstr* 662.16

Hilderley A, Leonard JA, Libov D, Mutter A, Berger A, **Stapley PJ** (2009) *How do humans maintain their standing balance when they execute rapid, lateral head movements?* Oral presentation (Hilderley): The 10th Annual National Undergraduate Research Conference in Physical Education and Kinesiology, Faculty of PE and Health, University of Toronto, March 27th.

### TAIVASSALO, Tanya

Picard M., Ritchie D., Wright K.J., Thomas M.M., Rowan S.L., **Taivassalo T.**, Hepple R.T. Isolated Mitochondria from Skeletal Muscle Show Exaggerated Impairments with Aging Compared to Mitochondria from Permeabilized Myofibers. *Medicine & Science in Sports & Exercise*. 2010, 42(10):69. *Poster presented at the ACSM Conference of Integrative Physiology of Exercise - Miami, USA (September 2010)*

Ritchie D., Picard M., Wright K.J., Thomas M.M., Rowan S.L., **Taivassalo T.**, Hepple R.T. Changes in Mitochondrial Function With Aging do not Translate to Degree of Atrophy in Senescent Sol and EDL Muscle. *Medicine & Science in Sports & Exercise*. 2010, 42(10):60-61. *Poster presented at the ACSM Conference of Integrative Physiology of Exercise, Miami, USA (September 2010).*

S. Kapchinsky, J., Baril, J., Laurin., H. Perrault., J. Bourbeau., **T. Taivassalo**. Cardiac output response to exercise in COPD: Influence of dynamic hyperinflation. *ERS.2010;170:E1771*. *Poster presented at European Respiratory Society conference (September 2010).*

Kapchinsky S., Baril J., Laurin J., Vieira D., Bourbeau J., Perrault H., **Taivassalo T.** Reliability of Exercise Cardiac Output Measurement in COPD using Impedancemetry: Comparison with CO<sub>2</sub> and Inert Gas Rebreathing. *American Journal of Respiratory and Critical Care Medicine*, 2010, A5942. *Poster presented at American Thoracic Society Conference (May 2010).*

Baril J., Kapchinsky S., Laurin J., Perrault H., Bourbeau J., **Taivassalo T.** Heart-lung interactions during steady-state cycling exercise in COPD. *Institute of Circulatory and Respiratory Health-Young Investigator Forum of the CIHR*, Vancouver, 2010

Kapchinsky S., Baril J., Perrault H., Bourbeau J., **Taivassalo T.** Impedance is a reliable tool to monitor exercise cardiac output in COPD patients. *Institute of Circulatory and Respiratory Health-Young Investigator Forum of the CIHR*, Vancouver, 2010

#### **TURCOTTE, René**

Hannon A., Michaud-Paquette Y., Pearsall D., **Turcotte R.A.** Slap and wrist shots: the effect of player calibre on stick strain gauge response. *Canadian Society of Biomechanics*, Kingston, Ontario, June 2010

Stidwill T.J., Pearsall D., Dixon P., **Turcotte R.A.** Force measurement during ice hockey forward skating, *American Society of Biomechanics*, Ann Arbor, University Park, Pennsylvania, August 2009

#### **Book Chapters**

#### **ANDERSEN, Ross**

**Andersen R.E.** Sedentary Behaviours and Obesity. In *Advances in Physical Activity and Obesity* Edited by Bouchard, C. And Katzmarzyk PT, Human Kinetics 2010. Pg 98-100

Andersen, R.E. and Sabiston C. Physical Activity for Obese Children and Adults. In *The Obesity Prevention Handbook*. Edited by Dube L. in Elsevier. 2010.

#### **CÔTÉ, Julie**

Lomond, K.V., Leduc-Poitras, C., Boulay, E., and **Côté, J.N.** Reliability of shoulder functional measures in assessing functional capacity of individuals with chronic neck/shoulder pain. In *Ergonomics: Design, Integration and Implementation*, Nova Publishers, 2009, pp. 53-77, ISBN: 978-1-60692-327-6.

#### **GARCIA, Enrique**

Lloyd, R. J., García Bengoechea, E., & Smith, S. J. (2010). Theories of learning. In R. Bailey (Ed.), *Physical education for learning: A guide for secondary schools* (pp.187-196). London: Continuum.

Wilson, P., M., & García Bengoechea, E. (2010). Research perspectives in sport psychology: A Canadian perspective. In P. R. E. Crocker (Ed.), *Sport psychology: A Canadian perspective* (2<sup>nd</sup> ed., pp.26-52). Toronto: Pearson.

García Bengoechea, E., Smeltzer, K., & Rengifo Varona, M. I. (2009). Deporte escolar: perspectivas internacionales (School sports: International perspectives). In B. Amenabar (Ed.), *El libro blanco del deporte escolar (The white book of school sports)* (pp. 103-121). Vitoria: Central Publishing Service of the Basque Government

#### **MILNER, Theodore**

**Milner TE** (2009) Impedance control. In Binder MD, Hirokawa N, Windhorst U (eds.) *Encyclopedia of Neuroscience*. Springer-Verlag



**RASSIER, Dilson**

**Rassier, D.E.** Striated muscles: from molecules to cells. In: *Muscle Biophysics: From Molecules to Cells*. Springer, New-York, USA, pgs. 1-6, 2010.

**Rassier, DE,** Pun, I. Stretch and shortening of skeletal muscles activated along the ascending limb of the force-length relation. In: *Muscle Biophysics: From Molecules to Cells*. Springer, New-York, USA, pgs. 175-189, 2010.

