**BCATPR Workshop 2013:**

**Mobile applications to support behaviour change, clinical decision making and health service delivery**

*Tuesday, June 18, 2013*  
St. Paul’s Hospital, Vancouver, British Columbia  
Register today at [www.bcatpr.ca/workshops](http://www.bcatpr.ca/workshops)

Join us for British Columbia’s premier multidisciplinary workshop for those interested in use of telemedicine, telehealth, mobile health technologies, remote monitoring and web-based programs for chronic disease management. This year’s workshop theme underlines the importance of mobile and web-based telehealth applications that can be used by patients, clinicians, and health policy decision makers.

**Workshop Program**

<table>
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<th>Time</th>
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| 11:00 AM - 11:50 PM | Registration Opens, Stand-up Lunch, Poster Session  
                      Poster Session / Exhibit Hall opens at 9:00 AM for set-up |
| 11:55 PM - 12:00 PM | **Opening Remark:** Dr. Scott Lear, BCATPR Lead                                                |
| 12:00 PM - 12:45 PM | Dr. Bonnie Spring  
                      **Using Technology to Develop Powerful Behaviour Change Interventions**          |
| 12:45 PM - 1:15 PM | Dr. Keith Dawson & Hesham Nabih  
                      **The Virtual Diabetes Centre - Delivering Telemedicine Education and Telehealth Consultative Care in First Nation Communities (Seabird Island)** |
| 1:15 PM - 1:55 PM | Dr. Daniel Schwartz  
                      **Care Pathway Optimization Using Mobile and Web-based Tools**                       |
| 2:00 PM - 2:30 PM | Poster Session/Networking coffee break                                                       |
| 2:30 PM - 3:00 PM | Michele Lane  
                      **HealthLinkBC and the BC Health Service Locator App**                                  |
| 3:00 PM - 3:20 PM | Jeff Barnett  
                      **Navigating the Privacy and Security Challenges with Mobile Devices**                  |
| 3:20 PM - 3:40 PM | Dr. Jonn Wu  
                      **Assessing the Role of Mobile Solutions in Clinical Workflow and Access to Clinical Information in Oncology: A Catalyst for Innovation and Collaboration at BCCA** |
| 3:45 PM - 4:00 PM | Announcement of Poster Session winners  
                      **Closing remark:** Dr. Andrew Ignaszewski, Head of Division of Cardiology, St. Paul’s Hospital |
**Speaker Sessions**

**Dr. Bonnie Spring**, Professor of Preventive Medicine, Psychology and Psychiatry; Director, Center for Behavior and Health, Northwestern University, Chicago  
**Using Technology to Develop Powerful Behaviour Change Interventions**

New e-health technologies are proliferating at an astonishing rate, but do they have practical application in healthcare? To discuss that question, the speaker will describe the rationale and development of a series of mHealth intervention systems to foster healthy change in diet and physical activity. Issues to be considered are: (a) whether e-health treatments redress health disparities by increasing treatment reach, or whether they augment a pre-existing digital divide; (b) whether e-technologies, in and of themselves, produce and maintain clinically meaningful change; (c) how to manage the “big data exhaust” generated by e-health technologies; (d) lessons learned in integrating e-health interventions into existing systems of care. The fact that growth of e-health tools is vastly outstripping development of the evidence base for their effectiveness creates important challenges and opportunities for implementation of behavior change interventions.

**Dr. Keith Dawson**, Professor of Medicine (Emeritus), UBC  
**Hesham Nabih**, President, HN Consultants Ltd.  
**The Virtual Diabetes Centre – Delivering Telemedicine Education and Telehealth Consultative Care in First Nation Communities (Seabird Island)**

Since 2003 we have been involved with the Health Canada-funded Mobile Diabetes Telemedicine Clinic and the simultaneously developed Live well with Diabetes education platform. These have now been combined in the Virtual Diabetes Centre. These two projects are also associated with the project “Diabetes and my Nation”. These programs serve to educate people with diabetes in multiple languages (10), communities of First Nations people on the Internet regarding all aspects of treating type 2 Diabetes, and to provide a secure EMR that is used to treat people in communities throughout BC. The Seabird Island has just celebrated their 1000th patient served on this system.

**Dr. Daniel Schwartz**, Medical Director, Renal Program, Fraser Health Authority  
**Care Pathway Optimization Using Mobile and Web-based Tools**

The rise of smartphones, tablets and web apps have provided opportunities to enhance evidence-based practice. RenalConnect ensures adherence to care pathways for patients with end stage renal disease, while providing robust, real-time analytics that can be used to evaluate CQI activities. Mobile apps such as Calculate by QxMD and Read: Personalized Medical Journal encourage engagement with & application of current research and best practices. These applications will be discussed as a means to facilitate knowledge translation at the point of care.

