



women & children's  
health research institute

**2015**

# Research Day Program Guide

October 28, 2015

Westin Hotel

The Power of Partnership



# Acknowledgements

## Thank you

The Women and Children's Health Research Institute (WCHRI) is a partnership between the University of Alberta and Alberta Health Services and is generously supported by the Stollery Children's Hospital Foundation and donors to the Lois Hole Hospital for Women.

### The University of Alberta and the Faculty of Medicine & Dentistry



The University of Alberta strives to create and support an environment of research excellence across the university to fuel knowledge advancement, discovery and innovation, all of which contribute significantly to society provincially, nationally and globally. Through the continued support of the U of A and the Faculty of Medicine & Dentistry (FoMD), WCHRI is able to house its research support and administrative staff. FoMD also partially funds WCHRI's operating expenses, without which the institute would not be able to manage its grants programs and research support initiatives.

### Alberta Health Services



Alberta Health Services has been a strong and active supporter since WCHRI's inception. Innovative clinical research goes hand-in-hand with providing the best evidence-based patient care for patients in Alberta. AHS has identified "incenting research and innovation of the highest value to Albertans" as one of its top strategic priorities. WCHRI is pleased to be working as a valued research partner with AHS in advancing this priority.

### The Stollery Children's Hospital Foundation

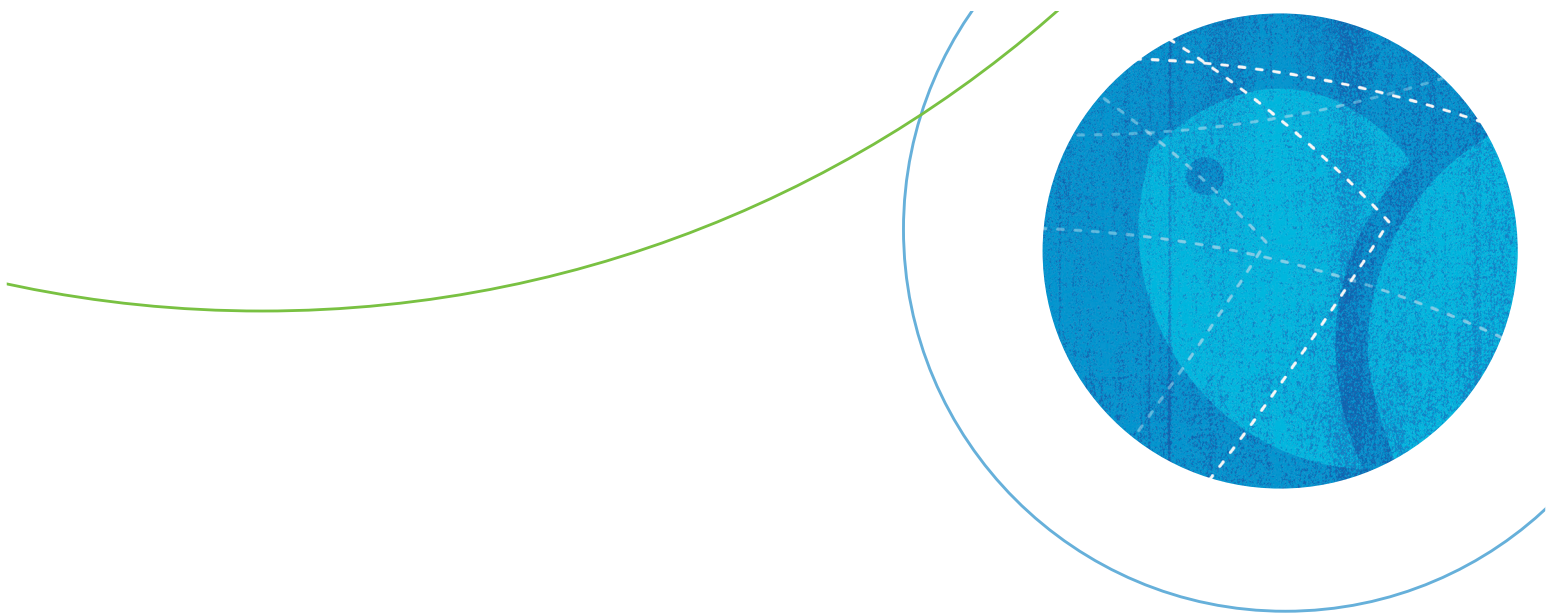


The Stollery Children's Hospital Foundation (SCHF) is dedicated to raising funds to build the Stollery Children's Hospital into the best children's health-care delivery, research and teaching institution in the world. The foundation recognizes the tremendous impact that research has on disease prevention, treatment and improved health outcomes for children. Over the ten-year period of May 2006 to April 2016, SCHF committed more than \$30 million to support WCHRI, which represents the contributions of thousands of individual donors.

### The Royal Alexandra Hospital Foundation



The Royal Alexandra Hospital Foundation (RAHF) inspires community support for the Royal Alexandra Hospital and its medical centres of excellence. This includes the Lois Hole Hospital for Women, where donor support brings advanced technologies, facility enhancements and exciting new opportunities for research in women's health. Donor support for this research is provided to the Women and Children's Health Research Institute and totals \$11 million over a ten-year period from May 2006 to April 2016.



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## Canadian Paediatric Society certification

This event has been approved by the Canadian Paediatric Society (CPS) for a maximum of 4.5 credit hours under the Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada. The specific opinions and content of this event are not necessarily those of the CPS, and are the responsibility of the organizer(s) alone.

# Director's message



If research is the foundation of health care innovation, then it can also be said that training the next generation of scientists is key to research advancement.

Encouraging and supporting aspiring young researchers has always been one of the top priorities for the Women and Children's Health Research Institute (WCHRI). We are proud to showcase the work of a promising crop of talented students and trainees. This year, for our 8th annual Research Day, we received more than 170 abstract submissions, spanning a breadth of research topics.

Many of these projects are the outcome of research work that has been supported by WCHRI through a number of programs, including summer and graduate studentships, resident/clinical fellow trainee research grants and travel funding for conference presentations. In the past (2014-2015) year, WCHRI provided 92 trainee and student awards, and you'll have the opportunity to view some of the outcomes of these awards today.

Evaluations from our past Research Days, along with the growth in registrations and abstract submissions, attest to the invaluable experience gained by students and trainees in presenting their work and receiving feedback from leading researchers and peers. The mentoring and knowledge gained by students and trainees can be enormously helpful in making informed academic and career choices.

Although Research Day is a special occasion for our students and trainees to shine, it also offers a wonderful opportunity for senior researchers to share their work, network and hear keynote speakers who are national and international leaders in their fields. This year we are delighted to have Dr. Peter Rosenbaum, an internationally recognized authority on childhood disability from McMaster University, give our keynote address.

Thank you for helping to make this Research Day a success and for your continued commitment to women and children's health and well-being. And thank you to our funders, the Stollery Children's Hospital Foundation and donors who support the Lois Hole Hospital for Women for their generosity.

Dr. Sandra Davidge, Director  
Women and Children's Health Research Institute



# WCHRI overview

The Women and Children's Health Research Institute (WCHRI) supports research excellence dedicated to improving the health and lives of women and children. WCHRI's dual focus on women and children's health promotes the seamless integration of women's health, pregnancy research, and neonatal, pediatric and adolescent health. Supporting research in academic and hospital settings creates an environment that facilitates the translation of knowledge to practice – from the bench to the bedside and the community for the benefit all Albertans. Our membership is made up of 420 leading researchers, clinicians and clinician-scientists from a diversity of academic and clinical disciplines.

## Vision

To harness the power of research innovation for a healthy future for children and women

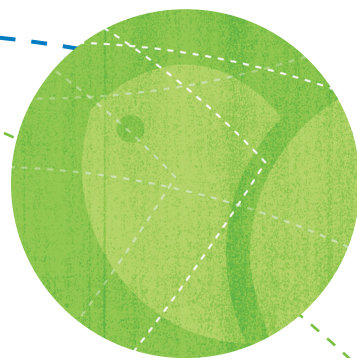
## Mission

WCHRI will foster the brightest minds to discover, innovate and ultimately transform the health of children and women through supporting research excellence.

## Principles

The following operating principles (FACTTS) support WCHRI's research mission:

- **Facilitate** research activities, build capacity, catalyze research innovation and excellence;
- **Advocate** for women and children's health research platforms, programs and policy;
- **Communicate** research outcomes to stakeholders, patients, community and government;
- **Train** the next generation of researchers;
- **Translate** knowledge to support evidence informed practice and policy;
- **Sustain** operations through effective accountability reporting and stakeholder engagement.



## Pillars of research

WCHRI's five-year strategic roadmap focuses on four areas of research.