**Rassier, DE,** Pavlov, I. Contractile characteristics of sarcomeres arranged in series or mechanically isolated from myofibrils. In: *Muscle Biophysics: From Molecules to Cells*. Springer, New-York, USA, pgs. 123-140, 2010.

**SABISTON, Catherine**

Mack, D. E., **Sabiston, C. M.**, McDonough, M. H., Wilson, P. S., & Pasevich, D. (2010). Motivation for sport and exercise. In P. R. E. Crocker [Editor] *Sport Psychology: A Canadian Perspective*.

**Appendix IV: Publications & Professional Activities (2009-2010)**

<u>PUBLICATIONS</u>	2009	2010
Refereed Journal Articles	33	46
Refereed Conference Proceedings/Presentations	48	80
Refereed Published Abstracts	5	5
Book Chapters	3	8
Books-Edited	-	1
Books-Written	-	-
<b>TOTAL REFEREED PUBLICATIONS</b>	<b>89</b>	<b>140</b>
<b>NON-REFEREED PUBLICATIONS</b>		
Reviews (e.g., books)	0	0
Non-refereed Journal/Magazine Articles	3	0
Manuals	0	2
<b>TOTAL NON-REFEREED PUBLICATIONS</b>	<b>3</b>	<b>2</b>
<u>PROFESSIONAL ACTIVITIES</u>		
Presentations & Workshops		
<b>TOTAL PUBLICATIONS AND PROFESSIONAL ACTIVITIES</b>	<b>92</b>	<b>142</b>

**Appendix V: Consulting activities**

Name of Faculty Member	Number of days			Total
	Private Sector Consulting	Public Sector Consulting	Other (please explain)	
G. Bloom	McGill Athletics	Montreal		15
	John Rennie Sport Etudes High S.	Montreal		8
	Various Minor Hockey Associations	Montreal		17
	National Sport Center	Montreal		8
J.Cote	Centrale des Syndicats du Quebec	Quebec City		2
E. Garcia	Right to Play International	Lima, Peru		8
D. Pearsall	Canadian Standards Association	Montreal		6
	SVPM	Montreal		3
C. Sabiston	Youth Smoking Survey Content/Health Canada	Waterloo, Ontario		3
	Two Abreast Breast Cancer Survivor Dragonboat team	Montreal	2 hrs/month	
<b>Total</b>				<b>70</b>

**Appendix VI: Professional Relevant Community Service**

Name of Faculty Member	Name of Organization	Committee Title	Office or Position, Role
G. Bloom	Dollard Hockey Association	Volunteer	Coach
	Dollard Baseball Association	Volunteer	Coach
E. Garcia	Healthy Active Kids Canada	Volunteer	National Spokesperson (French language) during the release of Healthy Active Canada's Report Card on Physical Activity for Children and Youth

	International Society of Behavioral Nutrition and Physical Activity (ISBNPA)		Member
D. Pearsall	Canadian Standards Association	Sporting Equipment	Member
	Canadian Society of Biomechanics	CSB conference 2010- Awards Committee; Workshop Applied Research; Chair Session Sports 1	Member, Abstracts reviewer
	American Society of Biomechanics	ASB 2009 Conference - Penn State, University Park, PA	Member, Abstracts Reviewer
	International Society of Biomechanics	ISB 2009 Conference - Functional Footwear Group - June 2009, Capetown, South Africa	Member, Abstracts Reviewer
	Pedorthic Research Foundation of Canada	External Review Board	External Examiner
	MITACS Accelerate	National Internship program	Grant reviewer July 2010
	National Science and Engineering Research Council (NSERC)	Discovery Research Grants	External reviewer 2009-2010
C. Sabiston	Heart & Stroke Foundation of Canada, Quebec Division	Grants and Awards	Scientific Advisory Board
	The Cancer Journey Action Group: The	Task Force	Expert Panel Member

	Canadian Partnership Against Cancer		
	The Cancer Journey Action Group: The Canadian Partnership Against Cancer	A Pan-Canadian Guideline on the Optimum Organization of Adult Cancer Patient Survivorship Services and Clinical Practices to Optimize Health and Well-Being	Supervisory Guideline Multidisciplinary Expert Panel
	Eastern Canadian Sport and Exercise Psychology Symposium	Organizing Committee	Co-supervisor
	Society of Behavioral Medicine	Sport and Exercise Psychology Division	Conference Abstract Reviewer
	Canadian Psychological Association	Sport and Exercise Psychology Division	Conference Abstract Reviewer
	Canadian Society for Psychomotor Learning and Sport Psychology	Sport and Exercise Psychology Division	Abstract Reviewer for Young Scientist Award
	Canadian Foundation for Innovation	Leader Opportunity Funds	Applicant Reviewer
	Social Sciences and Humanities Research Council of Canada	Standard Research Grant	Applicant Reviewer
	Nova Scotia Health Research Foundation	Operating Grant	External Reviewer
T. Taivassalo	Réunion du comité scientifique, Fondation des maladies du Coeur du Québec	Grant application rankings	University representative
	McGill on the Menu	McGill Leadership Campaign Summit, Sofital Hotel, Montreal, Interactive lunch with students	Representative of the Faculty of Education

	Homecoming	Provided tours around Departmental facilities to the Class of 1974 as part of 35 <sup>th</sup> year anniversary of graduation	Volunteer
	5 <sup>th</sup> Annual David Montgomery Memorial Walk/Run		Course official