**Michele Lane**, Executive Director, Navigation Services, HealthLinkBC, Ministry of Health Services  
**HealthLinkBC and the BC Health Service Locator App**

HealthLinkBC (HLBC) is a non-emergency health information service that provides B.C. residents with 24-hour access to medically-approved information and advice at anytime from anywhere in the province via print, phone, web and mobile. Because mobile internet use is an increasing trend, HealthLink BC developed the BC Health Service Locator (BCHSL) app for Apple mobile devices. The BC Health Services Locator app helps citizens locate health services they may need when they are ‘on the go’, or when their regular point of access to health services (e.g. family physician) is not available. The information contained in the app is a subset of www.HealthLinkBC.ca and includes hospitals, emergency rooms, after-hours pharmacies, labs and walk-in and immunization clinics.

**Jeff Barnett**, Director of Clinical Informatics, BC Cancer Agency  
**Navigating the Privacy and Security Challenges with Mobile Devices**

Mobile devices such as smartphones, tablets and ultrabooks add a newer layer of challenge for those of us working in the clinical and research realm. They have the potential to allow access to all sorts of systems from the Internet and, coupled with Cloud technology, can make a huge amount of data accessible. However, the main challenge for these devices is navigating issues that are bounded by provincial legislation and other jurisdictional regulations such as those from professional colleges. This presentation will provide an overview of some of the legislative and regulatory challenges faced when deploying mobile applications. It will also offer potential solutions and advice on how to ensure that personal health information is not compromised and show how these devices may in fact enhance security and protection.

**Dr. Jonn Wu**, Chief Medical Information Officer, BC Cancer Agency  
**Assessing the Role of Mobile Solutions in Clinical Workflow and Access to Clinical Information in Oncology: A Catalyst for Innovation and Collaboration at BCCA**

Expanding on the topic of mobile health devices, Dr. Wu will present an example of a mobile project used at the BC Cancer Agency and its role in improving clinical workflow.
Poster Sessions

Nursing Faculty’s Competency in Informatics and Technology Contributes to Success of Tomorrow’s Students
Sharon Wong, Faculty Development Coordinator, BSN Program, British Columbia Institute of Technology (BCIT)

Video Conferencing: A Viable Option for Hosting Art Therapy and Other Support Groups from a Distance?
Sara Prins Hankinson, Art Therapist, BC Cancer Agency (BCCA), Julie Pulis, Clinical Counselor, BCCA,
Gregory Huebner, Clinical Counselor, BCCA, Gina MacKenzie, Provincial Director, Psychosocial Oncology and Psychiatry, BCCA,
& Elaine Shearer, Community Education Coordinator, BCCA

FACT (Facts/Feelings About Cancer 4 Teens): The BC Cancer Agency’s New Teens’ Web-based Resource
Sara Prins Hankinson, Art Therapist, BCCA, Gina MacKenzie, Provincial Director, Psychosocial Oncology and Psychiatry, BCCA,
Patricia Nitkin, Clinical Counselor, BCCA, & Karen Janes, Regional Professional Nursing Practice Leader, BCCA

Using Principles of Behavioural Economics in a Tablet-Based Decision Aid to Improve Treatment Decision-Making
Nick Bansback, Assistant Professor, School of Population and Public Health, University of British Columbia (UBC)

TeleCardiology on Vancouver Island: Imagination to Implementation
Margarita Loyola, Manager Telehealth, Vancouver Island Health Authority (VIHA), Trent Horwood, Telehealth Nurse Lead, VIHA, Mya Aylott, Telehealth Analyst, VIHA, Jill Henderson, Telehealth Specialist, VIHA, & Gary Frank, Telehealth Specialist, VIHA

TelePharmacy: Enabling Real-Time Medication Verification Remotely
Margarita Loyola, Manager Telehealth, VIHA, Gary Frank, Telehealth Specialist, VIHA, Mya Aylott, Telehealth Analyst, VIHA, Trent Horwood, Telehealth Nurse Lead, VIHA, & Jill Henderson, Telehealth Specialist, VIHA

Jurisdictional Barriers To Delivering Cross-Provincial Cancer Care: An Environmental Scan
Adina Rojubally, Research Manager, Provincial Psychosocial Oncology Program, BCCA, & Joanne Stephen, Clinician Scientist, Provincial Psychosocial Oncology Program, BCCA