### Research integrated hospitals and communities



Improve health outcomes for children and women through research embedded at the point of care

### Healthy development



Optimize maternal and infant health outcomes; develop early intervention and prevention strategies to reduce the risk for lifelong chronic disease

### Children's health and well-being



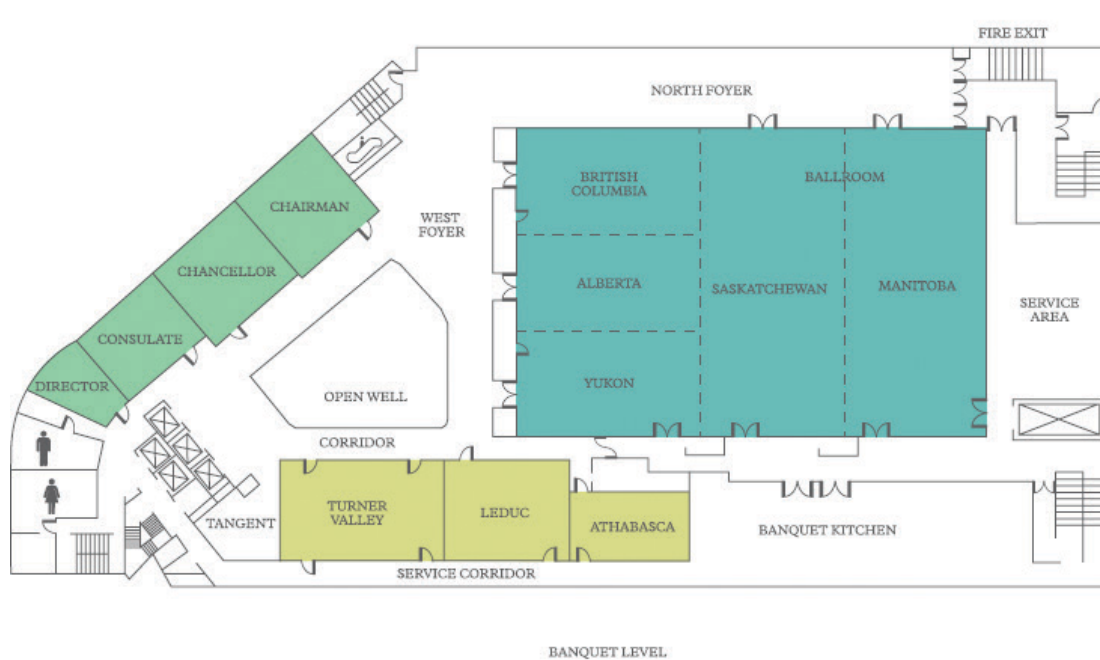
Identify effective treatments to address the unique health needs of children; improve our understanding of rare and complex childhood diseases

### Lifelong women's health



Support research that addresses mechanisms related to the unique health needs of women; improve reproductive health outcomes

## Venue map



# Program at a glance

Time					
07:00	07:45	<b>Breakfast/Registration/Poster Set-up</b>			
07:45	07:55	<b>Welcome - Dr. Sandra Davidge - Ballroom</b>			
08:00	08:50	Workshop #1 <i>Chairman Room</i>  <b>How to get the most out of your mentor</b>  Drs. Gary Lopaschuk, Shannon Scott and Sue Ross	Workshop #2 <i>Turner Valley Room</i>  <b>So you want to get a grant?</b>  Drs. David Eisenstat and Ryan Perry	Workshop #3 <i>Leduc Room</i>  <b>Knowledge translation: We all do this, so what's all the fuss?</b>  Dr. Peter Rosenbaum	
09:00	10:30	Oral #1 <i>Chairman Room</i>  <b>Nutrition</b>	Oral #2 <i>Chancellor Room</i>  <b>Maternal and maternal-fetal health</b>	Oral #3 <i>Leduc Room</i>  <b>Pediatric and immunology</b>	Oral #4 <i>Turner Valley Room</i>  <b>Pediatric subspecialty residents</b>
10:30	11:45	<b>Poster Viewing 1 / Judging - Ballroom</b>			
11:45	12:30	<b>Lunch - Ballroom</b>			
12:30	13:30	Keynote speaker - Dr. Peter Rosenbaum <b>The F-words of developmental disability</b>			
13:45	15:15	Oral #5 <i>Chairman Room</i>  <b>Pediatrics and genetics</b>	Oral #6 <i>Chancellor Room</i>  <b>Women's health</b>	Oral #7 <i>Leduc Room</i>  <b>Knowledge translation and decision making</b>	Oral #8 <i>Turner Valley Room</i>  <b>Pediatric residents</b>
15:15	16:45	<b>Poster Viewing 2 / Judging / Reception - Ballroom</b>			
16:45	17:30	<b>Awards / Wrap-up - Ballroom</b>			

# Detailed program

## 07:00 – 07:45

Registration, poster set-up and breakfast – *Foyer*

## 07:45 – 07:55

Welcome – *Ballroom*

Dr. Sandra Davidge, Director, Women and Children's Health Research Institute

## Workshop 1: *Chairman Room*

08:00 – 08:50

### How to get the most out of your mentor

**Dr. Gary Lopaschuk, Dr. Shannon Scott and Dr. Sue Ross**

Three senior investigators, who are all members of WCHRI's Scientific Advisory Committee, share their tips and ideas on how to get the most out of mentorship relationships. The presentation will be followed by a Q and A and interaction with the audience. This workshop will help participants understand:

- the attributes of a great mentor;
- how to find the right mentor;
- mentorship is a two-way street;
- how to develop long- and short-term goals that are SMART (specific, measurable, achievable, realistic and time-bound);
- the time, attention and commitment mentorships require;
- the importance of coming to meetings prepared;
- how to provide mentors with feedback;
- building networks; and
- not to take advantage of the relationship.



**Dr. Gary Lopaschuk** is a cardiovascular researcher and a distinguished professor and associate chair of research in the Department of Pediatrics at the University of Alberta (U of A). His research focuses on the regulation of fatty acid oxidation in the heart, and the mechanism by which high rates of fatty acid oxidation contribute to heart disease and heart failure. Dr. Lopaschuk is an Alberta Innovates – Health Solution (AIHS) Scientist and is a fellow of the Royal Society of Canada. He has served as scientific director of the Mazankowski Alberta Heart Institute and in a number of capacities with the Heart Stroke Foundation of Canada. He is also president and CEO of Metabolic Modulators Research Ltd., a biotechnology company that is developing novel drugs to treat heart disease that optimize energy metabolism in the heart. He has published more than 370 research articles and has received the Canadian Cardiovascular Research Achievement and the International Academy of Cardiovascular Sciences Research Achievement Awards.





**Dr. Shannon Scott** is a Canada Research Chair for Knowledge Translation in Child Health (Tier 2) and a Population Health Investigator, Alberta Innovates - Health Solutions (AIHS). She is also a professor in the Faculty of Nursing at the U of A, and has developed a highly successful program of knowledge translation research in child health in the faculty. Her research program focuses on knowledge translation (KT) in pediatric health settings to improve outcomes for children, their families and the health care system. She has been recognized for her research by the Canadian Institutes of Health Research (CIHR) Monique Begin KT award and was recently admitted into the College of New Scholars, Artists and Scientists at the Royal Society of Canada, Canada's oldest and most prestigious scholarly institution. Several of her manuscripts have been among the most highly accessed papers in the top ranked international KT journal, *Implementation Science*. Mentoring trainees and junior colleagues is an important element of Dr. Scott's academic work.



**Dr. Sue Ross** holds the Cavarzan Chair in Mature Women's Health Research at the Lois Hole Hospital for Women.\* Dr. Ross is a health services researcher with 25 years of experience in designing, conducting and publishing clinical trials and other types of research in respiratory medicine, general surgery, and family medicine. For the past 15 years she has worked in obstetrics and gynecology. Her current interests center on women's pelvic floor disorders (pelvic organ prolapse and incontinence) and menopause. Dr. Ross's research has been funded by a variety of sources from CIHR to device manufacturers. She has published in journals, ranging from the *New England Journal of Medicine* to the *Journal of Obstetrics and Gynaecology Canada*, and a number of her papers have been cited more than 500 times. Dr. Ross has mentored many clinician researchers and epidemiologists as graduate students. She has also specialized in mentoring obstetrical residents who are reluctantly thrust into what appears to be an alien research environment.

\*The Cavarzan Chair is funded through WCHRI by generous supporters of the Lois Hole Hospital for Women.

## Workshop #2: Turner Valley Room

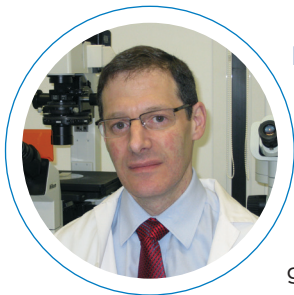
08:00 – 08:50

### So you want to get a grant?

**Dr. David Eisenstat and Dr. Ryan Perry**

This workshop will provide an overview of the grant application process from beginning to end. Topics will include: fundamentals of good grant writing, how to get started, timelines, how to correctly complete an application, writing a research proposal, the peer review process, planning tips, and common mistakes and how to avoid them. This session will help participants to:

- understand the steps required in designing and executing a basic or clinical study;
- identify who to talk to before preparing a grant;
- understand the key pillars needed to create a solid foundation for the grant;
- outline the key steps in preparing a grant; and
- assess when to submit a grant.



