



SCHOOL OF PHYSICAL AND  
HEALTH EDUCATION  
Physical Education Centre  
Kingston, Ontario, Canada K7L 3N6

**ANNUAL REPORT**

**for the**

**School of Physical and Health Education**

**2002**

## **DIRECTOR'S STATEMENT**

The School of Physical and Health Education at Queen's University is pleased to provide the second annual report on its undertakings and accomplishments during 2002. The achievements of our students, staff and faculty are numerous and impressive. The work carried out within the School has commanded the attention of the institution as we move forward on staffing and program initiatives that are consistent with the long-term goals for our programs.

One of the most significant events of 2002 was the appointment of two new faculty members. Dr. Peter Katzmarzyk, a Queen's National Scholar appointment in physical activity epidemiology and Dr. Lucie Lévesque, an exercise and health psychologist, both joined us in July 2002.

We have 13 full time faculty members representing disciplines from the social to the behavioural and exercise sciences who collectively hold over \$1.3 million in annual external research funding. The success of our current faculty is reflected in the unprecedented number of successful grant applications for tri-council funding in 2002. Drs. Stevenson and Tschakovsky were awarded additional NSERC funding, while Drs. Costigan and Ross received CIHR awards. Drs. Côté and Deakin received funding from SSHRC. The extensive listing of work in peer reviewed journals and at scientific congresses is evidence of the commitment of our researchers to the dissemination of their work for evaluation by the broader scientific community.

The success of our students can be measured in many ways. While our students are well known for the number of hours given to community service, they continue to be successful academically. Twenty-one percent of the undergraduate class were placed on the Dean's honour list, indicative of an overall average greater than or equal to 80%. Ian Janssen, a recent Ph.D. graduate from Dr. Ross's laboratory, was awarded the Governor General's Academic Gold Medal for the most outstanding dissertation at Queen's in 2002.

Fundraising will remain a central focus for us, as we work on both capital initiatives and student support through scholarships and bursaries. The 2002 version of the Faculty Projects Appeal resulted in donations of over \$9,100 to the School. Purchases from this fund were made for undergraduate computer and laboratory equipment, software, and training initiatives. We will continue to use philanthropic funds to augment support for current programs and new initiatives.

The School looks forward to receiving approval from the Board of Trustees in 2003 to move forward on the planning of new state of the art facilities for the academic and athletics and recreation programs for which we are responsible. The building concept calls for construction phasing over a seven to ten year period, with a view to completing a new home for the School of PHE in the third of six phases. Development of this project will figure prominently in future reports of the School.

Janice M. Deakin, Ph.D.  
Director

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## **MISSION**

The School will research and teach the role of physical activity as a mediator in the determination of health and productivity individually and in society. The School will provide programs to prepare students to achieve physical, mental and social well-being through the advocacy and application of physical activity as part of a lifestyle. (Strategic Plan 2001-06)

### **Mission Statement**

The School of Physical and Health Education will be an innovative leader in the development, advancement and delivery of academic and athletics/recreation programs that promote an active, healthy lifestyle. (June 1996)

The School of Physical and Health Education is equally committed to:

- Excellence in our undergraduate, graduate and athletics/recreation programs.
- Providing discipline and professional experiences within the undergraduate programs.
- The pursuit of new knowledge in our multi-disciplinary field through quality research and scholarship.
- Provide opportunities for personal growth and development for the Queen's community (students, staff and faculty) through the provision of a wide spectrum of athletic/recreation programs.
- Provide the student athlete with opportunities for achievement through competitive sport.
- Promote physically active lifestyles for the purpose of health enhancement, improved fitness, enjoyment and injury prevention in work and leisure activities.
- Promote and facilitate healthy lifestyle, recreational and leadership development programs for the greater Kingston community.

### **Strategic Plan**

The School of Physical and Health Education, Queen's University, occupies a unique position to become a leader in health enhancement, disease prevention and human performance. In the next five years the School will work to strengthen and extend its place as an innovative leader in the development, advancement, and delivery of academic, professional, and athletic programs that seek to understand physical activity (which includes sport, exercise, and physically demanding work) and its effects on health. The School seeks to incorporate in its curriculum, professional activities, and research initiatives the broad definition of health proposed by the World Health Organization (WHO) in 1970: the state of complete physical, mental, and social well-being - not merely the absence of disease and infirmity.

## **Values**

- The School reaffirms its belief in the vital interplay between disciplinary and professional areas within our program.
- The School reaffirms its commitment to provide undergraduate students a quality liberal arts education within the context of the profession of physical and health education.
- The School reaffirms its commitment to provide graduate students with advanced training and research opportunities in the major exercise science disciplines, including biomechanics and ergonomics, exercise physiology and rehabilitation, sport and exercise psychology (including ex-pert performance) and critical sociology of sport.
- The School reaffirms its commitment on pedagogical and research levels to inter-disciplinary initiatives within School units, other university faculties, departments, and academic institutions.
- The School reaffirms its role in developing quality public education and its role as an active ally with other post-secondary institutions, government, and voluntary organizations within sports and recreation sectors.

## **Justification**

The School recognizes that traditional models of health care and treatment of acute and chronic illness are now undergoing revision. Conventional approaches to wellness, emphasizing such well known *curative* facets of health care as physicians and hospitals, better diagnoses, and more efficient surgeries, are increasingly supplanted by less costly emphases upon *preventative* approaches to illness and disease that recognize the complex biological, psychosocial, sociocultural, and behavioral bases of health and disease. Indeed, many preventable causes of death and early morbidity and disability burden a society increasingly unable or unwilling to fund usual health-care delivery systems. The role of prevention in health care has been acknowledged by all of the new Canadian Institutes for Health Research (CIHR), which underlines issues of “health promotion” and “prevention” as crucial parts of their mandates.

The School of Physical and Health Education, by virtue of its definition of health, is strategically placed to take advantage of the shift away from conventional definitions of health and wellness. The School will become increasingly proactive in these areas by promoting innovative views of health and productivity. The School's core values realized in its curricula will emphasize the varied roles for physical activity in the determination of health and wellness and performance.

## **Goals & Objectives**

The current size of the School and its diversity mean that it cannot do all things for all people. We underline the point that in strengthening our existing program, we must make choices. Hence we stress the following goals and objectives as key to our commitment to health and wellness over the next five years:

1. In both teaching and research the School will increase its emphasis on physical activity as it relates to health and human performance.
2. The School will increase its emphasis upon the development of teaching methods, learning strategies, and research initiatives relating to health, wellness, and performance.
3. The School will underscore themes of prevention, self-knowledge, and self-reliance in its curricular focus upon health-related concerns and issues.
4. The School will provide students with a clearer comprehension of the relationship between their degree programs and choice of vocational outcomes. For a number of reasons, students in liberal arts now seek increased assurance and accountability from universities for their future employment.
5. The School will strengthen coordination of the substantive content between the disciplinary and the professional undergraduate curriculum so that the School's mission is identifiable and achievable within this important nexus.
6. The School will emphasize promotion of its programs - publicizing the strengths and results of the strong interdisciplinary nature of professional, science, and arts courses - and accentuating the ways in which our professional activity courses relate to issues of health, wellness and performance.
7. The School will maintain and improve the program of practicum courses that provide students with the fundamentals of specific activities and allow them to introduce these activities to others.
8. The School will improve the level of community involvement (the School with the community and the community with the School) in program development and student placement opportunities.
9. The School will enroll well-qualified and well-rounded secondary school graduates from Ontario and other Canadian provinces who are vitally interested in the profession of physical and health education in the broadest sense of the School mission statement.
10. The School will work to improve the academic environment for our graduate students through enhancing opportunities for interaction across sub-disciplines, improving infrastructure support for teaching assistants, and creating funding opportunities to reduce differences between the natural and social science students.
11. Through its graduate program, the School will develop leaders in the broad field of health promotion and disease prevention as researchers, postsecondary teachers, program administrators and related vocations.

## **UNDERGRADUATE PROGRAM**

### **Concurrent BPHE Program**

#### Degrees Offered:

- Bachelor of Arts (Minor or Honours) / Bachelor of Physical and Health Education (B.A./B.P.H.E.)
- Bachelor of Science (General or Honours) / Bachelor of Physical and Health Education (B.Sc./B.P.H.E.)

The School of Physical and Health Education offers its students the only program of its kind in Canada, allowing students to complete both an Arts or Science degree as well as a Physical and Health Education degree concurrently within four years of study. The Bachelor of Arts/Science and Bachelor of Physical and Health Education programs are designed to meet the needs of students with widely differing interests and aspirations in the field of sport, fitness and physical activity.

Flexibility is a hallmark of the program, as students may take courses in Arts, Science, Commerce, etc., as well as Physical Education theory and practicum courses while completing their degrees. At the same time, career preparation is maximized through the focus of study into one of four streams: professional, biological sciences, social sciences, and pre-teacher preparation. A strong core program of study is complemented by a broad selection of options to specialize in areas such as: exercise physiology, biomechanics, psychology of sport and exercise, socio-cultural dimensions of sport and physical activity, and fitness.

Within each year of the program, students take more courses than other students in Arts and Science in order to complete the requirements of two degrees, either BA/BPHE or BSc/BPHE. Students can complete the core courses within the BPHE program by the end of second year and then focus on their main interest areas within Physical and Health Education as well as in their Arts or Science program. Students can focus their BPHE program toward the biological science stream for the purpose of leading to careers in exercise rehabilitation, biomechanics, ergonomics, applied health and fitness, and the medical and rehabilitation fields. The social sciences stream can lead to sport and exercise psychology, fitness and lifestyle consultation and socio-cultural studies. The professional stream opens the doors for teaching, fitness leadership, coaching, and athletic therapy, to name a few. The specific stream for teaching is the subject of specialization (SSP) that focuses on pre-teacher preparation and is based on the Canadian Council of Physical Education and Kinesiology Administrators (CCUPEKA) accredited program in teacher preparation.

Students must complete 10.0 concentration credits for the special field concentration in the BPHE degree as well as 3.0 Arts and Science credits (PSYC 100, ANAT 315/316, PHGY 210). The concentration credits include the core program (3.5 credits), at least 3.0 credits at the 300 level or above and at least 0.5 credits at the 400 level or above from a selection of discipline-based courses. The core curriculum includes the following set of courses:

PHED 105*	Professional Development in Physical and Health Education
PHED 107*	Fundamental Activity Practicum
PHED 153*	Introductory Biomechanics
PHED 155*	Introductory Exercise Physiology

PHED 165\* Introduction to the Psychology of Sport and Exercise  
PHED 167\* Socio-Cultural Dimensions of Sport and Physical Activity  
PHED 001 Aquatics Competency Assessment – non credit  
PHED 261\* Motor Learning and Control

The additional requirements for the SSP stream in pre-teacher training include:

PHED 237\* Physical Activities for the Preadolescent  
PHED 241\* Sport and Society  
PHED 333\* Sport, Recreation and Exercise for Persons with Disabilities

plus

0.5 credits from the HLTH options

1.5 credits from the activity options

(\* denotes 0.5 credit weight, i.e. one semester course)

Over the past calendar year, the undergraduate office has been kept busy staying abreast of a number of major administration changes with immediate and not-too-distant future implementation dates. The most significant of these changes include more rigorous measures surrounding student confidentiality, a new system of preregistration for the 2003-04 academic cycle, enrolment management strategies, central timetabling of all courses, a new degree audit program, and various changes related to degrees (e.g. granting of degrees with distinction, removal of class of degree, etc.)



## **Admissions Summary for September 2002**

### First Year Admissions

The concurrent BPHE program attracts a high number of applicants on an annual basis, and ranks within the top three most popular undergraduate programs at Queen's. One of the most attractive features is that students complete two degrees – a BA and BPHE or a BSC and BPHE – over the duration of the program.

The entry requirements to the concurrent BPHE program are OAC (or equivalent) Chemistry and Biology, in addition to the OAC (or equivalent) English that is required for access to all Queen's programs. In addition, students applying to the BSC program must meet the entry requirements for that program. All applicants to the BPHE program must complete a Personal Information Form (PIF), indicating involvement and achievements outside the classroom. The PIF is assessed a score out of 20 that is added to the admissions average to achieve a composite score. Entry to the program is based on this composite score.

### **Number of Applications by Gender / Program**

	<b>Male</b>	<b>Female</b>	<b>BA-BPHE</b>	<b>BSC-BPHE</b>	<b>Total</b>
Applications			297	570	867
Offers	51	160	56	155	211
Acceptances	14	78	21	71	92
Registration Count on November 1 <sup>st</sup>	13	71	20	64	84

### **Source of Applications**

	<b>Ontario</b>	<b>Other Provinces</b>	<b>International</b>	<b>Total</b>
Applications	748	117	2	867
Offers	201	8	2	211
Acceptances	88	2	2	92
Registration Count on November 1 <sup>st</sup>	80	2	2	84

### **Entering Average Distribution**

	<b>75-79.9%</b>	<b>80-85%</b>	<b>85-90%</b>	<b>90-93%</b>	<b>Above 93%</b>
Number of students in range	2%	30%	43.5%	21%	3.5%

- 66 offers for scholarships, awards or bursaries were extended with the offers of admission.
- Two students were offered and accepted a Queen's Chancellor's Scholarship.

