

Department of Kinesiology and Physical Education Annual Report

ANNUAL REPORT

January 1 to December 31, 2011

MCGILL UNIVERSITY

FACULTY OF EDUCATION

DEPARTMENT OF KINESIOLOGY AND PHYSICAL EDUCATION

SUBMITTED BY René A. Turcotte, Ph.D.

ASSOCIATE PROFESSOR AND INTERIM CHAIR

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Department of Kinesiology and Physical Education Annual Report

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, Associate Professor, active
Enrique Garcia, Associate Professor, active
William Harvey, Associate Professor, active
Russell Hepple, Associate Professor, active
Dennis Jensen, Assistant Professor, active
Theodore Milner, Professor, active
David Pearsall, Associate Professor, active
Hélène Perrault, Professor, active
Dilson Rassier, Associate Professor, active
Greg Reid, Professor, active
Catherine Sabiston, Associate Professor, active
Tanja Taivassalo, Associate Professor, active
René Turcotte, Associate Professor, active

Department of Kinesiology and Physical Education Annual Report

Section II – Achievements of the past year

➤ Highlights

Research

A number of highlights from this year are worth noting. First as is part of our mission in this department our Faculty members continue to secure research funding from all three of the tri-councils (CIHR, NSERC, SSHRC). This year most faculty members are in the middle of completing numerous grants already awarded. Also notably, Professor Rassier has many grants as PI from CIHR and NSERC. Although results on all grant applications have not been received, a potential of over \$3,000,000.00 in funding as PI will be awarded to our professoriate this year. This is a fine accomplishment in light of the fact that we have a small department. Per capita funding is around \$220,000.00 per faculty member. These grants have made it possible to offer more fellowships to graduate students. This year students received over \$530,000.00 in funding. In 2011- 2012 the Department was awarded its official status for The Research Center for Physical Activity and Health. Dr. Hepple as director of the new center will be tasked with guiding in establishing the mandate of the center, funding initiatives, and other activities that will be ongoing in the center moving forward. Dr. Hepple has also worked on establishing the parameters for a research project in collaboration with the nephrology group from the Faculty of Medicine. The center has established its governing board for the next several years. The research at the center will focus on the benefits of physical activity in maintaining and improving health in normal populations and populations with chronic disease. An important element of the research will be to develop appropriate and effective treatment and rehabilitation strategies for the populations studied and to understand the underlying mechanisms as an eventual path to these strategies. . Research conducted at the center already involves collaboration from the Faculty of Medicine and it is anticipated that more extensive collaboration will necessarily be developed as the center more extensively develops its research mandate and specialist certification. These initiatives are important as they are the underpinnings for the future research direction of many of the department faculty members. Another important aspect of research development will be to develop a vision for the development and co-ordination of a leading edge Research Center for Physical Activity and Health. Development of the infrastructure and research mandate will be required for this to occur.

Professors continue to publish with approximately 66 refereed publications, 82 conference proceedings and presentations and 5 book chapters and 1 book published in 2011. This rate of productivity has tripled in the last 2 years compared to the three previous years. We are publishing at a rate of 4.5 refereed publications per year not counting book chapters or proceedings. As we move forward collectively, it is becoming apparent that the focus of our core of researchers is in the area of the physical activity and health. It is timely that we have established the Research Center for Physical Activity and Health and looking ahead is an exciting array of possibilities for collaborative projects inside and outside the department. In addition, new hires over the next year or two will provide a broader perspective to the research and to lend a hand to the broadening of the scope of research conducted in the Research Center.

Undergraduate Program

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. A steering committee made up of Professors Jensen, Andersen, Perrault and Taivassalo will soon be engaged in the process of the development of the clinical exercise curriculum in the following academic year. This clinical exercise practicum will be a key component for professional development of the kinesiology students but will hopefully be integrated in some of the research projects as well. The goal is to develop the skills of students in the clinical exercise practicum so that they meet the requirements of ACSM.

In relation to this the Department continues to be 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 continues to represent McGill University at council meetings. The purpose of this council is twofold: first, to inform the universities of the range of services provided by kinesiologists in

Department of Kinesiology and Physical Education Annual Report

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 as professionals in kinesiology. Dr. Jensen has contributed significantly to this process and continues to dedicate time to this process.

The department has reviewed both the Kinesiology and Physical Education programs content. The purpose of the review was to ensure that is the Kinesiology program content was consistent with the guidelines which the FKQ has established as a common standard for Kinesiology programs in Quebec. In addition, the Department is exploring mechanisms for having FKQ certification exams administered to students graduating in Kinesiology. This process is especially important in light of the distinct possibility that kinesiologists will obtain the status of professional order in the next few years. 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 ACSM. The central venue for students will be the Research Center for Physical Activity and Health. We expect to make initial student placements after the review of the clinical exercise curriculum is complete. Professor Turcotte has secured a contract position for one year, hiring Professor Bergdahl who has experience with clinical exercise practicum placements and will teach courses that will help prepare the students for the clinical exercise practicum.

The Physical and Health Education program was also under review. The pedagogy committee is considering several possibilities to streamline the program and offer a better service to students including the suggestion that students in the program should be required to complete a science DEC or its equivalent to be accepted to the program. These possibilities are being considered. Recommendations resulting from the review of both programs will be considered for implementation in the next academic year.

Enrolment in the programs is 187 in the PHE (U0:13, U1:47, U2:40, U3:35, U4:52) and 164 in the BSC KIN (U0:19, U1:40, U2:49, U3:56). Ten students were enrolled in the BSc Honors program. The Graduation numbers were as follows: Fall 2011: BEd PHE 3 and BSc Kin 5 Winter 2012: BEd PHE 39 and BSc Kin 37 and BSc Kin Honours 10.

The Department hosted the fifth and sixth annual David Montgomery Memorial Walk/Run in October 2011, respectively, which raised \$1610 for the memorial fund. The funds are being used to create a graduate student award in the area of exercise physiology.

Cooperation with other teaching units at McGill and other institutions

The Department of Kinesiology and Physical Education (KPE) will continue 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. Dr. Andersen was our departmental instructor for the latter of these shared courses. We also plan to include NUTR 344 Clinical Nutrition as a required course in the new Clinical Exercise Practices program.

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

Department of Kinesiology and Physical Education Annual Report

Dr. David Pearsall continues to teach ANAT 315 in the Department of Anatomy and Cell Biology., 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.

Cooperation with other teaching units at McGill and other institutions

Dr. Catherine Sabiston participated in the teaching of graduate courses MSO 6024 in the Department of Social and Preventive Medicine and NUR2 783 in the Department of Nursing.

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

Quality of teaching

Undergraduate and graduate course evaluations in the past year showed a lower response rate (25%) as opposed to the usual 35-50%. However, the response rate in some courses was very low and we should take measures to improve response rates in the future. The response rate indicated an average score of 4.2 on overall teaching for full-time academic staff. There is consistently high quality of instruction in courses taught by full-time academic staff, with a few exceptions.

Special Events

The program in Physical Education celebrated its 100th anniversary in 2012. A committee, chaired by Dr. Greg Reid, has organized a number of events. Among other things Professor Reid and the department committee composed of Professors Turcotte, Bloom, Andersen, Maricruz García-Rejón and Jennifer Coutlee from DAR and volunteers Linda and Stan Gendron have organized a banquet for the night of October 13, 2012 during homecoming. Mike Babcock has agreed to be the keynote speaker for this event. The annual David Montgomery run will be hosted on October 14, 2012.

The Department of Kinesiology and Physical Education will co-host the Beatty Memorial Lecture. This year's keynote speaker will be Dr. Courneya from the University of Alberta. Dr. Courneya has done an extensive amount of research on exercise and cancer and will deliver a talk the morning of the banquet, as well as a seminar for graduate students in our department.

