APPRECIATION AND WELCOME

Faculty, Staff and Students in the School of Kinesiology would like to extend their sincere appreciation to Dr. Charles Krieger for serving as Acting Director of the School during Spring 2006, and for his additional time and effort to ensure a smooth transition between former Director, Dr. John Dickinson and our new, incoming Director, Dr. Peter Ruben. Thanks, Charles!

A very warm welcome and best wishes to Dr. Peter Ruben, Director, School of Kinesiology.

ACTING DIRECTOR

It is a pleasure to wish our former Director, Dr. John Dickinson, well and send our best wishes as he makes the transition from British Columbia to his new home in Nova Scotia. In the past 4 months we have had two events honouring him.

I also want to welcome our new Director, Dr. Peter Ruben who will be arriving on Monday, May 1st, 2006.

I personally would like to thank those who have assisted me over the past few months. Specifically I would like to thank Van Truong who has so ably served as well as Marianne Lazaro. I have appreciated both their assistance and thank them very much. I am also appreciative of the faculty members who provided advice and assistance.

Charles Krieger

SFU OPEN HOUSE

Plan now to attend SFU’s Open House on Saturday, June 3rd, 2006. Come out to support the SFU community and the School of Kinesiology – it will be a day of great fun! For information on the event or for volunteering opportunities, visit: http://fas.sfu.ca/openhouse or contact Van Truong at vtruong@sfu.ca

KINES CONVOCATION RECEPTION

Please plan to join us for a reception for our GRADS around noon on Wednesday, June 7th, 2006 in the Halpern Centre. More details to follow.

FACULTY, ADJUNCTS & GRADUATE STUDENTS

Congratulations to Andrew Blaber on his Tenure and Promotion to Associate Professor in March, 2006. Andrew conducts research related to human health in a variety of Terrestrial and Space environments. His special interest is in cardiovascular, respiratory and cerebrovascular physiology, broadly described as related to understanding human physiological responses to gravitational stress before, during, and after exposure to weightlessness, hypoxia and exercise. These experiments provide information on whole body function in what could be considered extreme conditions; however, observing responses at the extremes of human physiological performance leads to a greater understanding of homeostatic mechanisms. These experiments have led to the development of physiological models that can be used in clinical situations such as extended bed-rest and COPD. Presently, Andrew is conducting experiments to investigate: the physiological responses and adaptations to breath-holding (freediving); and, the effects of long duration space flight on cardiovascular reflexes.

Andy Hoffer reports that Victhom Human Bionics created a new Clinical Advisory Board (CAB) for the Neurostep System, the closed loop functional electrical stimulating device developed by Neurostream Technologies to assist walking in stroke patients with foot drop. Victhom plans to submit an Investigational Testing Authorization to Canada’s Medical Device Bureau in 2006 and resume pilot clinical trials. Further details about the CAB composition and development can be found at http://www.victhom.com/news/2006-03-07-en.pdf

Congratulations to Nathan Taylor who recently won a bronze medal, together with his teammates while competing in the Commonwealth Games in Melbourne, Australia. He is a sprinter and was a member of the men’s 4 x 100 m relay. Nathan is a graduate student in Max Donelan’s lab. An article regarding their win is at http://www.tsn.ca/commonwealth_games/news_story/?ID=1600
Congratulations to Veronica Naing who was awarded an NSERC Undergraduate Research Student Award to fund summer research on biomechanical energy harvesting. Veronica will be working in Max Donelan’s lab.

Max Donelan has been awarded an NSERC Discovery Grant to fund his research in Comparative Terrestrial Locomotion Physiology.

Congratulations to Diane Finegood on being awarded the Danone Institute of Canada Distinguished Nutrition Leadership Award. This $5,000 award will be presented to Diane on May 26th. It recognizes the significant contribution and leadership of an individual in the field of nutrition.

