Where Canada's Experts in Clinical Microbiology and Infectious Diseases Meet
Point de rencontre des experts canadiens en microbiologie médicale et infectiologie

Vancouver 2018

AMMI Canada – CACMID Annual Conference 2018 Conférence annuelle
Dates: May 2-5 / 2-5 mai • Location: Sheraton Vancouver Wall Centre, Vancouver, BC

FINAL PROGRAM
PROGRAMME FINAL
Welcome

On behalf of the Association of Medical Microbiology and Infectious Disease Canada and the Canadian Association for Clinical Microbiology and Infectious Diseases we would like to welcome you to Vancouver, for our 13th annual joint meeting on the prevention, diagnosis, and treatment of infectious diseases. We are returning to the west coast for what we hope will be an opportunity to share our projects, learn new information, and form new collaborations with our colleagues throughout the country. We also graciously acknowledge that the land on which we gather is the unceded territory of the Coast Salish peoples, including the territories of the xʷməθkwəy̓əm (Musqueam), Skwxwú7mesh (Squamish), Stó:lo and Səl̓ílwətaʔ/Selilwitulh (Tsleil-Waututh) Nations.

The Central and Scientific Planning Committees have put in long hours to produce an exceptional program for attendees. As anticipated, there will be a variety of poster and oral presentations of research done by our students, residents, fellows, and colleagues, with awards for the best abstracts presented at the conference. The state of the art clinical lectures will deal with medical-legal pitfalls in infectious disease and medical microbiology, point-of-care microbiology, and therapeutic drug monitoring. The plenaries each day will focus on Indigenous health and infectious diseases, clinical controversies in infectious diseases and diagnostic microbiology, as well as hot topics in infection control, diagnostic microbiology, and both adult and pediatric infectious diseases. The Scientific Planning Committee has also co-developed integrated symposia for delegates to attend and the special lecture will focus on stopping probable predatory journals.

There are numerous association, committee, and other group meetings during the conference. The CCM will host a workshop focusing on emerging zoonotic infection in Canada and the Trainees’ Day will provide an insightful and informative afternoon for residents and junior staff. An open lunch session will be held on Saturday with highlights from the 2018 European Congress of Clinical Microbiology and Infectious Diseases. We also hope you can participate in the fourth annual Canadian Foundation for Infectious Diseases Bug Run on Saturday morning.

We would like to acknowledge the generous and continued support from our industry partners, sponsors, and exhibitors, which has allowed us to preserve our high-quality meeting. We encourage you to walk through the exhibit hall, expand your network, and see what’s new and exciting.

Thursday evening’s Meet and Greet Reception will also be hosted in the exhibit hall. As a cocktail reception, this will be an opportunity to reconnect with colleagues and friends - while also enjoying the atmosphere and hors d’oeuvres before dinner.

AMMI Canada and CACMID are proud of the ongoing collaboration leading to this high-quality annual meeting. On behalf of the Central and Scientific Planning Committees, we look forward to seeing you in Vancouver and providing you with not only an educational event, but also opportunities for you to have fun, network, and socialize with your colleagues.

Caroline Quach
President, AMMI Canada

Jessica Minion
President, CACMID

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We’re Going Mobile! Get the conference on the go!

Head over to http://bit.ly/AMMI-CACMID-app on an iPhone, iPad or Android device (not a desktop or laptop) or scan the QR code. You will be taken to your device’s app store to download the app. Please note that the URL is case sensitive.

The mobile app provides access to conference information, including schedules, floor plans, abstracts, and much more – all at your fingertips.

* BlackBerry not supported
Bienvenue

Au nom de l’Association pour la microbiologie médicale et l’infectiologie Canada et de l’Association canadienne de microbiologie clinique et des maladies infectieuses, nous vous souhaitons la bienvenue à Vancouver, pour la 13ème conférence annuelle conjointe sur la prévention, le diagnostic et le traitement des maladies infectieuses. Nous nous retrouvons sur la côte Ouest, à l’occasion de ce qui sera, nous l’espérons, une occasion de partager nos projets, d’apprendre, et de former de nouvelles collaborations avec des collègues venus de partout au pays. Nous reconnaissons que les terres sur lesquelles nous nous retrouvons sont un territoire non-cédé qui appartient au peuple Salish de la côte, et qui comprend les territoires des peuples xʷməθkwəy̓əm (Musqueam), Skwxwú7mesh (Squamish), Stóːlo et ílwətaʔ/Selilwitulh (Tsleil-Waututh).

Les comités de planification générale et scientifique ont consacré de longues heures à la préparation d’un programme exceptionnel pour les participants. Tel que prévu, il y aura une multitude de présentations par affiche et de présentations orales portant sur les recherches effectuées par nos étudiants, nos résidents, nos boursiers et nos collègues. Une remise de prix pour les meilleurs résumés présentés à la conférence aura également lieu. Les plénières aborderont les écueils médicaux et juridiques en microbiologie-infectiologie, les analyses de biologie délocalisées en microbiologie, et les dosages thérapeutiques. Les séances plénières quotidiennes seront axées sur la santé autochtone et les maladies infectieuses, les controverses cliniques en infectiologie et en microbiologie diagnostique, ainsi que sur les sujets d’actualité en matière de prévention des infections, de microbiologie diagnostique, et de maladies infectieuses chez les adultes et les enfants. Le comité de planification scientifique a également participé à la mise sur pied d’un symposium pour les délégués, et la conférence spéciale portera sur les journaux probablement prédateurs - qu’y faire?

De nombreuses réunions d’associations, de comités et d’autres groupes se dérouleront durant la conférence. Le Collège canadien des microbiologistes tiendra un atelier axé sur les zoonoses émergentes au Canada, et la Journée des stagiaires comprendra un après-midi instructif et enrichissant pour les résidents et le personnel junior. Une séance-dîner ouverte aura lieu samedi et comprendra les faits saillants du Congrès européen sur la microbiologie clinique et les maladies infectieuses. Nous espérons que vous pourrez aussi participer, samedi matin, à la quatrième course de la Fondation pour les maladies infectieuses.

Nous aimions remercier le soutien généreux et continu de nos partenaires dans le secteur, de nos commanditaires et de nos exposants, qui nous a permis d’assurer la qualité de notre conférence. Nous vous encourageons à visiter le salon des exposants, à développer votre réseau et à découvrir des nouveautés stimulantes.

La réception de bienvenue, qui aura lieu jeudi soir, se tiendra également au salon des exposants. Ce cocktail dinatoire sera l’occasion de se retrouver entre collègues et amis – tout en profitant de l’atmosphère agréable et des hors-d’œuvre qui précéderont le souper.

L’AMMI Canada et la CACMID sont fiers de cette collaboration continue et de la conférence annuelle de haute qualité qui en est issue. Au nom des comités de planification générale et scientifique, nous sommes espérons vous retrouver à Vancouver pour vous offrir non seulement un événement éducatif, mais une occasion de vous amuser, de réseauter et de socialiser avec vos collègues.

Caroline Quach  Jessica Minion
Présidente, AMMI Canada Présidente, CACMID

Meet and Greet Reception

Date: Thursday, May 3
Time: 17:15 – 19:00
Room: Grand Ballroom (Exhibit Hall)

Whether you would like to share your experiences of the conference so far, discuss the day’s biggest debates or simply enjoy a drink and hors d’oeuvres before dinner, the meet and greet reception is the perfect place to make new acquaintances and catch up with old friends.

YOU ARE INVITED TO ATTEND THE 2018 ANNUAL CONFERENCE MEET AND GREET RECEPTION.

Join the conference planning committees, speakers, sponsors, exhibitors, and fellow delegates in a relaxed and informal atmosphere, while enjoying light refreshments during this cocktail reception.
Objectives

The AMMI Canada – CACMID Annual Conference provides an interactive venue where experts in the fields of diagnostic microbiology, antimicrobial stewardship, infectious diseases, infection prevention and control, and public health meet. The conference attracts attendees from across Canada and internationally. As in previous years, the 2018 conference will provide updates on a variety of topics to a diverse audience of clinicians, microbiologists, laboratory technologists, public health professionals, infection prevention and control practitioners, students and residents.

In addition to the pre-meeting workshops, the program will offer plenary sessions, state of the art clinical lectures, a special lecture, integrated symposia, short oral presentations, poster presentations, workshops and interactive clinical vignettes. The Incubator will be on hiatus in 2018, but will return to the 2019 meeting. The 2018 meeting will be a chance for attendees to showcase their research as well as get up to speed with the latest in the areas of microbiology, adult and paediatric infectious diseases and related subjects. Dynamic expert speakers will be invited from across Canada and internationally to ensure another exciting meeting.

In addition to the scientific component, the meeting will provide ample opportunity for attendees to network, exchange ideas, and reconnect with colleagues.

The 2018 meeting will address topics including:

- Indigenous Health and Infectious Diseases
- Medical-legal Pitfalls in Infectious Diseases and Medical Microbiology: Tips to Help Clinicians and Patients Stay Out of Trouble
- Clinical Controversies in Infectious Diseases and Diagnostic Microbiology
- Point-of-Care (POC) Microbiology — Ready or Not, Here it Comes
- Therapeutic Drug Monitoring
- What’s Hot in Adult and Paediatric Infectious Diseases, Infection Control and Diagnostic Microbiology?

And a whole lot more!

Collaborating Societies
Welcome to Vancouver

May 2, 2018

On behalf of Tourism Vancouver and our community, we would like to extend a warm West Coast welcome to all delegates attending the AMMI Canada - CACMID Annual Conference to be held in Vancouver May 3-5, 2018.

Vancouver is extremely proud to be the host city for this prestigious conference. We hope that while attending the conference, you are able to take a moment or two to enjoy what Vancouver has to offer. The Vancouver area is surrounded by some of the most stunning natural beauty in the world. Mountains. Ocean. Rainforest. Parks. Beaches. This is a city like no other! With endless options for cuisine, activities, sights and attractions, Vancouver is a city to explore and you won’t want to miss a thing. It doesn’t matter what time of day or what time of year, whether you want to be indoors or out, active or a spectator. Vancouver has it all and it is just waiting for you!

Enjoy your conference and thank you for meeting in BC.

Sincerely,
Ty Speer
President & CEO

Accreditation

Maximum credits possible: 30.25 hours

A. For specialists certified with the Royal College of Physicians and Surgeons of Canada (RCPSC): This educational event is approved as an Accredited Learning Activity, (Section 1) as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada.

MAINPORT – Transfer of Hours

The Royal College of Physicians and Surgeons of Canada allows for attendance data of Section 1, Group Learning activities to be transferred directly into participants’ MAINPORT Transfer of Hours.

Please indicate your RCPSC ID Number when registering.

B. For specialists certified with the American Medical Association (AMA):

Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to AMA PRA Category 1 Credits™. Information on the process to convert Royal College MOC credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Please indicate your AMA ID Number when registering.

C. For Fellows and Specialists of the Canadian College of Microbiologists and Diplomats of the American Board of Medical Microbiology: The Canada College of Microbiologists (CCM) accredits the AMMI Canada – CACMID Annual Conference for CE credits. Certificates of continuing education activity are available through the CCM for documentation of attendance and maintenance of certification. A one-hour educational activity is equivalent to one CE credit. Program evaluation forms and record of CE activity can be obtained and returned, once completed, at the conference registration desk or by email to the FCCM co-chair (hadam@dsmanitoba.ca) following the conference.
AMMI Canada Council

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President

Todd Hatchette (HALIFAX, NS)
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Program Planning Committee Chair

Are You a Member?

TO JOIN AMMI CANADA
PLEASE CONTACT:

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Secretary, AMMI Canada
c/o AMMI Canada Secretariat
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Toll-free: 1 (866) 467-1215
Tel.: (613) 260-3233 ext. 103
Fax: (613) 260-3235
membership@ammi.ca

For more information on AMMI Canada visit:
www.ammi.ca

TO JOIN CACMID
PLEASE CONTACT:

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Secretary Treasurer, CACMID
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Winnipeg, MB R3E 3R2
Fax: (204) 78-2097
matthew.gilmour@cacmid.ca

For more information on CACMID visit: www.cacmid.ca

Central Planning Committee (CPC)
Comité de Planification

Co-Chairs
Jessica Minion
Caroline Quach

Scientific Planning Committee
Co-Chairs
Isabelle Chiu
Christine Turenne

Co-Treasurers
Matthew W. Gilmour
Andrew Simor

Sponsorship Committee Co-Chairs
Jeff Fuller
Shariq Haider

Abstracts
Paul N. Levett, Chair
Christopher Lowe, Co-Chair

Committee Members
Carmen L. Charlton
Daniel B. Gregson
Todd Hatchette
Scientific Planning Committee (SPC)
Comité Scientifique

| Sponsorship Committee |
| Comité de Parrainage |

| Internet Café |
| Thursday, May 3 to Saturday, May 5, Room: Junior Ballroom Foyer |
Educational Grants

AMMI CANADA
For Members-in-Training currently enrolled in Infectious Disease or Medical Microbiology training programs only

Eligibility
The applicant must currently be enrolled in an Infectious Disease or Medical Microbiology training program AND be an AMMI Canada Member-in-Training in good standing. To be eligible, the applicant must register for the AMMI Canada – CACMID Annual Conference 2018 and pay the full student conference registration fee. One-day registrants are not eligible. New AMMI Canada membership applications are only eligible if approved or in progress (application submitted) prior to the commencement of the conference on May 2, 2018. Each applicant is eligible for only one grant per annual conference.

Application
An education grant application form will be available at the registration desk during the conference or can be downloaded from the AMMI Canada website – annual conference section (www.ammi.ca). This form can be completed during the conference and handed in at the registration desk, or be completed after the conference and sent to membership@ammi.ca or faxed to 613-260-3235. All forms must be received by the AMMI Canada secretariat no later than Monday, May 28, 2018.

CACMID
For Technical Staff and Clinical Microbiology Fellows

Eligibility
Applicants must be microbiology laboratory technologists or technicians, or clinical microbiology fellows registered in a Canadian training program, and all must be active members of CACMID. Each applicant is eligible for only one grant per annual conference.

Application
An education grant application form will be available at the registration desk during the conference or can be downloaded from the CACMID website (www.cacmid.ca). This form can be completed during the conference and handed in at the registration desk, or be completed after the conference and mailed to the CACMID Secretary Treasurer (www.cacmid.ca/contact-us) no later than Monday, May 28, 2018.

N.B: Members-in-Training attending from the city of Vancouver or the Lower Mainland are ineligible for grants.

AMMI CANADA
• $250 for Members-in-Training attending from British Columbia and Washington State
• $500 for Members-in-Training attending from Alberta and Saskatchewan
• $750 for Members-in-Training attending from Manitoba, Ontario, Quebec, New Brunswick, PEI, Nova Scotia, Newfoundland and Labrador, Yukon, NWT, Nunavut, USA (all other states), and International

N.B: Clinical microbiology fellows enrolled in a Canadian training program may submit itemized expenses with receipts to a maximum of $1,000.

CACMID
• $250 for Technical staff attending from British Columbia
• $500 for Technical staff attending from Alberta and Saskatchewan
• $750 for Technical staff attending from Manitoba, Ontario, and Quebec
• $1,000 for Technical staff attending from New Brunswick, PEI, Nova Scotia, Newfoundland and Labrador, Yukon, NWT, and Nunavut

N.B: Clinical microbiology fellows enrolled in a Canadian training program may submit itemized expenses with receipts to a maximum of $1,000.
General Information

Conference Evaluations
The conference uses an online evaluation system.
Conference Attendees: Please click on the links below to access all of the 2018 program and conference evaluations.
- **Wednesday, May 2 – CCM Workshop**
- **Wednesday, May 2 – Trainees’ Day**
- **Thursday, May 3**
- **Friday, May 4**
- **Saturday, May 5**
- **2018 Conference Evaluation**

All evaluations will be made available online on the event’s mobile app, the AMMI Canada website, and the CACMID website.
The program evaluations by day will not be live until the morning of the specified date. Therefore, you cannot complete Friday’s evaluation on Thursday, as the sessions have not yet taken place.

Abstracts
There will be NO printed version of the abstracts. All abstracts can be found online in the conference sections of the AMMI Canada (www.ammi.ca) or CACMID (www.cacmid.ca) websites. They will also be published as a supplement in the Journal of the Association of Medical Microbiology and Infectious Disease Canada (JAMMI).

Disclaimer
The Central Planning and Scientific Planning Committees will make every effort to present the program as published and printed. However, the Central Planning and Scientific Planning Committees, AMMI Canada, CACMID or their agents reserve the right to alter or cancel, without prior notice, any of the arrangements, timetables, plans or other items relating directly or indirectly to the annual conference, for any cause beyond their reasonable control. The above-mentioned are not liable for any loss or inconvenience caused as a result of such alteration. In the event of cancellation of the annual conference, all pre-paid fees will be refunded, however the Central Planning and Scientific Planning Committees, AMMI Canada, CACMID or their agents are not liable for any loss or inconvenience caused as a result of such cancellation, and delegates are therefore advised to take out their own travel insurance and extend their policy for personal possessions as the annual conference does not cover individuals against cancellations of bookings or theft or damage of belongings.

Handouts
Handouts will NOT be available at the conference. Following conference, presentations approved by speakers for posting will be uploaded to both the AMMI Canada (www.ammi.ca) and CACMID (www.cacmid.ca) websites.

Lost and Found
Please go to the Registration Desk for lost or found items.

Registration Desk
**Room:** Junior Ballroom Foyer
- **Wednesday, May 2:** 12:00-18:00
- **Thursday, May 3:** 07:00-17:30
- **Friday, May 4:** 07:00-17:00
- **Saturday, May 5:** 07:00-17:00

Speaker Ready Room
**Room:** Blue Whale
- **Wednesday, May 2:** 09:00-18:00
- **Thursday, May 3:** 07:00-17:30
- **Friday, May 4:** 07:00-17:00
- **Saturday, May 5:** 07:00-12:00

Notice
Satellite symposia, receptions, and meals provided by non-sponsoring industry representatives surrounding or during the conference that are not in the official program are not sanctioned or approved by the annual conference, AMMI Canada, or CACMID.

Conférence annuelle
Hotel Information

Located in the heart of Vancouver, you will never feel more at home than at the Sheraton Vancouver Wall Centre. Step outside the doors and into the celebrated sights of the city. Stroll leisurely through the boutiques of Robson Street and Yaletown, take a Sea Wall Walking Tour with friends, and create memories at Stanley Park and the Vancouver Art Gallery, all just blocks away.

Slow down and take in the views of the skyline and the Pacific Ocean from your room. Jump into the heated swimming pool, ease into the whirlpool to get refreshed or get re-energized at the health club. A warm welcome awaits you at the Sheraton Vancouver Wall Centre.

Sheraton Vancouver Wall Centre
1088 Burrard Street
Vancouver, BC V6Z 2R9
Hotel Direct: (604) 331-1000
Reservations Toll Free: (888) 627-7058
Check in: 15:00
Check out: 12:00

Parking
All listed prices include tax (27.05% for Transit Levy & GST). Prices may be subject to change without notice.