Professor Reid has organized a mini -museum and a tour of our departmental labs for alumni and visitors during the homecoming weekend. In addition, Professor Reid is working on a book entitled; *From Bloomers to Body Mass Index: 100 Years of Kinesiology and Physical Education at McGill* which will be ready for distribution on that weekend. The fall will be an eventful time for the 100th Anniversary of the department.

Graduate Program

Our graduate program continues to grow and the successful growth of the program is largely due to the success of our professors in the department. The excellent research programs and funding and productivity of the department make our program an attractive one. We currently have enrolled 20 in MSc, 19 in MA and 17 in the ad hoc PhD. Thus our current enrolment is 55 students.

The ratio of students to faculty is 2.87 for MA/MSc. and 1.27 for PhD. Students spend on average 2.5 years in the Master's program. Data on length of PhD programs is not yet available. The GPD is currently involved in a faculty-wide graduate program review. Of interest in this review is a restructuring of course delivery, especially Research Methods and Statistics courses. In addition, the Faculty is developing a recruitment strategy and our department will formulate its own strategy after this review is complete.

Department of Kinesiology and Physical Education Annual Report

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. We anticipate that the number will continue to increase in the coming years, particularly since our junior faculty is beginning to attract more Ph.D. applicants and plan to hire three new faculty members in 2012-2013.

The Department of Kinesiology and Physical Education has been involved in the organization of Bloomberg-Manulife Prize for Promotion of Active Health. The dean and chair met to discuss the criteria for the prize and strategies to increase the number of applicants and to rethink the organization of the event. An ad hoc committee consisting of Russ Hepple and Ross Andersen was created to help organize the events surrounding the Bloomberg Prize. This committee will formulate a strategy to maximize leverage of the event to increase the visibility of our department at the university and in the community.

In an effort to attract the best Ph.D. students into our program Professor Turcotte continues to work on a proposal for an interdisciplinary PhD in Health sciences. Participating academic units include Dentistry, Family Medicine, and Dietetics and Human Nutrition. A draft proposal for this program was completed in winter of 2012 and is currently being revised.

We have recently attracted four official post-doctoral candidates listed below.

1. **Katya Herman - Ross Andersen**
2. **Anabelle Cornachione - Dilson Rassier**
3. **Mahroo Mofarrahi - Dilson Rassier**
4. **Sally Spendiff -Tanja Taivassalo**

These scholars are also a sign of excellence in our research as they contribute to the development of the research agenda of the professors they work with.

Graduate Student Funding

We continue to use part of the Chercheur Boursier funds for fellowships. For the upcoming academic year we are able to provide 20 Master's fellowships and 5 doctoral fellowships to incoming students. Two of our PhD fellowships are provided by the Bloomberg donation. All PhD fellowships are 2 years in duration. We have undertaken to increase the funding available to graduate students by creating departmental awards which are being offered to the best incoming students. The breakdown of fellowships is the following:

- 20 Master's fellowships (Dept. contribution \$3000, supervisor contribution \$2000)
- 2 Bloomberg-Manulife Ph.D. fellowships second year (Dept. contribution \$15,000, supervisor contribution \$5,000)
- 3 first year Ph.D. fellowships (Dept. contribution \$15,000, supervisor contribution \$5,000)
- 3 second year Ph.D. fellowships (Dept. contribution \$13,500, supervisor contribution \$4,500)
- 1 international Ph.D. tuition supplement fellowship \$5,000

A total of 14 students obtained provincial and national scholarships to provide some of their financial support for their graduate studies. As evidence that we are attracting excellent graduate students to our program, 12 of our doctoral students and 2 of our Master's students are currently funded by fellowships from national or provincial granting agencies.

Appendices- Summary of all activities are outlined in the following

- I- Journal reviews and editorial boards
- II- Research Funding
- III- Publications

Department of Kinesiology and Physical Education Annual Report

- IV- Pattern of Publications and Professional activities
- V- Graduate Student Funding
- VI- Consulting activities
- VII- Professionally relevant community service

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. Dr. Garcia is involved in a diabetes prevention project in Kahnawake and a McGill Health Promotion project and a number of the faculty members are sitting on professional committees such as MELS (Hélène Perrault), NIH, CIHR and NSERC (Dilson Rassier and Russell Hepple). A number of faculty members have represented their work and our field in the public media and on television promoting the field of kinesiology and our research.

Farewell messages

It is with bittersweet emotions that we must say goodbye to two faculty members. Prof. Catherine Sabiston has decided to move on to a new challenge at the University of Toronto. We are losing a great friend and scholar. So it is with some sadness that the department bids farewell to Cathi and wishes her well in her future endeavors.

Professor Greg Reid has been with McGill for 39 years and will retire officially in September 2012. Professor Reid has led a very distinguished career with many publications in his field and a great deal of respect from his research peers. He has also been consistently appreciated for his excellent teaching throughout all his years as a professor in this department. He was chair of the department for 9 years. He has been a prototypical McGillian, involved in all things McGill. Throughout his career, he was a staunch supporter of McGill Athletics. The department wishes Professor Reid well on his retirement.

Department of Kinesiology and Physical Education Annual Report

Appendix I- Reviewers in Journals

Faculty Member	Awards	Editorial Boards	Reviewer - Journals & Granting Agencies
Ross Andersen		<ul style="list-style-type: none"> • Journal of Obesity special issue on <i>“Bone Loss that accompanies Weight Reduction”</i> with Pamela Swan Ph.D., Co-editor. • Journal of Environmental and Public Health special issue on <i>Stair Climbing Interventions to Promote Physical Activity.</i> with Stef Kremers, Ph.D. Co-Editor 	<ul style="list-style-type: none"> • American Journal of Health Promotion, reviewer • American Journal of Preventive Medicine, reviewer • Annals of Internal Medicine, reviewer • Medicine Science in Sports and Exercise • Health Reports (Canada), reviewer • Journal of Physical Activity and Health, reviewer • Journal of Preventive Medicine, reviewer • Journal of the American Geriatrics Society, reviewer • NIH Student Section PRPD, grant reviewer
Gordon Bloom		<ul style="list-style-type: none"> • International Journal of Coaching Science, Associate Editor • Journal of Sport Behavior, Associate Editor • Journal of Applied Sport Psychology, Editorial Board Member 	<ul style="list-style-type: none"> • Social Sciences and Humanities Research Council, grant reviewer • The Sport Psychologist, reviewer • Research Quarterly for Exercise and Sport, reviewer • Physical Education and Sport Pedagogy, reviewer • Adapted Physical Activity Quarterly, reviewer • Journal of Sports Science and Medicine, reviewer
Julie Côté	FRSQ Chercheur Boursier Junior 2		<ul style="list-style-type: none"> • International Society for Electrophysiology and Kinesiology

Department of Kinesiology and Physical Education Annual Report

			<p>(ISEK), ergonomics track chair, 12th congress, 2012 (abstract evaluator, congress session chair)</p> <ul style="list-style-type: none"> • 15th Nordic Baltic Conference on Biomedical Engineering and Medical Physics, Abstract evaluator, congress session chair • University of Toronto Bloorview, U Laval Research Chair on cerebral palsy (establishment), external evaluator • UQTR Research chair for chiropractic studies (renewal), external evaluator • Aging Clinical and Experimental Research, manuscript reviewer • Applied Ergonomics, manuscript reviewer • Clinical Journal of Pain, manuscript reviewer • Ergonomics, manuscript reviewer • Experimental Brain Research, manuscript reviewer
Enrique Garcia			<ul style="list-style-type: none"> • Adapted Physical Activity Quarterly, reviewer • Journal of Physical Activity and Health, reviewer • Journal of Science and Medicine in Sport, reviewer • Revista Mexicana de Psicología (Mexican Journal of Psychology), reviewer • Canadian Institutes of Health Research (Planning, Dissemination, and Knowledge Translation Supplement-Planning Grants), reviewer
William Harvey			<ul style="list-style-type: none"> • Adapted Physical Activity Quarterly, reviewer • Preventive Medicine, reviewer • International Journal of Coaching Science, reviewer • Physical Education and Sport Pedagogy, reviewer

