FROM THE DIRECTOR

Even though SFU holds classes year-round, it still feels like summer has arrived. The halls are a little less crowded. Convocation flags are flapping in the Mall, flowers abound, and there seems to be a general feeling of excitement, time to catch one’s breath.

At the same time, many are holding their breaths as we await the outcome of the Phase II Task Force on University Structure which may have important ramifications for the future of our School.

The Spring saw Kinesiology recruiting new students and our numbers seem as strong as ever, despite changing demographics. This is testimony to the strength of our teaching and research programs. Our Co-op numbers are also strong, with a record number of placements.

We are very pleased to announce the inauguration of our new annual awards to be given to our outstanding undergraduate and graduate students. These awards will be presented at the Kinesiology Convocation Reception on June 8th, 2007, Maggie Benston Centre.

Congratulations to this year’s recipients:

Undergraduate Student(s) of the Year Based on Academic Achievement

COURTNEY BROWN
AMY TAO

Undergraduate Student Researcher of the Year

VERONICA NAING

Undergraduate Student Volunteer of the Year

SAMANATHA GARCIA

Graduate Student Teaching Assistant of the Year

SHEENA FRISCH

Graduate Student Researcher of the Year

CORAL ANN LEWIS

Congratulations to all the awardees! We look forward to seeing you at the Kinesiology Convocation Reception where you will receive your awards.

PETER RUBEN

JUNE CONVOCATION RECEPTION

You are cordially invited to a

RECEPTION

in honour of our new GRADUANDS

DATE: Friday, June 8th, 2007
PLACE: MBC 2290 - 2296
(These rooms are located behind the Student Society main office in MBC.)
TIME: 1:00p.m. - 3:00p.m.

CONGRATULATIONS KINES GRADUATES!

PhD Kinesiology
TESSHIN HACHIYA
JENNIFER MILLER
MIHAELA ZAHARIEV

MSc Kinesiology
SIMI KOHLI
GUOBIN (RUBIN) SUN
DARRYL WHITNEY

BSc Kinesiology
LJUBOMIR ACIMOVIC
JACLYN ARDUINI
JAMES BEAUDOIN
MICHELI BEVILACQUA
MICHAEL BLADY
LEAH BOECKERMANN-BELANGER
CONNOR BORSA
COURTNEY BROWN
KIMBERLEY BURKETT
STEPHANIE CAIRNS
STEPHANIE CARROLL
CHRISTABEL CHAN
THOMSON CHAN
BRYSON CHOW
SARAH CHOW
JUSTIN CHOY
NICOLE CLEMENT
LADAN DAVALLOW GHAJAR
LAINE DAWES
JENNICA DAY
Congratulations to Courtney Brown, B.Sc. Kinesiology, who is the Student Speaker for the June 8th morning Convocation Ceremony. Courtney is an outstanding student who will be studying at Oxford University in the Fall to begin a Master’s degree in Science and Medicine of Athletic Performance.

Courtney’s hard work has earned her several awards, including the Jack Diamond entrance scholarship and the William De Vries Award, recognizing academic achievement, athletic performance, integrity and leadership. She retained status as an Academic All Canadian every year she played basketball at SFU.

Courtney helps run basketball clinics for local high school and elementary school basketball programs and works with troubled teens from Vancouver’s Downtown Eastside. She also helps with the SFU Clan New Student Orientation and runs a team mentorship program.

Source: SFU News, May 31/07 & Kinesiology Co-op Office

Now, she’s interested in pursuing either a master’s degree in Public Health or Medical School.

Kayla’s interest in working abroad led her to complete 3 work terms, all at international locations. This is no easy feat as working internationally requires students to uproot their lives and relocate to another location for 4-8 months. Nonetheless, Kayla’s dedication to working abroad provided her with great experiences. Her other international Co-op work terms were as a research assistant for the Divers Alert Network in Durham, N.C. and as a research assistant in the Cayman Islands where she collected data about stingrays.