Dan Robinson is reappointed as Adjunct Professor in the School of Kinesiology for another three years. Dan was made Fellow of the Association of Canadian Ergonomists in 2005. He has also been appointed to the Canadian Advisory Committee for Ergonomics (ISO Technical Committee 159).

Irene Rossberg-Gempton is reappointed as Adjunct Professor in the School of Kinesiology for another three years. Irene is currently pursuing community health based opportunities for research by partnering SFU with Aboriginal communities.

Robert Strath is reappointed as Adjunct Professor in the School of Kinesiology for another three years. Robert has conducted experiments in the Environmental Physiology Unit (EPU) and is currently co-investigator with Andrew Blaber’s lab in looking at the effects of repeated breath-hold diving on decompression systems.

Lewei Zhang is reappointed as Adjunct Professor in the School of Kinesiology for another three years. Lewei is Chief Pathologist of the BC Oral Cancer Prevention Program and as such conducts research in collaboration with Miriam Rosin.

Miriam Rosin reports that The NIH has issued three releases on the BC Oral Cancer Prevention Program (BC OCPP) recently, two to the web and one through news wires, significantly impacting the visibility and growth of the program internationally. The first web release was a publication of the annual message of the institute to congress, highlighting key research, describing the BC program as the first regional oral cancer screening program in the world to integrate highly informative molecular discoveries with traditional screening techniques. The same site includes a question and answer description of the program. The third release was to the newswires, describing an article published in the Journal of Biomedical Optics by Miriam Rosin’s group of a novel, made-in-BC device with potential for detecting oral cancer.

Congratulations to two members of the BC OCPP who received meritorious awards this month. Catherine Poh, a CIHR Clinician Scientist working with Miriam, was awarded the Aflac Clinician Scholar Award from the American Association of Cancer Research. Denise Laronde received the GlaxoSmithKline Outstanding Clinician Scholar Award. Denise is a PhD student in Miriam Rosin’s laboratory. This is a very prestigious and internationally competitive award for promising young cancer researchers who are the authors of outstanding proffered papers related to clinical research.

Denise Laronde also received a Trainee Award for her graduate research from the Michael Smith Foundation for Health Research /BC Cancer Foundation.

**Publications**


Sancheti, A and White, MD. Reproducibility of the relationships between


JOANNA ZANDER, Ph.D.
Tuesday, January 17th, 2006
The Human Factors of Integrating Technology into the Mine Countermeasures Diving Environment.
Senior Supervisor: JIM MORRISON
Committee: JOHN DICKINSON, MATT WHITE

**KINESIOLOGY SEMINARS HELD**

Friday, January 20th, 2006:

Dr. Tim Carroll  
Health and Exercise Science  
School of Medical Sciences  
The University of New South Wales  
Sydney, Australia

**TOPIC:** Neuromuscular adaptations to resistance training: Implications for movement control?

Tuesday, January 31st, 2006

Daniel K. Mulkey  
Department of Pharmacology  
University of Virginia

**TOPIC:** Role of the retrotrapezoid nucleus and solitary complex in the chemical control of breathing.

**CO-OP EDUCATION EVENT: CAREERS IN KINESIOLOGY**

This year’s Careers in Kinesiology event was a huge success! Over 80 students attended the event held on January 26th at the Halpern Centre, complete with numerous interactive display tables, door prizes and refreshments. Speakers at this year’s event included industry professionals Chris Franks (Physiotherapist and SFU Instructor), Andre Potvin (International Fitness Educator and Trainer), Brent Gall (SFU Kinesiology Alumnus and Ph.D. candidate UBC) will also be attending and presenting at Maastricht.

Staff EPU Facility Coordinator, Andreas Fahlman, has resigned to take up a new research position with UBC. Andreas will be studying metabolism of breath-hold diving in sea lions, and will be based at Reed Point Marina. If you are kayaking in Indian Arm, watch out for Andreas’ floating research barge and team of sea lions operating between Belcara Park and Deep Cove. We wish Andreas all the best in his new role.