**Dr. David Eisenstat** is a pediatric oncologist (Hospital for Sick Children, MD Anderson Cancer Center) and developmental biologist (University of California, San Francisco) who is interested in linking children's cancer and development. He is a member of WCHRI's Scientific Advisory Committee and a professor, division director and Muriel & Ada Hole Kids with Cancer Society Chair in Pediatric Oncology, Department of Pediatrics at the U of A. Over the course of his academic career, Dr. Eisenstat has submitted many grants to non-profit foundations as well as to local, provincial and federal government supported funding agencies. As a reward for the occasionally funded grant, he has served on dozens of grant panels and currently serves as a virtual chair for the CIHR, a panelist for the Leukemia Lymphoma Society of Canada and the Canadian Cancer Society Research Institute and on the AIHS Clinician Research Training panel. For this workshop session, Dr. Eisenstat will provide the perspective of the applicant.



**Dr. Ryan Perry** is the lead, Academic Initiatives at Alberta Innovates - Health Solutions (AIHS). As part of his responsibilities, he manages a portfolio of AIHS funding opportunities. This includes overseeing peer-review processes, award development and implementation, and ensuring that AIHS's funding is aligned with provincial health priorities and meets the needs of stakeholders. Dr. Perry's wide range of experience spans the spectrum of health research and innovation. He has an in-depth understanding of the health research environment and the importance of integration and collaboration needed to achieve results. Prior to joining AIHS, Dr. Perry was the knowledge translation specialist for the Mazankowski Alberta Heart Institute where his role was to develop, implement and facilitate the translation of basic biomedical discoveries to the bedside and into the community. He has held positions on a variety of review committees, and research and innovation steering committees and boards in the province. For this workshop session, Dr. Perry will provide the perspective of the funding agency.

## Workshop 3: *Leduc Room*

08:00 – 08:50

### Knowledge translation: We All do this, so what's all the fuss?

**Dr. Peter Rosenbaum**

Few child health professionals would argue against the need for knowledge translation (KT) in pediatric health research. The question is how to do it better?

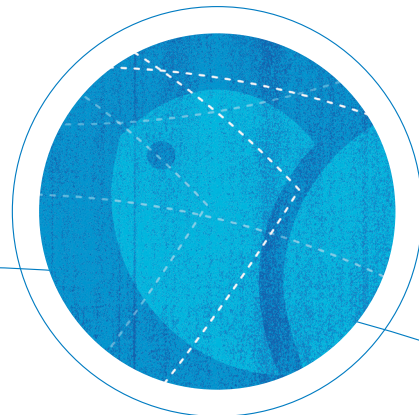
Improving the quality of KT relates to the entire research path from the study question to design, recruitment, conduct and the reporting and implementation of findings. Do your researchers, clinicians and trainees know how to transfer knowledge? Do they understand why knowledge transfer is important? Are they able to develop a KT plan for grant proposals?

Based on current evidence, this interactive workshop will highlight the dos and don'ts in developing KT strategies. It will help participants to:

- improve their understanding, knowledge and attitudes related to KT;
- develop KT research plans;
- communicate research findings to multiple audiences;
- share research knowledge through the media; and
- link with stakeholders and policy- and decision-makers.



**Dr. Peter Rosenbaum** is also the keynote speaker. Please see his bio on page 20.



## Oral presentation #1: *Chairman Room*

09:00 – 10:30

# Nutrition

#	Name	Position	Supervisor	Abstract title
1	<b>Caroline Richard</b>	Post-doctoral fellow	Catherine Field	Feeding a diet enriched in docosahexaenoic acid to lactating dams changes the tolerance response to egg protein in suckled pups
2	<b>Sarah Lee</b>	MSc student	Noreen Willows	Protecting and coping: Exploring the experience of food insecurity among postsecondary students with children
3	<b>David Lim</b>	Resident	Justine Turner	EXOGENOUS glucagon-like peptide-2 therapy improves parenteral nutrition associated liver disease by altering bile acid metabolism
4	<b>Arnaldo Perez</b>	PhD student	Geoff Ball	Why do parents discontinue health services for managing pediatric obesity?
5	<b>Deenaz Zaidi</b>	PhD student	Eytan Wine	Quantitative analysis of capillary flow rate in the duodenum of pediatric inflammatory bowel diseases
6	<b>Leticia Pereira</b>	PhD student	Carla Prado	Comparison of resting energy expenditure predictive equations in exclusively breastfeeding women

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Oral presentation #2: *Chancellor Room*

09:00 – 10:30

# Maternal and maternal-fetal health

#	Name	Position	Supervisor	Abstract title
7	<b>Barbara Verstraeten</b>	PhD student	David M. Olson	Stress and interleukin-1 $\beta$ (IL-1 $\beta$ ) adversely influence maternal and offspring outcomes in rat pregnancy: a two-hit hypothesis
8	<b>Mais Aljunaidy</b>	PhD student	Sandra Davidge	Effect of maternal antioxidant mitoQ on cardiomyocyte development in a rat model of intrauterine growth restriction (IUGR)
9	<b>Amy Toosi</b>	PhD student	Dawn Kingston	Increasing awareness about the benefits of a pre-conceptional multivitamin containing folic acid among international migrant women
10	<b>Gendresa Beka</b>	MSc student	Padma Kaul	Impact of gestational diabetes mellitus and maternal mental illness on the development of diabetes, hypertension and cardiovascular disease
11	<b>Sarah Elliott</b>	Post-doctoral fellow	Rhonda Bell	Gestational weight gain: Influence on postpartum weight retention and body composition at 3 months postpartum
12	<b>Cindy Kao</b>	Resident	Sandra Davidge	Mechanism of vascular dysfunction due to circulating factors in women with preeclampsia

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## Oral presentation #3: *Leduc Room*

09:00 - 10:30

# Pediatric and immunology

#	Name	Position	Supervisor	Abstract title
13	<b>Amrita Bhattacharjee</b>	Research associate/assistant	Samina Ali	Pre-hospital dexamethasone administration in children with croup: A medical record review
14	<b>Allison Lewis</b>	Undergraduate student	Oana Caluseriu	From bench to bedside: A novel mutation in the NF- $\kappa$ B pathway may cause immunodeficiency
15	<b>Brendon Lamarche</b>	Undergraduate student	Lori West	Assessment of neonatal tolerance to blood group A-antigen in a novel mouse model of ABO-incompatible heart transplantation
16	<b>Szu-I Wang</b>	Post-doctoral fellow	Lori West	Tracking T cell fate after antithymocyte globulin (ATG) immunotherapy in Infant heart transplant (HTx) patients
17	<b>Shahzma Merani</b>	Post-doctoral fellow	Shokrollah Elahi	A novel subset of cells modulate and suppress immune responses in newborns
18	<b>Gonzalo Garcia Guerra</b>	Associate professor		Pediatric remote ischemic pre-conditioning prior to complex cardiac surgery: The PREP pilot trial

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## Oral presentation #4: Turner Valley Room

09:00 - 10:30

# Pediatric subspecialty residents

#	Name	Position	Supervisor	Abstract title
19	<b>Mohamed Elboraee</b>	Health/ clinical fellow	Mosarrat Qureshi	The predictive value of hyperlactemia for adverse outcome in infants with moderate to severe hypoxic-ischemic encephalopathy
20	<i>*reassigned to Poster presentations, judging morning - Pediatric subspecialty residents</i>			
21	<b>Silvia Alvarez</b>	Health/ clinical fellow	Nee Khoo	Left ventricle strain rate in children demonstrates heart rate dependence and a force-frequency relationship
22	<b>Jacqueline Ogilvie</b>	Subspecialty resident	Helly Goez	Anti-NMDA receptor antibodies: A possible cause for autistic regression?
23	<b>Merlin Pinto</b>	Health/ clinical fellow	Georg Schmolzer	Cardiovascular effects of epinephrine during neonatal cardiopulmonary resuscitation in a piglet model
24	<b>Florencia Ricci</b>	Subspecialty resident	Charlene Robertson	Gastrostomy tube feeding after neonatal complex cardiac surgery identifies the need for early developmental intervention

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Poster presentations, judging morning *Ballroom*

