

The Official PART Newsletter

Donate your old iPhones and/or iPod Touch!

With the release of the latest iPhone technology, please consider donating your old iPhone and/or iPod Touch to the PART. Instead of sitting in your cupboards at home collecting dust, we can use these devices for our research projects. Donation receipts available.

March 2012

PART Around the World

The Phone Oximeter is currently being used in a new clinical study in Mbarara, Uganda studying childhood sepsis. Collaborator Matt Wiens has trained local research assistants to help with the data collection. We look forward to those results!

Walter Karlen has assembled a team of students to help with Camera Oximeter research and development activities in Stellenbosch, South Africa.

Mark Ansermino visited Dhaka, Bangladesh in February to meet collaborators on-site and to plan for research studies using the Phone Oximeter.



The Camera Oximeter

February 2012

Canadian Rising Star

Congratulations to Walter Karlen for being awarded a Rising Stars in Global Health grant from Grand Challenges Canada. Thanks to all of you who went

online and voted for Walter's project back in November. See more about the project:

[Editorial in the Globe & Mail](#)

[Article in The Province newspaper](#)

[Grand Challenges Canada video](#)

Engaging Canadian Youth in Research

Guy Dumont and Mark Ansermino were awarded a grant from the Peter Wall Solutions Initiative (PWSI) for a youth engagement initiative, KidsCan. They will develop a smartphone application (MobileKids) that will help promote voluntary physical activity and healthy eating habits among youth.

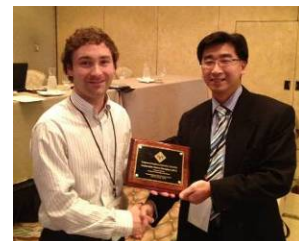
January 2012

STA Winners

The team was very successful at this year's Society for Technology (STA) annual conference held in Palm Beach, Florida.

Congratulations to Srinivas Raman, Chris Brouse, Walter Karlen, Mark Ansermino, Guy Dumont for winning the 1st prize in the Computers in Anesthesia Engineering Competition for their work entitled "A Data Fusion Approach for RR Estimation from PPG".

And congratulations to Chris Brouse, Walter Karlen, Guy Dumont, Dorothy Myers, Erin Cooke, Jonathan Stinson, Joanne Lim and Mark Ansermino for winning the Best Clinical Application of Technology with their work entitled "Measuring Adequacy of Analgesia with Cardiorespiratory Coherence".



Chris Brouse receiving the STA award

Feature Study

Air-Q ILA

Simon Whyte, along with co-investigators, Stephan Malherbe, Andrew Morrison, Mike Traynor, Heng Gan and Mark Ansermino, have recently begun the last of three studies evaluating the Air-Q® intubating laryngeal airway (ILA). This study is testing the performance characteristics of the ILA as a channel for fiberoptic intubation. This study will recruit 120 children divided by weight into four ILA size groups. Contact Erin Cooke (ecooke@cw.bc.ca) for more information.

Meet a Team Member

Patricia Bernal (Co-op Student)

Patricia joined PART in January 2012 as a co-op student from the School of Interactive Arts and Technology at Simon Fraser University. Patricia is working on the PIERS on the Move project; using her skills as a graphic designer to help us create and test the graphical user interface.



Patricia Bernal – PART Co-op Student

Dr. Heng Gan (Research and Clinical Fellow)

Heng joined the team in January 2012 by way of the UK. As a joint Research and Clinical Fellow, Heng will be with us for 2 years. Applying his knowledge as an anesthesiologist, Heng is currently working on calibrating and validating the Audio Oximeter.



Heng Gan – PART Research Fellow

Current Studies

Actively recruiting clinical studies

Please check out our website www.part.cfri.ca for an updated list of our current clinical and biomedical engineering studies.

Websites of Interest

Phone Oximeter

<http://phoneoximeter.org> for the latest information on the Phone Oximeter project.

Electrical and Computer Engineering in Medicine

<http://ecem.ece.ubc.ca> for information on our engineering projects.

Upcoming @ PART

What's happening April – June 2012?

CAS Annual Meeting

PART has 7 abstracts for presentation at the Canadian Anesthesiologist's Society (CAS) annual meeting this June in Quebec City, QC.

Research Meetings

First and third Tuesday of every month at 1pm in room A324

April 3 & 17, May 1 & 15, June 5 & 19

7am Research Rounds

April 25, May 23, June 13

Upcoming Deadlines

- UBC C&W Research Ethics Board (REB) submission deadlines are April 11, May 9, and June 13.



Walter Karlen demonstrating the Phone Oximeter to a mobile clinic nurse in Worcester, South Africa