Regular rate, after 08:00
$5.00 on the first hour; $2.00 each additional half hour (max of $41.00; no in & out privilege)

Early bird rate
$14.00 / day (no in & out privilege)
Must drive in between 06:00 to 08:00 and must leave before 18:00

Evening rate
$10.00 from 18:00 to midnight (no in & out privilege)

Booked Hotel Guest – self serve
$38.12 / night (with in & out privilege)

Public Overnight (24hr Max)
$45.00 overnight (no in & out privilege)

Vancouver
Nestled between the Pacific Ocean and the Coast Mountain Range, Vancouver is truly spectacular by nature. A unique geographical location has earned Vancouver the reputation as a playground for all ages. From the 1000-acre lush jewel known as Stanley Park to the chic and fashionable Robson Street, Vancouver is a city of unparalleled beauty. Its vibrant, pedestrian-friendly streets are filled with individuals of varied ethnic backgrounds and walks of life—people-watchers, shoppers, celebrities, business people, university students and, of course, visitors. This city enjoys the best of all worlds—four distinct seasons and showcases snow-capped mountains, ocean-side beaches, outstanding hotels and restaurants, one-of-a-kind entertainment, cleanliness and safety. With its diverse neighborhoods, convenient locale and natural beauty, it’s no surprise Vancouverites love their city and we are sure you will too.

We invite you to experience Vancouver!

CLICK HERE to find out what Vancouver holds in store for you.

Tourism Vancouver Concierge Service

Room: Junior Ballroom Foyer

Wednesday, May 2: 12:00-15:00
Thursday, May 3: 12:15-15:00
Friday, May 4: 11:45-14:15
Saturday, May 5: 12:15-13:45

Tourism Vancouver will provide onsite concierge services for delegates. Well trained and knowledgeable staff will help you enjoy the perfect conference experience in Vancouver and surrounding areas.

Services Include:
- Helping you find a perfect restaurant
- Helping you find information on a tourist attraction
- Providing maps and guides
- Outlining great shopping
CCM Workshop

Emerging Zoonotic Infections in Canada: What is the Scope of the Problem and Are We Prepared to Respond?

Date: Wednesday, May 2
Time: 07:30 – 12:00
Breakfast Provided
Location: Sheraton Vancouver Wall Centre
Room: Junior Ballroom CD
Cost: $80 plus 5% tax

The workshop will investigate emerging zoonotic infections including mosquito-, tick- and rodent-associated infections in Canada.

07:30–08:00
Breakfast & Registration

08:00–09:00
Emerging Mosquito-borne Viruses of Public Health Concern / Impact: At Home and Abroad
Speaker: Michael Drebot, PhD
National Microbiology Laboratory, PHAC, Winnipeg, MB

09:00–10:00
Rodent-borne Zoonotic Infections in Canada with Special Emphasis on Outbreaks Associated with the Pet Trade
Speaker: L. Robbin Lindsay, PhD
National Microbiology Laboratory, PHAC, Winnipeg, MB

10:00–11:00
Tick-borne Diseases in Canada: Current Status, Issues and Challenges
Speaker: Muhammad G. Morshed, PhD
BC Centre for Disease Control, Vancouver, BC

11:00–12:00
Group Discussion and Activities
(with interaction from audience members)
Speaker: Jason J. LeBlanc, PhD
Nova Scotia Health Authority (NSHA), Halifax, NS

Information on the requirements for membership in the Canadian College of Microbiologists is available at www.ccm.ca.

Workshops

MRSA Bloodstream Infection: The Bug Stops Here!
Date: Thursday, May 3
Time: 07:15–08:45
Room: Junior Ballroom CD
This workshop was co-developed with Sunovion Pharmaceuticals Canada and was planned to achieve scientific integrity, objectivity and balance.

Contemporary Strategies in the Management of Invasive Aspergillosis in Hematologic Malignancy Patients
Date: Friday, May 4
Time: 07:00–08:45
Room: Junior Ballroom CD
This workshop was co-developed with Merck Canada Inc. and was planned to achieve scientific integrity, objectivity and balance.

Targeted, Multiplex or Pan-Diagnostic Molecular Respiratory Testing: How does Automation, Technology and Workflow Impact Care?
Date: Saturday, May 5
Time: 07:15–08:45
Room: Junior Ballroom CD
This workshop was co-developed with Hologic Canada Limited and was planned to achieve scientific integrity, objectivity and balance.

Integrated Symposium

MDR Gram-Negative Infections in the Critically Ill Patient: Epidemiology and Management Update
Date: Friday, May 4
Time: 12:00–14:00
Room: Junior Ballroom CD
This integrated symposium was co-developed with Merck Canada Inc. and was planned to achieve scientific integrity, objectivity and balance.
Trainees’ Day

Date: Wednesday, May 2
Time: 12:30 – 17:00
Location: Sheraton Vancouver Wall Centre, Junior Ballroom CD
Cost: Regular rate – $100 plus 5% tax
Trainee Member rate – no charge
(for AMMI Canada Members-in-Training and CACMID Student Members training in clinical microbiology)

Trainees’ Day is an afternoon of interactive sessions for trainees in adult and paediatric infectious disease and clinical and medical microbiology, held at the AMMI Canada – CACMID Annual Conference 2018. Sessions provide a chance to hear from experts in the field about topics outside of the conventional medical curriculum, with a focus on professional development and employment options. It is also a great opportunity to meet peers and future colleagues from around the country.

The cost is $100 or free of charge for AMMI Canada Members-in-Training and CACMID Student Members training in clinical microbiology. Membership status must be confirmed or in progress (application submitted) at the time of registration. For planning purposes, we ask that you please register only if you are able to attend, and to notify the conference secretariat should your plans change.

We look forward to seeing you in Vancouver, BC!

12:30 – 13:00
Lunch & Registration

13:00 – 14:00
Why I Started Doing Research during Residency
Speaker: Nelson Lee (EDMONTON, AB)

14:00 – 15:15
The Canadian Job Landscape & How to Be a Part of It
(Concurrent Sessions by Specialization)
A Practical Approach to Employment for the Adult ID Fellow
Speakers: Justin Chen (EDMONTON, AB)
Theodore Steiner (VANCOUVER, BC)
Optimism Balanced with Realism – Perspectives and Advice for Approaching the Paediatric ID Job Landscape for Canadian Graduates
Speakers: Manish Sadarangani (VANCOUVER, BC)
Anupma Wadhwa (TORONTO, ON)

Lifehacker: Steps to Finding the Medical Microbiology Position that is Just Right
Speakers: Marthe Charles (VANCOUVER, BC)
Romina Reyes (SURREY, BC)

Putting Your Best Foot Forward: Seeking Employment as a Clinical Microbiologist in Canada
Speakers: Heather Adam (WINNIPEG, MB)
Lee Goneau (TORONTO, ON)

15:15 – 15:30
Break

15:30 – 17:00
Identifying and Obtaining Positive Mentorship: A Two-Way Street
Speakers: Allison Mah (VANCOUVER, BC)
Stephanie Smith (EDMONTON, AB)

The CCM Workshop and Trainees’ Day are the perfect complements to the AMMI Canada – CACMID Annual Conference. Both are optional and open to everyone interested—even if they are not attending the conference.

To register for these activities please visit the annual conference sections of either the AMMI Canada (www.ammi.ca) or CACMID (www.cacmid.ca) websites and follow the instructions to register online.
Merit and Association Awards Presentations

Date: Thursday, May 3
Time: 15:45 – 16:15
Room: Pavilion Ballroom

Masters of Ceremony:
Carmen L. Charlton (Edmonton, AB)
Todd Hatchette (Halifax, NS)

2017 AMMI Canada Lifetime Achievement Award

Dr. Thomas J. Louie is the recipient of the AMMI Canada Lifetime Achievement Award for his dedication to the management of patients with recurrent *Clostridium difficile* colitis and his innovative and pioneering work with the gut microbiome.

Dr. Louie was a pioneer in the development of fecal transplantation for recalcitrant *C. difficile* colitis. He was one of the first clinicians to perform stool transplantation procedures in Canada and potentially globally. He began using fecal microbiota transplantation in the mid-1990s in Calgary and to date, he has the largest single centre experience in this area, performing transplants in over 120 patients. His initial work involved fecal transplantation via rectal enema, but over the last few years he pioneered the use of large capsules containing fecal microbiome to transplant via the oral route. Given the success rate of the transplants over 95% and the innovation of using laboratory modified oral capsules to replenish fecal microbiome, Time Magazine recognized Dr. Louie’s innovation as one of the top 10 medical breakthroughs of 2013. This breakthrough is now being adopted by many centers and patients worldwide.

Dr. Louie is also actively engaged in the development of fecal transplantation for patients with Pediatric Autoimmune Neuropsychiatric Disorder (PANDAS) Associated with Streptococcus. This has led to a new and exciting development in the treatment of this disorder. Dr. Louie is now working with a number of investigators in the United States on a program for patients who are suffering from PANDAS and who may be candidates for fecal transplantation.

Dr. Louie has provided outstanding contributions in both clinical and basic research over the course of his career, advocated for patients with infectious diseases in areas others did not treat and has displayed unparalleled originality and creativity in his chosen field, serving as a role model for the next generation of infectious diseases physicians.

Presenting the award:
Caroline Quach
President, AMMI Canada

2018 AMMI Canada – bioMérieux Post Residency Fellowship in Microbial Diagnostics

The AMMI Canada – bioMérieux Post Residency Fellowship in Microbial Diagnostics is a one-year fellowship, presented to a research project aimed to advance or improve microbial diagnostics within the areas of antimicrobial susceptibility testing, microbial detection and identification or biomarkers. The 2018 recipients are:

Dr. Matthew Cheng (Jamaica Plain, MA) for his project entitled “A breath fungal secondary metabolite signature to diagnose azole-resistant *Aspergillus fumigatus*”.

Dr. Ling Yuan Kong (Montréal, QC) for her project entitled “Harnessing whole genome sequencing as a tool to study antibiotic resistance in *Neisseria gonorrhoeae*”.

Presenting the award:
Caroline Quach
President, AMMI Canada
and
Xavier Nouvelot
Head of Canada Subsidiary bioMérieux
Merit and Association Awards Presentations

John G. FitzGerald – CACMID Outstanding Microbiologist Award

Dr. Lorne Babiuk is an internationally recognized leader in Canadian vaccine research who has devoted his career to Canadian-based research aimed at safeguarding the health of people and animals at home and abroad. The vaccines that he was involved in developing have had a significant impact on the economy in addition to reducing mortality and morbidity caused by infectious diseases. His specialties lie in immunology, pathogenesis, virology, and vaccinology, and he is a world expert in the control of infectious diseases through vaccination. His research accomplishments are global in scope having secured 42 patents for his work, published of over 600 manuscripts, with over 26,000 citations, an H index of 80 and an i10 index of 543. He has trained over 100 PhD and post-doctoral fellows who have gone on to successful careers in academia, industry, and government. Not surprisingly, he has been invited around the world to give presentations on his work. Among his many honours, Dr. Babiuk was made a Fellow of the Royal Society of Canada in 1999 and was named an Officer of the Order of Canada in 2005 for his “contributions to the control of infectious diseases”. Dr. Babiuk was honoured to receive the Saskatchewan Order of Merit in 2003 and to be inducted into the Saskatchewan Agricultural Hall of Fame in 2013. Dr. Babiuk was awarded the 2012 Canada Gairdner Wightman Award, the Killam Prize in health sciences in 2013, and the Global Confederation of Higher Education Associations for Agricultural and Life Sciences (GCHERA) World Agriculture Prize in 2016. Most recently, Dr. Babiuk served as the Vice-President of Research at the University of Alberta.

We are very pleased to celebrate Dr. Babiuk’s extraordinary national and international contributions and leadership with the 2018 CACMID John J. FitzGerald Outstanding Microbiologist Award.

Presenting the award:
Jessica Minion
President, CACMID

Canadian College of Microbiologists (CCM) Distinguished Microbiologist Award

The Canadian College of Microbiologists (CCM) Distinguished Microbiologist Award is given to members of the Canadian College of Microbiologists in recognition of outstanding professional contributions to the field of microbiology in Canada in the areas of research, teaching and involvement in the Canadian College of Microbiologists. The recipient of the award this year is Dr. Paul N. Levett, Clinical Virologist, BC Centre for Disease Control.

Presenting the award:
Jason J. LeBlanc
President, CCM

Canadian Foundation for Infectious Diseases (CFID) Dr. Juan A. Embil Award for Excellence in Infectious Diseases Research

This award, in memory of Dr. Juan Embil, is in recognition of research excellence in Infectious Diseases through a published manuscript by a trainee enrolled in a 2-year Infectious Diseases training program at a Canadian university or within one year of completing this training in Infectious Diseases. Dr. Sylvain Lother is the 2018 recipient of this award for his manuscript published in Emerging Infectious Diseases and entitled “Clonal clusters and virulence factors of Group C and G Streptococcus causing severe infections, Manitoba, Canada, 2012-2014”. Dr. Lother was supervised by Dr. Yoav Keynan. He is currently enrolled in the Infectious Diseases training program at the University of British Columbia. This manuscript describes 89 cases of Group C and G Streptococcus infections (51% of whom had bacteremia) detailing the molecular epidemiology and risk factors associated with these infections advancing our knowledge of these infections.

Presenting the award:
Coleman Rotstein
Chair, CFID Awards Committee
Merit and Association Awards Presentations

Canadian Foundation for Infectious Diseases (CFID) Dr. John M. Embil Mentorship Award in Infectious Diseases

Dr. Wayne Gold, Professor of Medicine in the Division of Infectious Diseases at the University of Toronto, is the recipient of the Dr. John Embil Mentorship Award for 2018. This award celebrates the commitment of a member of the Association of Medical Microbiology and Infectious Disease Canada for mentoring trainees in Infectious Diseases. Dr. Gold is the quintessential mentor. He exemplifies excellence in clinical Infectious Diseases care, is an ardent promoter of trainees to present and publish their work as well as pursuing their individual career paths, expresses interest in individual’s professional progress and encourages global health initiatives. He has been described by his mentees as passionate and dedicated to their education and well-being and an excellent role model. His efforts have also been recognized by the University of Toronto where he was honored with the Award for Performance/Mentorship/Advocacy from the Faculty of Medicine in 2007. He is therefore, a most worthy recipient of this award.

Presenting the award:
Coleman Rotstein
Chair, CFID Awards Committee

Dr. Lindsay E. Nicolle Award

This award is given to an individual who has made a significant contribution to infectious diseases and medical microbiology as demonstrated by the impact of their original research published in the Journal of the Association of Medical Microbiology and Infectious Disease Canada (JAMMI). It is given annually in honour of Dr. Lindsay E. Nicolle, who pioneered AMMI Canada’s journalistic endeavours.

(2016) Dr. Élise Fortin et al for the original article “Measurement of antimicrobial resistance in the respiratory microbiota and antimicrobial use in nine intensive care units, using different definitions and indicators”

(2017) Dr. Sumit Raybardhan et al for the original article “Self-stool banking as a source for fecal microbiota transplantation: A pilot study”

Presenting the award:
Gerald A. Evans
Editor-in-Chief, JAMMI
Poster and Research Awards Presentations

Date: Saturday, May 5
Time: 09:00 – 09:20
Room: Pavilion Ballroom

Masters of Ceremony:
Carmen L. Charlton (EDMONTON, AB)
Todd Hatchette (HALIFAX, NS)

Canadian Foundation for Infectious Diseases (CFID) Summer Student Research Awards
The CFID Summer Student Research Awards were established to attract bright young minds with outstanding academic records to the field of infectious diseases, microbiology, and infection control; and to fulfill the CFID mission of supporting research in infectious diseases.

Nathalie Loeb (McMaster University) for her project entitled “Frailty and Immune Response to Influenza Vaccine in Older Adults”, under the supervision of Dr. Janet E. McElhaney.

Kaitlyn Rourke (University of Ottawa) for her project entitled “Can sCD127 secretion in response to IL-7 be predicted by a single nucleotide polymorphism?”, under the supervision of Dr. Johnathan B. Angel.

Presenting the award: Coleman Rotstein
Chair, CFID Awards Committee

Canadian Foundation for Infectious Diseases (CFID) Safe Drinking Water Pilot Project Grant
This award was established to support research related to safe drinking water in Canada and throughout the world.

Dr. Anna Majury (Queen’s University) for her project entitled “The WELLness Project: Enhancing well water safety and stewardship in rural communities through a novel approach to science-community collaboration”.

Presenting the award: Coleman Rotstein
Chair, CFID Awards Committee

Journal of the Association of Medical Microbiology and Infectious Disease Canada (JAMMI) Trainee Review Article Award
Dr. Nadine Kronfli is the recipient of the 2017 JAMMI Trainee Review Article Award for her article, "Management of cytomegalovirus in hematopoietic stem cell transplant recipients: A review of novel pharmacologic and cellular therapies".

Presenting the award: Gerald A. Evans
Editor-in-Chief, JAMMI

AMMI Canada Medical Student Research Awards
The goal of this award is to provide support for medical students who are interested in research in infectious diseases and microbiology who are supervised by an AMMI Canada member.

Jason Zou (University of Manitoba) for his project entitled “Corynebacterium diphtheriae infections in an impoverished, inner-city patient population: epidemiology and mechanisms of antibiotic resistance”, under the supervision of Dr. Christopher Lowe and Dr. Marc Romney.

Julia Sawatzky (University of Alberta) for her project entitled “Diagnostic and Prognostic Biomarkers of Host Response to Respiratory Syncytial Virus Respiratory Tract Infection in Ugandan Infants and Children” under the supervision of Dr. Michael Hawkes.

Presenting the award: Coleman Rotstein
Chair, CFID Awards Committee

AMMI Canada Trainee Research Award
This award is given to a trainee to promote scholarship and scientific excellence among trainees. It is awarded for excellence in primary research conducted during their infectious diseases or medical microbiology training, and demonstrated by publication of an original research article on a topic within the disciplines of infectious diseases or medical microbiology. The recipient of the award this year is Dr. Ilan Schwartz, for his manuscript titled, “Emergomyces africanus in soil, South Africa”.

Presenting the award: Caroline Quach
President, AMMI Canada
Poster and Research Awards Presentations

Poster and Oral Awards will be presented to the six best presentations by students/trainees.

Each of the following awards consists of $800 and an engraved plaque:

**Association of Medical Microbiology and Infectious Disease (AMMI) Canada Poster Award**

**Presenting the award:**
Caroline Quach
President, AMMI Canada

**Canadian Association for Clinical Microbiology and Infectious Diseases (CACMID) Poster Award**

**Presenting the award:**
Jessica Minion
President, CACMID

**Canadian Association for Clinical Microbiology and Infectious Diseases (CACMID) Student Oral Presentation Award**

**Presenting the award:**
Jessica Minion
President, CACMID

**Canadian College of Microbiologists (CCM) Poster Award**

**Presenting the award:**
Jason J. LeBlanc
President, CCM

**Canadian College of Microbiologists (CCM) Dr. Kenneth Rozee Memorial Poster Award**

**Presenting the award:**
Jason J. LeBlanc
President, CCM

**The following award consists of $500 and an engraved plaque:**

**Dr. Susan King Paediatric Abstract Award**

This award is given annually to the best abstract by a trainee on a paediatric topic. It is presented in honour of Dr. Susan King. Funds for this award are generously provided by the PICNIC team and the Hospital for Sick Children (Division of Infectious Diseases). The recipient of the award this year is **Dr. Raisa Kanji** for her abstract (SP37) titled, “Pediatric Physician Knowledge and Attitudes About Antimicrobial Use”.