10:30 – 11:45

#	Presenter	Supervisor	Abstract title
<b>Knowledge translation and decision making</b>			
49	Una Conradi	Ari Joffe	Publication bias in animal research studies presented at the Society for Critical Care Medicine 2008 Conference
50	Robin Featherstone	Lisa Hartling	Knowledge pyramids: An integrated knowledge translation strategy to inform clinical care
51	Michelle Foisy	Lisa Hartling	What works and what's safe in pediatric emergency procedural sedation: An overview of reviews
52	Mary Klute	Shannon Scott	Assessing parental pain information needs related to their child's surgical procedure
53	Robyn Langevin	Lawrence Richer	Technology perspectives
54	Allison Norris	Shannon Scott	Data collection issues: Experiences with researching the pediatric chronic pain population
55	Kassi Shave	Lisa Hartling	Procedural pain in children: A qualitative study of parent experiences and information needs
56	Iram Usman	Dr. Rhonda Rosychuk	An examination of spatial scan statistics for time to event data
57	Amy Zhang	Shannon Scott	Evaluating approaches to parent engagement in knowledge translation and child health research

*For full abstracts please visit our website at <http://www.wchri.org/researchDay>*



## Poster presentations, judging morning - continued

### Ballroom

10:30 - 11:45

#	Presenter	Supervisor	Abstract title
<b>Maternal and maternal-fetal health</b>			
58	Petya Koleva	Anita Kozyrskyj	Functional aspects of infant gut microbial community by maternal pre-pregnancy weight
59	Brittany Matenchuk	Margie Davenport	Physical activity, sedentary behaviour and cardiovagal baroreflex gain during pregnancy
60	Amanda Paton	Dawn Kingston	Assessment of healthcare providers' perinatal mental health education needs
61	Maira Quintanilha	Maria Mayan	Experiences of healthcare and service providers supporting pregnant and postpartum women living with poverty in rural areas in Alberta
62	Sydney Schmidt	Margie Davenport	Efferent muscle sympathetic nerve activity in normotensive pregnant women increases with gestational age
63	Kayla-Marie Smith	Vivian Huang	An online educational portal is effective in improving knowledge regarding reproduction and IBD
64	Andrew Woodman	Stephane Bourque	Consequences of maternal iron-deficiency: Fetal anemia, and hypoxia in select tissues of the conceptus
<b>Pediatric and cardiology</b>			
65	Steffany Charles	Andrew S. Mackie	Teens with congenital heart disease in transition from pediatric to adult care: Qualitative evaluation of a nurse-led intervention
66	Won Shik Choi	Lesley Mitchell	The A1298C polymorphism in the thymidylate synthase gene is a risk factor for deep vein thrombosis in pediatric cancer patients
67	Ian Robertson	Jason Dyck	Exposure of juvenile mice to doxorubicin impairs compensatory cardiac hypertrophy in adult-onset hypertension
68	Lindsay Ryerson		Two year prospective single center review of heparin anticoagulation in extracorporeal life support
69	Morgan Sosniuk	Lori West	Differentiation of B cells into carbohydrate-specific IgM-secreting cells via B cell receptor stimulation

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Poster presentations, judging morning - continued

### Ballroom

10:30 - 11:45

#	Presenter	Supervisor	Abstract title
<b>Pediatric and genetics</b>			
70	Justin Elliott	Oana Caluseriu	Antisense therapy in cell lines derived from patients with fibrodysplasia ossificans progressiva (FOP)
<b>Pediatric and immunology</b>			
71	Maram Hulbah	Gregory Tyrrell	Identification of a gene in Group B Streptococcus (GBS) involved in the surface expression of GBS-phosphoglycerate kinase
72	Christen Klinger	Joel Dacks	Phylogenetic analyses reveal novel membrane trafficking factors in apicomplexan parasites
73	Dory Sample	Hoon Sunwoo	Safety, symptoms, and lab measures in an anti-gluten IgY antibody (AGY) trial for Celiac Disease
74	Yue Ting Kero Yuen	Linda Chui	Characterization of <i>Listeria monocytogenes</i> biofilm formation
<b>Pediatric and nephrology</b>			
75	Rawad Lashhab	Emmanuelle Cordat	Role of kAE1/Claudin-4 interaction in maintaining acid/base and electrolyte homeostasis
76	AKM Shahid Ullah	Emmannuelle Cordat	Does SLC26A7 compensate the absence of kidney anion exchanger 1 in distal renal tubular acidosis?
77	Shane Wiebe	Todd Alexander	The role of NHE8 in renal proximal tubule calcium reabsorption
<b>Pediatric and neurology</b>			
78	Ashley Bahry	Jerome Yager	Long term behavioral deficits associated with intrauterine growth restriction and the effect of prophylactic broccoli sprout supplementation
79	Ashley Bahry	Jerome Yager	Effects of dietary broccoli sprout supplementation on alterations in brain connectivity of intrauterine growth restricted offspring
80	Risha Dutt	Cary Brown	Providing the best sleep bedroom environment for children with cerebral palsy
81	Elma Raissi	Lawrence Richer	Pediatric emergency department investigations for seizures and the diagnostic yield
82	Parmveer Singh	Heather McDermid	Functional studies of DNMBP sequence variants found in a cohort of patients with cranial neural tube defects

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Poster presentations, judging morning - continued

### Ballroom

10:30 - 11:45

#	Presenter	Supervisor	Abstract title
<b>Pediatric and neurology/ mental health</b>			
83	Juan Hernandez	Rhonda Rosychuk	Are there regions in Alberta with excess numbers of youth who frequently use the emergency department for mental health reasons?
84	Ashley Radomski	Amanda (Mandi) Newton	Pilot randomized controlled trial of Internet-based CBT for adolescent anxiety
<b>Pediatric and nutrition</b>			
85	Lauren Albrecht	Shannon Scott	Understanding caregivers' experiences and information needs of pediatric acute gastroenteritis to inform knowledge translation tools
86	Jillian Avis	Geoff Ball	The apple of my eye: Are parents accurate estimators of their child's weight status?
87	Sarah Bridgman	Anita Kozyrskyj	Gut microbiota metabolites: Biomarkers for early childhood overweight?
88	Samaneh Khanpour Ardestani	Sunita Vohra	Parents and clinicians' voice about probiotic therapy in prevention of pediatric antibiotic-associated diarrhea: Rationale and design
89	Erin Lewis	Catherine Field	Choline concentration and composition in breast milk is determined by maternal diet
90	Krista MacDonald	Diana Mager	Influence of adiposity and insulin resistance/hyperinsulinemia on vitamin D status in nonalcoholic fatty liver disease (NAFLD): A systematic review
91	Mon Tun	Anita Kozyrskyj	Impact of infants' exposure to hospital microbial environment on gut microbiota composition at 3 months
<b>Pediatric and respirology</b>			
92	Mandy Archibald	Shannon Scott	Arts for asthma? A critical review of the arts in childhood asthma education, research and practice
93	Annie (Sudi) Duan	Silvia Pagliardini	Probing respiratory network connectivity with viral constructs and optogenetics
94	Alexis Katzell	Gregory Funk	Inspiratory burst termination: Could M-current be the answer?
95	Jasmeen Saini	Silvia Pagliardini	Respiratory muscle recruitment in neonatal and juvenile rats across sleep states

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Poster presentations, judging morning - continued

### Ballroom

10:30 - 11:45

#	Presenter	Supervisor	Abstract title
<b>Pediatric and women's health and infection</b>			
96	Areej Alhazmi	Gregory Tyrrell	A novel GBS Immunogenic Bacterial Adhesin BibA variant that associated with Capsular Polysaccharide Type IV and invasive GBS infections in adults
<b>Pediatric and women's health respirology</b>			
97	Zaki Alsahafi	Silvia Pagliardini	Cholinergic modulation of the expiratory rhythm generating center (parafacial respiratory group) in adult urethane anesthetized rats
98	Uday Chauhan	Craig Steinback	Mechanisms of sex differences in breath-holding performance
<b>Pediatric bone and joint</b>			
99	Parvaneh Badri	Maryam Sharifzadeh-Amin	Life course factors associated with dental caries: A Systematic Review
100	Maryam Elyasi	Maryam Amin	Impact of parental sense of coherence on their children's oral health-related behaviors
<b>Pediatric subspecialty residents</b>			
101	Basmah Al Jabri	Debra Andrews	Training needs for developmental pediatrics in Saudi Arabia
102	Anne Halpin	Simon Urschel	Homografts and HLA: A challenge in pediatric heart transplantation
103	Jag Bhogal	Po-Yin Cheung	High frequency oscillation with volume guarantee has less negative impact on cardiac index compared to conventional ventilation in piglets with RDS
104	Luke Eckersley	Lisa Hornberger	Haemodynamics and left ventricular myocardial function in fetal Ebstein's anomaly / tricuspid valve dysplasia
105	Sabrina Eliason	Cara Dosman	Feasibility of paediatric resident screening curriculum on developmental rotation
106	Anne Halpin	Lori West	HLA antibody monitoring in VAD patients: How are we doing?
107	Prasad Ravi	Lisa Hornberger	Prenatal diagnosis of criss-cross heart: Defining complex anatomy and predicting neonatal outcomes
20	Lily Lin	Jennifer Conway	Right ventricular strain rate at pre-Glenn assessment may predict prognosis in children with Hypoplastic Left Heart Syndrome

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Poster presentations, judging morning - continued