Program Evaluation Of CancerChatCanada: Recent Results on Outreach and Participant Experience
Joanne Stephen, Clinician Scientist, Psychosocial Oncology Program, BCCA, & Adina Rojubally, Research Manager, Psychosocial Oncology Program, BCCA

Can Patient Self-Reported Histories Through Tablet Devices Improve the Quality and Efficiency of Clinical Encounters?
Damon Ramsey, Clinical Instructor, UBC, Romina Mahboub, SFU Mechatronic Systems Engineering student, & Morad Hameed, Assistant Professor of Surgery and Critical Care Medicine, Director, General Surgery Residency Program, UBC

Exploring e-Health Ethics and Multi-Morbidity: A Qualitative Study of Patient and Clinician Views and Experiences of Using Digital Media for Health Purposes
Anne Townsend, Department of Occupational Science and Occupational Therapy, UBC, Paul Adam, Rheumatology Liaison & Outreach Services Coordinator, Mary Pack Arthritis Program, Linda Li, Harold Robinson / Arthritis Society Chair in Arthritic Diseases, Department of Physical Therapy, UBC, Michael McDonald, Professor Emeritus of Applied Ethics, UBC, & Catherine Backman, Head of the Department of Occupational Science and Occupational Therapy, UBC

Development and Pilot Testing of the Arthritis Health Journal for Rheumatoid Arthritis
Paul Adam, Rheumatology Liaison & Outreach Services Coordinator, Mary Pack Arthritis Program, Diane Lacaille, Department of Medicine, UBC, Linda Li, Department of Physical Therapy, UBC, Gwen Ellert, Health Educator, Trelle Enterprises Inc., & Beverly Mitchell, Director: Business, Telehealth & Collaboration Services, IMITS, PHSA/VCH/PHC
A Proof-of-Concept Study of ANSWER, A Web-Based Methotrexate Decision Aid for Patients with Rheumatoid Arthritis

Linda Li, Department of Physical Therapy, UBC, Paul Adam, Mary Pack Arthritis Program, Catherine Backman, Department of Occupational Science and Occupational Therapy, Sydney Lineker, The Arthritis Society, Ontario Division, Allyson Jones, Department of Physical Therapy University of Alberta (UAlberta), Diane Lacaille, Division of Rheumatology, UBC, Anne Townsend, Milan Ilich Arthritis Research Centre, Elaine Yacyshyn, Division of Rheumatology, UAlberta, Charlene Yousefi, Milan Ilich Arthritis Research Centre, Peter Tugwell, Institute of Population Health, University of Ottawa (uOttawa), & Dawn Stacey, Faculty of Nursing, uOttawa

Teaching and Learning with Mobile Devices in Nursing Education

Glynda Doyle, Faculty of Nursing, BCIT

Smartphone application for Pulmonary Rehabilitation

Evgeny Vinnik, PhD Student, SFU, Christen Chan, MSc Student, UBC, & Pat Camp, Assistant Professor/Clinician-Scientist, UBC James Hogg Research Centre, Institute for Heart + Lung Health

Smartphone Application to Detect and Prevent Falls

Evgeny Vinnik, PhD Student, SFU, Omar Aziz, Research Assistant/PhD Student, SFU, Steve Robinovitch, Associate Professor, SFU, Alexandra Fedorova, Associate Professor, SFU, & Greg Mori, Associate Professor, SFU

Maternal Fetal Medicine – Expanding Specialist Services into Distant Communities

Loretta Zilm, Manager of Telehealth, Interior Health Authority & Valerie Ashworth, Manager, Telehealth Program, Provincial Health Services Authority

Online-Group-Video Counselling for Patients with Cardiovascular Disease (CVD)

Monica B Lee, MSc Candidate, SFU, Yuriko Araki, Director of Research and Development, BCATPR, & Scott Lear, Professor, SFU

REGISTRATION

Register today at www.bcatpr.ca/workshops.
Registration rates include lunch and refreshments, and are as follows:

Regular: $30*
Student: $20*
*plus GST

ABOUT THE BCATPR

The BCATPR is a multi-disciplinary research team working in the area of health-related services using telecommunications technologies. This alliance is a joint partnership consisting of academic institutions and provincial health authorities committed to providing relevant evidence and capacity building for integration of sustainable telehealth care services into routine health care practices within British Columbia. We are the only research team in British Columbia to study the use of Internet-based technology for the management of chronic diseases. For more information, please visit www.bcatpr.ca.