Department of Kinesiology and Physical Education Annual Report

Russell Hepple		<ul style="list-style-type: none"> • Am J Physiol Regul Integr Compar Physiol, editorial board member 	<ul style="list-style-type: none"> • Am J Physiol Regul Integr Compar Physiol, reviewer • Aging Cell, reviewer • Experimental Gerontology, reviewer • FASEB Journal, reviewer • American Journal of Physiology Heart, reviewer • Journal of Gerontology Biological & Medical Sciences, reviewer • Acta Physiologica, reviewer
Dennis Jensen			<ul style="list-style-type: none"> • Chest., reviewer • Journal of Applied Physiology, reviewer • Comprehensive Physiology (formerly known as the Handbook of Physiology), reviewer • Medicine & Science in Sports and Exercise, reviewer • Respiratory Physiology & Neurobiology, reviewer • Archives of Physical Medicine and Rehabilitation, reviewer • Medicine & Science in Sports and Exercise, reviewer • Alexandria Journal of Medicine, reviewer
Theodore Milner			<ul style="list-style-type: none"> • Plos, reviewer • Journal of Neurophysiology, reviewer • Wellcome Trust, reviewer • ANR (France), reviewer • Michael Smith Foundation, reviewer
David Pearsall		<ul style="list-style-type: none"> • Lippincott, Williams & Wilkins, editorial review: Oatis Biomechanics text 	<ul style="list-style-type: none"> • Canadian Journal of Sports Medicine, reviewer • Clinical Journal of Sport Medicine, reviewer • Journal of Applied Biomechanics, reviewer • Journal of Biomechanics, reviewer • Journal of Science and Medicine in Sport, reviewer • Journal in Sports Science, reviewer • Medical Engineering and Physics, reviewer
Dilson Rassier			<ul style="list-style-type: none"> • FASEB Journal, reviewer • Journal of Molecular and Cellular Cardiology, reviewer • Journal of Physiology, reviewer

Department of Kinesiology and Physical Education Annual Report

			<ul style="list-style-type: none"> • Journal of Biomechanics, reviewer • American Journal of Physiology-Cell Physiology, reviewer • American Journal of Physiology - Regulatory, Integrative and Comparative Physiology, reviewer • Journal of Applied Physiology, reviewer • Computer Methods in Biomechanics and Biomedical Engineering, reviewer
Greg Reid		<ul style="list-style-type: none"> • Adapted Physical Activity Quarterly, Emeritus Editor and Board Member 	
Catherine Sabiston		<ul style="list-style-type: none"> • Journal of Sport & Exercise Psychology, Associate Editor • Journal of Sport & Exercise Psychology, Editorial Board • Psychology of Sport and Exercise, Editorial Board • Sport , Exercise and Performance Psychology Journal, Editorial Board • Journal of Sport & Exercise Psychology, digest contributor • Encyclopedia for Sport and Exercise Psychology, Associate Editor • Self-Perceptions Section - Encyclopedia for Sport and Exercise Psychology, Associate Editor 	<ul style="list-style-type: none"> • Health Psychology, reviewer • Psychology and Health, reviewer • Global Health Promotion • Journal of Adolescent Health • International Journal of Obesity
Tanja Taivassalo			<ul style="list-style-type: none"> • Acta Neurologica Scandinavica, reviewer • Brain, reviewer • Neurology, reviewer • Multiple Sclerosis, reviewer

Department of Kinesiology and Physical Education Annual Report

Rene Turcotte			<ul style="list-style-type: none"> • Grants – NSERC, reviewer of NSERC discovery application • Journal of Sports Science, reviewer of article
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Appendix II: Academic Staff Research Funding - Kinesiology and Physical Education

Granting Agency	2011
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	37,833
SSHRC PI: Todd Loughead Co-Investigator: Gordon Bloom Project title: The development of an inventory to measure athlete leadership	30,780
CIHR (Emerging team in gender, sex and health) PI: D. Mergler (UQAM) Project title: Integrating gender and sex in health and environment research: development of new methodology	200,000
NSERC (Discovery) PI: J. Côté Project title : Experimental analysis of whole-body changes associated with repetitive upper limb motion : what, when, why?	21,000
FRSQ Chercheur Boursier junior 2 (salary award) PI: J. Côté Project title: Troubles musculosquelettiques de cervicalgie: mécanismes de dysfonctions, impact de la posture et adaptation d'un programme de réadaptation visant le retour au travail	65,564
CIHR PI: Enrique Garcia Project title: Participatory Policy Intervention to Promote School-Based Physical Activity	95,663
FQRSC PI: W. Harvey Project title: What motivates the motivators: Exploring PE teaching training and practice	13,200
SSHRC: PI: J. Gavin Co-investigators: W. Harvey Project title: Matching activities to personal style (MAPS): Developing a physical activity guidance system for high school students	20,000

Department of Kinesiology and Physical Education Annual Report

McGill University: Office of Sponsored Research Internal funding: SSHRC-CIHR transition fund PI: W. Harvey Project title: Attention-Deficit Hyperactivity Disorder and Obesity: Who would have though?	15,000
MUHC Bridge Fund PI: R. Hepple Project title: Relationship between denervation and mitochondrial function aging skeletal muscle	25,000
Canadian Foundation for Innovation New Opportunities Fund PI: R. Hepple Project name: Muscle Aging Diagnostic Laboratory	181,000
NSERC Discovery Grant PI: Dennis Jensen Project title: Neuro-physiological mechanisms of perceived respiratory discomfort (dyspnea) in humans under conditions of physiological stress	27,000
NSERC (Early Career Researcher Supplement) PI: Dennis Jensen Project title: Neuro-physiological mechanisms of perceived respiratory discomfort (dyspnea) in humans under conditions of physiological stress	5,000
NSERC: PI: Theodore Milner Project title: Adaptive control of limb mechanics	32,000
McGill-ZNZ Neuroscience Collaboration PI: Theodore Milner Project title: Adaptive Control of limb mechanics -Development and evaluation of novel techniques for assessment and rehabilitation of arm and hand sensorimotor function	15,000
NSERC Collaborative Research Development Grant with contribution from Bauer Hockey Corp. PI: D. Pearsall Co-investigators: R. Turcotte, C. Sabiston Project title: Mechanics of Ice Hockey Equipment	156,400
NSERC Engage PI: D. Pearsall Co-investigator: T. Taivassalo Project title: Passive Hip Moment with Resistive Undergarments	25,000
CIHR PI: D. Rassier Project title: Mechanisms underlying the sarcomere length dependence of force and muscle activation	60,000
NSERC PI: D. Rassier Project title: Stretch forces in skeletal muscle myofibrils and myosin molecules	25,000

