The Official PART Newsletter

January – June 2015
The Pediatric Anesthesia Research Team has been busy this year, with lots of events and successes to report!

CFRI Outstanding Achievement Award
Congratulations to Ainara Garde for receiving the 2015 CFRI Outstanding Achievement by a Postdoctoral Fellow Award!

RRate Wins an Award
RRate app has been selected as a recipient of a 2015 Connected to the Community Award for its use of wireless technology to improve the lives of Canadians. This award is an opportunity for the Canadian Wireless Telecommunications Association to pay tribute to outstanding organizations in recognition of their partnerships with Canada’s wireless industry. The award ceremony was held in Vancouver on April 16, 2015.

Conference Participation
STA
Mark Ansermino, Matthias Görges, Nick West, Sonia Brodie, Chris Petersen and Dustin Dunsmuir travelled to Phoenix for the annual Society for Technology in Anesthesia conference. The team presented 7 posters.

IARS
Mark Ansermino, Matthias Görges and Sonia Brodie travelled to warm and sunny Honolulu, Hawaii for the International Anesthesia Research Society’s annual meeting. Sonia presented a poster on iControl and Matthias presented a poster on RRa.

Funding
Three recent grant applications have been funded! The team has been awarded an NSERC Collaborative Research and Development Grant ($438,082 over 3 years) to extend the capabilities of the Phone Oximeter and develop a neonatal sensor; a CIHR Proof of Principle Phase I award ($160,000, 1 year) to move towards commercialization of iControl, our dual-drug closed-loop control anesthesia system; and an Alva Foundation award ($135,500 over 3 years) to evaluate use of the Phone Oximeter for at home evaluation of obstructive sleep apnea in children. We can’t wait to get started!
ISPP
Chris Petersen and Anthony Emmott travelled to Seattle to present at the International Symposium on Pediatric Pain. 5 posters were presented, including: The tonsillectomy audit, the belly breathing app, work on intravenous lidocaine infusion during scoliosis correction, the Panda app, and work on Naloxone for the prevention of opioid induced pruritus.

World Congress on Sleep Medicine
Ainara Garde travelled to Seoul, Korea for the World Congress on Sleep Medicine. She presented: Detection of Sleep Apnea Events in Children Using The “Phone Oximeter” and received the Young Investigator Award.

PART Around Town
The Sensor Project
The first fundraiser for the Sensor Project was held on May 28, 2015, raising more than $13,000 for a life-saving initiative in the developing world led by UBC clinicians and scientists.

Ski trip
The team went to Whistler for our annual ski trip. While the weather wasn’t great, the team still had lots of fun!

UBC Sports Day
The PARTy Animals made a return appearance at the annual UBC Faculty & Staff Sports Day.

NWAC
Mark Ansermino and Chris Petersen attended the Networking World Anesthesia Convention, held locally.

SLEEP 2015
Ainara Garde and Parastoo Dehkordi travelled to Seattle for the joint meeting of the American Academy of Sleep Medicine and the Sleep Research Society.

iCAN Research Summit
Our delegation (Manil Chowdhury, Siaw Yee Chew, Jessica Bo, Aaron Sihoe and Vivian Tsang) travelled to Washington D.C. to represent KidsCan at the International Children’s Advisory Network Summit.

CAS
Richard Merchant (UBC, Royal Columbian Hospital) travelled to Ottawa for the annual Canadian Anesthesiologists’ Society meeting. He presented a poster on behalf of PART on iControl.

APA
Gillian Lauder, travelled to Aberdeen, where she joined previous fellows Joy Dawes and Heng Gan for the meeting of the Association of Paediatric Anesthetists of Great Britain and Ireland. Our research garnered two awards 1) First prize for free papers (oral presentation): Pharmacokinetics of single dose oral morphine in healthy children following surgery; and 2) First prize for posters: RRate

World Congress on Sleep Medicine
Ainara Garde Presenting at World Congress on Sleep Medicine

NWAC
Ainara Garde and Parastoo Dehkordi Presenting at NWAC

SLEEP 2015
Ainara Garde Presenting at SLEEP 2015

iCAN Research Summit
Ainara Garde Presenting at iCAN Research Summit

CAS
Richard Merchant at CAS

PART-Time runners at Child Run

ChildRun
Team members of all ages completed the 5 km course around the hospital neighbourhood. The ChildRun supports oncology research at BC Children’s Hospital, and the PART has been an annual participant for more than 10 years. The run raised $1 Million for research.
Farewell Fellows Dinner
As is the annual BCCH Department of Anesthesia tradition we say thanks and farewell to our two clinical research fellows, Peter Harper and Lindsay Rawling, with a wonderful dinner at the Royal Vancouver Yacht Club. We wish them well in their careers. We look forward to working with the incoming fellows.

Meet a Team Member!

- Roslyn Massey (Summer Student)
  Roslyn is currently enrolled at Queen’s University. She joined us this summer to work with Chris Petersen on the EEG simulator project.

- Amos van Dijck (Summer Student)
  Amos joined in June. He is currently enrolled at Aberystwyth University in Wales. This summer he worked on the CardioQ-RP study with Zoë Brown and Matthias Görges.

Feature Study

**POPAPT**
We are interested in measuring pre- and post-surgical overnight oxygen levels at home, in children who will have had their tonsils and/or adenoids removed. Contact us (part@cw.bc.ca) for more information. Please visit our website www.part.cfr.ca for an updated list of our current clinical studies.

Websites of Interest

- Electrical and Computer Engineering in Medicine [http://ecem.ece.ubc.ca](http://ecem.ece.ubc.ca) for information on our engineering projects.
- LionsGate Technologies [http://lgtmedical.com](http://lgtmedical.com) for information on our spin-off company.
- The Sensor Project [http://thesensorproject.org](http://thesensorproject.org) for information on how you can help by donating.

Upcoming @ PART

- **What’s happening July-Sept 2015?**
  - July 31, PART Summer BBQ @ the Anserminos’
  - PART Baseball Afternoon – join us Wednesday August 19th at 1:05pm (Canadians vs Tri-City) see Sonia for more details
  - EMBC, Aug 25-29 in Milan
  - IFAC, Aug 31-Sep 2 in Berlin
  - REDCapCon, Sep 28-30 in Portland

Research Meetings

First and third Tuesday of every month at 11:30am in the Clinical Support Building: room V3-302
July 7 & 21, August 4 & 18, and September 8 & 22.

7am Research Rounds
July 22, September 16

Upcoming Deadlines
See the PART update meeting minutes for approaching deadlines. Contact part@cw.bc.ca if you would like to be included on our distribution list.