Kayla’s three international Co-op work terms also inspired the first ever SFU International Co-op Award, with Kayla being the first recipient. The award is given to students who are placed in international work terms to assist with covering relocation expenses.

Kayla’s advice to new students is to get involved in athletics, or working in a research lab and of course, there’s co-op. "It’s the ultimate educational experience," says Kayla. "I’ll never forget it."

Sources: SFU News, May 31/07 & Kinesiology Co-op Office

Also graduating this semester is Amy Tao. Amy is graduating with a major in Kinesiology and a second major in Dance. During her years at SFU, Amy completed four Co-op work terms and maintained a GPA of 4.045 over an amazing 188 credit hours! Not only is Amy an outstanding student academically, she is a dedicated volunteer. Amy would often assist with student recruitment/special events in the School of Kinesiology, however, her volunteer service spans far beyond Kinesiology. Amy is a student, who during her
undergraduate career at SFU, demonstrated what true community service is all about. Congratulations, Amy!

Source: Kines Co-op Office

**Faculty, Adjuncts & Grad Students**

(Apologies for failing to include the following item from Parveen in our last Newsletter.)

**Parveen Bawa** taught in the Department of Biophysics, Punjab University (PU) for the month of November. SFU and PU, Chandigarh are sister Universities. Her teaching consisted of labs and data analysis, and Parveen reports that the students really appreciated it, and that many students are very keen to come to SFU for graduate studies. She also established research connections with the Department of Neurology at the Post Graduate Institute of Medical Education located across the road from PU. Parveen enjoyed her recent experience at PU, which also happens to be her alma mater for undergraduate studies.

**Parveen Bawa** also reports that she has been invited by the American College of Sports Medicine to give a talk on June 1st, 2007 in New Orleans. Title: *Motor unit firing during concentric and eccentric contractions*.

**Fabio Feldman** and **Andrew Laing**, PhD candidates (Supervisor, **Stephen Robinovitch**, Injury Prevention & Mobility Lab) were successful in their application to the Fraser Health Internal Seed Grant Competition. The funding will support research into the effectiveness of interventions to improve initial acceptance and adherence with hip protectors (protective garments designed to reduce hip fracture risk in the event of a fall). The results of this study will support a 2008 grant proposal to CIHR or MSFHR. The research team includes **Stephen Robinovitch**, Marcia Carr (Adjunct Professor, SFU Gerontology Research Centre), Sonia Singh and Vicky Scott (both Clinical Assistant Professors at UBC).

Space Station Research

**Andrew Blaber** and his colleagues from the University of Waterloo and the University of Western Ontario got the call to go to Houston for their first preflight data collection on May 21st, 2007 from an astronaut heading to the International Space Station (ISS). The project (RL Hughson, **AP Blaber** and JK Shoemaker: *Cardiovascular and Cerebro-vascular Control on Return from International Space Station*), code named CCISS, is funded by the Canadian Space Agency and sponsored by NASA. The astronaut is scheduled to launch June 8th, 2007 aboard the space shuttle Atlantis (STS 117). If all goes well, the astronaut will self-collect physiological data while on board the ISS and return aboard STS 120 in late October. The CCISS team will be present to collect physiological data immediately upon landing. Further trips will be made to Houston to continue post-flight monitoring one week and one month later. NASA considers these data critical for future long term missions to the Moon and Mars and has issued a landing day directive stating that no other physiological measurements can be made on the ISS astronauts until after the CCISS protocol has been completed. Check it out at: [http://www.nasa.gov/mission_pages/shuttle/main/index.html](http://www.nasa.gov/mission_pages/shuttle/main/index.html)

**Andy Hoffer** was invited by the WestLink Innovation Network to give a 30-minute presentation on May 16th at the Medical Technology Commercialization Workshop sponsored by TechMed BC. Andy was asked to speak from an Industry / Investment Perspective as the founder of Neurostream Technologies and as professor, School of Kinesiology, SFU, on key issues that drive the interest and decision making both for business collaboration or for investment in a new medical device company, and on the expectations of an industry partner.