Department of Kinesiology and Physical Education Annual Report

<p>NSERC PI: D. Rassier Project title: Ultrasensitive system for measuring light deflection in atomic force cantilevers</p>	124,649
<p>NSERC PI: D. Rassier Project title: The role of myosin surface loops 1 and 2 in regulating the load-dependent power-stroke and ATP kinetics during muscle contraction</p>	31,000
<p>NSERC-Discovery Accelerator Supplement (DAS) Program PI: D. Rassier Project title: The role of myosin surface loops 1 and 2 in regulating the load-dependent power-stroke and ATP kinetics during muscle contraction</p>	40,000
<p>CIHR PI: D. Rassier Project title: Mechanisms underlying the sarcomere length dependence of force and muscle activation</p>	88,936
<p>SSHRC PI: M. Belanger Co-investigators: J. Beauchamp, C.M. Sabiston, J.F. Richard, J. O'Loughlin Project title: Monitoring Activities of Teenagers to Comprehend the Habits (Project MATCH)</p>	40,000
<p>Fonds de la recherche en santé Québec PI: C.M. Sabiston Project title: Life After Breast Cancer: Moving On/La vie après un cancer du sein: en mouvement</p>	15,000
<p>SSHRC PI: P.R.E. Crocker Co-investigators: C.M. Sabiston, P. Gaudreau, K.C. Kowalski Project title: Coping with stressful competitive athletic performance. Examining the moderating and mediating effects of perfectionism, gender, and appraisals on achievement and emotional states</p>	40,000
<p>CIHR PI: C.M. Sabiston Co-investigators: C. Wrosch, J. O'Loughlin Project title: Physical activity among breast cancer survivors: Understanding the impact on biological risk factors and psychological health over time</p>	152,252
<p>SSHRC PI: C.M. Sabiston Co-investigators: D.E. Mack, P.M. Wilson, P.R.E. Crocker, K.C. Kowalski Project title: Physical self-consciousness emotions: exploring contexts, processes, and health outcomes</p>	13,000

Department of Kinesiology and Physical Education Annual Report

SSHRC PI: R. Camercon Co-PI: R. Ferrence, C. Gotay, K. Raine, R. Plotnikoff, B. Riley Co-investigators: 58 additional co-investigators, including C.M. Sabiston Project title: Pan Canadian strategic training in population intervention research for chronic disease prevention. Canadian Institute of Health Research: Strategic Training Initiative in Health Research	500,000
CIHR PI: C. Loiselle Co-Investigators: 30 additional collaborators, incl. C.M. Sabiston Project title: Psychological oncology research training (PORT): A renewal application	500,000
CIHR PI: T. Taivassalo Project title: Exercise-induced upregulation of mitochondrial gene expression: Therapeutic strategies for mitochondrial disease	123,571
NSERC PI: T. Taivassalo Project title: Regulation of the exercise oxygen cascade in humans: clues from mutant muscle mitochondria	28,000
FRSQ PI: J. Landry Co-investigator: T. Taivassalo Project title: Étude sur les caractéristiques de la fonction pulmonaire, de la tolérance à l'effort, de l'utilisation des soins de santé et de la qualité de vie des personnes ayant survécu à une naissance prématurée	80,000
NSERC PI: D. Pearsall Co-investigator: T. Taivassalo Project title: The Effects of Resistive Undergarments on Hip Passive Movement	20,000
NIAMS PI: R. Haller Co-investigator: T. Taivassalo Project title: Exercise Adaptations in Mitochondrial Myopathy: Therapeutic Implications	250,000
NSERC Synergy Innovation Award PI: D. Pearsall Co-investigators: D. Jensen, R. Turcotte Project title: Ice Hockey Equipment R&D: 15 years of contribution	200,000
DND-NSERC-CRD PI : David Pearsall Co-investigators : Dennis Jensen, R. Turcotte Project Title: Biomechanical and physiological study of a dermoskeleton for mobility enhancement applications	115,200
TOTAL :	3,412,048

Department of Kinesiology and Physical Education Annual Report

Appendix III: Publications

Refereed Journal Articles

ANDERSEN, Ross

Brunet J., **Andersen R.E.** Getting active and staying active after being treated for breast cancer: What you should know. American Council on Exercise Certified News. (January 2011)

Sabiston C., **Andersen R.E.** Helping Breast Cancer Survivors Adopt Active Lifestyles. American Council on Exercise Certified News. (January 2011)

Andersen R.E., Bauman A.E. The effects of commuter pedestrian traffic on the use of stairs in an urban setting American Journal of Health Promotion. 2011; 25(7)

Franckowiak, S.C, Dobrosielski D.A, Riley, S.M., Walston, J.D., **Andersen, R.E.** Maximal heart rate prediction in adults that are overweight or obese. *Journal of Strength and Conditioning Research.* 2011;25(5) 1407-1412.

Hart, T.L., Craig C.L., Griffiths J.M., Cameron C., **Andersen R.E.**, Bauman A.E., Tudor-Locke C. Markers of Sedentarism: The Joint Canada/U.S. Survey of Health. *Journal of Physical Activity and Health.* 2011: Vol 8 (3), 361-371.

Reed, S.B., Crespo, C.J., Harvey W., **Andersen, R.E.** Social Isolation and Physical Inactivity in Older U.S. Adults: Results from the Third National Health and Nutrition Examination Survey. *European Journal of Sports Sciences.* 2011; 11(5) 359-365

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BLOOM, Gordon

Duchesne, C., Bloom, G.A., Sabiston, C.M.) Intercollegiate coaches' experiences with elite international athletes in an American sport context. *International Journal of Coaching Science*, v. 5, no. 2, 2011, pp. 49-68.

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CÔTÉ, Julie

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HARVEY, William

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HEPPLE, Russell

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RASSIER, Dilson

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TAIVASSALO, Tanja

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TURCOTTE, René

Hannon A., Michaud-Paquette Y., Turcotte R.A., **Pearsall D.J.** (2011). Dynamic strain profile of the ice hockey stick: comparison of player calibre and stick shaft stiffness. *Sports Engineering*, 14:57-65; Online Vol. 14 / 2011, DOI 10.1007/s12283-011-0072-5

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Refereed Conference Proceedings/Presentations

BLOOM, Gordon

Rathwell, S., **Bloom, G.A.** A proposed study on the leadership skills and knowledge of successful university head football coaches: The selection and development of the assistant coach. Paper presented at the 15th annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Waterloo, Ontario, March, 2011.

Falcao, W., **Bloom, G.A.**) Creating intervention-based research activities using a standardized workshop protocol. Paper presented at the 15th annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Waterloo, Ontario, March, 2011.

Caron, J., **Bloom, G.A.** The effects of career ending concussions on retired national hockey league players. Paper presented at the 15th annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Waterloo, Ontario, March, 2011.

Falcao, W., **Bloom, G.A.**, Gilbert, W.D.) Promoting the United Nations Millennium Development Goals through youth sport. Paper presented at the 126th annual American Alliance for Health, Physical Education, Recreation, & Dance (AAHPERD) conference, San Diego, CA, USA, April, 2011.

Bloom, G.A. Coach development in Paralympic sport settings. Paper presented at the annual International Association for Physical Education in Higher Education (AIESEP) conference, Limerick, Ireland, June, 2011.

Cormier, M. L., **Bloom, G.A.**, Harvey, W.J. Strategies used by elite coaching sport coaches to develop cohesion. Poster presented at the 26th annual conference of the Association for Applied Sport Psychology (AASP), Honolulu, HI, USA, September, 2011.

Bloom, G.A. The role of the coach in the development of talented youth. Invited keynote address at the annual Science for Success Congress, Jyväskylä, Finland, October, 2011.

Tawse, H., **Bloom, G.A.**, Sabiston, C.M., Reid, G.) The role of Canadian wheelchair rugby coaches in the development of athletes with a spinal cord injury. Paper presented at the annual Sport Leadership Coaching Research Symposium, Toronto, Ontario, November, 2011.

Wilkinson, S., Harvey, W., **Bloom, G.A.**, Joobar, R., and Grizenko, N. A physical education teacher education service-learning project. Paper presented at the 15th annual Eastern Canada Sport & Exercise Psychology Symposium (ECSEPS), Waterloo, Ontario, March, 2011.