### **PIF Score Distribution**

	<b>PIF of 20</b>	<b>PIF of 17</b>	<b>PIF of 14</b>	<b>PIF of 11</b>	<b>PIF of 8</b>
Number of students in range	9%	31.5%	41%	15%	3.5%

### Transfer Admissions

Each year a large number of candidates also apply for entry to the concurrent BPHE program as transfer students. Typically the ratio of internal to external applicants is two to one and the total number of offers extended is between four and eight. In June 2002 approximately 35 students applied to transfer to the BPHE program for the 2002-03 academic cycle. Ten offers of admission were made, with all ten individuals accepting the offer to transfer into the concurrent program.

#### **Transfer Requests for June 2002**

	<b>Male</b>	<b>Female</b>	<b>BA-BPHE</b>	<b>BSC-BPHE</b>	<b>Total</b>
Applications – Int					~ 20
Applications – Ext					~ 15
Acceptances – Int	2	6	5	3	8
Acceptances – Ext	2	0	2	0	2

### ***Undergraduate Enrolment***

The overall undergraduate enrolment in the School of Physical and Health Education is approximately 375 students. The number of students per year is generally around 90 students.

#### **Enrolment by Year for 2002-03**

	<b>Male</b>	<b>Female</b>	<b>BA-BPHE</b>	<b>BSC-BPHE</b>	<b>Total</b>
PHE '06	13	71	20	64	84
PHE '05	28	65	41 BA 2 BAH	48 BSC 2 BSCH	93
PHE '04	29	62	31 BA 4 BAH	41 BSC 15 BSCH	91
PHE '03	26	63	39 BA 8 BAH	34 BSC 8 BSCH	89
Active 5 <sup>th</sup> year	4	12	9 BA 2 BAH	3 BSC 2 BSCH	16
Total	100	273	156	217	373

### Students on Exchange or Letters of Permission

Typically students participate in exchange programs in the third year of their university career. Over the past several years, two or three students from the concurrent BPHE program have participated in an exchange each year. The most common destination over the past five years has been schools in the British Isles, usually Scotland or England. Most students will try to take courses towards both their BPHE and Arts and Science degrees while away on exchange, however not all schools offer Physical Education courses. On the receiving end, it is usual for at least two students to be visiting our program on exchange of letter of permission from a university abroad or from across Canada.

### **Exchange & Visiting Students in 2002-03**

	<b>Male</b>	<b>Female</b>	<b>Institution</b>	<b>Total</b>
Students Away on Exchange		2	Edinburgh, Scotland (1) U Victoria (1)	2
Students Studying Abroad				0
Exchange Students Visiting				0
Students Completing Courses on LOP Away		2	Ottawa U (1) McMaster (1)	2
LOP Students Visiting Queen's		1	Laurentian	1

### **BPHE Program Highlights**

#### ***A. SSP in Physical Education Pre-Teacher Preparation***

In September 2001, the School of Physical and Health Education introduced a subject of specialization (SSP) in pre-teacher preparation. The SSP option is designed for BPHE candidates who are interested in pursuing a career in teaching Physical and Health Education in the elementary and secondary school systems. Successful completion of the SSP program will allow students who declare an interest in teacher preparation to receive documentation indicated that they have completed a Physical Education Pre-Teacher Preparation Program accredited by the Canadian Council of University Physical Education and Kinesiology Administrators (CCUPEKA).

Typically one third to 40 per cent of all students entering the concurrent BPHE program indicate an interest in a teaching profession. This stream allows those students to receive optimal training for teaching through the selection of designated courses.

#### **SSP Enrolment in 2002-03**

PHE '06	Undeclared until end of first year
PHE '05	5
PHE '04	39
PHE '03	Program not available for this class

#### ***B. Key Undergraduate Curriculum Revisions***

The October 2002 curriculum submission from the School of Physical and Health Education was extensive and one of the largest in recent years. It included a considerable number of 'house-keeping' items such as changes to course names, prerequisites and calendar descriptions, as well as more substantive changes in the categories of course additions, course deletions and program revisions.

BPHE Program Revisions:

- Addition of eight new option courses to BPHE SPF and SSP PHED programs.
- Deletion of three option courses from the BPHE SPF and SSP PHED programs.

Course Additions to BPHE Program:

- PHED 357\* Exercise, Nutrition and Metabolism
- PHED 359\* Cardiovascular and Respiratory Regulation in Exercise

These exercise physiology courses will replace the discontinued PHED 455\* and be offered in alternate years commencing in 2003-04.

- PHED 393\* Special Topics in Physical and Health Education
- HLTH 397\* Special Topics in Health Studies

These courses were introduced to address a need for special topics offerings at other than the 400 level.

- PHED 454\* Applications in Biomechanics

This advanced biomechanics course replaces PHED 453\*, which was project based and tended to attract very few students.

- HLTH 325\* Epidemiology of Physical Activity, Fitness and Health

HLTH 325\* is the permanent number and name attached to the new course offered by Peter Katzmarzyk, which was offered under the special topics course number in 2002-03.

- PHED 595 Independent Research Proposal and Project
- HLTH 456\* Survey of Research and Literature in Health Studies

These independent study offerings represent an increase in the options available to students who wish to pursue in depth study of a specific topic area. HLTH 456\* parallels the already existing PHED 456\* and allows for an intensive survey of literature and research in the health area. PHED 595 is a full credit independent study course that mirrors a graduating undergraduate thesis. It is expected that students will complete the research proposal and literature review in the first term and carry out the actual research in the winter term.

Course Deletions from BPHE Program:

- PHED 407\* Advanced Practicum II

PHED 407\* has been discontinued due to limited student interest, lack on stable leadership and financial constraints.

- PHED 453\* Advanced Biomechanics
- PHED 455\* Physiology of Exercise

As noted above, these courses have been discontinued. PHED 453\* will be retired for the time being, and if interest increases, might be resurrected at a later date. PHED 455\* has been replaced with two half credit courses that will each focus on the key aspects formerly covered in PHED 455\* (metabolism and cardio-vascular regulation) in a full semester course. The main implication of removing PHED 455\* from our offerings is that the instructional responsibilities for PT 342\*, previously taught in conjunction with PHED 455\*, will now lie with the School of Rehabilitation Therapy.

### **C. THANK-Q Program**

In April 2002, the graduating class of PHED 2002 pledged funds for artwork through the annual THANK-Q Program. A photo montage depicting activities in the School of Physical and Health Education is currently being developed and will be displayed in the main lobby near the entrance to the School.

### **D. Undergraduate Achievements, Awards & Scholarships**

#### **Graduating Class of 2002**

Between the Convocation ceremonies held in June and October, 68 students graduated from the concurrent BPHE program in 2002. Twenty-six students graduated with a general Bachelor of Arts (BA) and their BPHE degree; 35 students graduated with a general Bachelor of Science (BSC), one student graduated with an honours Bachelor of Arts (BAH) and one student graduated with an honours Bachelor of Science (BSCH). Five students received their BPHE degree only.

Eight students were awarded their BPHE degree with distinction (that is, 80 per cent or better in all four years on the BPHE portion of the program).

Valerie McLeod, BSC-BPHE  
Margot Leney, BA-BPHE  
Andrea Rivington, BSC-BPHE  
Natasha Saunders, BSC-BPHE  
Amy Smith, BSC-BPHE  
Emily Stevenson, BSC-BPHE  
Vikram Venkateswaran, BSC-BPHE  
Jennifer Whittingham, BSC-BPHE

Emily Stevenson was awarded the Medal in Physical and Health Education as the top student in the subject area.

#### **Dean's Honour List with Distinction** (top 3% in program)

8 students in total (two per year)

#### **Dean's Honour List** (achieve 80% or better in the academic year)

First year	6 students
Second year	18 students
Third year	19 students
Fourth year	25 students

The total number of students on the Dean's Honour List and Dean's Honour List with Distinction in 2001-02 was 76, representing 21 per cent of the students eligible for consideration.

## Major Undergraduate Awards

Award	Recipient
C.A.H.P.E.R.D. Undergraduate Student Award	Brittany Mathers
CSEP Medallion	Valerie McLeod
Danielle Polk Memorial Award	Liz Kirk
Don Krestel Memorial Award	Tara-Lynn Bennett
Fred Lamble Bartlett Award	Tara-Lynn Bennett
Mark Howard Pentland Memorial Award	Nathanael Johnson
Ontario Hockey Association Scholarship	Tyson Plesuk and Anthony Slater
PHE 50 <sup>th</sup> Reunion Volunteer Recognition Award – 2 <sup>nd</sup> yr	Not awarded in 2002
PHE 50 <sup>th</sup> Reunion Volunteer Recognition Award – 3 <sup>rd</sup> yr	Not awarded in 2002
PHE '75 Book Prize	Rachelle Good
Reuben Wells Leonard Scholarship – Entering 4 <sup>th</sup> yr	Brooke Biggs
Reuben Wells Leonard Scholarship – Entering 3 <sup>rd</sup> yr	Kristin Giller
Ron Steward Physical Education Prize	Anthony Slater
Stephen J. Hobbs Award	Meghan Marley

### BPHE Students on CIS Academic All Canadian List

Each year the Canadian Interuniversity Sport (CIS) union names student-athletes to the Academic All Canadian list for attaining at least an 80 per cent overall academic average while competing in a CIS sport. In June of 2002, 12 of the 99 students named to this list at Queen's University were students in the concurrent BPHE program.

### BPHE Students on OUA Academic All Star List

Each year the Ontario University Association (OUA) for interuniversity sport names student-athletes to the Academic All Canadian list. As with the CIS Academic All Canadian listing, students must attain at least an 80 per cent overall academic average in order to receive this honour. In June of 2002, 7 of the 87 students named to this list at Queen's University were students in the concurrent BPHE program.

## **HEALTH STUDIES PROGRAM**

Degrees Granted:

- Bachelor of Arts Minor in Health Studies - 3 years; 15.0 credits
- Bachelor of Arts Honours Medial in Health Studies - 4 years; 19.0 credits

Health Studies is a popular interdisciplinary program administered through the School of Physical and Health Education. Health Studies is a social science concentration focusing on the enhancement of health and wellness from an individual and population perspective. Being a social science concentration, most courses are based in the humanities and socio-cultural disciplines, versus the natural sciences. Arts and Science students may work towards a B.A. degree with a minor concentration in Health Studies, or when combined with another discipline, a B.A. (Honours) degree with a medial concentration in Health Studies.

The Health Studies program is interdisciplinary in content, with option courses from a variety of departments including Physical and Health Education, Women's Studies, Nursing Science, Psychology, Philosophy, and Sociology, among others. The concentration builds on the foundation courses of Contemporary Issues in Health (HLTH 231\*) and Introductory Human Anatomy (ANAT 101\*) plus a supporting course in Principles of Psychology (PSYC 100). Students in this concentration often combine their interest in health and wellness with a complementary social science concentration (for example, Psychology, Sociology, Women's Studies, etc.) for the purpose of pursuing employment with health care agencies, regional health units, and various community associations. Students considering graduate work in the Health field will require a minimum of the medial concentration to pursue further studies.

The breadth of course offerings and the flexibility of course selection provides students with the opportunity to either focus on a particular aspect of the Health field, for example nutrition or aging, or to attain a broader understanding of health-related issues through a diverse selection of courses. Some of the more popular course selections include Abnormal Psychology, Biomedical Ethics, Sociology of the Canadian Health Care System, and Physical Fitness and Wellness.

Admission requirements are the same as those for any other Bachelor of Arts concentration. Program specifics are available in the School of Physical and Health Education section of the *Arts and Science Calendar*.

Approximately 100 students are completing the Health Studies MED concentration. The most common medial combination is Health Studies and Psychology, with approximately one third of the students completing these concentrations. In addition, there are approximately 75 students registered in the HLTH MIN concentration.

In spring 2002, 13 students in the Faculty of Arts and Science were awarded their BAH MED HLTH and 10 students received a BA MIN HLTH. In the fall, one student received her BA MIN HLTH. An additional five students in the BPHE program also completed a BA MIN concentration in Health Studies.

### **Key Curriculum Developments in Health Studies**

The most significant curriculum developments in the Health Studies concentration were program revisions that included the introduction of degree requirements. These included stricter course prerequisites, new MIN and MED program criteria and minimum requirements for acceptance into one's honours year in the BAH MED HLTH program.

The curriculum submission in October 2002 included the following:

#### HLTH Program Revisions:

- HLTH 231\* prerequisite changed to a minimum grade of 60% in PSYC 100
- HLTH 231\* minimum grade required for HLTH MIN is now 65%
- HLTH 231\* minimum grade required for HLTH MED is now 70%
- HLTH MED entry to fourth year (non-HONS) requirements include an overall weighted average of 65% on HLTH 231\*, ANAT 101\* and PSYC 100.
- Admission to HONS in HLTH MED program is an overall weighted average of 65% on HLTH 231\*, ANAT 101\* and PSYC 100 *and* a minimum grade of 70% in HLTH 231\*. Students must also have completed at least 3.0 credits from the Health Studies option list, at least 2.0 of which must be at the 200 level or above.