**Andy Hoffer** will be giving another invited 30-minute presentation on June 7th, 2007 at the FESAIR (Functional Electrical Stimulation Applications in Rehabilitation) satellite Symposium of the World Congress of Physiotherapy, in Session 8 "Implanted Technology", on the physiological considerations around nerve recordings, how nerve cuff electrodes function, human data from the first patient trial, and the hurdles in testing a new implanted technology and getting it approved by Health Canada and the FDA.

Congratulations to **Scott Lear** who has been awarded the Heart & Stroke Foundation of BC and Yukon grant ($283,000 over three years), entitled: *Randomized trial of a cardiac rehabilitation program delivered remotely through the Internet*.

**Scott Lear** was also awarded CIHR funding for the study entitled *Multicultural community health assessment trial (M-CHAT): A longitudinal study of body fat distribution and cardiovascular risk in four ethnic populations*. (4-year grant totaling $606,000) Scott was ranked first out of 40 applications for this grant.

The **Finegood Lab** would like to announce the arrival of two new Co-op students this summer. **Tommy Merth** and **Patrick Burnett** have joined us to work on our obesity complexity model with the goal of illustrating the web of factors that contribute to
obesity using NVivo software. The ultimate goal is to quantify these contributing factors, and potentially measure the strength of specific interventions used to treat or prevent obesity.

The FINEGOOD LAB would also like to congratulate HOLLY BUHLER on her acceptance into the Masters Programme in International Health at the Department of Women's and Children's Health, Uppsala University, Sweden. Thank you, Holly, for the two years of great work with us. You will be missed, and we wish you the greatest success in your new pursuits!

**Defences**

Successfully defended:

**Mihaela Zahariev** PhD  
Spring 2007  
*Multimodal Contact Cues for Object Manipulation in Augmented and Virtual Environments*  
Senior Supervisor: *Christine MacKenzie*  
Supervisory Committee: Ted Kirkpatrick, *Alan Lomax*

**Jennifer Litt Miller** PhD  
Spring 2007  
*Skeletal Muscle Regulatory Factors with Alterations in Muscle Mass*  
Senior Supervisor: *Wade Parkhouse*  
Supervisory Committee: *Charles Kreiger*

**Goubin Sun** MSc  
Fall 2006  
*Use of Multi-spectral Autofluorescence in the Detection of Oral Premalignant Lesions with High Risk Molecular Patterns*  
Senior Supervisor: *Miriam Rosin*  
Supervisory Committee: Catherine Poh, *Lewei Zhang*

**Darryl Whitney** MSc  
Spring 2007  
*Effect of Exercise on Retrograde Transport in a Mouse Model of Amyotrophic Lateral Sclerosis*  
Senior Supervisor: *Wade Parkhouse*  
Supervisory Committee: *Charles Kreiger*

**Alejandra Farias Godoy** MSc  
Spring 2007  
*A Comprehensive Event Analysis of the Extensive Lifestyle Management Intervention*  
Senior Supervisor: *Scott Lear*  
Supervisory Committee: *Dave Goodman, Sammy Chan*

**Ryan Metcalfe** MSc  
Summer 2007  
*The Size-Weight Illusion in a Natural and Augmented Environment with Congruent and Incongruent Size Information*  
Senior Supervisor: *Christine MacKenzie*  
Supervisory Committee: John McDonald

**Publications**

Two presentations were made from Matt White’s lab at the April 28 to May 2nd, 2007 FASEB Experimental Biology 2007 meeting in Washington DC. They are as follows:

**Andrew E Beaudin** and **Matthew D White**: *The central chemoreflex ventilatory response to carbon dioxide following acclimation to a hot environment.*

**Matthew D White, Andrew N Curtis, Aaron L Chu and Michael L Walsh**: *Independent and combined influences of hyperthermia and isocapnic hypoxia on the pattern of human breathing at rest and during submaximal exercise.*

The following paper was presented at a scientific conference:


**Lea SA**, Humphries KH, Kohli S, Birmingham CL. The use of body mass index and waist circumference as surrogates of body fat differs by ethnicity. *Obesity*: In press.