CÔTÉ, Julie

Antle, D. M., Côté, J. N.. Development of lower limb discomfort during prolonged standing work: Is it a muscular or cardiovascular pathway? Proceedings, 42nd Annual conference of the Association of Canadian Ergonomists (ACE), October 18th-20th, 2011.

Côté, J. N., Hsieh, T., and Emery, K. Biomechanics of pointing to a perceived target: effects of fatigue and gender. Proceedings, 15th Nordic-Baltic Conference on Biomedical Engineering, Aalborg, Denmark, June 2011.

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Blummer, P., Emery, K., and Côté, J. N. Temporal characteristics of cervical muscle activation patterns before, during and after the completion of a repetitive arm task. Proceedings, 15th Nordic-Baltic Conference on Biomedical Engineering, Aalborg, Denmark, June 2011.

Côté, J. N. Évaluation des effets d'un programme d'entraînement postural sur la biomécanique cou-épaule d'un groupe de professionnels du mouvement répétitif. REPAR annual scientific day, Montreal, May 2012

Côté, J. N. The upper extremity and musculoskeletal function: occupational and clinical perspective. Symposium, 12th congress of the International Society for Electromyography and Kinesiology (ISEK), Brisbane, Australia, 2012

Côté, J. N. Différences de sexe reliées aux mécanismes de douleur: mieux comprendre pour mieux gérer. Annual meeting, Canadian Association of Rehabilitation Nurses, Pre-conference on Management of chronic pain in rehabilitation. Laval, Sept. 14th 2011.

Côté, J. N. Effects of repetitive motion-induced muscle fatigue on posture and movement control: more than just performance impairment. Guest lecture, Center for Sensorimotor Interaction, Aalborg University, Denmark, June 20th 2011.

Côté, J. N. Effects of repetitive motion-induced muscle fatigue on posture and movement control: more than just performance impairment. Guest lecture, Institute of Sports Science and Clinical Biomechanics, University of Southern Denmark (Odense), June 27th 2011.

Côté, J. N. Le surentraînement: le détecter pour le prévenir. Annual scientific day, Service de Police de la Ville de Montréal, April 2011.

GARCIA, Enrique

García Bengoechea, E. (2011, October). Promoción de la salud y de la Actividad Física en Canadá [Health and physical activity promotion in Canada]. Guest presentation at the Annual Provincial Meeting of Physical Education, Fraga, Huesca, Spain.

García Bengoechea, E. (2011, September). Contexto interpersonal, contexto de actividad y factores motivacionales en una muestra de deportistas adolescentes Canadienses [*Interpersonal context, activity context, and motivational factors in a sample of Canadian adolescent sport participants*]. Guest presentation at the 9th International Congress on Teaching Physical Education and School Sports, Ubeda, Jaen, Spain.

Antle, D.M., Bush, P.L., Vézina, N., & **García Bengoechea, E.** (2011, October). *What can participatory- action research in health-based fields and participatory ergonomics learn from each other?* Paper presented at the 42nd Annual conference of the Association of Canadian Ergonomists (ACE). London, Ont.

Bush P.L., **García Bengoechea E**, Parry S. (2011, June). *But, how can we get them to join? Evolution of a partnership's efforts to increase adolescents' participation in physical activity.* Paper presented at the Annual Conference of the Canadian Public Health Association. Montreal, Que.

HARVEY, William

Cormier, M. L., Bloom, G.A., & **Harvey, W.J.** (September, 2011). Strategies used by elite coaching sport coaches to develop cohesion. Poster presented at the 26th annual conference of the Association for Applied Sport Psychology (AASP), Honolulu, HI, USA.

Department of Kinesiology and Physical Education Annual Report

Harvey, W.J., Wilkinson, S., Pressé, C., Jooper, R., & Grizenko, N. (June, 2011). Out of the mouths of babes: Physical activity voices of children with ADHD. Paper presentation at the Association Internationale des Ecoles Supérieures d'Education Physique - International Association for Physical Education in Higher Education (AIESEP), University of Limerick, Ireland.

Harvey, W.J., Panou, P. (June, 2011). Perceptions of physical and health education teachers on including children with behavioral difficulties in the gymnasium. Paper presented at the Association Internationale des Ecoles Supérieures d'Education Physique - International Association for Physical Education in Higher Education (AIESEP), University of Limerick, Ireland.

Gavin, J., McBrearty, M., **Harvey, W.J.** (June, 2011). What's wrong with PE: Adolescents' psychosocial map of the physical education experience in high schools. Poster presentation at the Canadian Psychological Association Convention. Montreal, Quebec, Canada.

Gavin, J., McBrearty, M., **Harvey, W.J.** (June, 2011). Do fitness activities have different personalities? It depends on whom you ask. Poster presentation at the Canadian Psychological Association Convention. Montreal, Quebec, Canada.

Harvey, W.J., Wilkinson, S., Pressé, C., Jooper, R., & Grizenko, N. (October, 2011). Children with ADHD and physical activity behaviours: What happens when the village turns its back on you? Plenary session - research presentation at the 5th annual Sport Canada Research Initiative Conference. Ottawa, Ontario, Canada.

Harvey, W.J. (March, 2011). A 10+ year research journey in physical activity and ADHD. Exercise Science Lecture Series. Department of Exercise Science, Concordia University. Montreal, Quebec, Canada.

Harvey, W.J. (February, 2011). What I did on my 25 year summer vocation. Invited Guest Lecture for Doctoral Seminar in School Psychology. Department of Educational Counseling and Psychology, McGill University. Montreal, Quebec, Canada.

Harvey, W.J. (February, 2011). Why Mixed Methods Research? Invited Guest Lecture for Qualitative Methods in Educational Psychology (EDPE 687-001), McGill University. Montreal, Quebec, Canada.

HEPPLE, Russell

Hepple, R.T. (February 19, 2011) *Does Mitochondrial Dysfunction Cause Aging Muscle Atrophy?* Annual Meeting of the Réseau en Santé Respiratoire du FRSQ, Quebec City, Qc, CANADA,

Hepple R.T. (April 13, 2011) *Impact of Routine Mitochondrial Isolation on Estimates of Mitochondrial Dysfunction in Aging Muscle.* Experimental Biology Annual Meeting, Washington DC, USA, (I was also the organizer of and chair of this symposium).

Hepple, R.T. (June 9, 2011) *Deneroation Causes Myosin Heavy Chain Co-expression and Myofiber Atrophy in Senescent Rat Gastrocnemius Muscle.* International Conference on Sarcopenia Research, Toulouse, FRANCE,

JENSEN, Dennis

Jensen D. Alsuhail A, Viola R, Dudgeon D, O'Donnell DE. Inhaled fentanyl citrate improves dynamic airway function, exertional dyspnea and exercise endurance in COPD. *American Journal and Respiratory and Critical Care Medicine.* 183: A5627, 2011. Presented as part of a mini-symposium ("Exercise adaptation with growth and chronic illness") at the American Thoracic Society Annual General Meeting, Denver, CO, USA, May 2011.

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Jensen D. Webb KA, O'Donnell DE. Multi-dimensional evaluation of perceived respiratory discomfort during incremental cycle exercise in health and COPD. *American Journal of Respiratory and Critical Care Medicine*. 183: A5813, 2011. Presented as part of (1) a Thematic Poster Session and (2) 1st Annual Canadian Thoracic Society Poster Competition at the American Thoracic Society Annual General Meeting, Denver, CO, USA, May 2011.