### Ballroom

10:30 - 11:45

#	Presenter	Supervisor	Abstract title
<b>Women's health - cancer</b>			
108	Olena Bilyk	Lynne-Marie Postovit	Nodal contributes to cisplatin resistance in ovarian cancer cells
109	Curtis Hodge	Mark Glover	A new way to modulate the BRCA1 DNA repair pathway
110	Jiesi Zhou	YangXin Fu	Notch and TGF $\beta$ cooperatively regulate EMT in epithelial ovarian cancer cells
<b>Women's health and infection</b>			
111	Danielle Peters	Jonathan Dennis	Characterization of six novel <i>Stenotrophomonas maltophilia</i> bacteriophages for their use in clinical phage therapy

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Lunch

**11:45 - 12:30**

Ballroom - Buffet

**12:30 - 13:30**

Welcome to keynote speaker, Dr. Sandra Davidge, Director, WCHRI



## Keynote presentation: Dr. Peter Rosenbaum

### **The F-words in childhood disability: I swear this is how we should think — and act!**

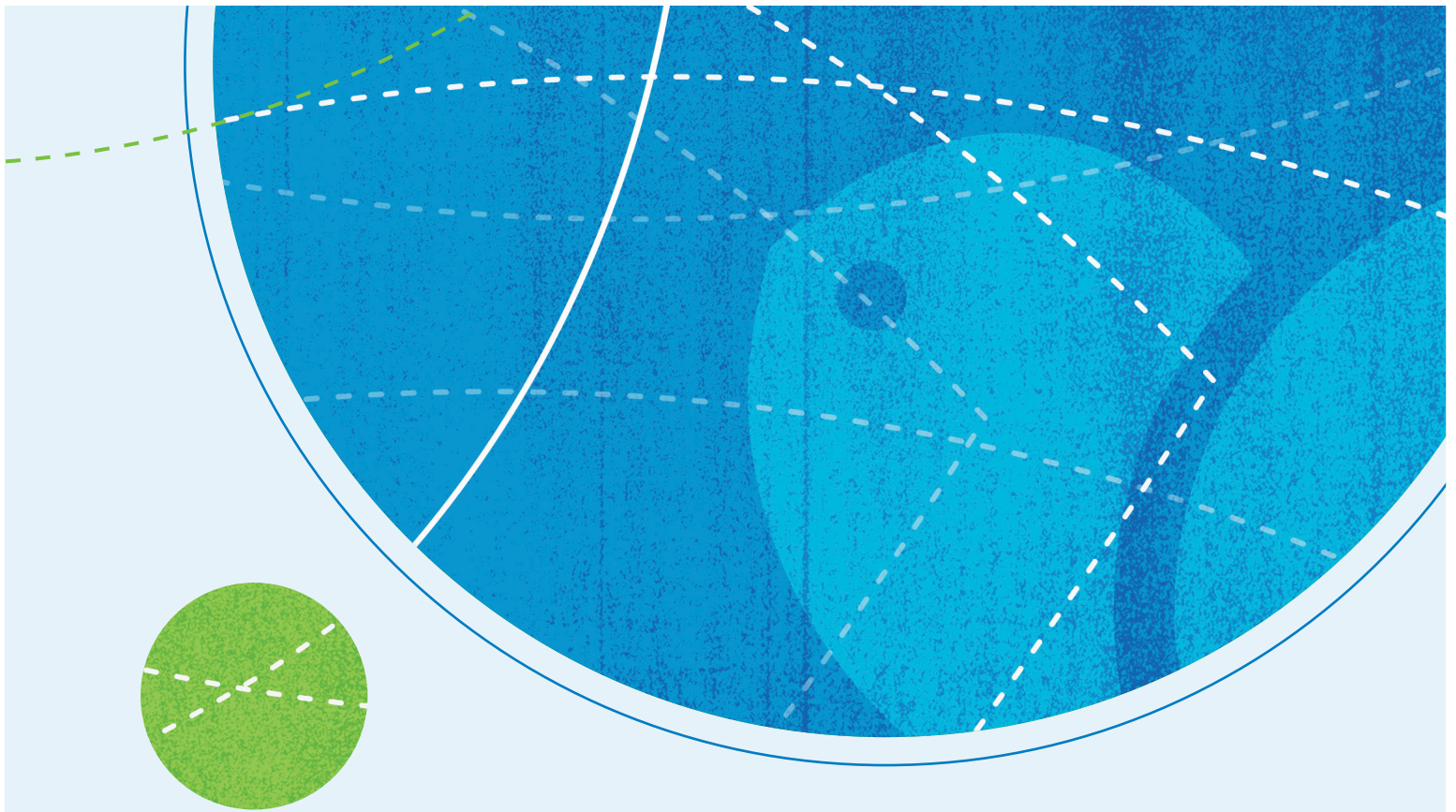
In 2012, Dr. Peter Rosenbaum and his colleague Dr. Jan Willem Gorter published a paper titled “The ‘F-words’ in childhood disability: I swear this is how we should think!” The paper was inspired by more than two decades of research at the *CanChild* Centre for Childhood Disability Research at McMaster University, now recognized world-wide for its research in childhood disability. The paper featured six ‘F-words’ that Dr. Rosenbaum and his co-author argued should be the focus in childhood disability — Function, Family, Fitness, Fun, Friends and Future.

The ‘F-words’ are based on the World Health Organization’s (WHO’s) International Classification of Functioning, Disability and Health (ICF) framework. The ICF framework shows how body structure and function, activity, participation, environmental factors and personal factors are interrelated and equally influence our health and functioning. This wholistic approach encourages us to focus on factors that are important to all children’s development — their participation, activities and environment.

The ‘F-words’ relate to six key areas of child development, all of which are equally important and can be applied in working with children with disabilities and their families.

Dr. Rosenbaum’s keynote presentation will provide a review of this research to date and will help attendees to better understand:

- how to conduct research in the field of childhood disability;
- various measures and metrics for research in childhood disability; and
- the role they can play in childhood disability research.



Dr. Peter Rosenbaum is an internationally recognized authority on childhood disability. He is a co-founder of the *CanChild* Centre and held a Canada Research Chair in Childhood Disability Research, Dissemination and Mentoring 2001-14. He is a professor in the Department of Pediatrics at McMaster University in Hamilton, Ont., and a former director of the McMaster Child Health Research Institute (2007-2012). He has been awarded more than 80 peer-reviewed research grants. He is a contributing author to more than 300 peer-reviewed journal articles and book chapters. He co-authored *Cerebral Palsy: From Diagnosis to Adult Life* (2012), and co-edited *Life Quality Outcomes of Children and Young Adults with Neurological and Developmental Conditions* (2013). With several colleagues, he is currently completing a book called *Ethics in Childhood Neurodisability: Cases, Principles and Clinical Practice*.

Dr. Rosenbaum has been an invited lecturer and keynote speaker in 25 countries. Since 2012, he has served as a UNICEF consultant on the collection of data on children with disabilities. His accomplishments have been recognized nationally and internationally. He was the first Canadian president of the Academy for Cerebral Palsy and Developmental Medicine (ACPD) (1996-8); received the Ross Award from the Canadian Pediatric Society (2000); holds an Honorary Doctor of Science, Université Laval (2005); and received the ACPD's Mentorship Award (2007) and its Lifetime Achievement Award (2014).

## Oral presentation #5: *Chairman Room*

13:45 - 15:15

# Pediatrics and genetics

#	Name	Position	Supervisor	Abstract title
25	<b>Mosarrat Qureshi</b>	Clinical assistant professor		Does hyponatremia in asphyxiated newborn infants correlate with incidence of death or disability?
26	<b>Quang Vo</b>	PhD student	Edmond Lou	Intra- and inter-reliability of the Cobb angle measurements on the plane of maximal curvature in adolescents with idiopathic scoliosis
27	<b>June Cheung</b>	Undergraduate student	Lawrence Le	Comparison of diagnostic ultrasound and direct measurement for examination of the periodontium: A systematic review
28	<b>Yusuke Echigoya</b>	Post-doctoral fellow	Toshifumi Yokota	Combined in silico and in vitro screening identifies a promising antisense drug candidate for exon 51 skipping therapy in Duchenne muscular dystrophy
29	<b>Jennifer Hocking</b>	Assistant professor		Superior coloboma: A novel disease originating from a newly discovered feature of ocular development
30	<b>Aleksander Touznik</b>	MSc student	Toshifumi Yokota	In vitro efficacy of novel phosphorodiamidate morpholino based antisense oligonucleotides for the treatment of spinal muscular atrophy

For full abstracts please visit our website at <http://www.wchri.org/researchDay>