**Presenting the award:**
Joan Robinson
Chair, PICNIC
Association, Committee & Other Group Meetings

**Wednesday, May 2**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room/Site</th>
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<tbody>
<tr>
<td>08:00 – 17:00</td>
<td>AMMI Canada Council Meeting</td>
<td>Parksville</td>
<td>Caroline Quach</td>
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<tr>
<td>13:30 – 17:00</td>
<td>Canadian Public Health Laboratory Network (CPhLN) Meeting</td>
<td>Beluga</td>
<td>Matthew W. Gilmour and Graham Tipples</td>
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<tr>
<td>14:00 – 16:00</td>
<td>CCM Board Meeting</td>
<td>Port Hardy</td>
<td>Jason J. LeBlanc</td>
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<tr>
<td>18:00 – 21:00</td>
<td>AMMI Canada Education / Continuing Professional Development Committee Meeting</td>
<td>Junior Ballroom B</td>
<td>Joanne Salmon</td>
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**Thursday, May 3**

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<tbody>
<tr>
<td>06:30 – 07:45</td>
<td>AMMI Canada AGM and Sections Meeting</td>
<td>Port McNeill</td>
<td>Caroline Quach</td>
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<tr>
<td>12:30 – 14:30</td>
<td>AMMI Canada Clinical Research Network Meeting</td>
<td>Constellation</td>
<td>Nick Daneman</td>
</tr>
<tr>
<td>12:30 – 13:30</td>
<td>JAMMI Management Committee Meeting</td>
<td>Port Alberni</td>
<td>Daniel B. Gregson</td>
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**Friday, May 4**

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:00 – 08:45</td>
<td>CACMID AGM</td>
<td>Port McNeill</td>
<td>Jessica Minion</td>
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<tr>
<td>12:00 – 14:00</td>
<td>MALDI-TOF Users Group Meeting</td>
<td>Port McNeill</td>
<td>Philippe Legacé-Wiens</td>
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<tr>
<td>12:00 – 14:00</td>
<td>Royal College MM Specialty Committee Meeting</td>
<td>Parksville</td>
<td>David Haldane</td>
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<tr>
<td>18:30 – 20:30</td>
<td>JAMMI Editorial Board Meeting</td>
<td>Parksville</td>
<td>Gerald A. Evans</td>
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</table>
Predatory journals are a global and growing problem contaminating all domains of science. These journals have infiltrated the published literature landscape. In 2010, it was estimated there were 53,000 articles published in predatory journals; this estimate increased to 420,000 by 2014 the latest year for which data exists. These journals have also started to leak into trusted databases, such as PubMed. The Centre for Journalology has shown that researchers from all over the world are publishing in predatory journals, knowingly or not. These articles are also being used for a wide variety of purposes including academic promotion and tenure, and likely grant applications. The best chance of stopping predatory journals is to cut off their primary source of income: manuscript submissions.

One main problem in pursuing this line of action is gaining consensus as to what constitutes a predatory journal, something that does not currently exist. However, a number of behaviours and evidence-based characteristics have been identified. First, these journals lack scientific rigor, with a poor or nonexistent peer-review process and little or no editorial oversight to facilitate rapid publication, thus ensuring receipt of an author processing charge (APC). Second, predatory journals are usually not indexed in established bibliometric databases although they often claim legitimate indexing. They also do not indicate how their content will be archived in perpetuity, a key feature of standard online-only journals. In addition, they often have journal titles that mimic well-known authentic journals to confuse prospective authors. Finally, the APC, for many of these journals, is a magnitude cheaper than for legitimate open access journals. It is important to note that no single feature is pathognomonic of a predatory journal. For example, some quality open access journals do have low APCs, or no APCs at all. Although there are no easy, ‘quick-fix’ solutions to predatory journals, a concerted multiple stakeholder-driven response (e.g., academic institutions, funders, researchers, publishers) must begin to address the problems of these journals.

Objectives:
By the end of this session, participants should be able to:
• Identify the primary behaviours that characterize probable predatory journals and conferences
• Recognize the global reach of probable predatory journals, publishers and conferences
• Identify resources to help avoid submission to probable predatory journals
• Implement strategies to avoid submission to probable predatory journals and conferences

Dr. Moher is a senior scientist, Clinical Epidemiology Program, Ottawa Hospital Research Institute, and Associate Professor, School of Epidemiology and Public Health, Faculty of Medicine, University of Ottawa, where he holds a University Research Chair. Dr. Moher studies journalology (publication science). He spearheaded the development of the CONSORT and PRISMA Statements, and has been involved with several other reporting guideline initiatives. He is leading a program to develop core competencies for medical journal editors. Finally, he is actively developing a program to investigate alternatives to current incentives in academic medicine.
PROGRAM

Wednesday, May 2

07:30 – 12:00
CCM Workshop (4 hours)
Emerging Zoonotic Infections in Canada: What is the Scope of the Problem and Are We Prepared to Respond?
Room: Junior Ballroom CD
Moderator: Jason J. LeBlanc (Halifax, NS)

07:30 – 08:00
Breakfast & Registration

08:00 – 09:00
Emerging Mosquito-borne Viruses of Public Health Concern / Impact: At Home and Abroad
Speaker: Michael Drebot (Winnipeg, MB)
Objectives:
By the end of this session, participants should be able to:
• Describe the ecology and epidemiology of emerging mosquito-borne viruses such as Zika and California serogroup viruses
• Consider approaches for developing and applying new diagnostic assays and testing algorithms as part of an outbreak response
• Describe how newly arising viral genotypes can lead to changes in pathogenicity and transmission of vector-borne agents

09:00 – 10:00
Rodent-borne Zoonotic Infections in Canada with Special Emphasis on Outbreaks Associated with the Pet Trade
Speaker: L. Robbin Lindsay (Winnipeg, MB)
Objectives:
By the end of this session, participants should be able to:
• Describe the biology/ecology and burden of human disease from rodent-associated infections in Canada including hantavirus pulmonary syndrome and tularemia
• Describe the mechanisms that allow periodic incursions and amplification of pathogens within animals kept as pets and the risk this may pose to pet-owners
• Understand the complexities of the pet industry and what steps public health can take to minimize the impact of pet-associated zoonosis

10:00 – 11:00
Tick-borne Diseases in Canada: Current Status, Issues and Challenges
Speaker: Muhammad G. Morshed (Vancouver, BC)
Objectives:
By the end of this session, participants should be able to:
• Describe the incidence/prevalence of tick-borne diseases in Canada
• Identify diagnostic capacity and challenges of emerging tick-borne diseases
• Discuss future prospects of tick-borne disease surveillance and diagnosis

11:00 – 12:00
Group Discussion and Activities
(with interaction from audience members)
Speaker: Jason J. LeBlanc (Halifax, NS)
Objectives:
By the end of this session, participants should be able to:
• Identify the needs of local laboratories in diagnosis of emerging zoonotic diseases
• Describe established or identify new communication strategies between microbiology laboratories, Public Health, and veterinary/pet industry
• Present challenges and possible solutions back to other groups

08:00 – 17:00
AMMI Canada Council Meeting
Room: Parksville
Wednesday, May 2

12:30 – 17:00
Trainees’ Day (3.75 hours)
Room: Junior Ballroom CD
Moderator: Lisa Li (Vancouver, BC)

12:30 – 13:00
Lunch & Registration

13:00 – 14:00
Why I Started Doing Research During Residency
Speaker: Nelson Lee (Edmonton, AB)
Objectives:
By the end of this session, participants should be able to:
- Describe different types of research projects in infectious diseases and microbiology
- Apply key questions to corner potential projects for research
- Describe feasible ways to organize research projects during the busy schedule of residency

14:00 – 15:15
The Canadian Job Landscape & How to Be a Part of It
(Concurrent Sessions by Specialization)

A Practical Approach to Employment for the Adult ID Fellow
Speakers: Justin Chen (Edmonton, AB)
Thodore Steiner (Vancouver, BC)
Objectives:
By the end of this session, participants should be able to:
- Demonstrate insight into the landscape of adult ID jobs over the next several years
- Develop an understanding of tailored ID fellowship training to achieve a dream position
- Recognize the importance of intangibles in achieving employment

Optimism Balanced with Realism – Perspectives and Advice for Approaching the Paediatric ID Job Landscape for Canadian Graduates
Speakers: Manish Sadarangani (Vancouver, BC)
Anupma Wadhwa (Toronto, ON)
Objectives:
By the end of this session, participants should be able to:
- Describe how the paediatric ID job landscape has looked for new Canadian graduates over the past 5-10 years
- List three tips that they can incorporate into their job-hunting process
- Name three people they can meet for informational interviews in order to build their mentorship network

15:15 – 16:00
Putting Your Best Foot Forward: Seeking Employment as a Clinical Microbiologist in Canada
Speakers: Heather Adami (Winnipeg, MB)
Lee Goneau (Toronto, ON)
Objectives:
By the end of this session, participants should be able to:
- Review the clinical microbiology job opportunities during the past 5 years and discuss the upcoming prospects
- Identify or create employment opportunities that meet their career goals
- Develop strategies to stand out from the group (on paper) and effectively prepare for an interview

15:30 – 17:00
Canadian Public Health Laboratory Network (CPHLN) Meeting
Room: Beluga

16:00 – 17:00
CCM Board Meeting
Room: Port Hardy

17:00 – 18:00
Trainees’ Day Reception
Room: Junior Ballroom Foyer

18:00 – 21:00
AMMI Canada Education / Continuing Professional Development Committee Meeting
Room: Junior Ballroom B
Thursday, May 3

06:30 – 07:45
AMMI Canada AGM and Sections Meeting
Room: Port McNeill

07:15 – 08:45
Workshop (1 hour)
MRSA Bloodstream Infection: The Bug Stops Here!
Room: Junior Ballroom CD
Moderator: William Connors (Vancouver, BC)
Speaker: Gerald A. Evans (Kington, ON)
Objectives:
By the end of this session the attendee will be able to:
• Summarize current evidence regarding management of MRSA bloodstream infections
• Identify possible solutions to unique challenges in the management MRSA BSI including:
  – Outpatient management in the setting of opioid use disorder
  – The role for combination therapy and/or newer agents
  – Duration of therapy
  – Can antimicrobial therapy replace surgical steel in complicated MRSA BSI?

08:45 – 09:00
Break
Room: Pavilion Ballroom Foyer

09:00 – 11:00
Plenary (2 hours)
Indigenous Health and Infectious Diseases
Room: Pavilion Ballroom
Moderators: Alexandra King (Saskatoon, SK)
Malcolm King (Saskatoon, SK)

09:00 – 09:06
Welcome and Opening Remarks
Speaker: Elder Sempulyan [xʷməθkwəy̓əm (MuSQuea), Skwxwú7mesh (Squamish)]

09:06 – 09:44
Fostering Self-Determination: Taking the Lead from Indigenous Communities Around Infectious Disease
Speaker: Carrie Bourassa (Sudbury, ON)
Objectives:
By the end of this session, participants should be able to:
• Recognize historical context to power relationships and health inequities for Indigenous communities
• Understand why it is important to give primacy to Indigenous knowledge, ways of knowing and Indigenous research paradigms particularly related to health
• Illustrate key principles of ethical engagement with Indigenous communities

09:44 – 10:22
Evidence Based Approaches to Infectious Diseases Prevention and Care among First Nations, Metis and Inuit Peoples: Where are the Gaps and How Can We Fill Them?
Speaker: Pamela Orr (Winnipeg, MB)
Objectives:
By the end of this session, participants should be able to:
• Identify gaps in evidence regarding epidemiology, basic and applied science that hamper our approaches to infectious diseases prevention and care among First Nations, Metis and Inuit Peoples
• Reflect on the pitfalls of assuming that evidence gathered among non-Indigenous peoples applies to Indigenous peoples
• Identify opportunities, sources and research models to fill gaps in evidence

10:22 – 11:00
Healthcare Delivery in Indigenous Communities
Speaker: Stuart Skinner (Regina, SK)
Objectives:
By the end of this session, participants should be able to:
• Summarize the state of HIV and hepatitis C in Saskatchewan and identify successful community interventions developed to address them
• Discuss how this model can be built upon to address other chronic diseases and health disparities for on-reserve populations
• Discuss the importance of community engagement and community led programming in health and wellness

11:15 – 12:30
Oral Presentations (1.25 hours)
Session A
Room: Pavilion Ballroom
Moderator: Wilson Chan (Calgary, AB)
A01 11:15–11:30
Hepatitis C (HCV) Treatment in People Who Inject Drugs (PWID): A Comparison of Single- and Multi-Tablet Regimens
Speaker: Carrie Bourassa (Sudbury, ON)
JA HOLEKSA, A Alimohammadi, B Conway
Vancouver Infectious Diseases Centre, Vancouver, BC
Thursday, May 3

**A02 11:30–11:45**
Incidence of Pneumococcal Community-Acquired Pneumonia Requiring Hospitalization in Sherbrooke, Québec from 1997 to 2015
C Grenier1, A Carignan1,2, C Abou Chakra1, A Marcil-Héguy1, G Lapointe1, L Valiquette1,2
1Centre de recherche du CHUS, CIUSS de l’Estrie-CHUS, Sherbrooke, QC; 2Department of Microbiology and Infectious Diseases, Sherbrooke, QC

**A03 11:45–12:00**
Infections Due to Antimicrobial-Resistant Organisms (ARO) in Canadian Community, Rural, and Northern Acute Care Hospitals
J Shurgold1, G Taylor2, S Alexandre1, K Bush3, C Frenette3, G German4, J Happe5, A McGeer5, M Science6, SW Smith7,8, Jv Yavalamkili6, D Gravel9
1Canadian Antimicrobial Resistance Surveillance System, Public Health Agency of Canada, Ottawa, ON; 2University of Alberta, Edmonton, AB; 3Canadian Nosocomial Infection Surveillance System, Public Health Agency of Canada, Ottawa, ON; 4Infection Prevention and Control, Alberta Health Services, Calgary, AB; 5Division of Infectious Diseases and Medical Microbiology McGill University Health Center, Montréal, QC; 6Queen Elizabeth Hospital Infectious Disease, Health PEI, Charlottetown, PE; 7Red Deer Hospital, Alberta Health Services, Red Deer, AB; 8Department of Microbiology, Mount Sinai Hospital, Toronto, ON; 9Section of Infectious Diseases, Department of Pediatrics, Cumming School of Medicine, University of Calgary and Infection Prevention and Control, Alberta Health Services, Calgary, AB

**A04 12:00–12:15**
Later-Career Physicians Prescribe More Prolonged Courses of Antibiotics Among Outpatients: A Cohort Study of 10,616 Family Physicians in Ontario, Canada
C Fernandez Lazaro1,2, KA Brown2,3, BJ Langford2, N Daneman2,3,4, GE Garber2,3, KL Schwartz2,3
1University of Salamanca, Salamanca, Spain; 2Public Health Ontario, Toronto, ON; 3University of Toronto, Toronto, ON; 4Sunnybrook Health Sciences Centre, Toronto, ON

**A05 12:15–12:30**
A Description of the Microbiota Therapeutics Outcomes Program (MTOP) Stool Donor Experience
SHota1,2, IF McNamara1, RG Jin1, SM Poutanen1,2
1University Health Network, Toronto, ON; 2University of Toronto, Toronto, ON; 3University Health Network/Sinai Health System, Toronto, ON

**11:15–12:30**
Oral Presentations (1.25 hours)
**Session B**

**B01 11:15–11:30**
External Quality Assessment for Point-of-Care HIV Early-Infant Diagnosis: Development and Results of a Pilot Proficiency Testing Panel
T Taylor1, D Cabile1, L Ares1, T Bielawny1, M Plews1, T Diallo1, TB Ball1,2, P Sandstrom1,2, A Meyers1,2
1National HIV and Retrovirology Laboratories, Public Health Agency of Canada, Winnipeg, MB; 2Department of Medical Microbiology and Infectious Diseases, University of Manitoba, Winnipeg, MB

**B02 11:30–11:45**
A Novel Target for Tackling Persistent Hepatitis B Virus: Identification of a G4-Quadruplex Structure Motif in a Key Region of HBV’s Genome
VMeyer-Stephenson1,2, S Shultz1, CS Coffin1, TR Patel1,2
1Department of Medicine, University of Calgary, Calgary, AB; 2Alberta RNA Research and Training Institute, University of Lethbridge, Lethbridge, AB; 3Discovery Lab, University of Alberta, Edmonton, AB

**B03 11:45–12:00**
British Columbia Implementation of Multiplex NAT for Viral Investigation of Gastroenteritis
C Tchao1, F Tsang1, S Man1, A Kong1, D Yu1, T Hird1, B Auk1, N Prystajecky1,2
1BCCDC Public Health Laboratory, Vancouver, BC; 2University of British Columbia Department of Pathology and Laboratory Medicine, Vancouver, BC

**B04 12:00–12:15**
Clinical Laboratory Investigation of a Large Norovirus Outbreak Linked to the Consumption of Norovirus Contaminated Oysters, British Columbia 2016–2017
SMAN1, F Tsang1, C Tchao1, E Galanis1,2, M Taylor2, L McIntyre2, P Hasselback3, M McKinley3, A Hayden4, O Bitzikos4, M Murti5, J Stone5, N Prystajecky1,2
1BCCDC Public Health Laboratory, Vancouver, BC; 2BCD, Vancouver, BC; 3University of British Columbia, School of Public and Population Health, Vancouver, BC; 4Vancouver Island Health Authority, Nanaimo, BC; 5Vancouver Island Health Authority, Victoria, BC; 6Vancouver Coastal Health Authority, Vancouver, BC; 7Fraser Health Authority, Surrey, BC; 8Fraser Health Authority, Port Moody, BC; 9University of British Columbia, Department of Pathology and Laboratory Medicine, Vancouver, BC

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**PROGRAM**
Thursday, May 3

B05 12:15–12:30
Automated Workflow for High-Throughput Influenza Sequence Analysis
D Eisler1, D Fornika2, T Chan1, R Hickman1, B Auk1, L Hoang1, C Chambers1, D Skowronski2,3, M Krajden1,2, A Jassem1,2, W Hsiao1,2
1BCCDC Public Health Laboratory, Vancouver, BC; 2University of British Columbia, Vancouver, BC; 3BC Centre for Disease Control, Vancouver, BC

11:15–12:30 Oral Presentations (1.25 hours)
Session C

C01 11:15–11:30
Towards the Use of Multiplexed Oxford Nanopore MinION Sequence Data for Routine Carbapenamase-producing Organism Surveillance
A Kense1, MIA Croxen1,2, TD Lee1, L Hoang1,4
1University of British Columbia, Vancouver, BC; 2Provincial Laboratory for Public Health (ProLab), Edmonton, AB; 4BC Centre for Disease Control Public Health Laboratory, Vancouver, BC