#### BA MIN HLTH Course Additions:

- HLTH 325\* Epidemiology of Physical Activity, Fitness and Health
- HLTH 397\* Special Topics in Health Studies
- PHED 365\* Psychology of Physical Activity and Exercise
- PSYC 332\* Psychology of Health

#### BA MED HLTH Course Additions:

- HLTH 325\* Epidemiology of Physical Activity, Fitness and Health
- HLTH 397\* Special Topics in Health Studies
- HLTH 456\* Survey of Research and Literature in Health Studies
- PHED 365\* Psychology of Physical Activity and Exercise
- PSYC 332\* Psychology of Health



## **STUDENT ACCOMPLISHMENTS**

### ***PHESA Executive 2002-03***

Co-Presidents	Brittany Mathers Eddy Vance
Treasurer	Lauren Capstick
Communications	Tara Milley
Internal Affairs	Beth Wells
Alumni Affairs	Nathan Johnson
'03 Year Rep	Connie McDonald
'04 Year Reps	Dylan Walters
'05 Year Reps	Robin Glenney Math Rothwell
'06 Year Reps	Ashley Masterson Jackie Birch
Senior Academic	Mandy Arnold
Junior Academic	John Roberts
Activities	Meaghan Kinlin Julianna Beattie
Merchandise	Michelle Lau
WIC Reps	Ashley Schulze Jodi May
Bews Reps	Jay Gallant Brett Kane
ASUS Rep	Kate Thompson
Social	Melissa Brooks
Network Admin	Eric Wong Kai Pun

### ***PHESA Events***

1<sup>st</sup> PHESA Meeting  
Used Book Sale  
Homecoming Weekend  
PHESA Retreat – Landon Bay  
Run for the Cure  
1<sup>st</sup> & 4<sup>th</sup> Year Afternoon BBQ  
PHE Smoker – Alfies  
Cover Your Crest  
PHE Halloween Party  
PHE Pub Crawl  
PHE Grad School Opportunities Info Fair  
Our Toes Are PHEroze Kick Off  
PHE Semi-Formal – Iron Horse Saloon

### ***PHESA Involvement***

Wellness Road Show  
Student Initiatives  
Representation on Active Schools Committee  
Cardio Cube  
Peer Tutoring Program

## **GRADUATE PROGRAM**

The School of Physical and Health Education offers the following graduate degree programs:

- Master of Arts in the "Social Sciences" (Psychology of Exercise and Sport; Sociology of Sport; Human Expert Performance)
- Master of Science in the "Natural Sciences" (Biomechanics/ Ergonomics; Physiology of Exercise)
- Doctor of Philosophy In "Applied Exercise Science."

The School's research programs are recognized both nationally and internationally, providing students with a top quality learning experience. The Graduate Program is led by dedicated faculty who have achieved worldwide experience in the broad field of health promotion, disease prevention and healthy sports participation.

The Graduate Program averages a total of 30 full time students per year. Seven students graduated during the 2002 calendar year. This included 2 M.A. students, 4 M.Sc. students and 1 Ph.D. student. There were 13 new students admitted to the graduate program within the 2002 calendar year which included 7 M.Sc. candidates, 1 MA candidate, and 4 Ph.D. students.

The Graduate Orientation Week was conducted from 3-6 September 2002. Activities included special sessions on goals and expectations, human rights, health and safety, an interactive TA roundtable discussion and a special TA training session for new TAs. All sessions were well attended by graduate students and faculty members.

### ***Graduate Student Accomplishments 2002:***

- Mohammad Abdoli E won Student Award for presentation at the International Society of Occupational Ergonomics and Safety Conference – 2002
- Nomusa Mngoma won admission to the Canadian Institute of Health Research *Work Disability Prevention CIHR Strategic Training Program.* – 2003
- Josh Good awarded the position of Coach of the National Capital Outaouais Alpine Ski Team – 2002 and is a member of the Solomon National Technical Testing Team - 2002

### ***Graduate Student External Awards 2002:***

- 3 Ontario Graduate Scholarships
- 2 Ontario Graduate Scholarships in Science and Technology
- 4 Samuel R. McLaughlin awards from Queen's University
- 1 Social Sciences and Humanities Research Council of Canada award

## **SUMMARY OF CURRENT RESEARCH**

### **Adams, Mary Louise (Socio-Cultural Studies)**

My research investigates sexuality and gender in sport. I am currently writing a book manuscript called "Artistic Impressions: Figure Skating, Masculinity and the Limits of Sport." Based on historical and contemporary sources, this project uses the history of figure skating to help us understand how definitions of masculinity have evolved over the last two hundred years. While figure skating is currently considered to be a "girl's sport," it was practiced almost exclusively by men in the 1800's. My work is an attempt to explain this shift and to study its consequences. Funded by the Social Sciences and Humanities Research Council, the project is primarily based on archival research. Sources for the project have been studies at the British

Library in London, at the National Library of Austria in Vienna, and at the National Library in Berlin. I also analyze media coverage of contemporary figure skating competitions. Recently I have begun a related project that looks at the history of representations of masculinity in dance.

### **Beamish, Rob (Socio-Cultural Studies)**

My research interests involve the development of critical social theory and its application to the understanding of sport. Of particular interest is the development of sport policy in Canada, the professionalization of high performance sport, and the use performance enhancing substances by high performance athletes. Dr. Beamish is currently working on a co-authored monograph that will critically examine the development of banned substance policy, banned substance use, and the health and rights of high performance athletes.

### **Costigan, Pat (Biomechanics)**

Those doing mobility research here at Queen's are quite excited about the upcoming year. Recent CFI funding for the Motor Performance Group was used to purchase several new pieces of equipment that will allow us to collect information on several different motion parameters simultaneously, including 3D motion, EMG, force, and metabolic measurements. This equipment will enable us to collect data from these systems simultaneously and integrate the results for a better understanding of the relationship among the systems and how they interact to restrict function. Using this equipment a new project will investigate the relationship between mechanical and metabolic energy requirements during walking in a young healthy group that, hopefully, will be expanded to patient populations such as stroke victims and other activities of daily living such as stair climbing. The ability to collect and combine all this information will improve our understanding how function is limited and enable us to design interventions to improve function.

Ongoing projects include a detailed examination of the mechanical, psychological and social factors that influence how someone perceives their health status. Twenty subjects have been collected with 40 more to go. Data collection on a young normal group going up and down stairs in different ways (step-by-step or step-over-step) has been completed and data processing and analysis is underway. The results will help us describe the loading effects of different step methods and will be used as benchmark data in future studies on patient populations. Finally, a undergraduate project is being written up that collected data on toe-out walking. These data will be used to examine this particular gait compensation used by people suffering knee pain and try to help us understand how knee loads can be altered by altering walking style.

Several studies have been completed this year in the gait testing laboratory. An exercise intervention program on OA patients that began last year has been completed. Preliminary analysis has shown that the exercise program improved quality of life measures and all participants reported feeling better during daily tasks. We are working on a more detailed analysis to discover which of the measured parameters best accounts for the patient's subjective feeling of improvement. As well, an interesting follow-up study has been completed. Twenty-eight out of 60 elderly normal subjects, that had served as control subjects anywhere from 5 to 11 years ago, volunteered to come back for a second round of gait testing. The results showed that subjects with normal gait patterns had no radiographic changes in their knee x-rays while subjects with abnormal gait patterns had extreme changes indicative of osteoarthritis. This

data strongly suggests that knee loads, as measured by gait analysis, could be used to predict progression of OA.

Work will continue the collection of control data for activities of daily living and the development of gait data reduction using principal component analysis. We will also be making improvements to collection and analysis protocols. The next major research project involves trying to quantify the role of lower limb proprioception in the development and progression of osteoarthritis.

### **Côté, Jean (Psychology of Sport and Physical Activity)**

My research focuses on understanding and facilitating the development of expertise and participation in sport and exercise. The development of expertise and participation is viewed broadly and includes important considerations such as the influence of significant individuals (families, coaches, peers), motivation and emotions, and teaching and learning. The developmental approach allows consideration of novice through expert individuals or from youth sport participants to world-class performers. Because sport provides a platform for learning and developing self-control, this line of research is relevant to standards for education. There is a growing body of literature in developmental psychology recognizing the importance of sport as a pro-social activity that can contribute to a positive life trajectory. Sport is an activity in which youth have reported experiencing the unusual combination of high intrinsic motivation and determined engagement over extended periods of time. Sport, therefore, is a context that is optimally suited to preparing youth to realize high levels of achievement throughout their lives. Through my research what we have learned about participation and expert performance in sport and its acquisition is application to understanding and improving competence in other domains such as school and the workplace. The ultimate objective of my research is for more people to attain competence at higher levels than ever before.

### **Deakin, Janice (Motor Behaviour)**

Two distinct areas of research are conducted within the motor behaviour laboratory. The first program area is devoted to the evaluation of the development of expert performance. Expertise has been examined in a variety of sport settings including figure skating, the martial arts, basketball and volleyball, with a view to understanding the constituent components underlying exceptional levels of performance. We have recently extended our investigation to include the influence of skill level of coaching behaviour.

The development of bona fide physical occupational requirements is the second research program in our laboratory. The development of empirical and statistical models for the establishment of physical occupational standards is a central component of this research theme. Graduate students in this program are routinely involved in large-scale data collections that involve physical demand analyses, task development and statistical modeling of specified occupations in the public sector.

### **Cantelon, Hart (Socio-Cultural Studies)**

My research focuses on social power as it is worked out in the sporting realm. Current projects include an investigation of the ski resort industry in Western Canada (funded by SSHRC) and the tensions that exist between global and local marketing initiatives; a comparison of state

policy around the funding of high performance sport in Canada, the United Kingdom and Norway; and a study of environmental concerns that arise in the context of mega-sports events like the Olympic Games. Previous research has looked at Canadian sport policy, the production of sport on television, and sport organization in the Soviet Union.

### **Katzmarzyk, Peter (Physical Activity Epidemiology)**

The focus of my research program over the next five years is on identifying genetic and non-genetic risk factors for obesity, coronary artery disease and type 2 diabetes, with a special emphasis on physical activity and physical fitness. Of particular interest is the relationship between risk factors in childhood and the future development of chronic conditions in adulthood. To this end, we have established a large network of collaborations with partners across Canada and the United States, and are currently involved with such studies as the Quebec Family Study, the Canada Fitness Survey, the HERITAGE Family Study and the Bogalusa Heart Study. We also use existing publicly available databases, including the National Population Health Surveys (NPHS) and U.S. National Health and Nutrition Examination Surveys (NHANES), to determine population-level trends in physical inactivity and obesity in order to determine the public health impact of these risk factors.

### **Lévesque, Lucie (Health and Exercise Psychology)**

Since my arrival last July I have successfully transferred my research activities to Queen's and have been actively cultivating new relationships with researchers and students who have similar and complementary interests to mine.

In my continued involvement as co-investigator of the CIHR funded Kahnawake Schools Diabetes Prevention Project (KSDPP), I continue to attend KSDPP research team meetings, supervise community researchers and staff, and meet with a graduate student from Université de Montréal whose Master's project I am co-supervising. Specific projects include continued evaluation of schoolchildren (e.g., physical activity, fitness, anthropometric measures, etc), and the development of a process evaluation method to examine how aspects of community ownership, empowerment, and capacity-building contribute to the success of health promotion programs. As well, I am involved in research dissemination to the community which is an essential ingredient for maintaining community support for my work. This interface with community allows me to gather necessary input for the culturally appropriate interpretation of research results that will be disseminated to the scientific community.

The objective of our CIHR funding, in the form of a Community Alliance for Health Research (CAHR) grant, is to study how the KSDPP diabetes prevention model can be disseminated to and adapted by other Aboriginal communities. I have thus been collaborating with the Tyendinaga Coalition for Healthy Lifestyles to mobilize community and stakeholder support for diabetes prevention in Tyendinaga. A first tangible outcome of our collaboration was a letter of intent to Health Canada's Primary Health Care Transition Fund to support the implementation and evaluation of diabetes prevention and care activities in Tyendinaga.

In line with the above endeavours, in the past year I have also put time towards developing my research network at Queen's and in the nearby Kahnien'kahaka (Mohawk) community of Tyendinaga (near Belleville, ON). I have been actively meeting with persons involved with Queen's Aboriginal network and on several occasions, have met with Dr. Walter Rosser, head of

Queen's Department of Family Medicine, to discuss a potential research collaboration around our mutual interest in Aboriginal health.

Within our own School, I have been involved in a collaborative effort, headed by Dr. Robert Ross, within a CIHR opportunity to develop a "New Emerging Team" to address obesity. Together with Dr. Ross, Dr. Peter Katzmarzyk, also from the School of Physical and Health Education, two other Queen's researchers and two American colleagues, our group successfully competed for funding to develop a full proposal to address the RFA. A successful outcome will lead to further collaboration with these colleagues.