## Oral presentation #6: *Chancellor Room*

13:45 – 15:15

# Women's health

#	Name	Position	Supervisor	Abstract title
31	<b>Charlotte Usselman</b>	Post-doctoral fellow	Craig Steinback	Hyperoxic breathing in young healthy women: Influence on sympathetic neural outflow
32	<b>Sarah Fung</b>	Resident	Leslie Sadownik	Impact of vulvar intraepithelial neoplasia on the quality of life of women
33	<b>Vrajesh Pandya</b>	PhD student	Dr. Ing Swie Goping	Bcl-2 interacting killer (BIK) – a prognostic indicator of breast cancer patient outcomes
34	<b>Indrani Dutta</b>	PhD student	Lynne Postovit	Can Gamma Delta T cells target breast cancer stem cells?
35	<b>Matthew Benesch</b>	PhD student	David Brindley	Autotaxin is an inflammatory mediator and therapeutic target in thyroid cancer
36	<b>Stephen Genuis</b>	Clinical professor		Towards a healthy beginning: Elimination of persistent toxicants from the mother's body

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Oral presentation #7: Leduc Room

13:45 - 15:15

# Knowledge translation and decision making

#	Name	Position	Supervisor	Abstract title
37	<b>Ozlem Cankaya</b>			Experiences of Albertan youth: Gender effects in ministry service use patterns
38	<b>Shannon MacDonald</b>	Post-doctoral fellow	Suzanne Tough	The uptake and determinants of privately funded Rotavirus vaccine: A bad news story for vulnerable populations
39	<b>Todd Radostits</b>	Associate professor	William Craig	Convenience or proper use: Referrals to the Stollery Pediatric Emergency Department
40	<b>Rachel Flynn</b>	PhD student	Shannon Scott	Reasons for variation in care in management of childhood nephrotic syndrome in Canada
41	<b>Tara McGrath</b>	Resident	Samina Ali	A qualitative study of the language of satisfaction in children
42	<b>Tamara Germani</b>	PhD student	Lonnie Zwaigenbaum	Stakeholder perspectives on social participation in pre-school children with autism spectrum disorder

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Oral presentation #8 : Turner Valley Room

13:45 - 15:15

### Pediatric residents

#	Name	Position	Supervisor	Abstract title
43	<b>Nicholas Avdimiretz</b>	Resident	Simon Urschel	Allergies and autoimmune disorders in children after heart transplantation
44	<b>Erin Boschee</b>	Resident	Justine Turner	Prediction of esophageal and gastric histology by endoscopic diagnosis during upper endoscopy in pediatric celiac disease
45	<b>Moses Abobo</b>	Resident	Justine Turner	Prolonged nasoenteral tube feeding in children contradicts best practice guidelines
46	<b>Daniela Migliarese Isaac</b>	Resident	Justine Turner	Anti-tissue transglutaminase normalization post diagnosis in children with celiac disease
47	<b>Jawad Alzamil</b>	Resident	Todd Alexander	Identification of the Claudin-14 Promoter and Calcium Sensing Receptor (CaSR) Responsive Elements
48	<b>Salma Bahreinian</b>	Resident	Anita Kozyrskyj	Maternal depression and development of atopic disease in children

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Poster presentations, judging afternoon *Ballroom*

15:15 – 16:45

#	Presenter	Supervisor	Abstract title
<b>Pediatric residents</b>			
112	Michelle Bischoff	Debra Andrews	Academic milestones: Medical students' knowledge of child development
113	Linda Mahgoub	Ian Adatia	Pulmonary vein stenosis of prematurity: Epidemiology and survival
114	Jillian Popel	Catherine Morgan	Neurocognitive outcomes in children with chronic kidney disease requiring dialysis and or renal transplant
<b>Cancer</b>			
115	Catherine Corriveau-Bourque	Maria Spavor	Secondary meningiomas in survivors of non-central nervous system childhood cancer
116	Powel Crosley	Mary Hitt	Combination therapy with two apoptosis inducing agents, PAC-1 and TRAIL, as potential treatment for granulosa cell tumour
117	Geetha Venkateswaran	Sujata Persad	Role of $\beta$ -catenin/Active $\beta$ -catenin in osteosarcoma progression
118	Zuoqiao Wu	Robert Ingham	The role of JunB transcription factor in the pathobiology of ALK+ ALCL
119	Ning Yang	Ing Swie Goping	Characterization of cell death induced by the cyanine dye D112: A potentially selective anti-cancer compound
<b>Knowledge translation and decision making</b>			
120	Lesley Brennan	Irena Buka	Children's Environmental Health Clinic (ChEHC): A three year summary of patient data
121	Michele Dyson (Hamm)		The prevalence and impact of cyberbullying on children and young people: A scoping review of social media studies
122	Winnona Rea	Khalid Aziz	Improving sentinel event reporting in neonatal intensive care
123	Shannon Scott		Process evaluations of knowledge translation intervention studies: A systematic review.
124	Roger Turnell		Ethiopia-Canada Project: Protecting pregnant/delivering mothers and newborns: Systems approach to strengthening skilled birth attendance and referral

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

Poster presentations, judging afternoon - continued  
*Ballroom*

15:15 - 16:45

#	Presenter	Supervisor	Abstract title
<b>Maternal and maternal-fetal health</b>			
125	Marina James	Margie Davenport	Neurovascular coupling in healthy pregnancy
126	Liane Kang	Anita Kozyrskyj	The influence of fetal sex on glucocorticoid levels in maternal and cord blood
127	Stewart R. Rowe	Sandra Davidge	Effects of placental-derived microparticles on vascular endothelial cell function
128	Rebecca Rubuliak	Margie Davenport	Physical activity, sedentary behaviour and weight gain during pregnancy
129	Floor Spaans	Sandra Davidge	Syncytiotrophoblast microparticles decrease endothelium-dependent vasodilation in rat uterine arteries
130	Nanlin Yin	David Olson	Activated chemokines at maternal-fetal interface associate with parturation
<b>Mature women's health</b>			
131	Kaley Donaldson	Sue Ross	Experience of menopause in women with inflammatory bowel diseases
132	Annick Poirier	Sue Ross	What are the clinical factors associated with attendance at a multidisciplinary perineal clinic among patients with OASIS?
133	Tasneem Siyam	Nese Yuksel	Determinants of hormone therapy uptake and decision making in surgically menopausal women
134	Humirah Sultani	Nese Yuksel	Evaluating the content and development of decision aid tools for the management of menopausal symptoms: A scoping review

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Poster presentations, judging afternoon - continued

### Ballroom

15:15 - 16:45

#	Presenter	Supervisor	Abstract title
<b>Pediatric and cardiology</b>			
135	Sabina Baghirova	Richard Schulz	Nuclear matrix metalloproteinase-2 and investigation of its potential functions in ischemic-reperfused hearts
136	Brandon Chan	Richard Schulz	Potential targets and consequences of myocardial matrix metalloproteinase-2 activation in doxorubicin cardiotoxicity
137	Arata Fukushima	Gary Lopaschuk	Acetylation control contributes to maturational alterations in energy metabolism in the newborn heart
138	Dora Gyenes	Lisa Hornberger	Altered blood flow in utero and its relationship with neonatal clinical and neurodevelopmental outcomes in children with Hypoplastic Left Heart Syndrome
139	Sunjidatul Islam	Andrew Mackie	Congenital heart disease hospitalizations in Canada: A 10-year experience
140	Rachel Joffe	Gonzalo Garcia Guerra	The reliability of invasive and noninvasive blood pressure measurements in unstable critically ill children
141	Deliwe Ngwezi	Lisa Hornberger	Industrial developmental toxicant emissions and congenital heart disease in urban and rural Alberta, Canada
142	Mohammad Refaei	Joseph Atallah	Temporal correlation of RSR' pattern on electrocardiograph to echocardiographic findings in patients with isolated Secundum Atrial Septal defects
<b>Pediatric and genetics</b>			
143	Pranidhi Baddam	Daniel Graf	Identification of phenotypic abnormalities in mice with a neural crest-specific deletion of BMP7 using microCT and morphometric analysis
144	Vanessa Carias	Rachel Wevrick	The role of MAGEL2, a protein implicated in Prader-Willi syndrome, in the regulation of E3 ubiquitin ligases
145	Christelle Dzolang	Oana Caluseriu	A novel, rare SF3B4 missense mutation, as a possible cause for Nager syndrome
146	Sara Laughton	Deryk Beal	A family history study of developmental stuttering: Preliminary analysis
147	Sonya Widen	Andrew Waskiewicz	Identification of a novel cause of ocular coloboma
148	Tishani Methsala Wijesuriya	Rachel Wevrick	Role of the Prader-Willi Syndrome protein MAGEL2 in leptin receptor function in obesity pathways in the brain