C02 11:30–11:45
Antifungal Susceptibility of Aspergillus Isolates from the Respiratory Tract of Patients in Canadian Hospitals: Results of the CANWARD 2016 Study
J Fuller1,2, A Bull3, SE Shokoples1, TC Dingle2,3, HJ Adam4,5, M Baxter1, DJ Hoban1,2, GG Zhanel1
1Pathology and Laboratory Medicine, Western University, London, ON; 2Labouratoire de Médicine et Pathologie, University of Alberta, Edmonton, AB; 3Provincial Laboratory, Alberta Health Services, Edmonton, AB; 4Medical Microbiology and Infectious Diseases, University of Manitoba, Winnipeg, MB; 5Diagnostic Services of Manitoba, Winnipeg, MB

C03 11:45–12:00
Validation of MALDI-TOF Mass Spectrometry for the Identification of Moulds Using the Bruker™ BioTyper, National Institute of Health (NIH) and Marseille Mass Spectrum Identification (MSI) Databases Using a Simple Extraction Procedure
PR Lagacé-Wiens1,2, M Stein1,2, HJ Adam1,2, P Pironi3, A-C Normand4, R Pierroux4, JA Karlowsky1,2
1Diagnostic Services Manitoba, Winnipeg, MB; 2University of Manitoba, Winnipeg, MB; 3Diagnostic Services Manitoba, Brandon, MB; 4Service de Parasitologie/Mycologie, Groupe Hospitalier Pitié-Salpêtrière, AP-HP, Paris, France

C04 12:00–12:15
Nitroimidazole-refractory Giardiasis at J.D. MacLean Centre for Tropical Diseases, Montréal: A 6-year Observational Study
S Barkati1,2, A Massenet1, CP Yansouni1, MD Libman1
1J.D. MacLean Centre for Tropical Diseases, McGill University, Montréal, QC; 2Centre Hospitalier de l’Université de Montréal, Montréal, QC

C05 12:15–12:30
Natural Immunity to Haemophilus influenzae type a in First Nations Adults Living in Communities with Different Burden of Invasive Disease
M Ulanova1,2, EB Nix1, J Choi1, C Anthes2, GN Gaultier2, J Thorgrinson1, AD Cox1, RSW Tsang1, WG McCready1, D Boreham1
1Northern Ontario School of Medicine, Thunder Bay, ON; 2Lakehead University, Thunder Bay, ON; 3National Research Council, Ottawa, ON; 4National Microbiology Laboratory, Winnipeg, MB; 5Northern Ontario School of Medicine, Sudbury, ON

12:30 – 14:30 Exhibit Hall Lunch
Room: Grand Ballroom

12:30 – 14:30 Student Poster (SP) Judging
Room: Grand Ballroom

12:30 – 14:30 Poster (PT) Viewing
Room: Grand Ballroom

12:30 – 14:30 AMMI Canada Clinical Research Network Meeting
Room: Constellation

12:30 – 13:30 JAMMI Management Committee Meeting
Room: Port Alberni

12:30 – 14:30 Royal College ID Specialty Committee Meeting
Room: Parksville

12:45 – 14:15 CCM AGM
Room: Junior Ballroom CD
Thursday, May 3

14:45 – 15:45
State of the Art Clinical Lecture (1 hour)
Medical-legal Pitfalls in Infectious Diseases and Medical Microbiology: Tips to Help Clinicians and Patients Stay Out of Trouble
Room: Pavilion Ballroom
Moderator: Jennie Johnstone (Toronto, ON)
Speaker: Shirley Lee (Ottawa, ON)

Objectives:
By the end of this session, participants should be able to:
• List three common reasons why clinicians encounter medical-legal risk
• Identify three major causes of diagnostic error for infectious disease specialists
• Describe two communication strategies that promote safe, reliable patient care and mitigate medical-legal risk for clinicians

15:45 – 16:15
Merit and Association Awards Presentations
Room: Pavilion Ballroom

16:15 – 17:15
AMMI Canada – CACMID Special Lecture (1 hour)
Inside Pandora’s Box: Stopping Probable Predatory Journals
Room: Pavilion Ballroom
Moderators: Jessica Minion (Regina, SK)
Caroline Quach (Montreal, QC)
Speaker: David Moher (Ottawa, ON)

Objectives:
By the end of this session, participants should be able to:
• Identify the primary behaviours that characterize probable predatory journals and conferences
• Recognize the global reach of probable predatory journals, publishers and conferences
• Identify resources to help avoid submission to probable predatory journals
• Implement strategies to avoid submission to probable predatory journals and conferences

17:15 – 19:00
Meet & Greet Reception in the Exhibit Hall
Room: Grand Ballroom

17:15 – 19:00
Student Poster (SP) Viewing
Room: Grand Ballroom

Friday, May 4

07:00 – 08:45
CACMID AGM
Room: Port McNeill

07:00 – 08:45
CFID Board Meeting
Room: Parksville

07:00 – 08:45
Workshop (1 hour)
Contemporary Strategies in the Management of Invasive Aspergillosis in Hematologic Malignancy Patients
Room: Junior Ballroom CD
Moderator: Coleman Rotstein (Toronto, ON)
Speaker: Alissa Wright (Vancouver, BC)

• Recognize the burden of illness in Canada, risk factors for and complications of invasive aspergillosis in the affected population

Speaker: Donald Vinh (Montreal, QC)
• Discuss current and novel diagnostic methods of invasive aspergillosis infections

Speaker: Shariq Haider (Hamilton, ON)
• Outline optimal treatment strategies for the management of invasive aspergillosis in high risk individuals within the context of current treatment guidelines.

08:45 – 09:00
Break
Room: Pavilion Ballroom Foyer
PROGRAM

Friday, May 4

09:00 – 11:00
Plenary (2 hours)
Clinical Controversies in Infectious Diseases and Diagnostic Microbiology
co-developed with the Canadian Foundation for Infectious Diseases (CFID)

Room: Pavilion Ballroom
Moderators: Philippe Lagacé-Wiens (Winnipeg, MB)
            Prameet Sheth (Kingston, ON)

09:00 – 10:00
Debate: Extended Spectrum Beta-Lactamase (ESBL) and Patient Care Management

Resolution:
Be it resolved that beta-lactams/beta-lactamase inhibitors can be used for infections caused by Gram-negative bacilli (GNB) carrying ESBL and AmpC.

Debaters:
For: Gerald A. Evans (Kingston, ON)
Against: Jennifer Grant (Vancouver, BC)

Objectives:
By the end of this session, participants should be able to:
• Describe potential role(s) of beta-lactams/beta-lactamase inhibitors in infections caused by GNB carrying ESBL and AmpC
• Evaluate evidence-based arguments for and against using beta-lactams/beta-lactamase inhibitors in infections caused by GNB carrying ESBL and AmpC
• Summarize issues related to interpreting susceptibility testing of beta-lactams/beta-lactamase in organisms carrying ESBL and AmpC

10:00 – 11:00
Debate: Benefits and Drawbacks of Multiplex Molecular Panels for the Identification of Pathogens in Clinical Specimens

Resolution:
Be it resolved that molecular multiplex panels for infectious agents should be used to simplify laboratory workflow, improve patient management and decrease overall health system costs.

Debaters:
For: Steven J. Drews (Edmonton, AB)
Against: Susan Richardson (Toronto, ON)

Objectives:
By the end of this session, participants should be able to:
• Identify benefits and risks to the laboratory of multiplex panel use for the identification of pathogens from patient specimens

11:00 – 14:00
Exhibit Hall Open
Room: Grand Ballroom

11:00 – 14:00
Poster (PF) Viewing
(presenters at posters until 12:00)
Room: Grand Ballroom

12:00 – 14:00
Integrated Symposium (1.5 hours)
MDR Gram-Negative Infections in the Critically Ill Patient: Epidemiology and Management Update

Room: Junior Ballroom CD
Moderator: Susan Poutanen (Toronto, ON)
Speaker: Susan Poutanen (Toronto, ON)

Objectives:
• Describe the epidemiology and resistance patterns of Gram-negative bacteria in Canadian hospitals and intensive care units (ICUs)

Speaker: Anand Kumar (Winnipeg, MB)

Objectives:
• Define risk factors for resistant Gram-negative infections in the ICU setting
• Discuss current and emerging treatment options for infections due to multidrug-resistant Gram-negative pathogens

12:00 – 14:00
MALDI-TOF Users Group Meeting
Room: Port McNeill

12:00 – 14:00
Royal College MM Specialty Committee Meeting
Room: Parksville

12:15 – 14:00
Exhibit Hall Lunch
Room: Grand Ballroom
Friday, May 4

14:10 – 15:10
State of the Art Clinical Lecture (1 hour)
Therapeutic Drug Monitoring (TDM)
Room: Pavilion Ballroom
Moderator: Earl Rubin (Montreal, QC)

14:10 – 14:40
Me? Debunk a Vancomycin Myth?... Take My Life in My Hands?
Speaker: Bruce Dalton (Calgary, AB)
Objectives:
By the end of this session, participants should be able to:
• Describe principles of pharmacokinetic monitoring of drugs and how vancomycin fits within these principles
• Evaluate the clinical evidence supporting vancomycin pharmacokinetic monitoring and most appropriate parameters and values to target
• Integrate available knowledge of vancomycin pharmacokinetics in the care of special populations, for example paediatrics and obese

14:40 – 15:10
Triazoles Therapeutic Drug Monitoring: Useful or Wasteful?
Speaker: Michel Laverdière (Montreal, QC)
Objectives:
By the end of this session, participants should be able to:
• Understand the rationale for triazoles TDM
• Recognize the target population for triazoles TDM
• Appreciate practical management issues relating to triazoles TDM

15:20-16:35
Student Oral Competition (1.25 hours)
Session D
Room: Pavilion Ballroom
Moderator: Lynora Saxinger (Edmonton, AB)

D01 15:20-15:35
Reduction in the Institutional Burden of Multi-Drug Resistant Isolates Following Implementation of a Prospective Audit and Feedback Antimicrobial Stewardship Intervention in a Major Tertiary Care Hospital: A Controlled Interrupted Time Series Analysis Over 14 Years
CS PERAGINE1,2, A Kiss3,4, AE Simor5,6,7, JA Leis3,4,6,8, SAN Walker1,2,3,4
1Department of Pharmacy, Sunnybrook Health Sciences Centre, Toronto, ON; 2Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, ON; 3Division of Infectious Diseases, Sunnybrook Health Sciences Centre, Toronto, ON; 4Department of Medicine, Sunnybrook Health Sciences Centre, Toronto, ON; 5Faculty of Medicine, University of Toronto, Toronto, ON; 6Department of Infection Prevention and Control, Sunnybrook Health Sciences Centre, Toronto, ON

D02 15:35-15:50
Retrospective Multicenter Cohort Study Comparing Efficacy and Safety Outcomes with Continuous Infusion Vancomycin and Intermittent Infusion Vancomycin
N MA1,2, SAN Walker1,2,3,4, M Elligsen1, L Palmay1, G Ho1, JA Leis3,4,6, V Bansal1, JE Powis5,6
1Sunnybrook Health Sciences Centre, Department of Pharmacy, Toronto, ON; 2University of Toronto, Leslie Dan Faculty of Pharmacy, Toronto, ON; 3Sunnybrook Health Sciences Centre, Division of Infectious Diseases, Toronto, ON; 4Sunnybrook Health Sciences Centre, Sunnybrook Research Institute, Toronto, ON; 5Michael Garron Hospital, Toronto, ON; 6University of Toronto, Faculty of Medicine, Toronto, ON

D03 15:50-16:05
Restricted Reporting of Positive Urine Cultures to Reduce Inappropriate Treatment of Asymptomatic Bacteriuria Among Non-pregnant, Non-catheterized Inpatients: A Randomised Controlled Trial
R INAYATULLAH, P Daley, DA Garcia, C Penney, S Boyd
Memorial University of Newfoundland, St. John’s, NL

D04 16:05-16:20
Preoperative S. aureus Screening and Decolonization Protocol as an Effective Strategy to Decrease Deep Infection Rate in Orthopaedic Surgical Patients
A ROMERO-PALACIOS1,2, D Petruccelli1,2, J de Beer1,2, M Winemaker1,2, D Mertz1,2
1Hamilton Health Sciences, Hamilton, ON; 2McMaster University, Hamilton, ON

D05 16:20-16:35
Factors Associated with Success in Revision Surgery for Infected Hip and Knee Arthroplasties at Four Hospitals from 2010–2014
C KANDEL1,2, D Backstein1, A Sajja1, K Katz3, M Muller4,5, A McGeer1,4,5
1Institute of Health Policy Management and Evaluation, Toronto, ON; 2Eliaq茫 Phillips Clinician-Scientist Training Program, Toronto, ON; 3Sinal Health System, Toronto, ON; 4North York General Hospital, Toronto, ON; 5University of Toronto, Toronto, ON; 6St. Michael’s Hospital, Toronto, ON
**PROGRAM**

**Friday, May 4**

**E01 15:20–15:35**

**Trends in Invasive Pneumococcal Disease (IPD) Caused by the Pneumococcal Conjugate Vaccine (PCV13) and Pneumococcal Polysaccharide Vaccine (PPV23)—Unique Serotypes in Older Adults (≥65 Years of Age) in Canada**

RM NEPAL, SB Dion, M Major, C Laferrière, J Vojicic

*Pfizer Canada Inc, Kirkland, QC*

**E02 15:35–15:50**

**Genome Sequencing Meets Shoe-Leather Epidemiology: Use of Genomics Data to Investigate a Cluster of NDM-Positive Citrobacter freundii in British Columbia**

L HOANG1,2, MA Croxon1, R Ranasinghe1, R Azana1, K Short3, S Baddar3, E Brodkin4

1*BC Centre for Disease Control Public Health Laboratory, Vancouver, BC; 2University of British Columbia Department of Pathology and Laboratory Medicine, Vancouver, BC; 3Provincial Laboratory for Public Health, Edmonton, AB; 4BC Provincial Infection Prevention Control Network, Vancouver, BC; 5Infection Prevention and Control, Fraser Health Authority, Surrey, BC*

**E03 15:50–16:05**

**Improving Healthcare Worker Adherence to Additional Precautions Using Human Factor Design: A Multicentre Study**

JE Powis1,2, P Trbovich1, S Pinkney2, B Joseph1, W Lee2, A O’Shaughnessy1, A Portsmouth1, S Sasikanthan1, T Agnihotri2, M Avanesse1, M Eng-Chong1, S Cobham1, C Copus1, F Jinnah2, C Kerr1, L Maze dit Mieusement1, D Pajak1, P Reason1, N Salt1, K Virdi1, V Williams1, C Warren2, R Reding2, JA LEIS3,4

1*Michael Garron Hospital, Toronto, ON; 2University of Toronto, Toronto, ON; 3Sunnybrook Health Sciences Centre, Toronto, ON*

**E04 16:05–16:20**

**Healthcare-associated Clostridioides difficile Infection in Pediatric Oncology and Bone Marrow Transplant Patients**

GN ALRAWAH1, A Al-Najjar2, R McDonald1, R Deyell1, GG Golding1, R Brant1, P Tilley1, E Thomas1, S Dobson1

1*BC Children’s Hospital, Vancouver, BC; 2King Abdulaziz University Hospital, Jeddah, Saudi Arabia; 3National Microbiology Laboratory, Winnipeg, MB; 4BC Children’s Hospital Research Institute, Vancouver, BC; 5Sidra Medical and Research Center, Doha, Qatar*

**E05 16:20–16:35**

**Initial Exploration of the Impact of Specialized Rooms on the Microbiome of Bone Marrow Transplant Patients**

A Kense1, MA Croxon1,2, T Woznow1, T Wong2, E Bryce3, R Broady4, P Tang1,6, L HOANG1,7

1*University of British Columbia, Vancouver, BC; 2Provincial Laboratory for Public Health (ProvLab), Edmonton, AB; 3University of Alberta, Edmonton, AB; 4Vancouver General Hospital, Vancouver, BC; 5Sidra Medical and Research Center, Doha, Qatar; 6Weill-Cornell Medical College, Doha, Qatar; 7BC Centre for Disease Control, Vancouver, BC*
PROGRAM

Friday, May 4

F04 16:05–16:20
Needle in a Haystack: Looking for TB in a Low Incidence Setting
EJ Eckbo1,2, T Hird3, M Ng4, M Rodrigues2, K Lam2, I Sekirov1,2
1Department of Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC; 2British Columbia Centre for Disease Control, Vancouver, BC

F05 16:20–16:35
Frequency of Occurrence of Hypermucoviscous Klebsiella pneumoniae Bloodstream Isolates Among Patients Seen at Hospitals in Winnipeg, Manitoba: A Comparison of Two Time Periods
DH Singh1, K Nichol1, J Embil2, Y Keynan1, PR Lagace-Wiens1,3, JA Karolowsky3,4, A Walkty3,4
1Department of Community Health Sciences, Max Rady College of Medicine, University of Manitoba, Winnipeg, MB; 2Diagnostic Services Manitoba, Winnipeg, MB; 3Department of Medical Microbiology and Infectious Diseases, Max Rady College of Medicine, University of Manitoba, Winnipeg, MB

16:35 – 16:45 Break
Room: Oral Presentation Foyers

16:45–18:15
Student Oral Presentation (1.5 hours)
Session G
Room: Pavilion Ballroom
Moderator: Sarah Forgie (Edmonton, AB)

G01 16:45–17:00
Evidence of Circulation of blaGES-5 carbapenemase Within and Across Clinical Strains of Pseudomonas aeruginosa at a Tertiary Care Hospital in Alberta
LF Lisboa1, MA Croxen1,2, DA Boyd3, TC Dinglo1,3, BE Lee4,5,6, V Li7, SW Smith1,2, G Taylor7,8, MR Mulvey4,9, L Chui2
1Department of Medical Microbiology and Immunology, University of Alberta, Edmonton, AB; 2Provincial Laboratory for Public Health (ProvLab), Edmonton, AB; 3Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB; 4National Microbiology Laboratory, Winnipeg, MB; 5Department of Pediatrics, University of Alberta, Edmonton, AB; 6Infection Prevention and Control, Alberta Health Services, Edmonton, AB; 7Division of Infectious Diseases, University of Alberta, Edmonton, AB; 8Department of Microbiology, University of Manitoba, Winnipeg, MB

G02 17:00–17:15
Vancomycin Therapeutic Drug Monitoring in Young Infants: Target Attainment, Microbiological Response and Nephrotoxicity
IViel-Thériault1, F Thompson-Desormeaux2, B Martin3, J Blackurn3, A Moussa4,5, J Autrimizguine5,6
1Department of Pediatrics, University of Ottawa, Ottawa, ON; 2Department of Pharmacy, Université de Montréal, Montréal, QC; 3Department of Microbiology, Infectious Diseases and Immunology, Université de Montréal, Montréal, QC; 4Research Center, CHU Sainte-Justine, Montréal, QC; 5Department of Pediatrics, Université de Montréal, Montréal, QC; 6Clinical Pharmacology Unit, Université de Montréal, Montréal, QC

G03 17:15–17:30
Efficacy of 30-Day Treatment of Fidaxomicin for Multiple Recurrent Clostridium difficile Infection
CKim1,2, P Beckett1, S Abouanase1, C Lee1,3
1Vancouver Island Health Authority, Victoria, BC; 2University of Victoria, Victoria, BC; 3St. Joseph’s Healthcare Hamilton, Hamilton, ON