MILNER, Theodore

Vahdat, S., Darainy, M., **Milner, T.E.**, and Ostry, D.J. (2011) Motor learning alters sensorimotor resting-state networks in the brain. *Soc. Neurosci. Abs.* 37

PEARSALL, David

Ouckama R., **Pearsall D.** Impact performance of ice hockey helmets: head acceleration versus focal force dispersion. July 7-9, 2011, Dublin, Ireland

Dixon P., Tisseyre M., Damavandi M., **Pearsall P.** Intrinsic foot and ankle mobility during running on cross-slopes, Functional Footwear Symposium 2011, Tubigen, Germany

REID, Greg

Reid, G. Motor Behaviour and the autism spectrum disorders. Invited presentation at the SESC Conference, Sao Carlos, Brazil, May 2011.

Reid, G. & Jobling, I. (2011) Robert Tait McKenzie: Contributions to early adapted physical activity. Presentation at the International Symposium of Adapted Physical Activity, Paris, July.

Tawse, H., Bloom, G.A., Sabiston, C.M., **Reid, G.** (November, 2011). *The role of Canadian wheelchair rugby coaches in the development of athletes with a spinal cord injury*. Paper presented at the annual Sport Leadership Coaching Research Symposium, Toronto, Ontario.

RASSIER, Dilson

Rassier, D.E., Pavlov, I. Stretch-induced force enhancement produced by isolated sarcomeres and half sarcomeres. *Proceedings of the 40th European Muscle Conference*, Berlin, Germany, September 2011.

Minozzo, F., **Rassier D.E.** Pre-powerstroke cross-bridges contribute to force transients decay during imposed shortening in isolated of muscle fibers. *Biophysical Journal*, 97, 2011.

SABISTON, Catherine

Brunet, J., **Sabiston, C. M.** (2011). Self-Presentation among Breast Cancer Survivors: Implications for Physical Activity Behavior. *Journal of Sport & Exercise Psychology*, 33, s134.

Castonguay, A. L., & **Sabiston, C. M.** (2011). Investigating physical activity as a moderator between body mass index and body-related shame, guilt, and pride in adults. *Canadian Journal of Diabetes*, 35, S211.

Burke, S., Brunet, J., **Sabiston, C. M.** (2011). Self-Determined Motivation in Breast Cancer Survivors: Examining links to Physical Activity and Mental Health. *Journal of Sport & Exercise Psychology*, 33, s176.

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- Scarapicchia, T., O'Loughlin, E., **Sabiston, C. M.** (2011). The Association Between Social Support and Physical Activity Motivation and Behavior Among Breast Cancer Survivors. *Journal of Sport & Exercise Psychology*, 33, s182.
- Castonguay, A. **Sabiston, C. M.** (2011). Are body-related self-conscious emotions associated with physical activity motivation and behavior in men? *Journal of Sport & Exercise Psychology*, 33, s136.
- Bessette, N., **Sabiston, C. M.** (2011). The association between negative body-related social influences and physical self-discrepancies. *Journal of Sport & Exercise Psychology*, 33, s131.
- Tawse, H. L., Bloom, G. A., **Sabiston, C. M.**, & Reid, G. (2011, October). The role of Canadian wheelchair rugby coaches in the development of athletes with a spinal cord injury. *Sport Canada*, Fall 2011.
- Brunet, J., **Sabiston, C. M.** (2011, October). Weight Gain among Breast Cancer Survivors and Its Association to Emotions of Shame and Guilt. *International Society for PsychoOncology*, Antalya, Turkey.
- Sabiston, C. M.**, Wrosch, C. (2011, October). Goal Adjustment Capacities, Physical Activity and Sedentary Behavior, and Emotional and Physical Health Among Breast Cancer Survivors. *International Society for PsychoOncology*, Antalya, Turkey.
- Mosewich, A. D., Crocker, P. R. E., Brune, S. M., Gaudreau, P., Kowalski, K. C., **Sabiston, C. M.** (2011, October). Examining relations between dimensions of perfectionism and self-compassion in university athletes. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Winnipeg, MB.
- Brune, S. M., Crocker, P. R. E., Kowalski, K. C., Mack, D. E., Wilson, P. M., & **Sabiston, C. M.** (2011, October). Examining the relationship of Person Factors and Attributions With Body-Related Negative Emotions. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Winnipeg, MB.
- McDonough, M. H., **Sabiston, C. M.** (2011, October). Predicting posttraumatic growth among breast cancer survivors: The role of social support, stress, and physical activity. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Winnipeg, MB.
- O'Loughlin, E., **Sabiston, C. M.**, O'Loughlin, J. (2011, October). Weight Perception and Physical Activity Motivation Among Adolescent Exergamers. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Winnipeg, MB.
- Brunet, J., Taran, S., & **Sabiston, C. M.** (2011, October). A qualitative analysis of motivators, barriers and enablers to engaging in physical activity. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Winnipeg, MB.
- Ferguson, L. J., Kowalski, K. C., Mack, D. E., & **Sabiston, C. M.** (2011, October). Exploring Self-Compassion and Eudaimonic Well-Being with Young Women involved in Sport and Exercise. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Winnipeg, MB.
- Cox, A., Ullrich-French, S., **Sabiston, C. M.** (2011, October). Testing the Moderating Role of Social Physique Anxiety in the Relationship Between Psychological Need Satisfaction and Motivation in High School Physical Education. *Canadian Society for Psychomotor Learning and Sport Psychology* conference, Winnipeg, MB.
- Brunet, J., Castonguay, A., Bessette, N., Ferguson, L., **Sabiston, C. M.** (2011, June). Linking Physical Self-Discrepancies and Physical Activity Motivation and Behavior: A Self-Determination Theory Perspective. *The Sixth Self Biennial International Conference*, Quebec City, QC.
- Bessette, N., Brunet, J., Castonguay, A., Ferguson, L., **Sabiston, C. M.** (2011, June). Physical Self-Discrepancies, Mental Health, and Physical Activity Behavior. *The Sixth Self Biennial International Conference*, Quebec City, QC.
- Castonguay, A., Brunet, J., Bessette, N., Ferguson, L., **Sabiston, C. M.** (2011, June). Examining the Relations between Physical Self-discrepancies and Body-related Shame and Guilt. *The Sixth Self Biennial International Conference*, Quebec City, QC.

Department of Kinesiology and Physical Education Annual Report

- Sabiston, C. M.**, Kowalski, K. C., Mack, D. E., Wilson, P. M., & Crocker, P. R. E. (2011, June). Studying the association between attributions and the self-conscious emotions of guilt and shame in fitness contexts. *The Self Biennial International Conference, Quebec City, QC.*
- Brunet, J., **Sabiston, C. M.** (2011, June). Obesity in Breast Cancer Survivors: Evaluating its Impact on Body-Related Anxiety and Physical Activity. *The 2nd National Obesity Summit, Montreal, QC.*
- Burke, S. **Sabiston, C. M.** (2011, June). On the role of passion in breast cancer survivors: Examining links to mental health. *Canadian Psychological Association, Toronto, Ontario.*
- Sabiston, C. M.**, Burke, S., & Brunet, J. (2011, June). Mind on the Move: Physical Activity and Mental Health in Recently Treated Breast Cancer Survivors. *The Canadian Psychological Association, Toronto, ON.*
- Brunet, J., **Sabiston, C. M.**, & Burke, S. (2011, June). Whose body is this? The Impact of Breast Cancer on Body Image and Appearance. *Annual Canadian Association of Psychosocial Oncology conference, Toronto, ON.* **Won student presentation award
- Picard, M., & **Sabiston, C. M.** (2011, June). The challenge of integrating biological and psychosocial sciences in oncology research: Insight from Allostatic Load. *Annual Canadian Association of Psychosocial Oncology conference, Toronto, ON.*
- Sabiston, C. M.**, Brunet, J., & Burke, S. (2011, June). Adversity leads to growth? Implications for research and practice targeting breast cancer survivorship. *Annual Canadian Association of Psychosocial Oncology conference, Toronto, ON.*
- Barnett, T. A., Maximova, K., **Sabiston, C. M.**, Van Hulst, A., Brunet, J., Castonguay, A., Bélanger, M., & O'Loughlin, J. (2011, June). Physical activity growth curves and adiposity in adolescents. *The Society of Epidemiological Research Congress on Epidemiology, Montreal, QC.*
- O'Loughlin, E., **Sabiston, C. M.**, Dugas, E., Brunet, J., Low, N., Chaiton, M., & O'Loughlin, J. (2011, June). Does meeting physical activity guidelines relate to depression in young adults? *The Canadian Public Health Association (CPHA). Montreal, QC.*
- Sabiston, C. M.**, Brunet, J., & McDonough, M. (2011, April). The Struggle for a Healthy Weight during Breast Cancer Survivorship: Treatment Effects or Lifestyle Effects? *The 2nd National Obesity Summit, Montreal, QC.*
- Castonguay, A. L., **Sabiston, C. M.** (2011, April). Investigating physical activity as a moderator between body mass index and body-related shame, guilt, and pride in adults. *The 2nd National Obesity Summit, Montreal, QC.*
- Segatto, B. L., & **Sabiston, C. M.** (2011, March). Physical activity behaviours among transplant recipients. *Canadian Society of Transplantation Annual Scientific Meeting, Mont Tremblant, Quebec.*