### **Ross, Bob (Physiology of Exercise)**

Over the next five years our research program will focus on several objectives. The initial objective is twofold. First, to determine the mechanisms (processes) that explain the age-related deterioration in functional capacity and insulin resistance. Second, to develop effective, lifestyle based therapeutic strategies designed to reduce abdominal obesity, improve functional performance and cardiovascular risk profile in the elderly. It is anticipated that the results of this research will provide a better understanding of the processes that explain the age-related deterioration in glucose tolerance, thereby providing the basis for improved therapeutic strategies, the reduction in health risk, and an improved functional capacity among elderly persons. A second objective will be to develop and implement an effectiveness trial for obesity reduction. Along with our colleagues Drs' Katzmarzyk and Levesque from the School we have developed a "New Emerging Team" and have been awarded 1.6 million dollars from CIHR to implement a 5 year randomized control trial entitled: 'Prevention and Reduction of Obesity through Active Living (PROACTIVE): An Effectiveness Trial'. The primary aim of the PROACTIVE trial is to assess the effectiveness of a 24 month behaviourally based exercise and diet program to prevent and reduce obesity and related co-morbid conditions in abdominally obese men and women.

### **Smith, Geoff (Historical Studies of Sport)**

I am conducting research on a number of related items. I am interested in intersecting themes of sport, health, and security, especially in international contexts. I am currently working on two books, one tentatively titled "Contagious Subversion: Sex, Security, and the Cold War United States," the other "The Olympic Games in an Era of Revolution, 1960-1984". I also work on health related subjects, including the metaphorical usage (and popular culture appearances) of STDs in security discourse by elites, and the self-defeating character of "drug wars" from the Opium Wars of the 1840s through the current "war" in Latin America. I am an historian with experience in several fields, including cultural studies, sociology, and political science.

### **Stevenson, Joan (Biomechanics and Ergonomics)**

I am a full professor in occupational biomechanics with a cross-appointment to the School of Rehabilitation Therapy. Currently I am the Coordinator of the Ergonomics Research Group, the Ergonomics Consulting Program and the General Research Ethics Board at Queen's. I have worked with research teams on low back pain in industry, evaluation of lifting techniques and ergonomics programs in industry. I also lead a team of researchers in the design and evaluation of personal load carriage systems for the Canadian military and other NATO countries. I am currently working with research teams to develop design guidelines and educational programs for children's backpacks and to develop intervention strategies for low back pain.

## **Tschakovsky, Michael (Physiology of Exercise)**

Our laboratory is pursuing four (4) primary research initiatives.

Our first initiative is *The Venous Circulation: Regulatory Mechanisms and Functional Impact in Humans*. While the arterial side of the circulation is subject to intense study, relatively little is known about the venous system. This research program will foster the development of innovative combinations of existing non-invasive and invasive experimental approaches to investigate the role of veins in determining muscle blood flow adaptation and blood pressure regulation. The strength and significance of this research plan is the elucidation of venous control mechanisms and their function within the intact human system.

Our second initiative is the *Stimulus-Specificity of Flow-Mediated Vasoregulation in Humans*. Insight into the function of the vascular endothelium can be obtained by measuring the dilation of a blood vessel in response to increases in flow through that vessel. We have recently developed an exciting new technique which allows us to investigate details of the vascular endothelial responses to changes in blood flow through a large vessel like the brachial or carotid artery in humans.

Our third initiative is the *Characteristics and Mechanisms of Exercising Muscle Blood Flow Adaptation in Chronic Obstructive Pulmonary Disease: Role in Determining Exercise Tolerance*. The inability to engage in the normal activities of daily living is one of the most distressing experiences faced by people with chronic obstructive pulmonary disease (COPD). Exercise tolerance in these patients is markedly reduced. As a result these persons tend to avoid physical activity, and can decline into disability and social isolation. Understanding the causes of exercise intolerance in COPD is therefore critical.

Our fourth initiative is the *Blood Flow Dynamics in Exercising Muscle*. The adaptation of blood flow to exercising muscle is a critical determinant of muscle metabolism and therefore function in exercise. However, our understanding of the time course of this adaptation and the factors which affect this time course remains limited.

## **Larry Wolfe (Physiology of Exercise)**

The exercise/pregnancy research program was established in 1985. Its purpose is to gain new knowledge on physiological interactions between pregnancy and exercise and to generate evidence-based guidelines for exercise during pregnancy.

Current directions include effects of pregnancy on responses to prolonged exercise (supported by Canadian Forces Personnel Support Agency), causes of breathlessness (dyspnea) in healthy pregnancy (supported by William M. Spear Endowment Fund and Ontario Thoracic Society), changes in respiratory function in early pregnancy (supported by Ontario Thoracic Society as well as phasic menstrual cycle effects on acid-base regulation and respiratory chemoreflex sensitivity (supported by Ontario Thoracic Society).

In cooperation with other researchers at Queen's, we have developed a proposal to explore the usefulness of prenatal exercise to prevent or treat preeclampsia (a very serious and common maternal fetal disease with no known effective treatment). Grants from the Garfield Kelly Cardiovascular Research and Development Fund, the Advisory Research Committee and the Physicians' Services Incorporated Foundation have been received to support pilot work and equipment for this new research direction.

## **RESEARCH GRANTS**

<b>Funding Source</b>	<b>Project Title</b>	<b>Total Grant</b>	<b>Start/End</b>	<b>Researchers</b>
SSHRC	Figure Skating and the Representation of Gender in Sport	\$35,000	1999-2003	Adams, ML
German Academic Exchange Service	Language Learning Grant	\$4,700	2002	Adams, ML
Queen's University Self-funded Program	Government Sports Policy and Olympic Productivity	\$5,000	2001-2002	Cantelon, H
CIHR	Perceived Function in People with Knee Osteoarthritis	\$105,000	2002-2005	Costigan, PA
Queen's ARC	The relationship between knee proprioception and gait analysis	\$4,500	2002-2003	Costigan, PA
J&J / DePuy	An investigation of TKR kinematics on patient performance	\$80,000	Sept 1999-Sept 2001	Rudan , Bryant, Costigan, PA
SulzerMedica	The kinematic differences between a fixed and rotating platform knee implant	\$56,000	Sept 1999-Sept 2001	Costigan, PA, Wyss
Canadian Hockey Association	The Role of Parents in Children's Hockey Participation	\$ 5,927	2001-2002	Côté, J
SSHRC	The Roles of Families in Children Involvement in Sport	\$80,867	1999-2002	Côté, J
SSHRC	Cognitive effort and reflection as the common basis for deliberate practice	\$63,806	1999-2003	Van Gyn, G & Deakin, JM
SSHRC	A Lifespan Perspective on Sport Performance and Commitment	\$91,344	2002-2005	Côté, J (PI), Deakin, JM
SSHRC	Neighbourhood and Individual-level Determinants of Inequities In Physical Activity and Health	\$621,997	2001-2004	Katzmarzyk, P
Heart and Stroke Foundation	Obesity, Gender and Future Coronary Heart Disease Risk in Canada	\$75,000	2002-2005	Katzmarzyk, P
CIHR	Prevention and Reduction of Obesity Through Active Living (PROACTIVE)	\$4,700	2002	Katzmarzyk, P
CIHR	Prevention and Reduction of Obesity Through Active Living (PROACTIVE): An Effectiveness Trial	\$4,700	2002	Lévesque, L



<b>Funding Source</b>	<b>Project Title</b>	<b>Total Grant</b>	<b>Start/End</b>	<b>Researchers</b>
CIHR	Kahnawake Centre for Research and Training in Diabetes Prevention	\$2,559,232	2001-2006	Lévesque, L
CIHR	Diabetes in the Aboriginal Population: Defining, Understanding and Controlling and Emerging Epidemic	\$2,531,685	2001-2006	Lévesque, L
Hoffman La Roche	Reducing Obesity...Elderly	\$200,000 (US \$)	2002-2007	Ross, R
CIHR	New Emerging Team (Development Grant for Submission of Full Proposal)	\$5,000,000	2002	Ross, R
Heart and Stroke Foundation	Obesity Reduction	\$75,000	2002-2005	Ross, R
CIHR	Reducing Obesity ... elderly	\$675,000	2002-2007	Ross, R
CIHR	Equipment Grant	\$63,000	2001	Ross, R
NSERC-CHRP	Adenosine and Caffeine	\$409,875	2001-2003	Ross, R
CIHR	Reducing Obesity	\$216,000	1999-2002	Ross, R
Mars Corporation (USA)	Reducing Obesity	\$30,000 (US)	2000-2002	Ross, R
Premiere's Research Excellence Award		\$100,000	1999-2004	Ross, R
Premiere's Research Excellence Award		\$50,000 (US)	1999-2004	Ross, R
Queen's SGSR	International Travel Fund	\$1,500	2002	Smith, G
PWGSC-DCIEM	Development of a Dynamic Biomechanical Model of Human Load Carriage – Phase 4	\$95,075	2002–2003	Stevenson JM, Bryant, JT, Morin EL
PWGSC	Development of a Portable Measurement System for Biomechanical Data: Phase 2 & 3	\$144,750	2002–2003	Morin, EI, Stevenson, JM, Bryant, JT
WSIB	Preventing Chronic Disability: A Sub-acute Cognitive-Behavioural Disability management Program for Occupational Injury to the Lower Back	\$191,400	2002-2004	Tripp, D, Stevenson, JM, Faris, M
Queen's Travel Grant	Students to International Congress of Biomechanics	\$1,000	2002	Stevenson, JM
Queen's Visiting Scholar	Heidi Orloff	\$3,075	2002	Stevenson, JM

<b>Funding Source</b>	<b>Project Title</b>	<b>Total Grant</b>	<b>Start/End</b>	<b>Researchers</b>
WSIB	Evaluation of Whole Body Vibration Seat Mechanics and Sitting Posture in Large Mobile Equipment	\$246,324	2002-2004	Eger, Salmoni, Plamondon, Stevenson, JM, Boileau, LaRiviere, Delistle, Labelle
PWGSC-DCIEM	Development of a Dynamic Biomechanical Model of Human Load Carriage – Phase 1	\$ 69,280	2001-2002	Stevenson JM, Bryant, JT, Morin EL, Pelot, RP
PWGSC-DCIEM	Development of a Dynamic Biomechanical Model of Human Load Carriage- Phase 2	\$ 80,910	2001	Stevenson JM, Bryant, JT, Morin EL, Pelot, RP
PWGSC-DCIEM	Development of a Dynamic Biomechanical Model of Human Load Carriage- Phase 3	\$ 80,420	2001-2002	Stevenson JM, Bryant, JT, Morin EL, Pelot, RP
PWGSC-DCIEM	Feasibility of a Portable Measurement System	\$ 161,400	2000-2001	Morin EL, Stevenson JM, Bryant, JT
PWGSC-DCIEM	Portable Data Acquisition System	\$ 144,750	2001-2002	Morin EL, Stevenson JM, Bryant, JT
NSERC Operating Grant	Biomechanical and statistical strategies to study technique and strength attributes that affect lifting performance	\$ 145,000	2001-2005	Stevenson, JM, Smith JT
NSERC Operating Grant	The Venous Circulation: Regulatory Mechanisms and Functional Impact in Humans	\$115,200	2002-2005	Tschakovsky, ME
Ontario Thoracic Society Block Term Grant	Exercise Intolerance in COPD: Impaired Adaptation of Limb Oxygen Delivery to Exercise	\$\$20,304	2002-2003	Tschakovsky, ME
Ontario Thoracic Society Grant-in-Aid	Limb Oxygen Delivery Adaptation to Exercise in COPD...	\$69,996	2002-2003	Tschakovsky, ME
CFI New Opportunities Fund	Human Vascular Control in Health, Exercise and Disease	\$400,000	2001	Tschakovsky, ME

<b>Funding Source</b>	<b>Project Title</b>	<b>Total Grant</b>	<b>Start/End</b>	<b>Researchers</b>
Queen's ARC	The Role of Venous Pressure in Determining Muscle Blood Flow in Humans: Investigating the Muscle Pump	\$20,000	2001-2002	Tschakovsky, ME
Ontario Thoracic Society	Respiratory Limitation to Exercise Tolerance in Late Gestation: Fact or Fiction? (Operating Grant)	\$28,455	2002-2003	Wolfe, LA (two others)
Ontario Thoracic Society	Equipment Request for Studies of Acid-Base Regulation and Chemical Control of Ventilation	\$9,000	2002-2003	Wolfe, LA
Spear Foundation For Pulmonary Research	Respiratory Limitation to Exercise Tolerance in Late Gestation: Fact or Fiction? (Equipment Grant)	\$8,000	2002-2003	Wolfe, LA
Canadian Forces Personal Support Agency (DND)	Effects of Human Pregnancy on Acid-Base Balance, Temperature Regulation and Fluid/Electrolyte Balance During Prolonged Exercise	\$35,000	March 24, 2000 to completion	Wolfe, LA
Ontario Thoracic Society	Early Human Pregnancy: A New Model for the Study of Chemical Control of Ventilation	\$24,300	1999-2002	Wolfe, LA & Davies, GAL
Defense Women's Health Research Program (US Army)	Effects of Human Pregnancy on Responses to Exercise Above and Below the Ventilatory Anaerobic Threshold	\$184,768 US	1996-2001	Wolfe, LA

## Graduate Students – Status in Program

### Degree – MA

Name	Supervisor(s)	Year Started
Allain, Kristi	Cantelon, H	2001
Charpentier, Karine	Côté, J	2002
Horton, Sean	Deakin, J	2001
MacEwen, Leslie	Smith, GS	2001
Overend, Alissa	Adams, ML	2001
Trainor, Teresa	Côté, J	1998
Wall, Michael	Côté, J	2001