G04 17:30–17:45
A Comparison of Perspectives Towards Antibiotic Stewardship of Prescribers with and without Prior Exposure to Stewardship
AS Teale, H Hoang, L Saxinger
University of Alberta, Edmonton, AB

G05 17:45–18:00
Antibioprophylaxis for Transrectal Ultrasound-Guided Needle Prostate Biopsy: Compared Efficacy of Ciprofloxacin vs. the Novel Ciprofloxacin/Fosfomycin Combination
AMorin1, MA Bergevin2, N Rivest3, S Lapointe3,4,5,6
1Centre Hospitalier Universitaire de Sherbrooke, Sherbrooke, QC; 2Hôpital St-Eustache, Saint-Eustache, QC; 3Centre de Santé et de Services Sociaux de la Montérégie, Vaudreuil, QC; 4Université de Sherbrooke, Sherbrooke, QC; 5Collège universitaire d’enseignement à distance de l’UQAM, Montréal, QC; 6Clinical Pharmacology Unit, Université de Montréal, Montréal, QC

G06 18:00–18:15
Defaulting to Single Lumen Peripherally Inserted Central Catheter Insertions at an Acute Care Academic Health Science Centre: A Time Series Analysis
PW Lam1, C Valling1, T Chan1, JB Wiggers1, L Castellani1, J Wright1, K Peckham2, S Shadowitz1,4, S Tasker3, N Daneman1,5, WL Gold1,5, R Pugash1, JA Leis1,5
1Department of Medicine, University of Toronto, Toronto, ON; 2Division of Medical Oncology and Hematology, Sunnybrook Health Sciences Centre, Toronto, ON; 3Division of General Internal Medicine, Sunnybrook Health Sciences Centre, Toronto, ON; 4Division of Vascular & Interventional Radiology, Sunnybrook Health Sciences Centre, Toronto, ON; 5Division of Infectious Diseases, Sunnybrook Health Sciences Centre, Toronto, ON; 6Division of Infectious Diseases, University Health Network, Toronto, ON
**PROGRAM**

**Friday, May 4**

**16:45–18:15**

**Oral Presentations (1.5 hours)**

**Session H**

**Room:** Junior Ballroom AB

**Moderator:** Jennifer Grant *(VANCOUVER, BC)*

**H01** 16:45–17:00

**Measurement of Parenteral and Oral Antimicrobial Usage in Canadian Hospitals via Assessment of Purchasing Data**

S Glass-Kaastra¹, JM CONLY¹, G German³, AM Morris⁴, DM Patrick⁵, D Thirion⁶, K Weiss⁷, D Gravel⁸

¹Canadian Antimicrobial Resistance Surveillance System, Public Health Agency of Canada, Ottawa, ON; ²Cumming School of Medicine, University of Calgary, Calgary, AB; ³Health PEI, Charlottetown, PE; ⁴Sinai Health System/University Health Network, University of Toronto, Toronto, ON; ⁵School of Population and Public Health, University of British Columbia, Vancouver, BC; ⁶Faculty of Pharmacy, Université de Montréal, Montréal, QC; ⁷SMBD-Jewish General Hospital, Montréal, QC

**H02** 17:00–17:15

**Cost-Benefit Analysis of a Population-Based Education Program on the Wise Use of Antibiotics**

A MAMUN¹, B Zhao¹, M McCabe¹, K Dreher¹, E Blondel-Hill¹, F Marra², DM Patrick¹,²

¹BC Centre for Disease Control, Vancouver, BC; ²University of British Columbia, Vancouver, BC; ³Interior Health Authority, Kelowna, BC

**H03** 17:15–17:30

**Assessing the Impact of Antibiotic Stewardship Program Elements on Antibiotic Use Across Acute Care Hospitals: An Observational Study**

BJ LANGFORD¹,², JH-C Wu¹, KA Brown¹,², X Wang¹,², V Leung¹, C Tan¹,², GE Garber¹,²,³,⁴, N Daneman¹,²,³,⁴,⁵,⁶,⁷,⁸,⁹

¹Public Health Ontario, Toronto, ON; ²Dalhousie University, Halifax, NS; ³Institute for Clinical Evaluative Sciences, Toronto, ON; ⁴London Health Sciences Centre, London, ON; ⁵Department of Medicine, University of Ottawa, Ottawa, ON; ⁶Department of Pediatrics, University of Alberta, Edmonton, AB; ⁷Division of Infectious Diseases, Sunnybrook Health Sciences Centre, Toronto, ON; ⁸Sunnybrook Health Sciences Centre, Toronto, ON; ⁹Sunnybrook Research Institute, Toronto, ON

**H04** 17:30–17:45

**Accelerate Pheno™ System’s Potential Influence on Timeliness of Management Decisions for Patients with Positive Blood Cultures**

J GRANT, C Porter, M Charles, E Bryce, T Wong, S Aleksandra, D Roscoe

Vancouver Coastal Health, Vancouver, BC

**H05** 17:45–18:00

**Antimicrobial Stewardship in a Neonatal Intensive Care Unit: Impact of Daily Prospective Audit and Feedback on Management of Late-Onset Sepsis**

N THAMPI¹, PS Shah¹, A Agarwal¹, M Steinberg¹, S Nelson², AM Morris¹

¹Children’s Hospital of Eastern Ontario, Ottawa, ON; ²Sinai Health Systems, Toronto, ON

**H06** 18:00–18:15

**Antibiotic Prescribing by Family Physicians in Ontario and Predictors of Variability**

KL SCHWARTZ¹,², KA Brown¹,², J Etches¹, BJ Langford¹, K Tu¹, N Daneman¹,²,¼, J Johnstone¹,², V Leung¹, C Achenon¹, K Adomako¹, GE Garber¹,²,³,⁵

¹Public Health Ontario, Toronto, ON; ²University of Toronto, Toronto, ON; ³Institute for Clinical Evaluative Sciences, Toronto, ON; ⁴Sunnybrook Health Sciences Centre, Toronto, ON; ⁵University of Ottawa, Ottawa, ON

**16:45–18:15**

**Oral Presentations (1.5 hours)**

**Session I**

**Room:** Port McNeill

**Moderator:** Raymond Tellier *(CALGARY, AB)*

**I01** 16:45–17:00

**Stool Consistency Impacts Performance of the BD MAX Enteric Bacterial Panel**

L Orbien¹, J Wylie¹,², S Christianson³, A Reimer³, M Walker³, P Van Caeseele¹,², DC ALEXANDER¹,²

¹Cadham Provincial Laboratory, Winnipeg, MB; ²University of Manitoba Department of Medical Microbiology & Infectious Diseases, Winnipeg, MB; ³National Microbiology Laboratory, Winnipeg, MB

**I02** 17:00–17:15

**Evaluation of Flocked Rectal Swab Specimens for Use with the Biofire FilmArray® Gastrointestinal Panel in Children with Severe Gastroenteritis in Botswana**

L Kwana¹, M Mokomane², JM Pernica³, DM GOLDFARB¹,²,³,⁴

¹Botswana UPenn Partnership, Gaborone, Botswana; ²University of Botswana, Gaborone, Botswana; ³Department of Pediatrics, McMaster University, Hamilton, ON; ⁴Department of Pathology and Laboratory Medicine, BC Children’s Hospital, Vancouver, BC

**I03** 17:15–17:30

**Viability of Enteric Bacterial Pathogens in Stool Alone Compared to Transport Media**

BM BERENGER¹,², C Ferrato¹, L Chui¹,²

¹ Provincial Laboratory for Public Health, Calgary & Edmonton, AB; ²Calgary Laboratory Services, Calgary, AB; ³University of Calgary Department of Pathology and Laboratory Medicine, Calgary, AB; ⁴University of Alberta Department of Laboratory Medicine and Pathology, Edmonton, AB
**PROGRAM**

**Friday, May 4**

**104 17:30–17:45**
Evaluation of Novel Molecular Platforms for High-Throughput Detection of Respiratory Pathogens

K Mooder1, B Auk1, N Lowther1, R Hickman1, M Chan1, N Prystajecky1,2, L Hoang1,2, M Krajden1,2, A Jassem1,2
1 BC Centre for Disease Control Public Health Laboratory, Vancouver, BC; 2 University of British Columbia, Vancouver, BC

**105 17:45–18:00**
Evaluating the Performance of Different Commercial Screening Media for the Detection of Carbapenemase-Producing Enterobacteriaceae: Finding the Needle in a Haystack

A Cabrera1, N Skoko2, A Linkenheld-Struk2, F Parisian2, A Petrich1,2, Y Yau1,2
1 Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto, Toronto, ON; 2 Division of Microbiology, Department of Paediatric Laboratory Medicine, Hospital for Sick Children, Toronto, ON

**106 18:00–18:15**
Frequent Co-Isolation of *Staphylococcus aureus* and *Streptococcus pyogenes* from Wound Swabs Collected at Nursing Stations Serving Northern First Nations Communities in Manitoba

C Bogaty1, J Embil1, Y Keynan1, PR Lagacé-Wiens1,2, JA Karolsky1,2, P Orr1, A Walkty1,2
1 Department of Medical Microbiology and Infectious Diseases, Max Rady College of Medicine, University of Manitoba, Winnipeg, MB; 2 Diagnostic Services Manitoba, Winnipeg, MB

18:30 – 20:30
JAMMI Editorial Board Meeting

Room: Parksville

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**CFID Bug Run**

**4TH ANNUAL CFID BUG RUN**

Date: Saturday, May 5
Time: 07:00 – 08:30
(Depart Courtyard @ 06:45; walking to start-line)

Meet Location: Courtyard
(outside, near lobby), North Tower

Join your colleagues, friends, competitors or just challenge yourself to a Bug Run/Walk in support of the Canadian Foundation for Infectious Diseases’ charitable mission. *Win a prize!!*

Registration is $50. The CFID Bug Run will include both a 2.5K and 5K run along the Stanley Park seawall, with views of Sunset Beach and English Bay Beach.

The start will be on the east side of the Burrard Street Bridge, a 5-minute walk from the Sheraton Vancouver Wall Centre.

Online registration is available until midnight on May 4. Online registration also includes the option for participants to provide donations to CFID and to seek donations from friends and relatives.

On-site registration and race kit pick-up will be available at the CFID booth near the conference registration desk (3rd floor, North Tower) on Thursday and Friday, May 3-4. In addition, registration will be possible in the Courtyard (outside, near lobby) of the Sheraton Vancouver Wall Centre’s North Tower from 06:30-6:45, just prior to the group’s walking departure to the start line. The race begins at 07:00.

**Click here to register and keep posted about details.**

Routes:

- 2.5K
- 5K
### Saturday, May 5

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<th>Location</th>
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<td>07:00 – 08:30</td>
<td>CFID Bug Run</td>
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<td>07:15 – 08:45</td>
<td>Workshop (1 hour) &lt;br&gt; <strong>Targeted, Multiplex or Pan-Diagnostic Molecular Respiratory Testing: How does Automation, Technology and Workflow Impact Care?</strong></td>
<td>Junior Ballroom CD</td>
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<td><strong>Room:</strong> Junior Ballroom CD &lt;br&gt; <strong>Moderator:</strong> David Patrick (Vancouver, BC)</td>
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<td><strong>Targeted, Multiplex or Pan-Diagnostic Molecular Respiratory Testing: What are the Lessons Learned?</strong></td>
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<td><strong>Speaker:</strong> Mel Krajden (Vancouver, BC) &lt;br&gt; • Learn how automation affects quality and turnaround times &lt;br&gt; • Understand how Lab Developed Tests (LDTs) and commercial In Vitro Diagnostic Devices (IVDs) can co-exist to improve care</td>
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<td><strong>Are Pan-Diagnostic Molecular Tests a Panacea?</strong> &lt;br&gt; <strong>Speaker:</strong> Paul N. Levett (Vancouver, BC) &lt;br&gt; • Learn about challenges in using multiplex vs pan-diagnostic molecular respiratory tests from a public health perspective &lt;br&gt; • Outline the lessons learned on how to manage workflow during the influenza season</td>
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<tr>
<td>08:45 – 09:00</td>
<td>Break</td>
<td>Pavilion Ballroom Foyer</td>
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<tr>
<td>09:00 – 09:20</td>
<td>Poster and Research Awards Presentations &lt;br&gt; <strong>Room:</strong> Pavilion Ballroom</td>
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<tr>
<td>09:20 – 10:50</td>
<td>State of the Art Clinical Lecture (1.5 hours) &lt;br&gt; <strong>Point-of-Care (POC) Microbiology – Ready or Not, Here it Comes</strong> &lt;br&gt; co-developed with the European Society of Clinical Microbiology and Infectious Diseases (ESCMID)</td>
<td>Pavilion Ballroom</td>
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<td><strong>Room:</strong> Pavilion Ballroom &lt;br&gt; <strong>Moderator:</strong> Daniel B. Gregson (Calgary, AB)</td>
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<td>09:30 – 10:00</td>
<td>POC Microbiology Implementation in Real Life: A European Experience &lt;br&gt; <strong>Speaker:</strong> Maurizio Sanguinetti (Rome, Italy) &lt;br&gt; <strong>Objectives:</strong> &lt;br&gt; By the end of this session, participants should be able to: &lt;br&gt; • Describe setting up a POC microbiology laboratory in response to laboratory restructuring in a tertiary Hospital in Italy on the basis of the available scientific literature &lt;br&gt; • Summarize lessons learned from this experience relevant to Canadian microbiology laboratories</td>
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<td>10:00 – 10:30</td>
<td>A New E-POC-h for the Lab: Changing Paradigms for Microbiology &lt;br&gt; <strong>Speaker:</strong> Robin Patel (Rochester, MN) &lt;br&gt; <strong>Objectives:</strong> &lt;br&gt; By the end of this session, participants should be able to: &lt;br&gt; • Summarize the American Academy of Microbiology’s Report on POC in Microbiology: “Changing Diagnostic Paradigms for Microbiology” &lt;br&gt; • Identify key considerations from this report relevant to Canadian microbiology laboratories</td>
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<tr>
<td>10:30 – 10:50</td>
<td>Question &amp; Answer</td>
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<tr>
<td>11:00 – 12:15</td>
<td>Oral Presentations (1.25 hours) &lt;br&gt; <strong>Session J</strong>&lt;br&gt; <strong>Room:</strong> Pavilion Ballroom</td>
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<tr>
<td>J01 11:00–11:15</td>
<td>Estimating the Potential Health and Economic Impacts of Introducing Novel Influenza Vaccines into the Canadian Population &lt;br&gt; <strong>DN Fisman, AR Tuite</strong> (University of Toronto, Toronto, ON)</td>
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<td>J02 11:15–11:30</td>
<td>Pregnancy as a Risk Factor for Severe Influenza Infection: An Individual Participant Data Meta-Analysis &lt;br&gt; <strong>D Mertz1, CK Lo1, L Lytvyn1, JR Ortiz2, M Loeb1</strong> &lt;br&gt; 1McMaster University, Hamilton, ON; 2World Health Organization, Geneva, Switzerland</td>
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**Break**: Pavilion Ballroom Foyer

**Poster and Research Awards Presentations**: Pavilion Ballroom

**State of the Art Clinical Lecture**: Pavilion Ballroom

**Pre-Session Poll**: Pavilion Ballroom
PROGRAM

Saturday, May 5

**J03 11:30–11:45**
Evaluation of Adherence to Clinical Guidelines for the Prevention of Mother to Child Transmission of Hepatitis B and C in Manitoba Canada

S Chapman1, J Bullard1,2, S Kassim1, S Edagiz1, P VAN CAESEELE1,2, J Embree1

1University of Manitoba, Winnipeg, MB; 2Manitoba Health, Winnipeg, MB

**J04 11:45–12:00**
Final Results of the HPV Focal Cervical Cancer Screening Randomized Trial

M KRAJDEN1,2, D Cook1,3, D van Niekerk1,2, L Smith1, L Gondara1, R Martin1, G Stuart1, K Ceballos1, M Lee1, S Peacock1, K Green2, A Coldman2, G Ogilvie1

1Centre for Disease Control, Vancouver, BC; 2University of British Columbia, Vancouver, BC; 3BC Cancer Agency, Vancouver, BC

**J05 12:00–12:15**
PCV13 Herd Immunity in Canadian Adults Hospitalized with Community Acquired Pneumoniae: A study from the Serious Outcomes Surveillance (SOS) Network of the Canadian Immunization Research Network (CIRN)

JJ LEBLANC1, M ElSherif2, L Ye1, D Mackinnon-Cameron1, A Ambrose1, TF Hatchette1, ALS Lang1, H Gillis1, I Martin1, W Demczuk2, MK Andrew1, G Biovin3, M Loeb4,5, J Johnstone6, M Semeret6, S Trottier7, L Vaillante8, D Webster9, SA McNeill1

1Canadian Center for Vaccinology (CCfV), IWK Health Centre, Halifax, NS; 2National Microbiology Laboratory (NML), Winnipeg, MB; 3Centre Hospitalier Universitaire de Québec, Québec, QC; 4Vancouver General Hospital, and University of British Columbia, Vancouver, BC; 5Mount Sinai Hospital, Toronto, ON; 6McMaster University, Hamilton, ON; 7Ottawa Hospital General Campus, Ottawa, ON; 8McGill University Health Centre, Montréal, QC; 9Kootenay Boundary Regional Hospital, Trail, BC; 10Interior Health Authority, Kelowna, BC

**11:00–12:30**
Oral Presentations (1.5 hours)

Session K

**Room:** Junior Ballroom AB

**Moderator:** Inna Sekirov (Vancouver, BC)

**K01 11:00–11:15**
Identification of a Novel Metallo-ß-Lactamase, CAM-1, in Clinical Pseudomonas aeruginosa Isolates from Central Alberta

DA BOYD1, LF Lisboa2, TC Dingle3, R Rennie1, A Bharat1, MR Mulvey1

1Public Health Agency of Canada, Winnipeg, MB; 2Department Medical Microbiology & Immunology, University of Alberta, Edmonton, AB; 3Department Laboratory Medicine & Pathology, Faculty of Medicine, University of Alberta, Edmonton, AB

**K02 11:15–11:30**
Simultaneous Immunochromatographic Detection of Specific OXA-48-like, KPC and NDM-like Proteins in Species-Diverse Gram-Negative Bacilli (GNB) including Retrospective Carbapenemase-Producing Organisms (CPO) using Coris BioConcept’s RESIST-3 OKN K-SeT Assay

BM WILLEY1, M Al-Ani1, Y Sokolskyy2, E Osuji2, A Paterson1, DA Boyd1, T Mazzulli1,2, SM Poutanen1,4

1Mount Sinai Hospital/University Health Network, Toronto, ON; 2Michener Institute, Toronto, ON; 3National Microbiology Laboratory, Winnipeg, MB; 4University of Toronto, Toronto, ON

**K03 11:30–11:45**
Reduction of Intraoperative Culture Contamination Rates for Orthopedic Patients through Analytical and Post-Analytical Process Improvements

S RODGERS1,2, J Lyons1,2, C Nixon1,2, K Bittner1,2, T Chandler1,2, D Evdokimoff1,2, M Holm1,2, P Novak1,2, K Wooldridge1,2, B Wang1,2

1Kootenay Boundary Regional Hospital, Trail, BC; 2Interior Health Authority, Kelowna, BC