TAIVASSALO, Tanya

- Taivassalo, T.** (December 8-9 2011). "The role of mitochondrial (dys) function in skeletal muscle abnormalities of COPD". American Thoracic Society and European Respiratory Society workshop on the Current State of Skeletal Muscle Dysfunction in Patients with Chronic Obstructive Pulmonary Disease, Leuven Belgium
- Taivassalo, T.** (June 15-18). Invited Speaker at the UMDF (United Mitochondrial Disease Foundation) annual meeting, "Exercise therapy for Mitochondrial disease: overview of current strategies and guidelines" Chicago, USA.

Department of Kinesiology and Physical Education Annual Report

Taivassalo, T. (May 29, 2011). Presidential lecturer at the *European Neurological Society* annual meeting, entitled "Exercise therapy in muscle disease: a current overview", Lisbon, Portugal.

Taivassalo, T. (April 13, 2011). Muscle Biology Group-sponsored Featured Topic entitled "*Mitochondrial Involvement in Sarcopenia: Do We Have More Questions than Answers?*" at annual Experimental Biology meeting, Washington, DC.

Taivassalo, T. (March 30th, 2011). Seminar in the *Systems Biology/Bioinformatics Series, McGill University*. "Mitochondrial DNA mutations in human skeletal muscle: cellular and physiological effects", Montreal.

Book Chapters

BLOOM, Gordon

Bloom, G.A. (2011) Coaching psychology in *Sport and Exercise Psychology: A Canadian Perspective*, 2nd edition, P.R.E. Crocker, ed., Toronto; Pearson, 2011, pp. 278-305.

GARCIA, Enrique

García Bengoechea, E. (2011). Contexto interpersonal, contexto de actividad y factores motivacionales en una muestra de deportistas adolescentes canadienses [Interpersonal context, activity context, and motivational factors in a sample of Canadian adolescent sport participants]. In F. Ruiz Juan, D. de la Cruz Manjón, M. Lucena Zurita, G.Barbero Reyes, & G. Barbero Montesinos (Eds.), *Competencias profesionales y retos educativos para una vida saludable. Intervención en el sedentarismo y la obesidad [Professional Competencies and Educational Challenges: Interventions in sedentarism and obesity]*. Editorial y Centro de Formación Alto Rendimiento.

MILNER, Theodore

Lambercy, O., Dovat, L., Salman, B., Gassert, R., Milner, T., Burdet, E. and Teo, C.L. (2011) Robot-assisted rehabilitation of hand function after stroke. In Tong, R.A.Y. (ed.) *Biomechatronics in Medicine and Health Care*. Pan Stanford Publishing, pp. 43-60

SABISTON, Catherine

Sabiston, C. M., Whitehead, J. & Eklund, R. (2011). Measuring Exercise Self-Perceptions and Identity. In R. Eklund & G. Tenenbaum [Editors] *Handbook of Measurement in Sport and Exercise Psychology*. Human Kinetics.

Appendix IV: Pattern of Publications & Professional Activities (2006-2011)

<u>PUBLICATIONS</u>	2006-7	2007-8	2008-9	2009-10	2011
Refereed Journal Articles	16	21	30	84	66
Refereed Conference Proceedings/Presentations	42	8	19	68	82
Refereed Published Abstracts	11	1	5	5	4
Book Chapters	1	2	3	11	5
Books-Edited	-	-	-	-	-
Books-Written	-	-	-	1	1
TOTAL REFEREED					

Department of Kinesiology and Physical Education Annual Report

PUBLICATIONS	70	32	57	169	158
NON-REFEREED PUBLICATIONS					
Reviews (e.g., books)	1	0	0	0	-
Non-refereed Journal/Magazine Articles	-	4	3	0	6
Manuals	-	0	0	2	6
TOTAL NON-REFEREED PUBLICATIONS	1	4	3	2	12
<u>PROFESSIONAL ACTIVITIES</u>					
Presentations & Workshops	13	62	79	94	6
TOTAL PUBLICATIONS AND PROFESSIONAL ACTIVITIES	84	98	139	265	176

Appendix V: Graduate Student Funding

SOURCE OF FUNDING	Title/Name of Grant	Name of Student	Amount (\$)	Total (\$)
FROM PROFESSORS' GRANTS				
NSERC (R. Andersen) + Department Award		Olivier Babineau	2,500	2,500
NSERC (R. Andersen) + Department Award		Justin Kim	2,500	2,500
NSERC (R. Andersen) + Department Award		Hannah Lemke	2,500	2,500
NSERC (R. Andersen)+ Department Award		Tanya Simard	2500	2,500
SSHRC(G. Bloom) + Department Award		Scott Rathwell	2,500	2,500
SSHRC (G. Bloom) + Department Award		Charles Antoine-Sinotte	2,500	2,500
SSHRC (G. Bloom) + Department Award		Gillian Ferrari	2,500	2,500
FRSQ chercheur bousier (J. Cote) + Department Award		Bridget Gervasi	6,500	6,500
FRSQ chercheur bousier (J. Cote) + Department Award		Hiram Cantu	6,500	6,500
CIHR (J. Cote) + Department Award		David Antle	11,000	11,000
SSHRC (W. Harvey) + Department Award		Shawn Wilkinson	13,000	13,000
SSHRC (W. Harvey)+ Department Award		James Baillargeon	2,500	2500
SSHRC (W. Harvey)+ Department Award		Michael Cicchillitti	2,500	2500
NSERC (D. Jensen) + Department Award		Michelle Schaeffer	3,000	3,000
NSERC (T. Milner)		Shahabaddin Vahdat	15,000	15,000

