

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.

December 2011

Holidays!

From all the members of the PART, we wish you a safe and festive holiday season! We sincerely thank everyone that has supported the PART throughout the year.

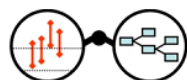
PART in Africa

Mark Ansermino traveled to Uganda (Kampala and Mbarara) and South Africa (Cape Town, Stellenbosch) in December to meet with collaborators and partners for various projects. Walter Karlen and Joanne Lim also headed to Stellenbosch for the next 6 months to be on the ground for their respective projects (Camera Oximeter, PIERS on the Move).

November 2011

PIERS on the Move at PRE-EMPT

Members of the PART participated in the PRE-EMPT (PRE-eclampsia – Eclampsia Monitoring, Prevention & Treatment) annual meeting in downtown Vancouver on November 2 - 3. This was a great opportunity for the PIERS on the Move team to meet, integrate and brainstorm with the international stakeholders and investigators for this upcoming project. We are excited to get this project off the ground.



PIERS (Pre-eclampsia Integrated Estimate of RiSk)

iACT Research Day

As the PART is a research unit within the Innovations in Acute Care and Technology (iACT) CFRI cluster, and a few of our projects were previously awarded seed funding, we were asked to present at the iACT Research Day on November 17. Dorothy Myers, Zoë Brown and Joy Sanders each presented their projects. Congratulations to Zoë for garnering the 1st place award with her project "Using Transesophageal Doppler to monitor changes in cardiac output and arterial blood pressure of pediatric patients' prone for scoliosis repair".

October 2011

To Africa and Beyond!

In collaboration with Charles Larson and Matt Wiens (Centre for International Child Health), we have sent two Phone Oximeters to Uganda for data collection and field testing. Once Matt gets settled on the ground in Uganda, we expect data collection to begin early in 2012. We are looking forward to seeing the preliminary results.

Plans for sending the Phone Oximeter into Bangladesh are also underway. Stay tuned for details!



High School Student

Sukhi Lally joined us from Earl Marriott Secondary School for a 3 week placement. She was able to do quite a bit of background research for one of our new studies in developing an app for pain, "iSmile" ©

Visiting Scholar

We welcomed Garth Cloete from Stellenbosch University (South Africa) to the PART for a 3 month visit. Garth will play a major role in PIERS on the Move and will be conducting his PhD research on the project.



Garth Cloete – PART Project Member

IEEE Global Humanitarian Technology Conference

Walter Karlen traveled to Seattle, USA (Oct 30 – Nov 1) to present “Automated validation of capillary refill time measurements using photoplethymogram from a portable device for effective triage in children”.

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.

Feature Study

CardioQ

Mark Ansermino, along with co-investigators Zoë Brown, Erin Cooke, Matthias Görjes, Stephan Malherbe and Andrew Morrison have recently begun an observational study investigating the changes in cardiac output in patients undergoing scoliosis correction surgery in the prone position. It uses the CardioQ monitor, a transesophageal Doppler, to compare cardiac output pre- and post prone positioning, after modest fluid loading (5ml/kg), and vertebral traction (rod insertion). This study will recruit 30 otherwise healthy children aged 10 – 18 years. Contact Matthias Görjes (mgorges@cw.bc.ca) for more information.

Meet a Team Member

Aryannah Umedaly (Research Assistant)

Aryannah joined PART in September 2011 after graduating from UBC with a BSc in Biology earlier this year. We look forward to continuing our work with Aryannah. She can be reached at 604 875 2000 ext. 5926 or aryannah.umedaly@cw.bc.ca.



Aryannah Umedaly – PART Research Assistant

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 January – March 2012?

STA Annual Meeting

PART has 6 abstracts for presentation at the Society for Technology in Anesthesia (STA) meeting from January 18 - 21 in Palm Beach, FL, USA.

Research Meetings

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

January 3 & 17

February 7 & 21

March 6 & 20

7am Research Rounds

January 25, February 29, March 21

Upcoming Deadlines

- UBC C&W Research Ethics Board (REB) submission dates are January 11, February 8, and March 14.
- CAS meeting abstract submission: January 16
- CAS research grant submission: January 6