## Poster presentations, judging afternoon - continued

### Ballroom

15:15 - 16:45

#	Presenter	Supervisor	Abstract title
<b>Pediatric and immunology</b>			
149	Abeer Alzaben	Diana Mager	Ethnicity influences quality of life in youth with celiac disease on the gluten free diet
150	Ghazal Danesh	Eytan Wine	Enhanced elimination of enteric pathogens by macrophages through NLRP3 activation
<b>Pediatric and neurology</b>			
151	Lina Maria Becerra	Kim Adams	Using robots to access play for children with severe disabilities
152	Jeff Bennett	Andrea Haqq	Autism Spectrum Disorder in children with Prader-Willi Syndrome
153	Isabel Light	Carmen Rasmussen	Screening for FASD: The neurobehavioral screening tool and neuropsychological functioning
154	Antoinette Nguyen	Jerome Yager	Alterations in neuronal development and glial maturation following fetal inflammation in the neonatal brain
155	Lexa Peters	Debra Andrews	Developing skills for developmental disabilities - evaluating effectiveness of a new elective
<b>Pediatric and nutrition</b>			
156	Megan Beggs	R. Todd Alexander	Intestinal calcium absorption throughout development
157	Samah Damanhoury	Geoff Ball	How is 'Metabolically Healthy Obesity' defined in children? Preliminary findings from a scoping review
158	Stephen Hunter	Valerie Carson	How can schools impact student physical activity? A longitudinal assessment of school initiatives in the COMPASS study
159	Orysya Svystun	Hamdy El-Hakim	Swallowing dysfunction in healthy children: Characteristics and management of a consecutive cohort at a tertiary centre
<b>Pediatric and respirology</b>			
160	Kristie DeHaan	Joanna MacLean	Exploring the impact of intrauterine growth restriction on breathing in early life
161	Rhonda Rosychuk		Differences in emergency department visits for asthma: Does sex matter?
162	Yong Zhang	Gregory Funk	The secondary hypoxic depression of breathing in vitro is attenuated by ATP acting via PLC/IP3-dependent excitation of inspiratory neuron

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Poster presentations, judging afternoon - continued

### Ballroom

15:15 - 16:45

#	Presenter	Supervisor	Abstract title
<b>Pediatric bone and joint</b>			
163	Eric Parent		Is posture affected by rotation of the vertebrae in adolescent with idiopathic scoliosis? A surface topography validity study
164	Xin Wang	Neelambar Kaipatur	Methods to measure alveolar bone and lower incisor inclination using CBCT: A preliminary study
<b>Women's health - cancer</b>			
165	Schammim Ray Amith	Larry Fliegel	Regulation of Na <sup>+</sup> /H <sup>+</sup> exchange in triple-negative breast cancer metastasis
166	Mackenzie Coatham	Lynne-Marie Postovit	Linking mutations to BRG1 to aggressive dedifferentiated endometrial carcinoma
167	Jarod Li	Lynne-Marie Postovit	Estrogen induces Nodal in luminal-like breast cancer cells and Nodal reciprocally silences ER alpha expression
168	Jiahui Liu	Lynne-Marie Postovit	Ovarian cancer biomarker CA125 expression is attenuated in in vitro culture
169	Kaitlyn Lopushinsky	Lynne-Marie Postovit	Exploring the functional link between Epithelial Splicing Regulatory Protein 1 and Dystonin isoforms associated with breast cancer prognosis
170	Krista Vincent	Lynne-Marie Postovit	Expression of ESRP1 is a novel indicator of poor prognosis in breast cancer patients
171	Guihua Zhang	Lynne-Marie Postovit	The effects of Nodal on human fibroblast activation

For full abstracts please visit our website at <http://www.wchri.org/researchDay>

## Awards and wrap-up

16:45 - 17:30

Ballroom



## List of presenters

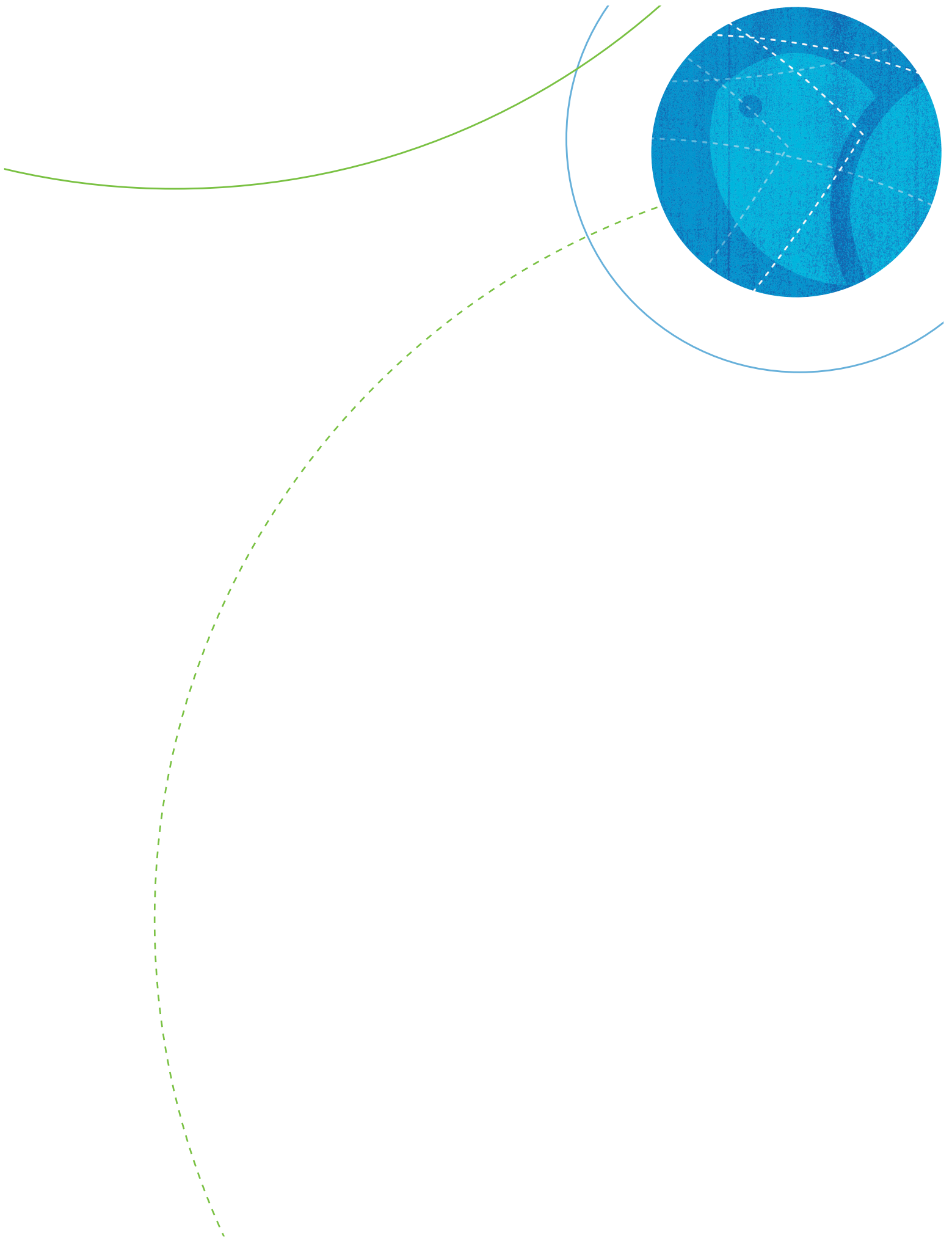
Name	#	Time	Room
Abobo, Moses	45	13:45-15:15	Turner
Al Jabri, Basmah	101	10:30-11:45	Ballroom
Albrecht, Lauren	85	10:30-11:45	Ballroom
Alhazmi, Areej	96	10:30-11:45	Ballroom
Aljunaidy, Mais	8	9:00-10:30	Chancellor
Alsahafi, Zaki	97	10:30-11:45	Ballroom
Alvarez, Silvia	21	9:00-10:30	Turner
Alzaben, Abeer	149	15:15-16:45	Ballroom
Alzamil, Jawad	47	13:45-15:15	Turner
Amith, Schammim Ray	165	15:15-16:45	Ballroom
Archibald, Mandy	92	10:30-11:45	Ballroom
Avdimiretz, Nicholas	43	13:45-15:15	Turner
Avis, Jillian	86	10:30-11:45	Ballroom
Baddam, Pranidhi	143	15:15-16:45	Ballroom
Badri, Parvaneh	99	10:30-11:45	Ballroom
Baghirova, Sabina	135	15:15-16:45	Ballroom
Bahreinian, Salma	48	13:45-15:15	Turner
Bahry, Ashley	79	10:30-11:45	Ballroom
Bahry, Ashley	78	10:30-11:45	Ballroom
Becerra, Lina Maria	151	15:15-16:45	Ballroom
Beggs, Megan	156	15:15-16:45	Ballroom
Beka, Qendresa	10	9:00-10:30	Chancellor
Benesch, Matthew	35	13:45-15:15	Chancellor
Bennett, Jeff	152	15:15-16:45	Ballroom
Bhattacharjee, Amrita	13	9:00-10:30	Leduc
Bhogal, Jag	103	10:30-11:45	Ballroom
Bilyk, Olena	108	10:30-11:45	Ballroom
Bischoff, Michelle	112	15:15-16:45	Ballroom
Boschee, Erin	44	13:45-15:15	Turner
Brennan, Lesley	120	15:15-16:45	Ballroom
Bridgman, Sarah	87	10:30-11:45	Ballroom
Cankaya, Ozlem	37	13:45-15:15	Leduc
Carias, Vanessa	144	15:15-16:45	Ballroom
Chan, Brandon	136	15:15-16:45	Ballroom
Charles, Steffany	65	10:30-11:45	Ballroom
Chauhan, Uday	98	10:30-11:45	Ballroom
Cheung, June	27	13:45-15:15	Chairman
Choi, Won Shik	66	10:30-11:45	Ballroom
Coatham, Mackenzie	166	15:15-16:45	Ballroom
Conradi, Una	49	10:30-11:45	Ballroom
Corriveau-Bourque, Catherine	115	15:15-16:45	Ballroom
Crosley, Powel	116	15:15-16:45	Ballroom
Damanhoury, Samah	157	15:15-16:45	Ballroom