**Seminars**

Andrew Laing, Ph.D. Candidate in the School of Kinesiology gave the following talk on Tuesday, April 17th, 2007:

*Topic: Hip fracture prevention: investigations into the biomedical effectiveness of hip protectors.*

**Co-op Update**

Record Breaking back-to-back Semesters

After just completing a record breaking semester this past Spring (at 50 placements), Kinesiology co-op is proud to announce that they have just tied their all time highest summer semester ever, at 62 placements. There is a chance that the record might get broken with at least one employment offer still pending. We will keep you posted.
ACE Conference

DARLEEN BEMISTER recently attended the Association for Co-operative Educators conference at Whistler. The weather and venue made for an excellent conference.

STAFF

Many thanks to our Co-op Staff, DARLEEN BEMISTER and BARBARA PEACHEY, as well as Tony Botelho, FAS Co-op Program Manager, for the excellent Staff Appreciation Lunch held for all Kinesiology staff on June 4th. The food was delicious and we enjoyed the nostalgic musical background!

Did you know that PENNY DECK, our Academic Advisor is one of the coaches of Dirt Series, a mountain bike skills camp for women since its beginnings 7 years ago? A recent 2-day mountain bike skills camp was held at the North Shore the weekend of May 12th & 13th 2007. “People say that they’ve learned a whole season’s worth of skills over the weekend,” said Whistler’s Candace Shadley, who created the Dirt Series skills camp seven years ago.

RECRUITMENT UPDATE

Kinesiology Lab Tours

Approximately 40 people (high school students and their parents) attended this very successful recruitment event held on Wednesday evening May 16th from 6:00 – 8:00 pm.

Thanks to JOSEPHINE ANTHONY and MATTHEW WHITE for opening their laboratories and presenting to the visiting audiences.

Special thanks to VINEET JOHNSON for his energetic Kin 142 Lab demo and to PENNY DECK and DARLEEN BEMISTER for hosting the evening.

The event would not have been possible without the help of our fabulous undergraduate student volunteers: BRITTENY TURKO, SAM GARCIA, SALONI DHOLAKIA, MISCHA SNOPKOWSKI, KAYLA DONNAWELL, GLENSA MAH and ALISHA ZACHARIAS.

Information Evening

Student Services estimate that there were 2500 + people who attended this event. The weather certainly helped. Kinesiology was well represented at this recruitment event which also targets high school students and their parents. Special thanks to PENNY DECK, VAN TRUONG, VINEET JOHNSON and NIKKI TAN (undergraduate student) for giving their time.

Recruitment Phone Calls

For the past 3 years, VAN TRUONG has been the sole person making recruitment phone calls. Thanks to Van for her years of solo service!

This past May, 64 recruitment phone calls were made to direct admit high school students to encourage them to accept our admissions offer. Many of these students attended the Kinesiology Lab Tour night and Information Evening. These phone calls created further opportunities to connect with not only the students, but with their parents as well. We had a number of interesting conversations and are hopeful to see these students in September. Many students thanked us for taking the time to call them personally.

Thanks to our phone calling team: ANNE-KRISTINE ARNOLD, STEPHEN BROWN, DARLEEN BEMISTER, PETER RUBEN and VAN TRUONG.

BCRPA CONFERENCE

You are invited to the next BC Recreation & Parks Association (BCRPA) Conference September 22nd and 23rd, 2007 at SFU.

The BCPRA is the governing body for all fitness leaders in BC. This is the fifth year this conference is being run and it guarantees to be the best one yet! Come take part in fun activity sessions and informational lectures and walk through the expanded trade show area.

If you work in the fitness industry or you just want to see what’s available, this is the conference for you. Check http://www.bcrpa.bc.ca/fitness_program/events/fitness_conference/2007.htm

Jeff Doyle, Program Manager