A warm welcome to our new, incoming undergraduate and graduate students. All the best as you start your academic career. I look forward to meeting you during your tenures at SFU.

Since our last Newsletter, we have mourned the passing of one of our Emeritus faculty members, Dr. Eric Banister. (see In Memoriam). Eric was cited in The Vancouver Sun on June 24, 2010 as having “advanced the academic aspect of a hitherto-arcane science [Kinesiology], and also made a business of it...launching in 1971 the Lower Mainland Preventative Medical Centre Ltd....It was a model for the billion-dollar global industry that followed.” Our department is enriched by his knowledge, presence, and legacy.

Congratulations to Stephen Robinovitch who has been promoted to Professor. Stephen’s research interest is in biomechanics, falls and fall-related injuries in the elderly.

Congratulations also to Max Donelan on his tenure and promotion to Associate Professor. Max’s research is in locomotion neuromechanics.

September brings two exciting BPK events: Research Day – highlighting our research to the academic community, and the Terry Fox Day Toonie for Terry BBQ – our way of honouring a former Kinesiology student who championed the fight against cancer. I hope to see many of you at these important events.

From the Chair

Peter Ruben

IN MEMORIUM:
Dr. Eric Banister
May 18, 1932 – June 15, 2010

Members of the Department of Biomedical Physiology and Kinesiology joined family and friends in extending our sincere condolences to the Eric Banister family at a Celebration of Life held in his honour on June 24th, 2010. We enjoyed the display of photos chronicling the legacy of his life and achievements, as well as his many happy times with family. The eulogies given came from the heart and gave warm comfort to his family.

Eric’s initial appointment in 1967 was Assistant Professor in the Department of Physical Development Studies. In 1969 he was promoted to Associate Professor. In 1969 he was tenured and in 1972 he was promoted to Professor. At his retirement on September 1st, 1997 he was awarded Professor Emeritus status by SFU.

Eric built the Department of Kinesiology from its inception. From 1970-1975 he served as the first Chair of the new department. He was Chair again from 1977-1982 and then was Acting Director of the School of Kinesiology from 1987-1988.

Eric’s research was in Exercise and Environmental Physiology. He was a pioneer in his field, opening the first medical fitness centre in Vancouver.

We miss Eric. He touched our lives and will not be forgotten.

Toonie for Terry

Our annual Toonie for Terry and Research Day will be held on Tuesday, September 21. This is an opportunity to welcome you back, and for you to meet your profs, TAs, staff, and fellow students. Great food for only $2 (all money collected is donated to the Terry Fox Foundation).

Theme
Toonie for Terry / Research Day
When
Tuesday, Sept 21, 2010;
approx 11:30 to 1:00 pm
Where
K8000 level, courtyard between BPK and Physics
What
burgers (meat and veggie), pop and veggies
Who
BPK new and current undergraduate & grad students, staff faculty & post-docs
Registration is required:
https://websurvey.sfu.ca/cgi-bin/WebObjects/WebSurvey.woa/wa/survey?41515423

BPK Research Day

The BPK Graduate Program Committee announces the 2nd Annual BPK Research Day, to be held on Tuesday September 21, 2010 from 1:30 to 5:45 pm

Research Day is an excellent opportunity for graduate and
undergraduate students to showcase their research by participating in poster competitions or by giving an oral presentation. Last year’s event was a huge success, and this year proves to be even better.

All BPK students, faculty, and post-docs are welcome to attend this celebration of the breadth and depth of the research activities within the Department.

**Join the Kinesiology Team in the Terry Fox Day Walk/Run on Thurs Sept 23!**

Terry Fox Day at SFU will be held this year on Thursday, September 23. The purposes of the event are:

- to celebrate the memory of Terry Fox, who was an SFU Kinesiology student
- to raise money for the Terry Fox Foundation to help find a cure for cancer
- to enhance community spirit at SFU.

**Events Scheduled for September 23**

- **Brief ceremony** in Convocation Mall starting at 11:40 am where the President will present a gold medal and a plaque to the 2010 Terry Fox Gold Medal winner
- **11:45 – 11:55:** Ceremony ends. A brief warm-up led by SFU Fitness Instructors begins. After the warm-up, the President will then invite the walk/run participants to follow the Piper to the Terry Fox Statue where the 4.4 km run and 2.8 km walk will begin.
- **Participants can either walk a 2.8 km course or run a 4.4 km course**
- **There will be an optional lunch in Convocation Mall. For $4 you will get a wrap, a homemade cookie and a piece of fruit. One option is to bring $5, purchase the lunch and then donate one dollar to**

the “Toonies for Terry” campaign.