### Degree – MSc

Name	Supervisor(s)	Year Started
Brackley, Heather	Stevenson, J	2002
Cross, Giselle	Costigan, P	2002
Dwyer, Erin	Tschakovsky, ME	2001
Glenn, Nicole	Wolfe, LA	2001
Good, Josh	Stevenson, J	2001
Jensen, Dennis	Wolfe, L	2001
Kilpatrick, Katherine (PT)	Ross, R	1999
Kuk, Jennifer	Ross, R	2001
Musselman, Reilly	Costigan, P	2001
Pyke, Kyra	Tschakovsky, ME	2001
Rogers, Anna	Tschakovsky, ME	2002
Saunders, Natasha	Tschakovsky, ME	2002
Slatkovsky, Lubomira	Wolfe, LA	2002
Watts, Meghan	Ross, R	2002
Weissgerber, Tracy	Wolfe, LA	2001
Wirch, Jennifer	Wolfe, LA	2002
Wong, Suzy-Lai	Ross, R	2001

### Degree - PhD

Name	Supervisor(s)	Yr Started
Abdoli, Mohammed	Stevenson, J	2001
Al-Ghamdi, Mohammad	Costigan, P	1999
Ardern, Christopher	Katzmarzyk, P	2002
Baker, Joseph	Deakin, J & Côté, J	1999
Davidson, Lance	Ross, R	2002
Eger, Tammy (PT)	Stevenson, J	2002
Fraser-Thomas, Jessica	Côté, J / Deakin, J	2002
Lamour-Trode, Sherrey (PT)	Stevenson, J	2001
Lee, So Jung	Ross, R	2001
Lynn, Scott	Costigan, P	2002
MacNeil, Steven K	Costigan, P	1998
Mngoma, Nomusa (PT)	Stevenson, J	1998
Robertson-Wilson, Jennifer	Deakin, J / Lévesque, L	2002
Wicke, Jason	Costigan, P	2001

### Graduate Students (past five years)

Name	Degree Granted	Year	Thesis/Dissertation Topic	Post-Degree
Blaine, William <b>Ross</b>	MSc	2002	Estimation of Lean Mass By Bioelectrical Impedance Analysis: Influence of Training Frequency and Modality	Research Associate, Kingston General Hospital
Charlesworth, Sarah <b>Wolfe</b>	MSc	2002	Effects of Human Pregnancy on Physiological Responses to Prolonged Exercise	Teaching in Costa Rica. Hopes to pursue PhD next year
Ferguson, Tamara <b>Adams</b>	MA	2002	Salt Lake City's 2002 Bid, A Case Study of Anglo-Canadian Perceptions of the Olympic Ideal	Member of adjust teaching faculty at Queen's University
Hadcock, Lindsay <b>Stevenson</b>	MSc	2002	Factors Affecting Force Distribution on a Load Carriage System Waistbelt	Ergonomics Consultant, Phoenix, Kingston
Kos, Karen <b>Albinson</b>	MA	2002	The Divergence in Perceptions of the Acceptability of Physical Behaviors Among Professional Hockey Players	
Nguyen-Duy, Thanh-Binh <b>Ross</b>	MSc	2002	Independent Associations Among Abdominal Obesity, Cardiorespiratory Fitness, Liver Fat and Lipid Variables in Men	Industry
O'Sullivan, Tracey <b>Wolfe/Albinson</b>	PhD	2002	A Biopsychosocial Approach to Exercise	Fitness Consultant, Ottawa
Beamer, Madelyn <b>Côté</b>	MA	2001	The Development of Expertise in Rhythmic Gymnastics	Member of teaching faculty at Brock University
Bruff, Sandi <b>Albinson</b>	MA	2001	The Lived Experiences of Physical Training During First Year Orientation Camp at the Royal Military College of Canada	Member of faculty at Royal Military College, Kingston, ON
Cobley, Stephen <b>Deakin</b>	MA	2001	Evaluating the Microstructure of Practice: The Examination of Coach Expertise and Practice Structure.	Member of teaching faculty at Eastbourne U.K.
Freeman, Jennifer <b>Ross</b>	MSc	2001	Abdominal Adiposity, Skeletal Muscle Composition & Insulin Resistance in Overweight Pre-Menopausal Women	Working in health and fitness industry
Gleeson, Michael <b>Costigan</b>	MSc	2001	Stair-Climbing Ability & Leg Muscle Strength Following Total Knee Arthroplasty	Worked for six months in Africa with Olympic Aid; now a PhD candidate in Bioethics.

<b>Name</b>	<b>Degree Granted</b>	<b>Year</b>	<b>Thesis/Dissertation Topic</b>	<b>Post-Degree</b>
Heenan, Aaron <b>Wolfe</b>	PhD	2001	Human Pregnancy: An Integrated Model for the Study of Physiological Control Systems	CIHR Postdoctoral Fellow, School of Kinesiology, University of Western Ontario
Janssen, Ian <b>Ross</b>	PhD	2001	Linking Age-Related Changes in Skeletal Muscle Morphology with Metabolism & Disease	Postdoctoral Fellow, Tuft's University
Ready, Taryn <b>Albinson</b>	MA	2001	Physical Education: An Examination of the Experiences of Female Adolescents as Related to Their Self-Esteem & Body Esteem	
Robertson-Wilson, Jennifer <b>Deakin</b>	MA	2001	The Role of Parental Influences and Activity Involvement in the Development of Elite and Novice Hockey Players	PhD student at Queen's University
Soberlak, Peter <b>Côté</b>	MA	2001	A Retrospective Analysis of the Development and Motivation of Professional ice Hockey Players	Physical Education and Life Skills Coordinator, AILANTHUS Achievement Centre, Vancouver
Taylor, Mike <b>Adams</b>	MA	2001	Physical Education at the Royal Military College of Canada: A Case for Academic Accreditation	National Physical Fitness Manager, Canadian Forces, Ottawa
Wright, Andrew <b>Côté</b>	MA	2001	A Retrospective Analysis of Leadership Development Through Sport	Manager at Bell Mobility and providing sports consulting services
Aru, Jim <b>Ross</b>	MSc	2000	Abdominal Fat Distribution, Measured by Magnetic Resonance Imaging & Insulin Resistance	Attending Chiropractic College
Brown C. Ann <b>Wolfe</b>	PhD	2000	Autonomic Modulation of Heart Rate in Men and Women Following Coronary Artery Bypass Graft Surgery	Assistant Professor, School of Nursing, Queen's University
Myslivecek, Paula <b>Wolfe</b>	MSc	2000	Influence of Physical Conditioning and Reproductive State on Cardiac Autonomic Control in Healthy Women	Tennis Pro, Florida
Oakley, Paul <b>Costigan</b>	MSc	2000	Changes in Three-Dimensional Knee Kinematics & Kinetics Within Normative Gait Speeds	Attending Chiropractic School in Iowa
Potter, Derek <b>Costigan</b>	MSc	2000	Gait Analysis of a New Low Cost Foot Prosthetic for use in Developing Countries	Manager, Gait Lab for Queen's Centre for Enhanced Mobility
Albert, Wayne <b>Stevenson/ Costigan</b>	PhD	1999	Analysis of Freestyle Lift used by Experienced Lifters	Assistant Professor, School of Kinesiology, University of New Brunswick

<b>Name</b>	<b>Degree Granted</b>	<b>Year</b>	<b>Thesis/Dissertation Topic</b>	<b>Post-Degree</b>
Beachamp, Mark <b>Albinson</b>	MA	1999	An Examination of Pre-Performance Imagery Use by High and Low Performers From Golf and Tennis	PhD candidate
Fortier, Chris <b>Deakin</b>	MSc	1999	Instrumentation of Handles for Evaluation of One & Two Person Stretcher Tasks	Medical School at Queen's University
Houghton, Katherine <b>Albinson</b>	MA	1999	Widening the Frontier of Sport Psychology: an Examination of Sexual Abuse in Sport	PhD candidate, DeMontfor, England
Kirkwood, Kenneth <b>Cantelon</b>	MA	1999	Four Thematic Variations on the Decline of Sport	PhD candidate
Marcal, Marcio <b>Stevenson</b>	PhD	1999	Evaluation of Spinal Kinematics Using the Fastrak During the Truck Velocity Test	Assistant Professor, University of Minas Gervais, Brazil
Mazonni, Claudia <b>Stevenson</b>	PhD	1999	Impairment, Disability and Functional Assessment in Individuals Symptomatic of Upper Extremity Cumulative Traumatic Disorders	Assistant Professor, University of Minas Gervais, Brazil
Paddags, Anne <b>Ross</b>	MSc	1999	Effects of Exercise and/or Diet on Plasma Lipid & Lipoprotein Levels in Obese Women	Medical Student, University of Western Ontario
Rigby, Alan <b>Stevenson</b>	MSc	1999	Development of a Biomechanical Model and Validation of Assessment Tools for Personal Load Carriage Systems	Prosthetist in Calgary
Avery, Nicole <b>Wolfe</b>	MSc	1998	Effects of Human Pregnancy on Cardiac Autonomic Control Above & Below the Ventilatory Anaerobic Threshold	Attending Medical School in Australia
Dagnone, Joel <b>Ross</b>	MSc	1998	Separate Effects of Diet - & Exercise-Induced Weight Loss on Insulin Sensitivity	MD in Department of Medicine
Doan, Jonathan <b>Stevenson</b>	MSc	1998	Development of a Human Performance Scale for Load Carriage Systems	PhD student , University of Lethbridge
Eger, Tammy <b>Stevenson</b>	MSc	1998	Load Transfer to Hands During 2D Saggital Plane Box Lift	Adjunct Professor, School of PHE/Kinesiology, Laurentian University
Falzata, Maurizio <b>Cantelon</b>	MA	1998	The Future of the School Physical Education In Light of the Harris Government Educational Policies	Secondary school teacher in Hamilton, ON
Foster, Nicole <b>Wolfe</b>	MSc	1998	Associations Between Adipose Tissue Distribution Pattern & Insulin Sensitivity in Upper Body Obese Men	Cardiac Rehab Specialist, Sunnybrook Hospital, Toronto

<b>Name</b>	<b>Degree Granted</b>	<b>Year</b>	<b>Thesis/Dissertation Topic</b>	<b>Post-Degree</b>
Grant, Heather <b><i>Cantelon</i></b>	MA	1998	Sporting Experience and Images of Self-Esteem Among Adolescent Girls in a Compulsory P.E. School Setting.	Teacher & guidance counselor at Appleby College, Oakville, ON.
O'Hanley, John <b><i>Cantelon</i></b>	MA	1998	Women in Non-traditional Sport: the Rise and Popularity of Women's Rugby in Canada.	Teacher with Elk Island School Board, AB
Spencer, Gail <b><i>Stevenson</i></b>	MSc	1998	Computer Printing Devices: An Evaluation of Three Devices and their Effect on Wrist Position, Preference and Performance	Physiotherapist in Ottawa



## Graduate Seminar Series

<b>Date</b>	<b>Speaker</b>	<b>Title</b>
26 January 2002	Dr. Peter Donnelly, University of Toronto	The Crisis in School Sport in Ontario
09 February 2002	Dr. Larry Wolfe, PhD, Queen's University	Physiology of Exercise in Pregnancy: Recent Progress and Future Directions
02 March 2002	Dr. Jim Riordan, University of Stirling, Scotland	Methodology in Comparative Studies: Reflections in Soviet Sport
09 March 2002	Dr. Geoff Smith, PhD, Queen's University	Babe Didrikson Zaharias and Cold War Gender Politics
23 March 2002	Dr. Diane St. Marie, University of Ottawa	Gymnastic Judging: Investigating Memory Biases
06 April 2002	Dr. Michael Tschakovsky, PhD, Queen's University	Role of the Cardiovascular System in the Adaptation to Exercise
20 April 2002	Dr. Stuart Phillips, McMaster University	Muscle Protein Turnover in Humans: Maximizing the Anabolic Stimulus
20 September 2002	Dr Jean Fournier, PhD	Web Tool for Sport and Exercise Research
11 October 2002	Kyra Pyke, Queen's University	Sick blood vessels....how can we tell it's coming?
25 October 2002	Dr. Heidi Orloff	Children's Backpacks
01 November 2002	Dr. Melanie Rock	Death, taxes and the Midas Touch of Mary Tyler Moore: Why Canadian Politicians Have Promised to Prevent Diabetes
08 November 2002	Tracey Weissgerber, Queen's University	Protective Effects of Exercise Against Pregnancy Induced Hypertension
15 November 2002	Dr. Joey Eisenmann	Physical Activity and Energy Expenditure During Growth and Maturation
22 November 2002	Leslie McEwen, Queen's University	Puck Bunnies and Gender Issues in Junior Hockey
29 November 2002	Dr. Jean Côté, PhD, Queen's University	Application of Retrospective Methods to Understand Sport Commitment

## PUBLICATIONS (2002)

- *Refereed Journals*

Costigan, P.A., Deluzio, K.J. and Wyss, U.P. (2002) Knee and hip kinetics during normal stair climbing. Gait and Posture. 16: 31-37.

Maly, M., Culham, E.G. and Costigan, P.A. (2002) Static and dynamic biomechanics of foot orthoses in people with medial compartment knee osteoarthritis. Clinical Biomechanics. 17: 603-610.