**K04 11:45–12:00**
Comparative Evaluation of Urine Specimen Processing by Total Laboratory Automation with Manual Methods

NP SANT1,2, V Deslandes1,2, M Desjardins1,2

1Eastern Ontario Regional Laboratory, Ottawa, ON; 2The Ottawa Hospital, Ottawa, ON; 3University of Ottawa, Ottawa, ON

**K05 12:00–12:15**
PROGRAM

Saturday, May 5

Impact of Reduced Incubation Times on Culture and Susceptibility Testing of Stool and Urine Cultures Incubated in the BD Kiestra Reada Compact Incubators

M DESJARDINS1,2, NP Sante1,2, M Miron-Celis, E Jéminas-Gonzalez

1Ottawa Hospital Research Institute, Ottawa, ON; 2University of Ottawa, Ottawa, ON

K06 12:15–12:30
Epidemiological, Molecular and Genomic Characterization of Carbapenemase-producing organisms (CPOs) in British Columbia (BC)

R RANASINGHE1, G Han1, R Azana2, K Short3, L Forrester4, J Collet5, J Morf6, B Ranns7, E Lloyd-Smith8, MA Croxen9, B Gamage1, E Bryca10, L Hoang10

1Provincial Infection Control Network of BC (PICNet), Vancouver, BC; 2BC Centre for Disease Control Public Health Laboratory, Vancouver, BC; 3Centers for Disease Control, Fraser Health Authority, Surrey, BC; 4Infection Prevention and Control, Vancouver Island Health Authority, Victoria, BC; 5Infection Prevention and Control, Vancouver Island Health Authority, Victoria, BC; 6Local Public Health Authority, Trial Counties, BC; 7BC Centre for Disease Control, Vancouver, BC; 8University of British Columbia, Vancouver, BC; 9Provincial Lab for Public Health, Edmonton, AB; 10UBC Department of Pathology and Lab Medicine, Vancouver, BC

11:00–12:30
Oral Presentations (1.5 hours)
Session L

Moderator: David Patrick (VANCOUVER, BC)

L01 11:00–11:15
Linked Data Show No Evidence of Increasing Use of Watch and Wait Strategy for Otitis Media

F Marra1, E Zhang2, A MAMUN1, DM Patrick1,2

1University of British Columbia, Vancouver, BC; 2Centre for Disease Control, Vancouver, BC

L02 11:15–11:30
A Nursing Led Intervention Aimed at Reducing Unnecessary Urine Culture Collection and Overtreatment of Asymptomatic Bacteriuria

L JORGONI1, Y Nakamachi1, M Steinberg2, AM Morris1,2

1University Health Network, Toronto, ON; 2Sinai Health System, Toronto, ON; 3University of Toronto, Toronto, ON

L03 11:30–11:45
Impact of Public Health Ontario’s Urinary Tract Infection Program on the Use of Antibiotics in Long-Term Care: An Antimicrobial Stewardship Intervention

K A BROWN1,2, A Chambers1, J Quirk1, BJ Langford1,3, V Leung1, S MacFarlane1, H Bedkowski1, KL Schwartz1,2, GE Garber1,2,4

1Public Health Ontario, Toronto, ON; 2University of Toronto, Toronto, ON; 3St. Joseph’s Health Centre, Toronto, ON; 4University of Ottawa, Ottawa, ON

L04 11:45–12:00
Treatment of Asymptomatic Bacteriuria in Elderly Patients with Delirium: A Systematic Review

A Suleman1, J Krakov2, P Joo2

1University of Ottawa, Ottawa, ON; 2St-Francis Memorial Hospital, Barry’s Bay, ON

L05 12:00–12:15
Clostridium difficile Colonization in Ontario (COLON): Acute Care Hospital Pilot Feasibility Study

J JOHNSTONE1, G Broukhanski2, K Adomako1, J Wang1, E Nadolny1, D Chau1, N Daneman2, K Katz1, C Vermeiren3, W Ciccolelli4, P Young1, A McGee1, J Barosko1, L Rosella1, S Weese1, V Allen1, GE Garber1

1University of Ottawa, Ottawa, ON; 2ICES, Toronto, ON; 3North York General Hospital, Toronto, ON; 4Grand River Hospital, Kitchener, ON; 5Mount Sinai Hospital, Toronto, ON; 6University of Guelph, Guelph, ON

L06 12:15–12:30
Response to Alert on Possible Infections with Mycobacterium chimaera from Contaminated Heater-Cooler Devices in Hospitals Participating in the Canadian Nosocomial Infection Surveillance Program (CNISP)

D MERTZ1,2, J Macri3, S Hota3, K Amaratunga1, J Davis1,6, BL Johnston1,3, BE Lee1,3,10, L Pelude1, M Science1,10, SW Smith1,10, A Wong1,10

1McMaster University, Hamilton, ON; 2Hamilton Health Sciences, Hamilton, ON; 3Dalhousie University, Halifax, NS; 4Queen Elizabeth II Health Sciences Centre, Halifax, NS; 5University of Alberta, Edmonton, AB; 6Alberta Health Services, Edmonton, AB; 7Hospital for Sick Children, Toronto, ON; 8University of Saskatchewan, Saskatoon, SK; 9Saskatoon Health Region, Saskatoon, SK
Saturday, May 5

12:30 – 13:30
Lunch and Learn: Best of ECCMID
– Highlights from the 2018 European Congress of Clinical Microbiology and Infectious Diseases
Room: Grand Ballroom
Speakers: Maurizio Sanguinetti (ROM, ITA)
Daniel B. Gregson (CALGARY, AB)

13:30 – 16:00
Plenary (2.5 hours)
What’s Hot in Adult and Paediatric Infectious Diseases, Infection Control and Diagnostic Microbiology?
Room: Pavilion Ballroom
Moderators: Carmen L. Charlton (EDMONTON, AB)
Titus Wong (VANCOUVER, BC)

13:30 – 14:10
What’s Hot in Adult Infectious Diseases?
Speaker: Wayne G. Ghesquiere (VICTORIA, BC)
Objectives:
By the end of this session, participants should be able to:
• Discuss the hot or challenging current areas in clinical infectious disease in both outpatient and inpatient settings
• Review the pertinent evidence surrounding these topics
• Discuss ancillary issues raised by these topics such as: economic, public health or infection control concerns

14:10 – 14:50
What’s Hot in Paediatric Infectious Diseases?
Speaker: Sergio Fanella (WINNIPEG, MB)
Objectives:
By the end of this session, participants should be able to:
• Discuss new developments in the field of paediatric infectious disease over the last year
• Appreciate how these will impact the patients they serve

14:50 – 15:20
Hot Topics in Infection Control: The Adventure Never Ends
Speaker: John M. Embil (WINNIPEG, MB)
Objectives:
By the end of this session, participants should be able to:
• List new relevant issues in Infection Prevention and Control
• Appreciate emerging pathogens in health care facilities
• Have fun!

15:20 – 16:00
What’s Hot in Diagnostic Microbiology?
Speaker: Julianne V. Kus (TORONTO, ON)
Objectives:
By the end of this session, participants should be able to:
• Identify new developments in the literature on topics related to clinical microbiology
• Discuss current and upcoming technology changes that will impact your laboratory and results generation
• Summarize new recommendations for susceptibility testing especially as it pertains to challenging microorganisms

16:00 – 16:15
Break
Room: Pavilion Ballroom Foyer

16:15 – 17:45
Clinical Vignettes
Room: Pavilion Ballroom
Moderators: Sarah Forgie (EDMONTON, AB)
Gerald A. Evans (KINGSTON, ON)

Discussants:
Daniel M. Goldfarb (VANCOUVER, BC)
Linda Hoang (VANCOUVER, BC)
Victor Leung (VANCOUVER, BC)

Cases:
On a Walk Through the Tall Grass presented by Brandyn Chase (SAINT JOHN, NB)
A Gnawing Problem presented by David N. Fisman (TORONTO, ON)
When an Abscess Isn’t Just an Abscess presented by Alexander Lawandi (MONTRÉAL, QC)
Not So Pretty in Pink presented by Michaeline McGuinty (OTTAWA, ON)
Gnat Again! presented by Dale Purych (SURREY, BC)

The audience, using an audience response system, along with discussants, will work through the cases to try and solve them.
SAVE THE DATE!

April 3-6 / 3-6 avril
The Westin Ottawa

OTTAWA 2019

Conférence annuelle AMMI Canada – CACMID Annual Conference
Poster Presentations

**Thursday, May 3**

**Room:** Grand Ballroom

**Poster Viewing:**

- 12:30 - 14:30 **Lunch**
- 12:30 - 14:30 **Student Poster (SP) Judging** (presenters at posters)
- 12:30 - 14:30 **Poster (PT) Viewing** (presenters at posters)

- 17:15 - 19:00 **Meet & Greet Reception**
  - Student Poster (SP) Viewing
  - Poster (PT) Viewing

**Friday, May 4**

**Room:** Grand Ballroom

**Poster Viewing:**

- 11:00 - 12:00 **Morning Break**
  - Poster (PF) Viewing (presenters at posters)

- 12:00 - 14:00 **Lunch** (service begins at 12:15)
  - Poster (PF) Viewing
  - Poster (Friday) Presentations (PF01 – PF90)
**Poster Presentations**

### Student Posters

**SP01**
Prospective Evaluation of Oxoid’s New Selective Bi-plate Consisting of MacConkey-Cefpodoxime (McPOD) and MacConkey-Meropenem (McMEM) Agars to Screen for Carbapenemase Producing Organisms (CPO) from Surveillance Swabs

Y Sokolskyy1, BM Willey2, XA Li3, A Paterson2, R Inez2, W Chi4, DA Boyd4, M McConnell2, P Lo5, T Mazzulli1,5, SM Poutanen1,2

1Michener Institute, Toronto, ON; 2Mount Sinai Hospital/University Health Network, Toronto, ON; 3William Osler Health Sciences Centre, Brampton, ON; 4National Microbiology Laboratory, Winnipeg, MB; 5University of Toronto, Toronto, ON

**SP02**
In Silico Spoligotyping of Mycobacterium tuberculosis complex: Transitioning into a Whole Genome Molecular Epidemiology Future

A Cabrera1, T Athey1, C Duncan1, JL Guthrie1, K Lam1, D Psyk1, J Ma1, FB Jamieson1,2

1Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto, Toronto, ON; 2Public Health Ontario, Toronto, ON

**SP03**
Molecular Epidemiological Investigation of an Ontario Mumps Outbreak using Whole Genome Sequencing

PJ Stapleton1,2, A Eshagh1, E Chong-King1, M Cardona1, S Masney1, A Li1, JB Gubbay1,2, S Patel1,3

1Public Health Ontario Laboratories, Toronto, ON; 2The Hospital for Sick Children, Toronto, ON; 3University of Toronto, Toronto, ON

**SP04**
Novel Methodology for Same-Day Susceptibility Testing for Optimized Management of Patients with Gram Negative Rod Bacteremia

CA Hogan1, I Budytyiene1, N Watzi1, N Banai1,2

1Stanford University, Palo Alto, CA, USA; 2Stanford Clinical Microbiology Laboratory, Palo Alto, CA, USA

**SP05**
Streamlining Susceptibility Testing for Streptococcus anginosus to Increase Laboratory Efficiency

YM Vincent1, D Leto1,2, C Main1,2

1Microbiology Residency Program, McMaster University, Hamilton, ON; 2Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 3McMaster and Hamilton Regional Laboratory Medicine Program, Hamilton, ON

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**SP06**
Optimizing Vitek2 Antimicrobial Susceptibilities Reporting Workflow: A Quality Assurance Project

A Hadzic1, C Main2,3, D Johnson1

1PGY3 Medical Microbiology, Laboratory Medicine Residency Training Program, Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 2Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 3Hamilton Regional Laboratory Medicine Program, Hamilton, ON

**SP07**
Comparison of Streptococcus pneumoniae Serotype 3-ST180 Isolates Collected from Canada and the United States Pre- and Post-PCV-13 Introduction

AR Golden1, HJ Adam1,2, I Martin1, W Demczuk3, K Nichol1, JB Gubbay1, PN Levett5, MR Mulvey1,2, JAR Karlovsky3,2, GG Zhanel1

1University of Manitoba, Winnipeg, MB; 2Diagnostic Services Manitoba, Winnipeg, MB; 3National Microbiology Laboratory, Winnipeg, MB; 4Public Health Ontario, Toronto, ON; 5Saskatchewan Disease Control Laboratory, Regina, SK

**SP08**
Hepatitis B Testing Practices at a Tertiary Care Centre and their Associated Costs

A Lawandi1, MP Cheng1,2, TC Lee1

1McGill University Health Centre, Montreal, QC; 2Brigham and Women’s Hospital, Harvard University, Boston, MA, USA

**SP09**
T cell Kinase Activity is Affected by LAG3, an Immune Checkpoint that Impairs Immunity during Chronic Infectious Disease

CG Graydon1, J Lajoie1, J Kindrachuk1, KR Fowke1,2

1University of Manitoba, Winnipeg, MB; 2University of Nairobi, Nairobi, Kenya

**SP10**
Prolonged Vancomycin for Secondary Prophylaxis of Relapsing Clostridium difficile Infection

K Zhang1, P Beckett2, S Abouanaser2, C Lee3,4, S Mieja2,3,5

1Bachelor of Health Sciences Program, McMaster University, Hamilton, ON; 2St. Joseph’s Healthcare Hamilton, Hamilton, ON; 3Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 4Royal Jubilee Hospital, Victoria, BC; 5Michael G. DeGroote Institute of Infectious Diseases Research, McMaster University, Hamilton, ON

**SP11**
Burden of Antimicrobial Resistance in Community Acquired Urinary Tract Infection in the Emergency Room Setting

A Kapoor1, A Shroff1, D Mertz1

1McMaster University, Hamilton, ON

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**SP06**
Optimizing Vitek2 Antimicrobial Susceptibilities Reporting Workflow: A Quality Assurance Project

A Hadzic1, C Main2,3, D Johnson1

1PGY3 Medical Microbiology, Laboratory Medicine Residency Training Program, Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 2Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 3Hamilton Regional Laboratory Medicine Program, Hamilton, ON

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1University of Manitoba, Winnipeg, MB; 2Diagnostic Services Manitoba, Winnipeg, MB; 3National Microbiology Laboratory, Winnipeg, MB; 4Public Health Ontario, Toronto, ON; 5Saskatchewan Disease Control Laboratory, Regina, SK

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1McGill University Health Centre, Montreal, QC; 2Brigham and Women’s Hospital, Harvard University, Boston, MA, USA

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1University of Manitoba, Winnipeg, MB; 2University of Nairobi, Nairobi, Kenya

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K Zhang1, P Beckett2, S Abouanaser2, C Lee3,4, S Mieja2,3,5

1Bachelor of Health Sciences Program, McMaster University, Hamilton, ON; 2St. Joseph’s Healthcare Hamilton, Hamilton, ON; 3Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 4Royal Jubilee Hospital, Victoria, BC; 5Michael G. DeGroote Institute of Infectious Diseases Research, McMaster University, Hamilton, ON

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**SP11**
Burden of Antimicrobial Resistance in Community Acquired Urinary Tract Infection in the Emergency Room Setting

A Kapoor1, A Shroff1, D Mertz1

1McMaster University, Hamilton, ON
**Poster Presentations**

**SP12**
Increased Prevalence of Bloodborne Infection in Individuals with a History of Antipsychotic Medication Use: A Population-Based Evaluation
A AWAN, S Shakik, DN Fisman
*University of Toronto, Toronto, ON*

**SP13**
Severe Facial Necrosis in a Type 1 Diabetic Secondary to Mucomycosis Masquerading as an Internal Maxillary Artery Occlusion: A Case Report
F MANJI1, JC Lam1, B Meatherall1, D Church2, B Missaghi1
1*University of Calgary, Calgary, AB; 2Calgary Lab Services, Calgary, AB*

**SP14**
Comprehending iNKT Cell Functionality and Immune Restoration in Infectious Disease
A BALASKO1, CG Graydon1, MM Kowatsch1, J Juno2, J Lajoie1,3, KR Fowke1,14
1*Department of Medical Microbiology and Infectious Diseases, University of Manitoba, Winnipeg, MB; 2Department of Microbiology and Immunology, University of Melbourne, Melbourne, Victoria, Australia; 3Department of Community Health Sciences, University of Manitoba, Winnipeg, MB; 4Department of Medical Microbiology, University of Nairobi, Nairobi, Nairobi County, Kenya*

**SP15**
Population Based Epidemiology of *Klebsiella* species Bloodstream Infection in the Western Interior of British Columbia
CB REID, K Pasquill, L Steele, EC Parfitt, KB Laupland
*Royal Inland Hospital, Kamloops, BC*

**SP16**
Daptomycin Use in Adult Inpatients at two Canadian Tertiary Care Hospitals
JD TILAK1, D Mertz2,1, N Irfan1, A Brooks2
1*McMaster University, Hamilton, ON; 2Hamilton Health Sciences, Hamilton, ON*

**SP17**
Survey of Antimicrobial Susceptibility of *Escherichia coli* Colonizing Dogs with Cancer in Saskatoon
Y RAJAPAKSHA, M Sniatyński, V MacDonald-Dickinson, JE Rubin
*University of Saskatchewan, Saskatoon, SK*

**SP19**
Comparison of Smudge Plate and Direct Cell Pellet Methods for Rapid MALDI-TOF/MS Bacterial Identification from Positive Sterile Body Fluids and Blood Cultures
M HASSO1, M Chan2, C Castano3, C Goswell1, Y Yau1,2
1*Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto, Toronto, ON; 2Division of Microbiology, Department of Paediatric Laboratory Medicine, Hospital for Sick Children, Toronto, ON*

**SP20**
The Clinical Impact of RSV and hMPV Amongst Hospitalized Adults as Compared to Influenza A: A Retrospective Chart Review
IF MCNAMARA1, L Mbuagbaw1, M Loeb1,2,3, M Smieja1,2
1*Department of Health Research Methods, Evidence and Impact, McMaster University, Hamilton, ON; 2Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 3Institute for Infectious Disease Research, McMaster University, Hamilton, ON*

**SP21**
Optimizing Time to Identifying Growth from Short Incubation Cultures using WASPLab™ (Copan, Italy)
KR BARKER1,2, M Kissoon1, M McConnell1, BM Willey1, P Lo1, T Mazzulli1,2, SM Poutanen1,2
1*Mount Sinai Hospital/University Health Network, Toronto, ON; 2University of Toronto, Toronto, ON*

**SP22**
ABSTRACT WITHDRAWN

**SP23**
Improved Test and Antimicrobial Utilization at Kelowna General Hospital (KGH) with Implementation of Simplexa™ HSV 1 & 2 Direct PCR Assay and Microbiologist Case Review
A DEGELDER1,2, P Calissi2, B Wang2,3, E Blondel-Hill2,3, A Wilmer1,3
1*University of British Columbia Okanagan, Kelowna, BC; 2Kelowna General Hospital, Kelowna, BC; 3University of British Columbia, Vancouver, BC*

**SP24**
Assessment of Identification Methods for *Candida auris* in Microbiology Laboratories in British Columbia
EJ ECKBO1,2, V Tang1, D Roscoe3,1, M Charles1, C Fletcher, C Porter3, MG Romney4,1, S Champagne2,3,4, J Bilawka1, B Wang1,3, P Kibsey6, MR Imperial1,2, R Reyes1,2, S Masud2, A Purdy6, B Mack1,8, A Minhas1, K Mannan1, S Dhaliwal1, P Tilley2,3, L Hoang1,2
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Poster Presentations