Please go to the SFU Terry Fox web site: [www.sfu.ca/terryfox](http://www.sfu.ca/terryfox) for details on all aspects of the Terry Fox Day event

In my capacity as captain of the Kinesiology team, I would like to invite all Kinesiology undergraduate students, graduate students, faculty, and staff to:

- Participate in either the 4.4 km run or 2.8 km walk. If you are planning to participate in the walk/run, please register by Wednesday, September 22 at [www.sfu.ca/terryfox](http://www.sfu.ca/terryfox).

Go to the [online registration form](http://www.sfu.ca/terryfox).

Answer “Yes” to the question “Do you wish to be part of a team?” Our team name is “Kinesiology”

**IMPORTANT:** Participants should register online if they want to be counted in the final tally for our team for the largest team award, and towards SFU’s overall participation count. However, if you don’t officially register as a Kinesiology team member before September 23, you can still come out and participate in the walk/run on September 23, but you won’t be counted in our team numbers for the largest team award.

- Fundraise for the Terry Fox Foundation as a member of the Kinesiology team.

Go to the SFU Terry Fox Day website at [www.sfu.ca/terryfox](http://www.sfu.ca/terryfox).

Select DONATE. On this page, instructions are given for making an online donation, an in person donation on event day, or a donation in the few days following the September 23 event day.

If you choose to make an online donation, as I have done, select the link in Step 1 Select “Team Search”

Team Name = SFU Kinesiology

Location – select SFU – Burnaby

Click on the “Search” button

Click on Team Name - SFU Kinesiology

Select “Join This Team”

Select “Continue”

Then fill out your personal and donation information

A tax receipt is issued quickly.

- Many volunteers are needed on September 23 to make this event successful. Select “Get Involved” on the SFU Terry Fox Day website to get detailed information about volunteering. Volunteers will officially count as members of the Kinesiology team, if they register as team participants at the Terry Fox Day website as described above. On the registration webform, for the question, “Which event will you participate in?”, select the 2.8 km walk, even though you won’t actually be doing this. If you are interested in volunteering, please contact [terryfox-volunteer@sfu.ca](mailto:terryfox-volunteer@sfu.ca).

On September 23, Kinesiology team members should meet in Convocation Mall in front of the main entrance to the Library by 11:30 am for a team photo. You will also be given a ribbon to pin on your shirt or jacket to identify you as a member of the Kinesiology team.

**This year is the 30th anniversary of Terry’s Marathon of Hope run across Canada. It would be great to see a huge Kinesiology turnout at the walk/run! The Kinesiology team won the award for the team with the largest number of participants from 2001-2004, and in 2008 and 2009. We need you to participate in the walk/run event in order to retain our title as the team with the largest number of participants!**

Last year, we were the number one fundraising team at SFU. We have been the number one fundraising team in a number of past years. Let’s be the number one team for fundraising again this year!
Come out on September 23, get some exercise, have fun, meet fellow kinesiologists, and celebrate the memory and legacy of Canada’s greatest hero, Terry Fox!

Check out the biography of this year’s Terry Fox Gold Medal Award winner, Dustin Paul: www.sfu.ca/terryfox/recipient.html Read it again any time you start feeling sorry for yourself.

CRAIG ASMUNDSON
Kinesiology Team Captain

**WELCOME NEW GRADS**

**New Students – Summer 2010:**

**SURAJ CHAWLA, MSc Coursework**

**EMA GARDAN, MSc Coursework**

**LANG CHEN, MSC Coursework**

**PENNY DECK, PhD studies**
(Supervisor Diane Finegood)

**JOHN MANNING, Msc studies**
(Supervisor Charles Krieger)

**New Students – Fall 2010:**

**CHRISTINE GENGE, PhD studies**
(Supervisor Glen Tibbits)

**JESSICA SELINGER, PhD studies**
(Supervisor Max Donelan)

**JESSICA INSKIP, PhD studies**
(Supervisor Victoria Claydon)

**MONICA LEE, Msc studies**
(Supervisor Scott Lear)

**CLARE PROTHEROE, Msc studies**
(Supervisor Victoria Claydon)

**ALEXANDRA KORALL, MSc studies**
(Supervisor Stephen Robinovitch)

**CATHERINE KANG, PhD studies**
(Supervisor Miriam Rosin)

**DEFENCES**

**Defences:**

**JESSIE GRENIER MSc**
Summer 2010
“Influence of body temperatures and hypercapnia on pulmonary ventilation during hyperthermia.”
Examining Committee:
**MATT WHITE, Senior Supervisor**
**MICHAEL WALSH, Supervisor**
**DON MACKENZIE, External Examiner, UBC**