Gilbert, W., Kulikov, N., Niino, A., Trudel, P. and Côté, J. (2002) Tracing the Development of Expertise in Coaching. Research Quarterly for Exercise and Sport. 73, S1.

Katzmarzyk, P.T., Hebebrand, J. and Bouchard, C. (2002) Spousal resemblance in the Canadian population: Implications for the obesity epidemic. International Journal of Obesity and Related Metabolic Disorders. 26: 241-246.

Fortier, M.D., Katzmarzyk, P.T. and Bouchard, C. (2002) Physical activity and seven-year changes in adiposity in Canada. Canadian Journal of Applied Physiology. 27: 449-462.

Tremblay, M.S., Katzmarzyk, P.T. and Willms, J.D. (2002) Temporal trends in overweight and obesity in Canada, 1981-1996. International Journal of Obesity and Related Metabolic Disorders. 26: 538-543.

Katzmarzyk, P.T. and Craig, C.L. (2002) Musculoskeletal fitness and risk of mortality. Medicine and Science in Sports and Exercise. 23: 740-744.

Katzmarzyk, P.T. (2002) The Canadian obesity epidemic, 1985-1998. Canadian Medical Association Journal. 166: 1039-1040.

Katzmarzyk, P.T., Craig, C.L. and Bouchard, C. (2002) Adiposity, adipose tissue distribution and mortality. International Journal of Obesity and Related Metabolic Disorders. 26: 1054-1059.

Hunt, M., Katzmarzyk, P.T., Pérusse, L., Rice, T., Rao, D.C. and Bouchard, C. (2002) Familial resemblance for seven-year changes in body mass and adiposity. Obesity Research. 10: 507-517.

Katzmarzyk, P.T. (2002) The Canadian obesity epidemic: An historical perspective. Obesity Research. 10: 666-674.

Bruce, M., Katzmarzyk, P.T. (2002) Canadian population trends in leisure-time physical activity levels, 1981-1998. Canadian Journal of Applied Physiology. 27: 681-690.

Lévesque, L. (2002) The Big Picture: Considering environmental influences upon physical activity involvement. ANIEmag (publication of the Association of National Instructors in Exercise). Vol. 3, pp. 12-13.

Ross, R., Freeman, J. Hudson, R. and Janssen I. Abdominal Adiposity, Skeletal Muscle Composition and Insulin Resistance in Obese Women. Journal of Clinical Endocrinology Metabolism. 87: 5044-5051.

Janssen, I., Katzmarzyk, P.T. and Ross, R. (2002) Body mass index, waist circumference and health risk: evidence in support of current NIH guidelines. Archives of Internal Medicine. 162(18): 2017-2148.

Ross, R., Arue, J. Freeman, J. Hudson, R. and Janssen, I. (2002) Abdominal Adiposity and Insulin Resistance in Obese Men. American Journal of Physiology. 282: E657-E663.

Janssen, I., Paddags, A., Hudson, R. and Ross, R. (2002) Effects of an Energy-Restrictive Diet With or Without Exercise on Abdominal Fat, Intermuscular Fat and Metabolic Risk Factors in Obese Women. Diabetes Care. 25: 431-438.

Janssen, I. Heymsfield, S.B., and Ross, R. (2002) Low relative skeletal muscle mass (Sarcopenia) in older persons is associated with functional impairment and physical disability. Journal of American Geriatric Society. 50: 889-896.

Janssen, I., Heymsfield, S.B. and Ross, R. (2002) Application of simple anthropometry in the assessment of health risk: Implications for the Canadian physical activity, fitness and lifestyle appraisal. Canadian Journal of Applied Physiology. 27(4): 396-414.

Janssen, I., Heymsfield, S.,B., Allison, D.B., Kotler, D.P and Ross, R. (2002) Body mass index and waist circumference independently contribute to the prediction of non-abdominal, abdominal subcutaneous, and visceral fat. American Journal of Clinical Nutrition. 75: 683-688.

Smith, G. (2002) Encyclopedia entry, "Nativism". Encyclopedia of American Foreign Policy, 2<sup>nd</sup> Ed. New York: Scribner's. II, 511-527.

Cockwell, F.F., Marcal, M.A., Mazonni, C.F. and Stevenson, J.M. (2002) Factors relating to musculoskeletal discomfort of the thoraco-lumbar spine during depalletizing of loads: a biomechanical analysis. ABERGO, 20:1-8.

Tschakovsky, M.E., Sujirattanawimol, K., Ruble, S.B., Valic, Z., Joyner, M.J. (2002) Is sympathetic neural vasoconstriction blunted in the vascular bed of exercising human muscle? Journal of Physiology (London). 541.2: 623-635.

Ruble, S.B., Valic, Z., Buckwalter, J.B., Tschakovsky, M.E. and Clifford, P.S. (2002) Attenuated vascular responsiveness to noradrenaline release during dynamic exercise in dogs. Journal of Physiology (London). 541.2: 637-645.

Myslivecek, P.M., Brown, C.A. and Wolfe, L.A. (2002) Effects of physical conditioning on cardiac autonomic function in healthy middle-aged women. Canadian Journal of Applied Physiology. 27:1-18.

- **Published Abstracts**

Charlesworth, S.A., Wolfe, L.A., Heenan, A.P. and Davies, G.A.L. (2002) Acid-base responses to prolonged exercise in late gestation. Canadian Journal of Applied Physiology, 27:S8

Charlesworth, S.A., Wolfe, L.A., and Davies, G.A.L. (2002) Effects of human pregnancy on physiological responses to prolonged exercise. Medical Science Sports Exercise. 34:S119.

Heenan, A.P. and Wolfe, L.A. (2002) Effect of human pregnancy on Phase II ventilatory and gas exchange kinetics during moderate exercise. Medical Science Sports Exercise. 34:S111.

Kerr, J.R., Wolfe, L.A. (2002) Physiological changes at rest and during exercise in early pregnancy: a preliminary report. Canadian Journal of Applied Physiology, 27:S28.

Wolfe, L.A. and Mottoloa, M.F. (2002) Strenuous exercise during pregnancy: Is it safe for fit, healthy women? Medical Science Sports Exercise. 34:S46.

- **Books & Book Contributions**

Côté, J. (2002) Coach and peer influence on children's development through sport. In J.M. Silva & D. Stevens (Eds.), Psychological foundations of sport, 520-540. Boston, MA: Allyn and Bacon.

Côté, J. and Hay, J. (2002) Children's involvement in sport: A developmental perspective. In J.M. Silva & D. Stevens (Eds.), Psychological foundations of sport, 484-502. Boston, MA: Allyn and Bacon.

Côté, J. and H, J. (2002) Family influences on youth sport participation and performance. In J.M. Silva & D. Stevens (Eds.), Psychological foundations of sport, 503-519. Boston, MA: Allyn and Bacon.

- **Book Reviews**

Smith, G.S. Book Review. (March 2002) Gregory C. Randall, *America's Original GI Town: Park Forest, Illinois*. Baltimore: Johns Hopkins University Press, 30 (March 2002), 50.

Smith, G.S. Book Review. (July 2002) John H. Schroeder, *Matthew Calbraith Perry: Antebellum Sailor and Diplomat*. Pennsylvania Magazine of History and Biography. 126 (July 2002), 510-511.

Smith, G.S. Book Review. (April 2002) David L. Andrews, ed. *Michael Jordan, Inc. Corporate Sport, Media, Culture, and Late Modern America*. Albany: SUNY Press. Sociology of Sport Journal. 19(4/2002), 442-444.

Smith, G.S. Book Review. (2002) "9/11 and all that: reflections on a tragedy". Queen's Arts and Science Undergraduate Society, The Undergraduate Review. 14(2002), 56-71.

▪ **Conference Proceedings**

Wong, S., Blair, S.N., Church, Katzmarzyk, P. and Ross R. (2002) Attenuation of obesity-related health risk by cardiorespiratory fitness: importance of abdominal obesity. Canadian Journal of Applied Physiology. 27: S52.

Kuk, J.L., Blair, S.N., Church, T.S. and Ross. R. (2002) Independent contribution of visceral adiposity to the lipid profile of premenopausal women: evidence against the "Portal Theory". Canadian Journal of Applied Physiology. 27: S29.

Jamnik, V., Gledhill, N., Ross, R. and Janssen, I. (2002) Enhanced interpretation of body composition measurements for the Canadian physical activity fitness and lifestyle appraisal. Canadian Journal of Applied Physiology. 27: S23.

Rubiano, F., Greenfield, D., Ross, R., Nishizawa, M. and Heymsfield, S.B. (2002) Evaluation of bioimpedance analysis athlete mode in percent fat estimation. International Journal Obese. 26(S1): S38.

St-Onge, M-P., Ross, R. and Jones, P.J.H. (2002) Medium chain triglyceride consumption for 28 days improves blood lipid profile, increases energy expenditure, and leads to smaller body fat compartments compared to olive oil consumption in overweight men. American Heart Association.

Perry, A.C., Wang, X., Jackson, M.L. and Ross, R. (2002) Differences of clotting factors in predicting health-related variables in caucasian and african-american women. Medical Science Sport Exercise. 34(5): S107.

Wang, X., Perry, A.C., Goldberg, R.B., Jackson, M.L., Ross, R. and Deprima, S. (2002) Differences of clotting factors in predicting health-related variables in caucasian and african-american women. Medical Science Sport Exercise. 34(5): S168.

▪ **Non-Refereed Publications**

Adams, M.L., (2002) Olympics still dominated by games men play. Ottawa Citizen

Rudan, J. and Costigan, P.A. (2002) An investigation of TKR kinematics on patient performance : Six Month Post-operative Report. Johnson & Johnson / DePuy.

Robertson-Wilson, J. and Côté, J. (2002) The Role of Parents in Children's Hockey Participation. Canadian Hockey Association's Canadian University Partnership Program.

Abernethy, B., Côté, J. and Baker, J. (2002) Expert decision making in team sport. Australian Sports Commission, Brisbane, Australia.

Deakin, J.M. (2002) An opinion on the presence of a bona fide occupational requirement for customs inspectors and superintendants. Report to Government of Canada : Canada Customs and Revenue Agency.

Stevenson, J.M., Good, J.A., Devenney, I.A., Morin, E.L, Reid, S.A., Bryant, J.T. and Pelot, R.P. (2002) Characterization of Load Control during a human trial circuit. PWGSC Contract #W7711-0-7632-02/A.

Reid, S.A., Bryant, J.T. and Stevenson, J.M. (2002) Development of a Dynamic Biomechanical Model of Human Load Carriage. PWGSC Contract #W7711-0-7632-02/A.

Hadcock, L.J., Bryant, J.T. and Stevenson, J.M. (2002) Pressure and Force Distribution Measurement for the Design of Waist belts in Personal Load Carriage Systems. PWGSC Contract #W7711-0-7632-02/A.

Wolfe, L.A. (2002). Physical Activity Readiness Medical Examination for Pregnancy. CSEP. On-line at [www.csep.ca](http://www.csep.ca).

### **PRESENTATIONS, CONFERENCE PAPERS, SEMINARS (2002)**

Faculty Member	Presentation
Mary Louise Adams	<p>Male bodies, sport discourse and images of men who dance. North American Society for the Sociology of Sport, Indianapolis IN. November 2002.</p> <p>Women and sport. Renfrew Women's Initiative Network. 18 October 2002.</p> <p>Death to the prancing prince: Effeminacy, sport discourses and the salvation of men's dancing. Canadian Lesbian and Gay Studies Association, Toronto ON. May 2002.</p> <p>Masculinity, grace and early British figure skating. British Society of Sport History, Leicester, England. April 2002.</p>
Pat Costigan	<p>Static and dynamic biomechanics of foot orthoses in people with medial compartment knee osteoarthritis. Ontario Physiotherapy Association Conference, London ON. 22 March 2002.</p> <p>Coordination of lifting: A profile of experienced manual material handlers. The IVI Annual International Occupational Ergonomics and Safety Conference, Toronto ON. 9-12 June 2002.</p>
Jean Côté	<p>Applications of retrospective methods to understand sport commitment. Physical and Health Education Seminar Series, Queen's University, Kingston ON. November 2002.</p> <p>Sport participation and performance: A developmental model. Human Movement Studies Seminar Series, University of Queensland, Brisbane, QLD Australia. May 2002.</p> <p>Developmental characteristics of sport involvement: Profiles of athletes, parents, and coaches. Association for the Advancement of Applied Sport Psychology, Tucson, AZ. October-November 2002)</p> <p>Athletes, Parents, and Coaches with Structured Interview Protocols. Association for the Advancement of Applied Sport Psychology, Tucson AZ.. October-November 2002.</p>