**SP25**
Epidemiology and Transmission Characteristics Associated with *Escherichia coli* (EC) Infection in Cystic Fibrosis (CF) Patients: A Cohort Study
BD EDWARDS1, J Greyson-Wong1, R Somayaji1, B Waddell1, DG Storey1, MG Surette1, HR Rabin1, MD Parkins1
1University of Calgary, Calgary, AB; 2McMaster University, Hamilton, ON

**SP26**
Whole Genome Sequencing Provides New Insights to Tuberculosis Transmission Over a 10-year Period in British Columbia, Canada
JL GUTHRIE1, C Kong2, D Roth3, M Rodrigues4, T Walker4, D Foster4, P Tang5, V Cook3, 36 J Johnston3, 36 JL Gardy1, 36
1School or Population and Public Health, University of British Columbia, Vancouver, BC; 2British Columbia Centre for Disease Control, Public Health Laboratory, Vancouver, BC; 3British Columbia Centre for Disease Control, Vancouver, BC; 4Nuffield Department of Clinical Medicine, University of Oxford, Oxford, United Kingdom; 5Department of Pathology, Sidha Medical and Research Center, Doha, Qatar; 6Respiratory Medicine, University of British Columbia, Vancouver, BC

**SP27**
The Genomic Epidemiology of Invasive Meningococcal Disease caused by *Neisseria meningitidis* ST-154 in Canada
V TRAN1, J Wei1, T Hilderman1, RSW Tsang1, P Van Caeseele1, 2, DC Alexander1, 2
1Department of Medical Microbiology and Infectious Diseases, University of Manitoba, Winnipeg, MB; 2Manitoba Health, Seniors and Active Living, Winnipeg, MB

**SP28**
A Province-Wide Lookback Review of *Mycobacterium avium* Complex (MAC) Clinical Isolates and Cardiovascular Procedures in Alberta as a Case Finding Strategy for *M. chimaera* Infections
N QURESHEL1, G Tyrrell2, 3, K Bush1, J Leal1, 3, A Crocker1, 3, BE Lee1, 3, G Taylor1, 3, SW Smith1, 3, AM Joffe1, 4, JV Vayalamkal1, 3, T Louie1, 3, JM Conly1, 5
1University of Calgary, Calgary, AB; 2ProLab Alberta, Edmonton, AB; 3University of Alberta, Edmonton, AB; 4Infection Prevention and Control, Alberta Health Services, Edmonton, AB; 5Infection Prevention and Control, Alberta Health Services, Calgary, AB

**SP29**
Visceral Leishmaniasis Causing Hemophagocytic Lymphohistiocytosis in an Immunocompromised Patient: A Case Report
V WEAVER1, J Grossman1, T Fourie2, B Meatherall1
1University of Calgary, Calgary, AB; 2Foothills Medical Centre, Calgary, AB

**SP30**
Sustainability of Antimicrobial Stewardship Initiatives on Outcomes in a General Medicine Service
M ALHARBI1, L Bélisle2, 3, R Zvonar2, 3, C Nott1, 3, K Suh1, 3
1Division of Infectious Diseases, Department of Medicine, University of Ottawa, Ottawa, ON; 2Department of Pharmacy, The Ottawa Hospital (TOH), Ottawa, ON; 3Ottawa Hospital Research Institute, Ottawa, ON

**SP31**
The Clinical Impact of Multiplex Respiratory Virus Testing on Antibiotic Use Among Young Children Hospitalized for Bronchiolitis: A Retrospective Cohort Study
M MAGYAR1, M Lavender2, M Moustaqim-Barrette1, C Caya3, O Schneider4, P Fontela4, J Papenburg4
1Pediatrics, Montréal Children’s Hospital, McGill University Health Centre, Montréal, QC; 2McGill University, Montréal, QC; 3Research Institute of the McGill University Health Centre, Montréal, QC; 4Pediatric Critical Care, Montréal Children’s Hospital, McGill University Health Centre, Montréal, QC; 5Pediatric Infectious Diseases and Medical Microbiology, Montréal Children’s Hospital, McGill University Health Centre, Montréal, QC

**SP32**
ABSTRACT WITHDRAWN

**SP33**
Characterization of Foodborne Outbreaks Involving *Salmonella enterica* serovar Enteritidis in Québec using Advanced Whole Genome Sequence (WGS) Based Methods for Outbreak Detection and Outbreak Responsible Strain Identification
V USONGO1, 2, C Berry1, DM Tremblay1, S Moineau1, K YouNFL, F Doualla-Bell1, E Fournier1, J-GE Rheault5, J Jeukens5, I Kukavica-Ibrulj1, B Boyle1, C Nadon1, R Levesque1, L Goodridge1, S Bekal1, 6
1Laboratoire de Santé Publique du Québec, Sainte-Anne-de-Bellevue, QC; 2Department of Food Science and Agricultural Chemistry, McGill University, Sainte-Anne-de-Bellevue, QC; 3National Microbiology Laboratory, Public Health Agency of Canada, Winnipeg, MB; 4Département de Biochimie, de Microbiologie et de Bioinformatique, Université Laval, Québec, QC; 5Institut de Biologie Intégrative et des Systèmes (IBIS), Université Laval, Québec, QC; 6Département de Microbiologie, Infectiologie et Immunologie, Université de Montréal, Montréal, QC

**SP34**
Insights on the Transmission of Multiple Drug-Resistant Bacterial Lineages from the Analysis of Regional Nursing Homes in Michigan
J WANG, A Pirani, L Mody, E Snitkin
University of Michigan, Ann Arbor, MI, USA
Poster Presentations

**SP35**
Real-time RT-PCR Detection of Influenza A, Influenza B and RSV: Comparison of Seegene Allplex and Roche LightMix Respiratory Viral Panels
A MAHOVIC1, B Wang2,3, S Whitehead1, A Jassem1,2,4, K Gunadasa5, R Chow6, A Wilmer1,2,3
1University of British Columbia Okanagan, Kelowna, BC; 2University of British Columbia, Vancouver, BC; 3Kelowna General Hospital, Kelowna, BC; 4BCCDC Public Health Microbiology & Reference Laboratory, Vancouver, BC

**SP36**
Retrospective Analysis of Time to Identification and Antimicrobial Susceptibility Testing of Bacterial Isolates from Wound Specimens Pre- and Post-Kiestra Total Laboratory Automation (TLA) Implementation in a Large Tertiary Care Hospital
V DESLANDES1,2,3, NP Sant1,2,3, M Desjardins1,2,3
1University of Ottawa, Ottawa, ON; 2The Ottawa Hospital, Ottawa, ON; 3Eastern Ontario Regional Laboratory Association, Ottawa, ON

**SP37**
Pediatric Physician Knowledge and Attitudes About Antimicrobial Use
R KAN1, J Vayalumkal2,3, N Rajapakse4
1Department of Pediatrics, Resident, Alberta Children’s Hospital, Calgary, AB; 2Section of Infectious Diseases, Department of Pediatrics, Cumming School of Medicine, Calgary, AB; 3Alberta Children’s Hospital Research Institute, Calgary, AB; 4Infection Prevention and Control, Calgary, AB

**SP38**
Lessons from the Laboratory: Identifying Opportunities for Improvement in Laboratory Management following Repeated Exposure to *Burkholderia pseudomallei*
LO PARKES1,2, MP Cheng1, A Weiss, GJ Zaharatos1,2
1Division of Infectious Diseases, Department of Medicine and Division of Medical Microbiology, Department of Clinical Laboratory Medicine, Jewish General Hospital, Montreal, QC; 2Division of Infectious Diseases, Department of Medicine and Division of Medical Microbiology, Department of Clinical Laboratory Medicine, McGill University Health Centre, Montreal, QC; 3Royal Victoria Hospital, Montréal, QC

**SP39**
Hepatitis C Cascade of Care in Alberta, Canada
CR O’NEIL1, E Buss2, S Plitt3, M Osman4, CS Coffin5, C Charlton6, S Shafran1
1Division of Infectious Diseases, University of Alberta, Edmonton, AB; 2School of Public Health, University of Alberta, Edmonton, AB; 3Public Health Agency of Canada, Edmonton, AB; 4Alberta Health Services, Edmonton, AB; 5Calgary Liver Unit, Division of Gastroenterology and Hepatology, University of Calgary, Calgary, AB; 6Provincial Laboratory for Public Health, Edmonton, AB

**SP40**
Enteroviral Infection Leads to Cytoplasmic Mislocalization of TDP-43 in Mouse Brain
YC XUE1,2, G Fung1,3, Y Mohamud4,5, J Zhang1, R Feuer1, N Cashman4,5, H Luo1,3
1Centre for Heart Lung Innovation, St. Paul’s Hospital, Vancouver, BC; 2Department of Pathology and Laboratory Medicine, UBC, Vancouver, BC; 3Department of Biology, San Diego State University, San Diego, CA, USA; 4The Centre for Brain Research, University of British Columbia, Vancouver, BC; 5Department of Neurology, University of British Columbia, Vancouver, BC

**SP41**
Differences in Clinical Characteristics and Outcomes for Hospitalizations Associated with Candidemia in Infants and Older Children: A Population-Based Study
K MPONPONSUO, E Rennert-May, SD Vaughan, R Somayaji
University of Calgary, Calgary, AB

**SP42**
The Cost-effectiveness of Vancomycin-Resistant Enterococcus (VRE) Screening and Isolation in Ontario
S MAC1, T Fitzpatrick2, J Johnstone1,3,4, B Sander4,5,6
1Institute of Health Policy, Management and Evaluation, University of Toronto, Toronto, ON; 2Dalla Lana School of Public Health, University of Toronto, Toronto, ON; 3Department of Medicine, University of Toronto, Toronto, ON; 4Public Health Ontario, Toronto, ON; 5University Health Network, Toronto, ON; 6Institute for Clinical Evaluative Sciences, Toronto, ON

**SP43**
Multicentre Observational Study of Hand Hygiene Opportunities Across Medical and Surgical Inpatient Units
D NAYYAR1, C Moore2, L McCricket3, C Garvida4, E Xu5, A Kiss5, D Ricciuto1, A McGeer1, JA Leis1,3,5,6
1Department of Medicine, University of Toronto, Toronto, ON; 2Division of Infection Control, Mount Sinai Hospital, Toronto, ON; 3Sunnybrook Research Institute, Sunnybrook Health Sciences Centre, Toronto, ON; 4Infection Prevention and Control, Lakeridge Health, Oshawa, ON; 5Centre for Quality Improvement and Patient Safety, University of Toronto, Toronto, ON; 6Division of Infectious Diseases, Sunnybrook Health Sciences Centre, Toronto, ON

**SP44**
Epidemiology and Outcome Determinants of *Staphylococcus aureus* Bacteremia: A Population Based Study
JC LAM, S Robinson, DB Gregson, R Somayaji, L Weilkovitch, JM Conly, MD Parkins
University of Calgary, Calgary, AB

**SP45**
The Burden of Coronavirus in a Tertiary Care Centre
RA KOZAK1,2, K Bozek1, L Yip2, S Mubareka1,2
1Sunnybrook Health Sciences Centre, Toronto, ON; 2University of Toronto, Toronto, ON
Poster Presentations

**SP46**
Seasonal Dynamics of Invasive Meningococcal Disease: Using Case-Crossover Methods to Identify Temporal Associations with Environmental Conditions and Influenza Virus

AN SALOMON, I Berry, AR Tuite, DN Fisman
Dalla Lana School of Public Health, University of Toronto, Toronto, ON

**SP47**
Seasonal Dynamics of Invasive Pneumococcal Disease in Canada: Using Case-Crossover Methods to Identify Temporal Associations with Environmental Conditions and Respiratory Viruses

I BERRY, AN Salomon, AR Tuite, DN Fisman
Dalla Lana School of Public Health, University of Toronto, Toronto, ON

**SP48**
Antifungal Susceptibility of Clinical Candida species Isolates from Northern Alberta, 2016–2017

A BELLO1, B Jansen2, J Fuller2, TC Dingle1,2
1University of Alberta, Edmonton, AB; 2Provincial Laboratory, Alberta Health Services, Edmonton, AB

**SP49**
Characteristics of Patients with Symptomatic Urinary Tract Infections Following a Voiding Cystourethrogram from 2013–2017

E VAUGON1,2, YM Ouyang1, A Daoust1, N Desmarais1, M Vincent1, C Quach1
1Infection Prevention and Control Unit, CHU Ste-Justine, Université de Montréal, Montréal, QC; 2McGill University, Montréal, QC

**SP50**
Impact of Antimicrobial Stewardship Rounds on Infectious Diseases Consultations in an Adult, Medical-Surgical Intensive Care Unit

H AADLAND1, J Kosar2, S Peer Mohamed1,2
1Department of Medicine, University of Calgary, Calgary, AB; 2Fraser Health Authority, Surrey, BC

**SP51**
Detection of Asymptomatic Clostridium difficile Amongst Hemodialysis Patients

J MACIEJEWSKI1, K Luinstra1, DJ Speicher1,2, PA Jayaratne1,2, M Smieja1,2
1Department of Laboratory Medicine, St. Joseph’s Healthcare Hamilton, Hamilton, ON; 2Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON

**SP52**
Risk Factors Associated with Bloodstream Infections in End-Stage Renal Disease Patients: A Population-Based Study

G DAGASSO1, J Conley1, EC Parfitt1, K Pasquill1, L Steele1, KB Laupland2
1Faculty of Science, Thompson Rivers University, Kamloops, BC; 2Royal Inland Hospital, Kamloops, BC

**SP53**
Risk Factors Associated with Roommate Transmission of NDM-1 Klebsiella pneumoniae

T WONG, SW Smith
University of Alberta, Edmonton, AB

**SP54**
Adherence to HBV Guidelines in the HIV/HBV Coinfected Patient: A Single Center Study

G AMBARAGHASSI, V Martel-Laferrière
Centre Hospitalier de l’Université de Montréal, Montréal, QC

**SP55**
Prevalence and Clinical Correlation of Indeterminate Clostridium difficile Tests Utilizing a 2-Step Algorithm

J ZOU1, V Leung1, S Champagne2,3, M Hinch1, E Lloyd-Smith1, MG Romney1, A Sharma1, M Payne1,2, CF Lowe1,3
1Max Rady College of Medicine, University of Manitoba, Winnipeg, MB; 2Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC; 3Providence Health Care, Vancouver, BC

**SP56**
A Case of Coccidioides posadasii meningoencephalitis in an Immunocompetent Patient in Calgary, Alberta

R LANG1, W Stokes2, J Lemaire1, A Johnson3, JM Conly4
1Department of Medicine, Cumming School of Medicine, University of Calgary, Calgary, AB; 2Department of Medicine, Cumming School of Medicine, University of Calgary and Alberta Health Services, Calgary, AB; 3Department of Medicine & Infectious Diseases, Cumming School of Medicine, University of Calgary and Alberta Health Services, Calgary, AB; 4Department of Medicine, Immunology & Infectious Diseases, Pathology & Laboratory Medicine, Cumming School of Medicine, University of Calgary and Alberta Health Services, Calgary, AB

**SP57**
Variation in Antimicrobial Use Across 127 Intensive Care Units in Ontario, Canada

E LEE1, M Steinberg2, CM Bell2, ME Detsky1,2, AM Morris1,2
1University of Toronto, Toronto, ON; 2Sinai Health System, Toronto, ON

**SP58**
Factors Influencing the Provision of an Antibiotic for Treating Enteric Infections

B DOUGHERTY1,2, R Finley1, A Nesbitt1, D Dumoulin1, A Pavletic1, T Hluchy4, R Asplin1, J Stone1
1Public Health Agency of Canada, Guelph, ON; 2University of Guelph, Guelph, ON; 3Middlesex-London Health Unit, London, ON; 4Alberta Health Services, Calgary, AB; 5Fraser Health Authority, Surrey, BC
Poster Presentations

**SP59**
Comparison of One-Stage Versus Two-Stage Revisions for Chronic Infections of Total Joint Arthroplasties
A Clark1, A Clark1, S Gaulton2, D Smyth2,3
1Dalhousie Medicine New Brunswick, Saint John, NB; 2The Moncton Hospital, Moncton, NB

**SP60**
Antimicrobial Utilization Data: Does Point Prevalence Data Correlate with Defined Daily Doses (DDD)?
SB Lee1, D Thirion1, N Ifran1, M Sung1, A Brooks1, C Frenette1, D Mertz1
1McMaster University, Hamilton, ON; 2Université de Montréal, Montréal, QC; 3McGill University, Montréal, QC

**SP61**
Bacteriophages Associated with Clostridium difficile Infection
Dj Speicher1,2, K Luinstra2, M Smieja1,2
1McMaster University, Hamilton, ON; 2St. Joseph’s Healthcare Hamilton, Hamilton, ON

**SP62**
Impact of the BioFire FilmArray® Respiratory Panel on Time in Isolation, Antibiotic Prescribing and Use of Ancillary Chest Imaging at a Tertiary Care Hospital
LL Li1, D Roscoe2, W Zhang1,4, T Mohammadi1, E Connolly2, D Guh1, A Stefanovic1,2, L Machado, A Woodacre1,4, G Marsden1,2
1University of British Columbia, Vancouver, BC; 2Vancouver General Hospital, Vancouver, BC; 3Centre for Health Evaluation and Outcome Sciences, Vancouver, BC; 4University of British Columbia School of Population and Public Health, Vancouver, BC

**SP63**
Using Newborn Screening Results to Evaluate for Adverse Effects of HIV and Antiretroviral Exposures in HIV-Exposed Uninfected Infants
S Alghamdi1, J Bowes, L Samson, J Brophy
Children’s Hospital of Eastern Ontario, Ottawa, ON

**SP64**
The Effect of Timing of Oseltamivir Chemoprophylaxis in Controlling Influenza A H3N2 and Influenza B Outbreaks in Long Term Care Facilities in Manitoba, Canada, 2014–2015: A Retrospective Cohort Study
DH Singh1,2, D Jiang, P Van Caeseele1,2, C Loeppky1,3
1University of Manitoba, Winnipeg, MB; 2Cadham Provincial Laboratory, Winnipeg, MB; 3Manitoba Health, Seniors and Active Living, Winnipeg, MB

**SP65**
Analysis of the Genomic Diversity of Campylobacter jejuni Lipooligosaccharide Biosynthesis Locus
A Hameed1, L Machado, A Woodacre, G Marsden
University of Northampton, Northampton, United Kingdom

**SP66**
Disseminated Cryptococcosis in a Patient with Untreated Chronic Lymphocytic Leukemia: A Case Report and Literature Review
A Suleman1, R Padmore1, J Cowan1,2
1University of Ottawa, Ottawa, ON; 2Division of Hematopathology, The Ottawa Hospital, Ottawa, ON

**SP67**
Pediatric Tuberculosis, Failure of Diagnosis and Appropriate Isolation in a Pediatric Emergency Department Setting
FA Al Dubisi1, H Kitai, M Science, R Lam
Sick Kids Hospital, Toronto, ON