Research One student, Joanna Zander successfully defended her Ph.D. theses. See Defences section for details.

Publications from the EPU are listed under Publications section.

The EPU has been awarded a $72,000 research contract to study thermoregulation in humans when wearing different types of protective clothing. This work will take place during the summer and fall semesters.

**DEFENCES**

Successfully defended:

**AMBER ZUTZ**  
M.Sc.  
Thursday, December 22nd, 2005  
Utilization of the World Wide Wed to Deliver Cardiac Rehabilitation at a distance (VCPR).  
Senior Supervisor: SCOTT LEAR, Committee WADE PARKHOUSE, Sammy Chan

EnvironmentaL Physiology Unit

INT’L ERGONOMICS ASSOC (IEA) K.U. SMITH STUDENT AWARD

JOANNA ZANDER, (Ph.D. Kinesiology 2006) is the winner of the International Ergonomics Association’s K.U. Smith Student Award for best student contribution to Ergonomics/Human Factors. The award of $3,000 is made once every three years and will be presented during the IEA XVIth Triennial Congress, July 10-14, 2006, in Maastricht, Netherlands. The criteria for selection of the award winner are: quality of contribution to E/HF, as documented in a full paper submitted to the award committee; and other accomplishments in and contributions to E/HF, as described in the student’s resume. Joanna will present her paper “Development and evaluation of ergonomic design guidelines for underwater displays” at the IEA Congress in Maastricht.  

**JIM MORRISON, WAQAR MUGHAI** (M.Sc. Kin) and **CATHERINE TRASK** (B.Sc. Kin, M.Sc. Kin, Ph.D. candidate UBC) will also be attending and presenting at Maastricht.

**KINESIOLOGY SEMINARS HELD**

Friday, January 20th, 2006:

Dr. Tim Carroll  
Health and Exercise Science  
School of Medical Sciences  
The University of New South Wales  
Sydney, Australia

**TOPIC:** Neuromuscular adaptations to resistance training: Implications for movement control?

Tuesday, January 31st, 2006

Daniel K. Mulkey  
Department of Pharmacology  
University of Virginia

**TOPIC:** Role of the retrotrapezoid nucleus and solitary complex in the chemical control of breathing.

**CO-OP EDUCATION EVENT: CAREERS IN KINESIOLOGY**

This year’s Careers in Kinesiology event was a huge success! Over 80 students attended the event held on January 26th at the Halpern Centre, complete with numerous interactive display tables, door prizes and refreshments. Speakers at this year’s event included industry professionals Chris Franks (Physiotherapist and SFU Instructor), Andre Potvin (International Fitness Educator and Trainer), Brent Gall (SFU Kinesiology Alumnus and...
Medical Student at UBC), **Steve Grimmett** (SFU Kinesiology Alumnus and Clinic Manager of CBI Health Centre, Abbotsford), along with Sandy Jagday and **Stacey Tong** (SFU Kinesiologist Alumnus) both of whom are Occupational Therapy students at UBC.

The feedback from students and guest speakers alike was overwhelmingly positive. Students especially enjoyed being able to interact with experts from a variety of kinesiology-related fields and they came away with some very valuable insights and wisdom to use towards furthering their education and career goals. All of the featured speakers enjoyed interacting with the students and were visibly impressed with their enthusiasm and interest.

The organizing committee strives to make Careers in Kinesiology bigger and better every year, with plans and ideas for the Spring 2007 event well under way.

**Amanda Brkich**  
Project Assistant  
Faculty of Applied Science  
Co-op Education Program

The **Kinesiology Year-End Party** was held on April 24th, 2006 at Horizon's Restaurant.

The theme was BLACK and PINK. Everyone enjoyed an evening of “blackness and pinkness” while celebrating the official end of the semester in style!

Thanks to **Shawna Mann**, President, Kinesiology Student Association (KSA) for organizing this even and to **Laurie Klak** for her assistance in making this a successful evening.