Department of Kinesiology and Physical Education Annual Report

NSERC CRD (D. Pearsall)		Cam Lawrie	9,000	9,000
NSERC CRD (D. Pearsall) + Department Award		Lisa Zane	11,500	11,000
NSERC CRD (D. Pearsall)		Ryan Ouckama	10,000	10,000
NSERC PGS (D. Pearsall) + Department Award		Marc Levangie	20,500	20,000
NSERC CRD (D. Pearsall)		Antoine Fortier	6,500	6,500
NSERC CRD (D. Pearsall)		Zubair Baig	6,500	6,500
NSERC CRD (D. Pearsall)		Leo Culhane	9,000	9,000
NSERC CRD (D. Pearsall)		Chau Le Ngoc	9,000	9,000
NSERC CRD (D. Pearsall)+ Department Award		Samuel Forget	5,000	5,000
NSERC CRD (D. Pearsall)		Robin Goodreau	7,500	7,500
NSERC (D. Rassier) + Department Award		Mandy Ting	1,000	1,000
SSHRC (C. Sabiston) + Department Award		Natalia Bessette	6,500	6,500
SSHRC (C. Sabiston) + Department Award		Eva Pila	2,500	2,500
SSHRC (C. Sabiston) + Department Award		Gina Pinsonneault	2,500	2,500
NSERC (T. Taivassalo) + Department Award		Yana Konokhova	2,500	2,500
NSERC (T. Taivassalo) + Department Award		Norah MacMillan	2,500	2,500
GRADUATE STUDIES FELLOWSHIPS				
Can COLD Summer Research Student Internship Award	Master's Scholarship	Michelle Schaeffer	4,500	4,500
CIHR	Master's Scholarship	Jonathon Carkner	17,500	17,500
CIHR - PORT	Doctoral Scholarship	Jennifer Brunet Erin O'Loughlin	7,000 17,500	7,000 17,500
CIHR - PICDP	Doctoral Scholarship	Andree Castonguay	2,000	2,000
CIHR - PICDP	Doctoral Scholarship	Tanya Scarapicchia	17,500	17,500
CIHR Systems Biology	Doctoral Scholarship	Sophia Kapchinsky	21,000	21,000
FQRNT	Doctoral Scholarship	Marilee Nugent	20,000	20,000
FQRNT	Doctoral Scholarship	Fabio Minozzo	25,000	25,000
Network Environment for Aboriginal Health Research	Ph.D. Scholarship	Macridis Soutana	21,000	21,000
NSERC/CIHR Systems Biology	Doctoral Scholarship	Martin Picard	40,000	40,000
NSERC	Doctoral Scholarship	Jacinthe Baril	17,500	17,500
SSHRC	Doctoral Scholarship	Jennifer Brunet	35,000	35,000
SSHRC	Doctoral Scholarship	Andree Castonguay	20,000	20,000
Young Investigator	Doctoral Scholarship	Jennifer Brunet	500	500
FELLOWSHIPS:				

Department of Kinesiology and Physical Education Annual Report

A. E. Wilkinson Award	M.A. Scholarship	Charles Antoine-Sinotte	800	800
D. Marisi Award	M.A. Scholarship	Tanja Scarapicchia	500	500
David L. Montgomery	Doctoral Award	Fabio Minozzo	500	500
	Doctoral Award	Martin Picard	500	500
Bloomberg-Manulife	Ph.D. Fellowship	Jeffrey Caron	22,500	22,500
		Maddy Purves-Smith	22,500	22,500
TEACHING ASSISTANTSHIPS		Fall 2011 : Rikki Bowles 1249.50 Leo Culhane 1249.50 Ali Forghani 1249.50 Cameron Lawrie 2499.00 Jessica Mackay 2499.00 Norah MacMillan 2499.00 Fabio Minozzo 2499.00 Tanya Scarapicchia 2499.00 Michele Schaeffer 2499.00 Stephanie Talsma 1249.50 Mandy Ting 1249.50 Shahabeddin Vahdat 1249.50 Winter 2012 : David Antle 1544.50 Olivier Babineau 1287.00 Rikki Bowles 2574.00 Hiram Cantu 1287.00 Andree Castonguay 1287.00 Michael Cicchillitti 2574.00 Leo Culhane 1544.40 Danielle Fainer 1287.00 Bridget Gervasi 1287.00 Lindsay Hogan 1287.00 Cameron Lawrie 3861.00 Charles Levangie 1544.40 Norah MacMillan 2574.00 Fabio Minozzo 2574.00 Marilee Nugent 1544.40 Erica Rate 2574.00 Tanya Scarapicchia 2574.00 Michele Schaeffer 2574.00 Stephanie Talsma 1287.00 Mandy Ting 1287.00 Lisa Zane 1544.40		22,491
PEER REVIEWED				
OTHER	Part-time Department Instructors	Julia Leonard 2,000 Samuel Forget 2,400		4400
OVERALL TOTAL FOR GRADUATE STUDENT FUNDING				536,088

Department of Kinesiology and Physical Education Annual Report

Appendix VI: Consulting activities

Name of Faculty Member	Number of days			Total
	Private Sector Consulting	Public Sector Consulting	Other (please explain)	
G. Bloom	Professional NHL Player			20
		Centre National Multisport Montreal		30
		Lester B. Pearson School Board		5
	Elevation Research Group			10
	Right to Play International			20
W. Harvey	Jansen Ortho Pharmaceutical			2
T. Milner		European Commission		50
D. Pearsall	Impakt Protection			50
Total				137

Appendix VII: Professional Relevant Community Service

Name of Faculty Member	Name of Organization	Committee Title	Office or Position, Role
G. Bloom	McGill Athletics	J. Caron (swimming), S. Rathwell (m. hockey + m basketball), K. Egleton (volleyball) , W. Falcao (m soccer)	Sport Psych Internship Supervisor
	McGill Athletics	Football, w. hockey, w. basketball	Sport Psych consultant
J. Côté	CBC Radio		Interviewee
E. Garcia	Basque Government (Spain)	Expert advisory committee on Basque Plan for Physical Activity and Health	Member of advisory committee in charge of providing feedback on successive drafts of the new Basque Plan for Physical Activity and health and recommending strategies
	Kahnawake Schools Diabetes Prevention Project (KSDPP)	Member of Research Team	Collaborate with community based researchers and community members in the design, implementation and evaluation of diabetes

Department of Kinesiology and Physical Education Annual Report

			prevention initiatives
	Fit@McGill, McGill Health Promotion		Organized and led workshop for student volunteers on how to promote healthy active living to students
W. Harvey	Executive Committee for the Association of Physical Educators of Quebec (APAQ)	McGill representative	Advisor
R. Hepple	National Institutes of Health	Skeletal Muscle and Exercise Physiology study section	Reviewer
	CIHR Institute of Aging	Age Plus Prize	Reviewer
D. Jensen	Canadian Thoracic Society/Canadian Lung Association		Member
	Respiratory Health Network of the Fonds de la Recherche en Santé du Québec (FRSQ)		Member
D. Pearsall	National Science and Engineering Research Council (NSERC)		External Reviewer (Discovery, CRD, i2i)
H. Perrault	Comité de concertation CS-Universités-MELS de Montréal		Member
	Comité directeur TECFEE		Member
	Réseau Réussite Montréal		Board Member
	Consortium des Établissements de Réadaptations exploitant un institut Universitaire (CERIU)		Board Member representing McGill
	Table EDU de la CREPUQ		Member
	Association des doyens, doyennes et directeurs, directrices pour l'étude et la recherche en éducation au Québec (ADEREQ)		President
	Table Ministère de l'éducation, loisirs et Sports (MELS), Gouvernement du Québec - Universités		Co-President
C. Sabiston	CIHR	Secondary Data Analysis Grant	Peer Reviewer
	CIHR	Psychosocial and Behavioural Determinants of Health 1	Peer Reviewer
	North American Society for the Psychology of Sport and Physical Activity	Sport and Exercise Psychology	Organizing Committee Member
	Heart and Stroke Foundation of Canada, Quebec Division	Scientific Advisory Board	Scientific Advisory Board
	The Canadian Partnership Against Cancer	A Pan-Canadian Guideline: Optimum Organization of Adult Cancer Patient Survivorship Services and	Expert Panel Member

Department of Kinesiology and Physical Education Annual Report

		Clinical Practices to Optimize Health and Well-being	
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