Faculty Member	Presentation
Côté (con't)	<p>A retrospective investigation of parental support: The implications for long-term sport participation. Eastern Canadian Sport and Exercise Psychology Symposium, Hamilton ON. March 2002.</p> <p>Practical application of the Coaching Behavior Scale for Sport (CBS-S): A tool for coach development. Eastern Canadian Sport and Exercise Psychology Symposium, Hamilton ON. March 2002.</p> <p>Childhood physical activity involvement in active and inactive female adults. Eastern Canadian Sport and Exercise Psychology Symposium, Hamilton ON. March 2002.</p> <p>Course on Psychology of Sport and Exercise offered by the School of Human Movement Studies, the University of Queensland, QLD, Australia. March to June 2002.</p> <p>A retrospective investigation of parental support: The implications for long-term sport participation. Eastern Canadian Sport and Exercise Psychology Symposium, Hamilton ON. March 2002.</p> <p>Practical application of the Coaching Behavior Scale for Sport (CBS-S): A tool for coach development. Eastern Canadian Sport and Exercise Psychology Symposium, Hamilton ON. March 2002.</p> <p>Childhood physical activity involvement in active and inactive female adults. Eastern Canadian Sport and Exercise Psychology Symposium, Hamilton ON. March 2002.</p> <p>Course on Psychology of Sport and Exercise offered by the School of Human Movement Studies, the University of Queensland, QLD, Australia. March to June 2002.</p>
Janice Deakin	<p>Developmental characteristics of sport involvement: Profiles of athletes, parents, and coaches. Association for the Advancement of Applied Sport Psychology, Tucson, AZ. October 2002.</p> <p>Speed and accuracy of video-based refereeing decisions: a pilot study comparing players, coaches and referees. Canadian Society for Psychomotor Learning and Sport Psychology, Vancouver BC. October 2002.</p> <p>The role of parents in the development of elite and recreational hockey players in Canada. Association for the Advancement of Applied Sport Psychology, Tucson AZ. October 2002.</p> <p>Evidence for implicit use of deliberate practice strategies by expert coaches. Canadian Society for Psychomotor Learning and Sport Psychology, Vancouver BC. October 2002.</p>
Peter Katzmarzyk	<p>Physical inactivity, obesity and public health in Canada. Department of Human Biology and Nutritional Sciences, University of Guelph. 26 January 2002.</p> <p>Secular changes in physical activity levels in Canada: Implications for the obesity epidemic. American Association of Physical Anthropology Annual Meeting, Buffalo NY. 12 April 2002.</p> <p>Obesity research: International health surveillance and future research directions. International Association of Human Biologists (IAHB) Symposium, Buffalo NY. 12 April 2002.</p> <p>Body types and health. 9<sup>th</sup> International Congress on Obesity, Sao Paulo, Brazil. 29 August 2002.</p>

Faculty Member	Presentation
Katzmarzyk (con't)	<p>Modifiable and non-modifiable risk factors for sexual dysfunction: Diagnosis, treatment and prevention. 10<sup>th</sup> World Congress of the International Society for Sexual and Impotence Research, Montreal QC. 25 September 2002.</p> <p>Changing physical activity levels in children and youth: Implications for the obesity epidemic. Canadian Diabetes Association Annual Meetings, Vancouver BC. 03 October 2002.</p> <p>Physical activity and Obesity: From basic science to public health. Canadian Society for Exercise Physiology Annual Meeting, St. John's NF. 16 October 2002.</p> <p>Temporal trends in obesity in Canada: An emerging epidemic. Canadian Association of Physical Anthropology Annual Meetings, Ottawa ON. 25 October 2002.</p>
Lucie Lévesque	<p>Effects of a diabetes prevention intervention on body size, physical activity and diet among Kanien 'kehaka (Mohawk) children aged 6 to 11 years: Early results from the Kahnawake Schools Diabetes Prevention Project (KSDPP). North American Primary Care Research Group. New Orleans, LA.</p> <p>Distinguished Paper Presentation: Primary Prevention of Type 2 Diabetes: a Tale of Two Aboriginal Communities in Canada. Family Medicine Forum, Montreal QC.</p> <p>Describing physical activity patterns in Kahnien'kehaka (Mohawk) children. International Society for Behavioral Nutrition &amp; Physical Activity. Seattle WA.</p>
Bob Ross	<p>Reduction of Obesity and Related Co-morbid Conditions: Effective Strategies. Iceland University, Reykjavik, Iceland. 21 March 2002.</p> <p>Imaging Modalities and Abdominal Adipose Tissue Distribution. Obesity Research Center, Columbia University, New York. 09 April 2002.</p> <p>Abdominal Obesity and Cardiovascular Disease ISSFAL 2002 "Dietary Fats and Health". Fifth Congress of the International Society for the Study of Fatty Acids and Lipids, Montreal, QC. 08 May 2002.</p> <p>Recent insights into the complex relationship between abdominal obesity and insulin resistance. Endocrine Grand Rounds, University of Virginia Medical Center. 10 September 2002.</p> <p>Novel insights into the interaction between physical activity, abdominal obesity and related co-morbidities. Centre for Human Nutrition, University of Colorado Health Sciences Center, Denver, CO. 19 September 2002.</p> <p>Advances in the application of imaging methods in physiology and clinical medicine. 6<sup>th</sup> International Symposium on "In Vivo Body Composition Studies". Tor Vergata University, Rome, Italy. 05 October 2002.</p> <p>Physical activity as a strategy for the prevention and treatment of type 2 diabetes. Rideau Valley Diabetes Association, Smiths Falls ON. 19 July 2002.</p> <p>Independent associations between abdominal obesity, liver fat, cardiorespiratory fitness and lipid profile in men. 45<sup>th</sup> Meeting of the Canadian Confederation of Biological Sciences, Montreal QC. 13 June 2002.</p>



Faculty Member	Presentation
Bob Ross (con't)	<p>Effect of gender on changes in abdominal fat and insulin sensitivity in response to caloric restriction or exercise, 45<sup>th</sup> Meeting of the Canadian Confederation of Biological Sciences, Montreal QC. 13 June 2002.</p> <p>Kuk, J.L., Blair, S.N., Church, T., and Ross, R. Independent contribution of abdominal obesity, liver fat and cardiorespiratory fitness to the lipid profile on premenopausal women. 45<sup>th</sup> Meeting of the Canadian Confederation of Biological Sciences, Montreal QC. 13 June 2002.</p> <p>Wong, S., Blair, S.N., Church, T., Katzmarzyk, P. and Ross, R. Differences in abdominal obesity between fit and unfit men. 45<sup>th</sup> Meeting of the Canadian Confederation of Biological Sciences, Montreal QC. 13 June 2002.</p> <p>Wobeser, W., Ford, P., Tenzif, S. and Ross, R. Visceral adiposity in a group of men on antiretroviral therapy is associated with low serum testosterone. Annual CAHIVR Meeting, Winnipeg MB. 25 April 2002.</p>
Geoff Smith	<p>Love and Sex in the Second World War. Canadian Historical Association Annual Meeting. University of Toronto. Toronto ON. 27 May 2002.</p> <p>The International History of Leisure: Sports, Tourism, Spy Stories, and American Foreign Relations, 1920-1970. Annual Conference of the Society for Historians of American Foreign Relations. University of Georgia. Athens. 22 June 2002.</p>
Joan Stevenson	<p>Biomechanical factors that affect the low back pain. Joint Ergonomics Congresses of Latin-America and Brazil. September 2002.</p> <p>Use of Objective Tools for Assessments of Musculoskeletal Risk Factors. Joint Ergonomics Congresses of Latin-America and Brazil. September 2002.</p> <p>Objective biomechanical tools for assessment of personal load carriage systems. International Society for Ergonomics and Safety Conference, Toronto, ON. June 2002.</p> <p>Development of the Canadian Military Load Carriage System using Objective Measures. International Society for Ergonomics and Safety Conference, Toronto, ON. June 2002.</p> <p>Validation of Objective Based Measures and Development of Performance-Based Ranking Method for Load Carriage Systems. International Society for Ergonomics and Safety Conference, Toronto, ON. June 2002.</p> <p>Development Of A Trifilar Pendulum For Measuring Moment of Inertia. World Congress of Biomechanics, Calgary, AB. August 2002.</p> <p>The Importance of Certain Design Features In A Backpack. World Congress of Biomechanics, Calgary, AB. August 2002.</p> <p>Examination of coordination and its relation to low back pain. World Congress of Biomechanics, Calgary, AB. August 2002.</p> <p>Biomechanical factors affecting the spine. Centro Universitario de Belo Horizonte, Brazil. September 2002..</p>

Faculty Member	Presentation
Stevenson (con't)	<p>Overview of Occupational Biomechanical at Queen's University. Faculdade de Ciencias, Médicas Minas Gervais. September 2002.</p> <p>Acceleration profiles for task performance in humans. Canadian Medical and Biological Engineering Conference. November 2002.</p> <p>Comparison of 3 measures of ground reaction force: force plate, Fscan and multiple force sensors. IV World Congress of Biomechanics. August 2002.</p> <p>Determination of mechanical constraints in the lower limbs and the trunk during load carrying. 4<sup>th</sup> International Conference The Engineering of Sport. Kyoto, Japan. September 2002.</p>
Torcolacci, Melody	<p>Introduction to Weight Training. Loyalist College, Belleville ON. November 2002</p> <p>Introduction to the Weight Room. Canadian National Women's Rugby Team. July 2002.</p> <p>Striving for Excellence. Opeongo High School. June 2002.</p> <p>Strength Training Principles. Loyalist Collegiate. May 2002.</p> <p>Queen's Enrichment Program. Strength Training Concepts. May 2002.</p>
Michael Tschakovsky	Human Vascular Control in Exercise, Health and Disease. University of Waterloo, Waterloo ON. May 2002.
Brenda Willis	<p>Elite Coaching Symposium, York University, Toronto ON. 15-16 July 2002</p> <p>Juvenile Elite Training Centre, University of Waterloo, Waterloo ON. 7-9 July 2002.</p>
Larry Wolfe	<p>Effects of human pregnancy on physiological responses to prolonged exercise. James Low Research Day. 22 March 2002.</p> <p>Breathing to regulate protein function. Lessons learned from human pregnancy. Queen's University Respiratory Research Group Conference. 25 October 2002.</p>

## Visiting Scholars

Macintosh Lecture Series. Dr. Suzanne Laberge, 05 October 2002, "Can socio-cultural theory be useful in health promotion? An illustration from a study on the elderly".

## **STAFF & FACULTY**

Faculty	Mary Louise Adams Rob Beamish (Administrative Leave (2002-2003)) Hart Cantelon Pat Costigan Jean Côté (Sabbatical 2001-02) Janice Deakin (Director) Peter Katzmarzyk Lucie Lévesque Bob Ross Geoff Smith Joan Stevenson Michael Tschakovsky Larry Wolfe (Graduate Coordinator)	
Continuing Adjuncts	Melody Torcolacci Brenda Willis	
Adjunct Instructors	Mohammed Abdoli Irene Armstrong Joe Baker Cathy Ferri Kathy Jackson (Undergraduate Coordinator) Scott Lynn John McFarlane (Chair of Athletics & Recreation) Chris Oliver Wendy Reynolds Dave Ross Kimberley Shaw Bill Sparrow	
Activity Instructors	Don Duffey Eric Dwyer Bob Howes Scott Lynn Anne-Marie MacDonald Chris Oliver	Alissa Overend Harold Parsons Josef Riha Melody Torcolacci Mick Wall Brenda Willis
Research Assistants	Sue Reid (Biomechanics/Ergonomics) – J Stevenson Alana Hermiston, Ottawa/Peterborough (archival research) – ML Adams Susan Parissi, Gait Lab in Human Mobility Research Centre – P Costigan Christina Reisinger, Vienna, (research and translation) – ML Adams Susan Shea, Toronto (research) – ML Adams	
Administrative Staff	Ken Hall (Technical Support) Valerie Johnson (Undergraduate Secretary/Receptionist) Angie Maltby (Administrative Assistant) Bill Pearce (Technical Support)	

**SERVICE**

Faculty Name	University Service	Community Service
Adams, Mary Louise	<ul style="list-style-type: none"> <li>▪ Graduate Studies Division V Representative (2001-02)</li> <li>▪ Graduate Examining &amp; Supervisory Committees (7)</li> <li>▪ QNS Adjudicating Committee</li> <li>▪ Promotions &amp; Tenure Committee (Film Studies)</li> <li>▪ QUFA, Council Rep</li> <li>▪ QUFA, Feminist Causus</li> <li>▪ Ban Righ Centre (Board Member &amp; Awards Committee Member)</li> <li>▪ Macintosh Lecturer/Sociology of Sport Day Conference</li> <li>▪ SPHE Graduate Subcommittee Member</li> <li>▪ Department of Sociology Hiring Committee (2002-03)</li> <li>▪ SPHE Promotion, Renewal &amp; Tenure Committee (2002-03)</li> <li>▪ Chancellor's Scholarship Applications, Reader</li> </ul>	<ul style="list-style-type: none"> <li>▪ Frontenac Public School Volunteer Program, Organizer</li> <li>▪ Canadian Lesbian and Gay Studies Association</li> <li>▪ North American Society for the Sociology of Sport</li> <li>▪ Barbara Brown Essay Committee</li> </ul>
Cantelon, Hart	<ul style="list-style-type: none"> <li>▪ University Faculty Association Council</li> <li>▪ Graduate Examining &amp; Supervisory Committees (8)</li> <li>▪ OGS Selection Panel</li> <li>▪ Member at Large (QUFA)</li> <li>▪ Political Action &amp; Communication Committee (QUFA)</li> <li>▪ Working Group on Examinations (QUFA rep)</li> <li>▪ University Council on Athletics (QUFA Rep)</li> </ul>	
Costigan, Pat	<ul style="list-style-type: none"> <li>▪ Board of Studies, Faculty of Arts and Science (Chair)</li> </ul>	

