During the past month the School of Kinesiology conducted a Mini Retreat of half a day to discuss the Graduate Program in Kinesiology. Significant recommendations for change were made and have been subsequently approved at a School Meeting. There will be some changes to the requirements in future for the Masters degree. In particular, the current M.Sc. will now require six courses for completion, including a course in Research and Statistics and a Seminar course that had hitherto been electives. Students will also be required to complete courses which ensure some degree of breadth in the Master program. More significantly, the School has decided to institute a Coursework Masters Degree which will be a 30-credit program providing both depth and breadth. A second Mini Retreat will be held next month when details of these programs will be planned. The changes will be submitted to the Faculty and Senate Graduate Program Committees over this summer and hopefully both new programs will be available from September 2005. It is anticipated that a Coursework Masters Degree might be attractive to those engaged in careers in the health sciences who feel that advanced training would be beneficial.

I am pleased to announce that Max Doneelan, currently working as a Postdoctoral Fellow at the University of Alberta, has accepted a position as a biomedical engineer in the School starting January 1st, 2005.

Henry Fu, who has been the Computer Technician in the School for the last year, has accepted a new appointment in the Centre for Distance Education from the middle of June, 2004. The School of Kinesiology wishes Henry well and is grateful for his work on behalf of the School. King Chao, who was formerly the Computer Technician in the School, will return on July 1st, 2004.

After some delays, it is anticipated that the bridge to the Applied Sciences Building will be completed during the month of June, 2004. Those who have been relocated during construction will move back to their original offices.

John Dickinson

**JUNE 2004 CONVOCATION**

**CONGRATULATIONS TO OUR JUNE 3rd, 2004 GRADUANDS:**

**Ph.D.**

Jiehong Hu

Jacqueline Trudeau

**B.Sc. (Kinesiology)**

Brenton Cheng

Christina Chung

Darren Cielanga

Sarah Corriveau

David Cullingworth

Pavan Dhillon

Vishal Dhir

Elizabeth Elston

Sheena Frisch

Parvinder Gill

Erica Haker

Tracy Hayward

Kaleki Hill

**Abeed Hirji**

Farhan Jamal

Aziza Kamani

Ibrahim Khan

Kristen Klassen

Paul Krol

Lawrence Lam

Amanda Lane

So Youn Lee

Anthony Lissett

King Liu

Cara Macdonald

Christina Mason

Carin Matsushita

Selena Mcbride

Evan McDonald

Leanna McDonald

Dawn Nguyen

Lisa Northrup

Jessica Owen

Amanda Peacock

Laura Peterson

Solemaz Pourvali

Sheena Ryan

Leila Shobab

Jeffrey Slatten

Pawel Szopa

Parham Tabloei

Anita Turner

Benjamin Vass

Erin Wickers

Kirsten Wilms

Melanie Wilson

Joseph Worthington

**RECEPTION FOR JUNE CONVOCATION**

Plan to attend a reception for our graduands directly after the Convocation Ceremony:

**When:** Thursday, June 3, 2004

**Time:** Approximately 4:30 p.m.

**Place:** Halpern Centre

Graduands and their families enjoy meeting faculty members, so please plan to attend!
Among the many students graduating with a B.Sc. in Kinesiology this year is IBRAHIM KHAN who also played offensive tackle for Simon Fraser University. He was selected in the 2004 Canadian Football League’s Canadian draft and was picked by the Ottawa Renegades as their first choice. Khan also won the J.P. Metras Trophy in 2003 as the Canadian Interuniversity Sports’ (CIS) most outstanding lineman. He was one of only two CIS players selected for the 2003 East West Shrine game in San Francisco.

Correction to April '04 Newsletter:
KIRSTEN WILMS has been accepted into the M.Sc. program at the University of Waterloo (not Chiropractic College in Toronto).

DUNCAN MILNE, Senior Research Engineer, has received a US$2486 PADI Foundation grant for the Environmental Physiology Unit to research the “Effects on multi-task performance while breathing air and 32% O2 enriched air during 130 foot dives.” Simon Fraser University student recreational divers will perform timed tasks while swimming on an ergometer in the hyperbaric chamber wet pot and breathing air and Nitrox gas mixes.

PARVEEN BAWA has  received a 5-year Operating Grant from NSERC in the amount of $108,200 for her work entitled, “Facilitation in the neuromuscular system with high frequency stimulation and strong voluntary contraction.” Parveen has also been awarded an NSERC Equipment Grant in the amount of $18,777 for Neurophysiological equipment for data recording and analysis in humans.

PARVEEN BAWA is Invited Speaker at the Active Dendrites in Motor Neurons Conference to be held in Boulder, Colorado, June 24-26, 2004.

PARVEEN BAWA reports that the following paper, prepared with three undergraduate students, is in press with Experimental Brain Research: P BAWA, JD HAMM, P DHILLON and PA GROSS, “Bilateral Responses of Upper Limb Muscles to Transcranial Magnetic Stimulation in Human Subjects.”

PARVEEN BAWA has a second paper in press in the Canadian Journal of Physiology and Pharmacology: PARVEEN BAWA and BLAIR CALANCIE, “Recruitment and rate coding of spinal motoneurons with high frequency stimulation of human motor cortex.”

ANDREW BLABER reports the following publication has been accepted for publication: “A Comparison of Endurance Athletes and Non-athlete Responses to High Altitude,” SEEDHOUSE, E.L.O. and BLABER, A.P., Wilderness & Environmental Medicine.

MIRIAM ROSIN was featured in the January 2004 edition of Connections (Association of Dental Surgeons of BC) which gave details of her $2M (US) NIH Grant to research and develop prevention strategies in the area of oral cancer. At a recent meeting, the BC Cancer Agency and the SFU Office of the VP Research agreed to cooperate in assisting Miriam in establishing this program.

GLEN TIBBITTS was recently in Europe where he presented a paper at a conference in Holland and gave two invited presentations at The University of Calabria, Italy and at a hospital in Barcelona, Spain.

SEMINAR

PH.D. SEMINAR PRESENTATION by DAVID FRANKLIN

DATE: Thursday, June 3rd, 2004
TIME: 11:30 a.m.
PLACE: K8652

TITLE: Interacting with the Environment: The CNS selectively controls impedance in the hand.

ABSTRACT:
To manipulate objects or use tools we must compensate for any forces arising from interaction with the physical environment. It has been suggested that this compensation is achieved by learning an inverse dynamics model of the dynamics. However, many interactions involve not only compensation for forces, but also involve compensation for unstable or unpredictable environments. Our recent research has indicated that the CNS not only controls the time-varying forces applied with our limbs, but also controls their mechanical impedance to provide stability. In this talk, I will outline several studies which I have done to investigate this property of impedance control.

Refreshments will be served

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