**Coursework Presentations:**

**HARJINDER KAUR MSc Coursework**
Spring 2010
“Determining the effect of different playground surfaces on peak forces during forward fall on outstretched hand.”
**STEPHEN ROBINOVITCH, Senior Supervisor**

**SAHBA SEIFI MSC Coursework**
Spring 2010
“Characterization of Highly Active Individuals with Cardiovascular disease (CHAICE)”
**SCOTT LEAR, Senior Supervisor**

**CATHERINA KANG MSc Coursework**
**MIRIAM ROSIN, Senior Supervisor**

**FACULTY, GRADS, ASSOCIATES, ADJUNCTS, POST-DOCS & EMERITI**

Congratulations to **JOSEPHINE ANTHONY** on her publication of the book entitled "Illustrated Review of Neuroanatomy, 3 Dimensional Perspective, 1st edition, 2010. The book is designed to facilitate a three-dimensional understanding of the pathways and structures in different regions of the Nervous System.

Welcome to **JESSICA INSKIP** who has completed her Msc and is now starting her PhD with Supervisor, **VICTORIA CLAYDON**.

Jessica was also awarded the C.D. Nelson Memorial Graduate Scholarship.

Welcome to **CLARE PROTHEROE**, BPK undergraduate who is starting her Msc studies with Supervisor, **VICTORIA CLAYDON**.

**WAKELING, JM.** Neuro-mechanical determinates of recruitment within and between muscles during cyclic locomotion. Conference presentation at the American Physiological Society, Westminster, CO, USA, August 2010

**JESSE GREINER** (Supervisor, **MATT WHITE**) successfully defended his Msc on June 30. He was also first author on one manuscript and was second author on another manuscript, both in high impact physiology journals. Jesse has also submitted two other manuscripts to refereed journals and has authored or coauthored 7 presentations at national or international scientific meetings. Jessie is now starting his medical degree at UBC. Everyone in the LEEP lab wishes him the very best success in his studies.

**WHITE, MD.** Physiological challenges for humans wearing survival suits during cold water immersion. Invited presentation at the 8th International Meeting for Thermal Manikins and Modeling (8I3M), Victoria, BC, Canada, Aug 23, 2010.


**ANDY HOFFER** sends greetings from Vienna, where he is at the IFESS 2010 Conference to present a paper titled "Diaphragm Pacing with Endovascular Electrodes" which shows modeling predictions and safety and stability results in

WILLIAM D. ROSS, Professor Emeritus, reports that his group, Rosscraft Innovations Inc., has an annual presence as Exhibitors with a team of six at the American College of Sport Medicine annual meeting. In 2010 Rosscraft has a preliminary beta release of TTT2011 Presidents Edition on Theory Technique Technology for Human Biologists and Health Professionals, a 3-Gig compendium of papers, presentations, programs and project involvements. See http://www.rosscraft.ca/

PUBLICATIONS


THOMAS CLAYDON reports the following has been accepted for publication in Biophysical Journal. VAN SLYKE, AC, REZAZADEH, S, SNOPKOWSKI, M, SHI, P., ALLARD, CR, TW CLAYDON (2010). Mutations within the S4-S5 linker alter voltage sensor constraints in hERG K+ channels. Biophysical Journal (In Press will appear in Sept 2010, Issue 99). The article studies the molecular mech-anisms of normal and abnormal functioning of the hERG potassium channel, a key cardiac channel that determines the relaxation phase of the heart beat.


GREINER, JG, WALSH, ML, WHITE, MD. Rate of Change of Skin Temperature Influences Maximal Pulmonary Ventilation Before and Following Exercise. ACSM Abstract for the Conference on Integrative Physiology of Exercise, Miami, FL, USA, Sept 22-25, 2010.


BPK SEMINAR SERIES

Join us at our Seminar Series, normally held on Tuesdays at 11:30 a.m. in SSB7172. Our first guest speaker will be on September 14, 2010 (see below). ANDREW BLABER is Coordinator of the Seminar Series for the 2010-3 Fall semester.

FAY B. HORAK, Professor of Neurology and Biomedical Engineering, Department of Neurology/Movement Disorders, Oregon Health & Science University, Tuesday, September 14th, 2010:

Topic: Postural systems underlying balance disorders in Parkinson’s disease