Name	#	Time	Room
Danesh, Ghazal	150	15:15-16:45	Ballroom
DeHaan, Kristie	160	15:15-16:45	Ballroom
Donaldson, Kaley	131	15:15-16:45	Ballroom
Duan, Annie (Sudi)	93	10:30-11:45	Ballroom
Dutt, Risha	80	10:30-11:45	Ballroom
Dutta, Indrani	34	13:45-15:15	Chancellor
Dyson (Hamm), Michele	121	15:15-16:45	Ballroom
Dzolng, Christelle	145	15:15-16:45	Ballroom
Echigoya, Yusuke	28	13:45-15:15	Chairman
Eckersley, Luke	104	10:30-11:45	Ballroom
Elborae, Mohamed	19	9:00-10:30	Turner
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Elliott, Justin	70	10:30-11:45	Ballroom
Elliott, Sarah	11	9:00-10:30	Chancellor
Elyasi, Maryam	100	10:30-11:45	Ballroom
Featherstone, Robin	50	10:30-11:45	Ballroom
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Foisy, Michelle	51	10:30-11:45	Ballroom
Fukushima, Arata	137	15:15-16:45	Ballroom
Fung, Sarah	32	13:45-15:15	Chancellor
Garcia Guerra, Gonzalo	18	9:00-10:30	Leduc
Genuis, Stephen	36	13:45-15:15	Chancellor
Germani, Tamara	42	13:45-15:15	Leduc
Gyenes, Dora	138	15:15-16:45	Ballroom
Halpin, Anne	102	10:30-11:45	Ballroom
Halpin, Anne	106	10:30-11:45	Ballroom
Hernandez, Juan	83	10:30-11:45	Ballroom
Hocking, Jennifer	29	13:45-15:15	Chairman
Hodge, Curtis	109	10:30-11:45	Ballroom
Hulbah, Maram	71	10:30-11:45	Ballroom
Hunter, Stephen	158	15:15-16:45	Ballroom
Islam, Sunjidatul	139	15:15-16:45	Ballroom
James, Marina	125	15:15-16:45	Ballroom
Joffe, Rachel	140	15:15-16:45	Ballroom
Kang, Liane	126	15:15-16:45	Ballroom
Kao, Cindy	12	9:00-10:30	Chancellor
Katzell, Alexis	94	10:30-11:45	Ballroom
Khanpour Ardestani, Samaneh	88	10:30-11:45	Ballroom
Klinger, Christen	72	10:30-11:45	Ballroom
Klute, Mary	52	10:30-11:45	Ballroom
Koleva, Petya	58	10:30-11:45	Ballroom
Lamarche, Brendon	15	9:00-10:30	Leduc
Langevin, Robyn	53	10:30-11:45	Ballroom
Lashhab, Rawad	75	10:30-11:45	Ballroom
Loughton, Sara	146	15:15-16:45	Ballroom

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Lee, Sarah	2	9:00-10:30	Chairman
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Li, Jarod	167	15:15-16:45	Ballroom
Light, Isabel	153	15:15-16:45	Ballroom
Lim, David	3	9:00-10:30	Chairman
Lin, Lily	20	10:30-11:45	Ballroom
Liu, Jiahui	168	15:15-16:45	Ballroom
Lopushinsky, Kaitlyn	169	15:15-16:45	Ballroom
MacDonald, Krista	90	10:30-11:45	Ballroom
MacDonald, Shannon	38	13:45-15:15	Leduc
Mahgoub, Linda	113	15:15-16:45	Ballroom
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Migliarese Isaac, Daniela	46	13:45-15:15	Turner
Nguyen, Antoinette	154	15:15-16:45	Ballroom
Ngwezi, Deliwe	141	15:15-16:45	Ballroom
Norris, Allison	54	10:30-11:45	Ballroom
Ogilvie, Jacqueline	22	9:00-10:30	Turner
Pandya, Vrajesh	33	13:45-15:15	Chancellor
Parent, Eric	163	15:15-16:45	Ballroom
Paton, Amanda	60	10:30-11:45	Ballroom
Pereira, Leticia	6	9:00-10:30	Chairman
Perez, Arnaldo	4	9:00-10:30	Chairman
Peters, Danielle	111	10:30-11:45	Ballroom
Peters, Lexa	155	15:15-16:45	Ballroom
Pinto, Merlin	23	9:00-10:30	Turner
Poirier, Annick	132	15:15-16:45	Ballroom
Popel, Jillian	114	15:15-16:45	Ballroom
Quintanilha, Maira	61	10:30-11:45	Ballroom
Qureshi, Mosarrat	25	13:45-15:15	Chairman
Radomski, Ashley	84	10:30-11:45	Ballroom
Radostits, Todd	39	13:45-15:15	Leduc
Ravi, Prasad	107	10:30-11:45	Ballroom
Rea, Winnona	122	15:15-16:45	Ballroom
Refaei, Mohammad	142	15:15-16:45	Ballroom
Ricci, M. Florencia	24	9:00-10:30	Turner
Richard, Caroline	1	9:00-10:30	Chairman
Raissi, Elma	81	10:30-11:45	Ballroom
Robertson, Ian	67	10:30-11:45	Ballroom
Rosychuk, Rhonda	161	15:15-16:45	Ballroom
Rowe, Stewart R.	127	15:15-16:45	Ballroom

Name	#	Time	Room
Rubuliak, Rebecca	128	15:15-16:45	Ballroom
Ryerson, Lindsay	68	10:30-11:45	Ballroom
Saini, Jasmeen	95	10:30-11:45	Ballroom
Sample, Dory	73	10:30-11:45	Ballroom
Schmidt, Sydney	62	10:30-11:45	Ballroom
Scott, Shannon	123	15:15-16:45	Ballroom
Shave, Kassi	55	10:30-11:45	Ballroom
Singh, Parmveer	82	10:30-11:45	Ballroom
Siyam, Tasneem	133	15:15-16:45	Ballroom
Smith, Kayla-Marie	63	10:30-11:45	Ballroom
Sosniuk, Morgan	69	10:30-11:45	Ballroom
Spaans, Floor	129	15:15-16:45	Ballroom
Sultani, Humirah	134	15:15-16:45	Ballroom
Svystun, Orysyia	159	15:15-16:45	Ballroom
Toosi, Amy	9	9:00-10:30	Chancellor
Touznik, Aleksander	30	13:45-15:15	Chairman
Tun, Mon	91	10:30-11:45	Ballroom
Turnell, Roger	124	15:15-16:45	Ballroom
Ullah, AKM Shahid	76	10:30-11:45	Ballroom
Usman, Iram	56	10:30-11:45	Ballroom
Usselman, Charlotte	31	13:45-15:15	Chancellor
Venkateswaran, Geetha	117	15:15-16:45	Ballroom
Verstraeten, Barbara S.E.	7	9:00-10:30	Chancellor
Vincent, Krista	170	15:15-16:45	Ballroom
Vo, Quang	26	13:45-15:15	Chairman
Wang, Szu-l	16	9:00-10:30	Leduc
Wang, Xin	164	15:15-16:45	Ballroom
Widen, Sonya	147	15:15-16:45	Ballroom
Wiebe, Shane	77	10:30-11:45	Ballroom
Wijesuriya, Tishani Methsala	148	15:15-16:45	Ballroom
Woodman, Andrew	64	10:30-11:45	Ballroom
Wu, Zuoqiao	118	15:15-16:45	Ballroom
Yang, Ning	119	15:15-16:45	Ballroom
Yin, Nanlin	130	15:15-16:45	Ballroom
Yuen, Yue Ting Kero	74	10:30-11:45	Ballroom
Zaidi, Deenaz	5	9:00-10:30	Chairman
Zhang, Amy	57	10:30-11:45	Ballroom
Zhang, Guihua	171	15:15-16:45	Ballroom
Zhang, Yong	162	15:15-16:45	Ballroom
Zhou, Jiesi	110	10:30-11:45	Ballroom





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