Faculty Name	University Service	Community Service
Côté, Jean	<ul style="list-style-type: none"> <li>▪ Promotion, Renewal, Tenure Committee SPHE (Chair)</li> </ul>	<ul style="list-style-type: none"> <li>▪ International Society of Sport Psychology</li> <li>▪ Canadian Society for Psychomotor Learning and Sport Psychology</li> <li>▪ Association for the Advancement of Applied Sport Psychology</li> <li>▪ North American Society for Psychology of Sport and Physical Activity</li> <li>▪ Canadian Association for Health, Physical Education, Recreation and Dance</li> </ul>
Deakin, Janice	<ul style="list-style-type: none"> <li>▪ School of Physical and Health Education (Director)</li> <li>▪ Appointments Committee SPHE (Chair)</li> <li>▪ Committee of Departments, Faculty of Arts &amp; Science</li> <li>▪ Faculty Board, Faculty of Arts &amp; Science</li> <li>▪ Division 1, Graduate School (Chair)</li> <li>▪ University Council on Athletics (Executive Director)</li> <li>▪ Selection Standards Division of Ergonomics Research Group (Chair)</li> <li>▪ Queen's National Scholar Adjudication Committee (Chair)</li> <li>▪ Steering Committee for Student Life Centre (Member)</li> <li>▪ Steering Committee for School of Human Health (Member)</li> <li>▪ IAR for Pharmacology (Member)</li> <li>▪ IAR for Clinical Medicine (Member)</li> <li>▪ Promotion, Renewal, Tenure Committee, Faculty of Education (Member)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Member of CCUPEKA</li> <li>▪ Kingston Chapter of the Diabetes Association (Volunteer)</li> <li>▪ Member of NASPSA</li> <li>▪ Member of SCAPPS</li> </ul>
Jackson, Kathy	<ul style="list-style-type: none"> <li>▪ Faculty Board</li> <li>▪ Intramural Executive Council (2001-03)</li> <li>▪ University Council on Athletics</li> <li>▪ Risk Management Committee</li> <li>▪ Recreation/Intramural Review Committee (Chair)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Active Schools Committee</li> <li>▪ Historic Hockey Organizing Committee</li> <li>▪ Loyalist College Recreation Leadership Advisory Board</li> <li>▪ Active Living Alliance for Canadians with Disabilities (Youth Exchange Advisor)</li> </ul>

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Katzmarzyk, Peter	<ul style="list-style-type: none"> <li>▪ Promotion, Renewal, Tenure Committee, SPHE</li> </ul>	<ul style="list-style-type: none"> <li>▪ Obesity Canada (Vice-President and Treasurer)</li> <li>▪ American College of Sports Medicine (Fellow)</li> <li>▪ Human Biology Association (Fellow)</li> <li>▪ North American Association for the Study of Obesity (Fellow)</li> <li>▪ Canadian Society for Epidemiology and Biostatistics (Member)</li> <li>▪ Canadian Society for Exercise Physiology (Member)</li> </ul>
Lévesque, Lucie	<ul style="list-style-type: none"> <li>▪ Promotion, Renewal, Tenure Committee</li> <li>▪ Search Committee, Sociology of Sport, SPHE</li> </ul>	<ul style="list-style-type: none"> <li>▪ Kahnawake Schools Diabetes Prevention Project in Kahnawake, QC, training and research activities.</li> <li>▪ Coalition for Healthy Lifestyles in Tyendinaga (Mohawk Territory) ON</li> <li>▪ American College of Sports Medicine</li> <li>▪ Association of National Instructors in Exercise</li> <li>▪ American Public Health Association</li> <li>▪ Canadian Diabetes Association</li> <li>▪ National Aboriginal Diabetes Association</li> <li>▪ Society for Behavioral Medicine</li> <li>▪ Society of Public Health Education</li> <li>▪ National Advisory Committee "Food and Fitness in Focus", National Institute of Nutrition et al (Member)</li> </ul>

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McFarlane, John	<ul style="list-style-type: none"> <li>▪ Steering Committee for Student Life Centre</li> <li>▪ University Grounds Committee</li> <li>▪ University Council on Athletics</li> </ul>	<ul style="list-style-type: none"> <li>▪ OUA Management Committee</li> <li>▪ OUA Planning Committee (Chair)</li> <li>▪ CIS Equity and Equality Committee</li> <li>▪ Sport Kingston Inc.</li> </ul>
Ross, Dave	<ul style="list-style-type: none"> <li>▪ Health &amp; Safety Committee</li> </ul>	
Ross, Bob	<ul style="list-style-type: none"> <li>▪ Second Annual Research Day, Organizer</li> <li>▪ Member, Cardiac Circulatory &amp; Respiratory Research Group (Faculty of Health Sciences)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Canadian Society for Exercise Physiology (Board Member)</li> <li>▪ Sixth International In-Vivo Body Composition Symposium 2000-2002, Rome, Italy (Organizing Committee)</li> <li>▪ Canadian Society for Exercise Physiology (Member)</li> <li>▪ American College of Sports Medicine (Member)</li> <li>▪ North American Association for the Study of Obesity (Member)</li> <li>▪ Canadian Federation of Biological Sciences (Member)</li> <li>▪ Canadian Society for Nutritional Sciences (Member)</li> <li>▪ Ontario Graduate Scholarship Program (OGS) – 201 (Applied Science – Doctoral) (Panel Chairperson)</li> </ul>
Smith, Geoff	<ul style="list-style-type: none"> <li>▪ Equity Representative</li> <li>▪ A&amp;S Academic Orientation Committee</li> <li>▪ Political Action Committee (QUFA)</li> <li>▪ Annual TA Workshop (Co-director)</li> <li>▪ Queen's <i>Journal</i> (Faculty Advisor)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Trinity College School Board of Governors</li> <li>▪ Canadian Institute of International Affairs</li> <li>▪ Society for Historians of American Foreign Relations</li> <li>▪ Peace History Society</li> <li>▪ Canadian Historical Association</li> <li>▪ Organization of American Historians</li> </ul>

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Shaw, Kimberley		<ul style="list-style-type: none"> <li>▪ Hearts at Work Committee</li> <li>▪ Be Active Working Group of Kingston (Chair)</li> <li>▪ Kingston Active Living Days Committee</li> </ul>
Stevenson, Joan	<ul style="list-style-type: none"> <li>▪ General Research Ethics Board (Vice-Chair)</li> <li>▪ Board of Trustees</li> <li>▪ Major Entrance Scholarship Review Committee</li> <li>▪ Advisory Committee for the Human Mobility Research Centre</li> <li>▪ Major Entrance Scholarships for Queen's</li> <li>▪ Visiting Scholar Adjudication Committee (Faculty of Arts &amp; Science)</li> <li>▪ Golden Gaels Athletics Council (School Representative)</li> </ul>	<ul style="list-style-type: none"> <li>▪ International Occupational Ergonomics &amp; Safety Conference, June 2002 (Organizing Committee)</li> <li>▪ Ontario Kinesiology Conference, April 2002 (Chair, Organizing Committee)</li> <li>▪ International Society of Biomechanics (Member)</li> <li>▪ Canadian Society of Biomechanics (Member)</li> <li>▪ American Society of Biomechanics (Member)</li> <li>▪ International Society of Ergonomics (Member)</li> <li>▪ Association of Canadian Ergonomists (Member)</li> <li>▪ American College of Sports Medicine (Member)</li> </ul>
Tschakovsky, Michael	<ul style="list-style-type: none"> <li>▪ Graduate Subcommittee, SPHE</li> <li>▪ Masters Thesis Defence, Department of Biology (Chair)</li> </ul>	<ul style="list-style-type: none"> <li>▪ American College of Sports Medicine</li> <li>▪ Canadian Society of Exercise Physiology</li> <li>▪ American Physiological Society</li> </ul>
Torcolacci, Melody	<ul style="list-style-type: none"> <li>▪ Academic Council</li> <li>▪ Recreation Services Committee</li> </ul>	<ul style="list-style-type: none"> <li>▪ High School Coach</li> <li>▪ University Coach</li> <li>▪ Canadian Sport Centre (Consultant)</li> <li>▪ Eastern Canadian Rugby Academy</li> </ul>



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Willis, Brenda	<ul style="list-style-type: none"> <li>▪ University Council on Athletics</li> <li>▪ Campus Recreation Services (Coordinator)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Ontario Volleyball Association (President)</li> <li>▪ Volleyball Canada President's Council (Board Member)</li> </ul>
Wolfe, Larry	<ul style="list-style-type: none"> <li>▪ Graduate Studies Division I Representative</li> <li>▪ Advisory Research Committee (subcommittee I)</li> <li>▪ Graduate Examining &amp; Supervisory Committees (7)</li> <li>▪ SPHE Graduate Subcommittee (Chair)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Canadian Society for Exercise Physiology (President-Elect for 2002-2004)</li> <li>▪ Canadian Society for Exercise Physiology (Treasurer 2001 – 2003)</li> <li>▪ College of Family Physicians of Canada Physical Activity and Health Strategy Coordinating Committee (Member)</li> <li>▪ American College of Sports Medicine (Fellow)</li> </ul>

## **PROFESSIONAL CONTRIBUTIONS**

### **Editorial Boards**

#### **Hart Cantelon**

Book Review Editor, Sociology of Sport Journal

#### **Jean Côté**

Editor: Asian Journal in Exercise and Sports Science (AJESS), Sport Psychology Section Editor

Editorial Board of Journal of Applied Sport Psychology (4 articles)

Editorial Board of The Sport Psychologist (4 articles)

Editorial Board of AVANTE (1 article)

Editorial Board of Revue des Sciences et Techniques des Activités Physiques et Sportive

#### **Janice Deakin**

Referee: Journal of Motor Behaviour (1 manuscript)

Referee: Journal of Applied Sport Psychology (1 manuscript)

Referee: Research Quarterly for Exercise and Sport (3 manuscripts)

**Peter Katzmarzyk**

Associate Editor, Canadian Journal of Applied Physiology  
Associate Editor, Exercise and Sport Sciences Reviews

**Bob Ross**

Associate Editor: Canadian Journal of Applied Physiology

**Geoff Smith**

Editorial Board, International History Review  
Editorial Board, H-Peace.Com

**Joan Stevenson**

Reviewer, International Occupational Ergonomics & Safety Conference

**Mike Tschakovsky**

Referee, American Journal of Physiology (Heart and Circulatory Physiology) (2 manuscripts)  
Referee, Canadian Journal of Applied Physiology (3 manuscripts)  
Referee, Journal of Applied Physiology (5 manuscripts)  
Referee, Journal of Physiology (2 manuscripts)

**Larry Wolfe**

Associate Editor, Canadian Journal of Applied Physiology (7 manuscripts)  
Member, Editorial Board, Medicine and Science in Sports and Exercise (1 manuscript)  
Member, Editorial Review Board, American College of Sports Medicine (ACSM) Health and Fitness (2 manuscripts)  
Reviewer, Journal of Applied Physiology (1 manuscript)  
Reviewer, International Journal of Sports Medicine (1 manuscript)

**Guest Reviews****Mary Louise Adams**

Manuscript Reviewer: Aid to Scholarly Publications Programme  
Manuscript Reviewer: Canadian Review of Sociology and Anthropology

**Hart Cantelon**

Book Reviews: Sociology of Sport Journal; International Review for the Sociology of Sport; International Journal for the History of Sport  
Manuscript Referee: Sociology of Sport Journal; International Review for the Sociology of Sport

**Jean Côté**

Journal of Sport and Exercise Psychology, International Journal of Sport Psychology, Review of a chapter to appear in K.A. Ericsson & J. Starkes (Eds). Recent advances in research on sport expertise. Champaign, IL: Human Kinetics

**Bob Ross**

Manuscript Reviewer: Diabetes Care (MS#C01-477); International Journal of Obesity (2); American Journal Clinical Nutrition (2); Medicine Science Sport and Exercise (1); Obesity Research (1).

**Joan Stevenson**

Applied Ergonomics, Ergonomics, Canadian Journal of Applied Physiology

## **Granting Councils - Reviewer**

### **Jean Côté**

Social Sciences and Humanities Research Council of Canada (SSHRC), 2001

Title: A critique of youth sport

Health Services Utilization and Research Commission (HSURC), 2001

Title: The meaning of physical well being in disability identity development

### **Bob Ross**

Boston Obesity Nutrition Research Centre

Title: Effect of sarcopenia on body composition and energy expenditure.

Canadian Institutes of Health Research (three proposals reviewed)

Title: The effects of low carbohydrate, high protein and high fat ...

Title: Cellular mechanisms related to body fat distribution in ...

Title: Effect of nutritional supplementation and resistance exercise on muscle protein metabolism ...

NSERC (one proposal reviewed)

Title: Effect of endurance training on HDL size: a new and important marker of lipoprotein metabolism ...

### **Joan Stevenson**

CRC Review, UBC

CRC Review, Calgary

CRC Review, École Polytechnique de Montréal

NSERC, Application #180970

Nova Scotia Health Research Foundation, Grant # 427N-01

### **Larry Wolfe**

Canadian Institutes of Health Research (two proposals reviewed)

Ontario Thoracic Society Block Term Grant (one proposal reviewed)