**SP68**
The Effects of Repeated Solvent use on the Immune System: Implications for Infections Diseases
MM Kowatsch1, M Ormond1,2,3,4, I Gorn2,4, M Desjardins1,2,3,4
1University of Manitoba, Winnipeg, MB; 2Sunshine House, Winnipeg, MB

**SP69**
Re-drawing the Map: Endemic Histoplasmosis in Alberta
AP Sonpar, L Saxinger
University of Alberta, Edmonton, AB

**SP70**
Identification and Clinical Significance of Klebsiella pneumonia (KP), Klebsiella variicola (KV) and Klebsiella quasipneumoniae (KV): Comparison between MALDI-TOF MS and Molecular Methods
J Gosal1,2,3, NP Sant1,2,3,4, L Gorn1,2,3,4, M Desjardins1,2,3,4
1The Ottawa Hospital, Ottawa, ON; 2Eastern Ontario Regional Laboratory Services, Ottawa, ON; 3University of Ottawa, Ottawa, ON; 4Ottawa Hospital Research Institute, Ottawa, ON
Poster Presentations

**Posters (Thursday)**

**PT01**
**Antibiotic Prophylaxis in Cardiac Surgery: A Cluster-Randomized Factorial Cross-Over Pilot Study**  
RB van Oostveen, A Romero-Palacios, R Whitlock, S Connolly, M Loeb, D MERTZ  
McMaster University, Hamilton, ON

**PT02**
**Use of Modified Delphi Method to Plan Knowledge Translation: An Application in the Field of Antimicrobial Resistance and Antimicrobial Use**  
JH CURRAN1,2, A Mamun1  
1BC Centre for Disease Control, Vancouver, BC; 2University of British Columbia, Vancouver, BC

**PT03**
**Variation in Screening and Isolation Practices for Vancomycin-resistant Enterococcus Among Hospitals in the Canadian Nosocomial Infection Surveillance Program (CNISP)**  
SW SMITH1, K Amarantunga2, JM Conly3, J Embil4, GG Golding5, C Lybeck1, M McCracken6, R Mitchell2, D Ormiston4, L Pelude2, AE Simor6, D Waldner1, CNISP participating hospitals2  
1University of Alberta Hospital, Edmonton, AB; 2Public Health Agency of Canada, Ottawa, ON; 3Foothills Medical Centre, Calgary, AB; 4Health Sciences Centre, Winnipeg, MB; 5Public Health Agency of Canada, Winnipeg, MB; 6Sunnybrook Health Sciences Centre, Toronto, ON

**PT04**
**Elevated Rates of carbapenemase-producing Pseudomonas aeruginosa in an Alberta Tertiary Care Hospital**  
LF LISBOA1, DA Boyd2, MA Croxen1,2, L Chui3, BE Lee5,6, MR Mulvey1,2, G Taylor5,6, SW Smith5,6, TC Dingle1,4  
1Department of Medical Microbiology and Immunology, University of Alberta, Edmonton, AB; 2National Microbiology Laboratory, Winnipeg, MB; 3Provincial Laboratory for Public Health (ProvLab), Edmonton, AB; 4Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB; 5Department of Pediatrics, University of Alberta, Edmonton, AB; 6Department of Microbiology, University of Manitoba, Winnipeg, MB; 7Division of Infectious Diseases, University of Alberta, Edmonton, AB

**PT05**
**The Value of Microbiological Culture in Complicated Appendicitis for Stewardship Interventions**  
I VIEL-THÉRIAULT1, M Bettoli2, B Toye3, N Le Saux1  
1Department of Pediatrics, University of Ottawa, Ottawa, ON; 2Department of Surgery, University of Ottawa, Ottawa, ON; 3Department of Biochemistry, Microbiology and Immunology, University of Ottawa, Ottawa, ON

**PT06**
**Economic Evaluations of Vancomycin-Resistant Enterococci (VRE) Control Practices: A Systematic Review**  
C MacDougall1, C Premature1, J JOHNSTONE1,2,3, K Adomako1, E Nadolny2, A Saedi3, E Shing1, B Sander1,4,5,6, GE Garber1,2,3,8  
1Public Health Ontario, Toronto, ON; 2Department of Medicine, University of Toronto, Toronto, ON; 3Dalla Lana School of Public Health, University of Toronto, Toronto, ON; 4University Health Network, Toronto, ON; 5Institute of Health Policy, Management and Evaluation, University of Toronto, Toronto, ON; 6Institute for Clinical Evaluative Sciences, Toronto, ON; 7Faculty of Medicine, University of Ottawa, Ottawa, ON; 8Clinical Epidemiology, Ottawa Hospital Research Institute, Ottawa, ON

**PT07**
**Identifying Patients Hospitalized with Community-Acquired Pneumonia with the International Classification of Diseases coding: Including Secondary Diagnoses is Mandatory**  
C Grenier1, A Carignan1,2, C Abou Chakra1, G Lapointe1, A Marci-Héguy1, L VALIQUETTE1,2  
1Centre de recherche du CHUS, CIUSSS de l’Estrie-CHUS, Sherbrooke, QC; 2Department of Microbiology and Infectious Diseases, Université de Sherbrooke, Sherbrooke, QC

**PT08**
**Impact of Patient and Visitor Hand Hygiene Interventions on Healthcare Worker Hand Hygiene Compliance**  
YZ Xu1, M Wong1, J Bone1, JA SRIGLEY1,2  
1University of British Columbia, Vancouver, BC; 2Provincial Health Services Authority, Vancouver, BC

**PT09**
**Canadian Patient Experiences with Clostridium difficile Infection: Results of an Online Survey**  
J Vent-Schmidt1, GP Attara2, D Lisko1, TS STEINER1  
1University of British Columbia, Vancouver, BC; 2Gastrointestinal Society, Canadian Society of Intestinal Research, Vancouver, BC

**PT10**
**Management of C. difficile Associated Infection in Patients with Cancer: Is it Time to Ditch Metronidazole?**  
A BROOKS1,2, N Irfan1, S Haider1,2, D Mertz1,2  
1Hamilton Health Sciences, Hamilton, ON; 2McMaster University, Hamilton, ON

**PT11**
**OPAT Clinic: 7000 Patients, 10 Years, 1 Urban Centre—What Did We Learn?**  
F JAGDIS, W Ghessihere, E Partlow, K Hammond, M-L Troje, R Bachand  
Island Health, Victoria, BC
Poster Presentations

**PT12**
Assessment of ESBL Screening Practices in a Neonatal ICU to Prevent Nosocomial Transmission  
F Al Mutawa¹, D Mertz¹, CR O’Neill¹, M Smieja¹, S El Helou¹, S Khan¹  
¹McMaster University, Hamilton, ON; ²Hamiton Health Sciences, Hamilton, ON

**PT13**
Assessing the Impact of Staff Compliance to New MRSA Admission Screening Protocol on In-Hospital Burden of MRSA Through Mathematical Infectious Diseases Modelling  
S Lee¹,², S Liu¹, K Simmonds³, K Hope¹, K Bush¹, J Kim¹,⁵, N Alfieri¹, EA HENDERSON¹,², M Li³  
¹Department of Infection Prevention and Control, Alberta Health Services, Calgary, AB; ²Department of Community Health Sciences, University of Calgary, Calgary, AB; ³Department of Mathematical and Statistical Sciences, University of Alberta, Edmonton, AB; ⁴Health Evidence and Policy, Alberta Health, Edmonton, AB; ⁵Department of Medicine, University of Calgary, Calgary, AB

**PT14**
Evaluation of a Routine Screening Program with Tuberculin Skin Testing on Rates of Detection of Latent Tuberculosis Infection and Prevention of Active Tuberculosis in Patients with Multiple Myeloma at a Canadian Cancer Center  
MR GITMAN¹, J Yu², T Nguyen³, C Rotstein⁴,⁵  
¹University Health Network, Toronto, ON; ²University of Ottawa, Ottawa, ON; ³Princess Margaret Hospital, Toronto, ON; ⁴Multi-Organ Transplant Program, Toronto, ON; ⁵University of Toronto, Toronto, ON

**PT15**
Frequency of Extended-Spectrum Beta-Lactamase-Producing Escherichia coli Urinary Isolates from Nursing Stations in Northern Manitoba, Canada  
C Bogaty¹, S Kassam², A Walkty¹,², P ORR¹  
¹Max Rady College of Medicine, University of Manitoba, Winnipeg, MB; ²Diagnostic Services Manitoba, Winnipeg, MB

**PT16**
Impact of Respiratory Illness on Long-Term Care Facility Admissions and Repatriations: Employing a Novel Measure of ‘Unavailable Bed-Day’ at a Regional Health Authority in BC, 2016–17  
Y XU¹, G Frosst², M Andrews³, S Mema²  
¹Public Health Agency of Canada, Kelowna, BC; ²Interior Health, Kelowna, BC; ³Interior Health, Vernon, BC

**PT17**
A Successful Model for Investigation and Managing Complex TB Exposures at Daycare Centres  
D FISHER¹,², M Lemay¹,³,⁴, S Kuhn¹,³,⁴, C Wood¹, J Jarand¹,², A Hurter¹,², L Duggan¹, A Dyck¹, S Bagott¹, C Smith¹, J Lugo¹, S Murch¹, J Tweed¹, J MacDonald¹,², T Jadavji¹,³, C Rypien¹,³, CM Constantinescu¹,³, JD Kellner¹,³, JV Vayalumkal¹,³  
¹Section of Respiratory Medicine, Department of Medicine, Cumming School of Medicine, University of Calgary, Calgary, AB; ²Tuberculosis Services, Alberta Health Services, Calgary, AB; ³Section of Infectious Diseases, Department of Pediatrics, Cumming School of Medicine, University of Calgary, Calgary, AB; ⁴Infection Prevention and Control, Alberta Health Services, Calgary, AB; ⁵Alberta Children’s Hospital, Alberta Health Services, Calgary, AB; ⁶Child Life & Therapeutic Arts Program, Alberta Children’s Hospital, Alberta Health Services, Calgary, AB; ⁷Alberta Children’s Hospital, Alberta Health Services, Calgary, AB; ⁸Population, Public and Indigenous Health, Alberta Health Services, Calgary, AB; ⁹Department of Community Health Sciences, Cumming School of Medicine, University of Calgary, Calgary, AB

Posters (Friday)

**PF01**
The Role of Infection Control in Preventing Leech Therapy Associated Drug-Resistant Aeromonas Infections  
LO PARKES¹,², L Jong³, DN Fisman⁴, H Baltzer⁵, E Vicencio⁶, K Ramaraj⁷, C Moffatt⁸, T Quaife⁹, MD Libman¹, S Hota¹,²  
¹Division of Infectious Diseases and Department of Medicine, University Health Network, Toronto, ON; ²Department of Infection Prevention and Control, University Health Network, Toronto, ON; ³Division of Infectious Diseases and Department of Medical Microbiology, McGill University, Montréal, QC; ⁴Division of Plastic and Reconstructive Surgery and Division of Orthopedics, University Health Network, Toronto, ON; ⁵Faculty of Medicine and Dentistry, University of Alberta, Edmonton, AB

**PF02**
Comparison of Real Time PCR Allplex™ STI Essential Assay to Transcription Mediated Amplification Aptima Combo 2 for the Diagnosis of Chlamydia trachomatis and Neisseria gonorrhoeae by Testing Urine and Self-Obtained Vaginal Swabs  
D JANG¹, M Smieja¹, M Arias¹, J Yantzi¹, G Jeong¹, M Chernesky¹  
¹McMaster University, Hamilton, ON; ²Seegene Canada Inc., Toronto, ON
**Poster Presentations**

**PF03**

Self-Collection of Vaginal Swabs and Urine in a Clinic or at Home Provided Similar Positivity Rates for *Chlamydia trachomatis* and *Neisseria gonorrhoeae* Infections

M CHERNESKY1, I Martin1, D Jang1, M Smieja1, M Arias1, D Getman1, J Schachter1

1McMaster University, Hamilton, ON; 2National Microbiology Laboratory (NML), Winnipeg, MB; 3Hologic Inc., San Diego, CA, USA; 4University of California, San Francisco, CA, USA

**PF04**

Environmental Sampling for the Surveillance of Swine Influenza Virus

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**PF05**

Assessment of Shiga toxin–producing *E. coli* (STEC) using Commercial Colorex STEC agar.

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**PF06**

Using Matrix-Assisted Laser Desorption Time of Flight (MALDI-TOF) for Rapid Identification of Vancomycin-Resistant *Enterococcus faecium* in a Hospital Setting

RA KOZAK1,2, V Porter1, AE Simor1,2, L Matukas1,2, M Muller1,2, M Tadros1,2

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**PF07**

Genomic Analysis of Clinical *L. monocytogenes* Isolates in Ontario from 1987 to 2016, Reveals Evidence of Different Strategies to Induce Listeriosis

L Liang1, A Fortuna1, A Wakabayashi1, A Reimer1, R Garduno1, GV MALLO1,4

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**PF08**

ABSTRACT WITHDRAWN

**PF09**


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**PF10**

Investigation of a Listeriosis cluster Linked to Food Prepared at a Local Grocery Store in BC

FTSANG1, S Man2, C Tchoa2, L Hoang1,2, A Paccagnella2, LR Janz1, A Hayder1, T Au-Yeung3, G Tam2, E Demlov2, L Schetter2, N Pystajeczko1,3

1BCCDC Public Health Laboratory, Vancouver, BC; 2BCCDC Public Health Laboratory, Vancouver, BC; 3University of British Columbia Department of Pathology and Laboratory Medicine, Vancouver, BC; 4Vancouver Coastal Health Authority, Vancouver, BC; 5Vancouver Coastal Health Authority, Richmond, BC; 6Canadian Microbiology Laboratory, Winnipeg, MB

**PF11**

Use of Oral and Parenteral Antimicrobials of Last Resort in Canada According to the WHO Essential Medicines List

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**PF12**

Quantitative Antimicrobial Usage Surveillance from 2009–2015 among Hospitals Participating in the Canadian Nosocomial Infection Surveillance Program (CNISP)

K Abdesselam1, L Pelude1, M Laverty1, K Amaralunga1, J Comeau1, B Dalton1, J Embree1, GA Evans1, L Forrester1, C Frenette1, S Fryters1, G German2, J Grant1, D Gravel1, K Katz1, P Kibsey1, P Kibsey1, M-A Lefebvre1,1,1, JA Leis1,1,1, A McGee1,1,1, S McKenna1,1,1,1, M Mulvey1,1,1,1,1, H Neville1,1,1, K Nixon1,1,1,1, AE Simor1,1,1,1, K Slater1,1,1,1, K Suh1,1,1,1, K Weiss1,1,1,1, D Thirion1,1,1,1, M Science1,1,1,1, JM CONLY1,1,1,1, CNISP participating hospitals1

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**PF13**

Burden of Enterovirus Infections in Hospitalized Patients in Canada from 1984 to 2011

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**PF14**

Using Matrix-Assisted Laser Desorption Time of Flight (MALDI-TOF) for Rapid Identification of Vancomycin-Resistant *Enterococcus faecium* in a Hospital Setting

RA KOZAK1,2, V Porter1, AE Simor1,2, L Matukas1,2, M Muller1,2, M Tadros1,2

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**PF15**

Genomic Analysis of Clinical *L. monocytogenes* Isolates in Ontario from 1987 to 2016, Reveals Evidence of Different Strategies to Induce Listeriosis

L Liang1, A Fortuna1, A Wakabayashi1, A Reimer1, R Garduno1, GV MALLO1,4

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**PF13**
Antimicrobial Prescribing by Dentists, Nurses, and Pharmacists in the Ambulatory Setting in Canada  
S Glass-Kaastra1, JC Taylor2, JM Conly1, J Arthur3, G German3, AM Morris4, D Thirion5, D Gravel5  
1Canadian Antimicrobial Resistance Surveillance System, Public Health Agency of Canada, Ottawa, ON; 2Office of the Chief Dental Officer, Public Health Agency of Canada, Ottawa, ON; 3Cumming School of Medicine, University of Calgary, Calgary, AB; 4Strategic Issues and Integrated Management Division—Antimicrobial Resistance, Public Health Agency of Canada, Ottawa, ON; 5Health PEI, Charlottetown, PE; 6Sinai Health System/University Health Network, University of Toronto, Toronto, ON; 7School of Population and Public Health, University of British Columbia, Vancouver, BC; 8Faculty of Pharmacy, Université de Montréal, Montréal, QC; 9SMBD-Jewish General Hospital, Montréal, QC

**PF14**
Antimicrobial Stewardship Opportunities in Ontario Long-Term Care Homes: A Province-Wide Survey  
BJ Langford1, S Emily2, KL Schwartz2, GE Garber3,4  
1Public Health Ontario, Toronto, ON; 2Dalla Lana School of Public Health, University of Toronto, Toronto, ON; 3Department of Medicine, University of Toronto, Toronto, ON; 4Department of Medicine, University of Ottawa, Ottawa, ON

**PF15**
ABSTRACT WITHDRAWN

**PF16**
Utilizing Quality Tools with Key Stakeholders to Make the Business Case for a Fast Blood Culture Diagnostics Platform with ID and Antibiotic Sensitivities with MICs in 7 Hours  
MP Spencer, S Eren  
Accelerate Diagnostics, Tucson, AZ, USA

**PF17**
A Prospective Audit of Antimicrobial Utilization among Urology Patients in Edmonton, Alberta  
CR O’Neil1, L Saxinger1, L Zemp2, H Hoang1  
1Division of Infectious Diseases, University of Alberta, Edmonton, AB; 2Division of Urology, University of Alberta, Edmonton, AB

**PF18**
Clinical Characteristics and Outcomes of Patients Colonized and Infected with Carbapenemase Producing Organisms in Edmonton, Alberta  
CR O’Neil1, G Taylor2, SW Smith  
1Division of Infectious Diseases, University of Alberta, Edmonton, AB; 2University of Alberta, Edmonton, AB

**PF19**
Stewardship with a Handshake: Impact of Collaborative, Prospective Audit and Feedback Antimicrobial Stewardship Rounds in an Adult, Medical-Surgical Intensive Care Unit in Saskatoon, Saskatchewan  
S PeerMohamed1,2, J Kosar1  
1Saskatchewan Health Authority, Saskatoon, SK; 2University of Saskatchewan, Saskatoon, SK

**PF20**
The Use of Prospective Audit and Feedback as an Educational Strategy for a Competency Based Pediatric Antimicrobial Stewardship Curriculum  
E Rennert-May1,2, JM Conly1,2, D Dersch-Mills1, A Kassam1, M Lemay1, IV Vayalumkal2, CM Constantinescu1,2  
1University of Calgary, Calgary, AB; 2Alberta Health Services, Calgary, AB

**PF21**
A Learner-Centered Antimicrobial Stewardship Educational Curriculum: Quantitative Results of a Mixed Methods Needs Assessment  
CM Constantinescu1,2, C Oguaju3, IV Vayalumkal1,2,4, JM Conly1,4, E Gilfoyle2,3, M Lemay1,4, D Dersch-Mills1, A Kassam3  
1Section of Infectious Diseases, Department of Pediatrics, Cumming School of Medicine, Calgary, AB; 2Department of Community Health Sciences, Cumming School of Medicine, Calgary, AB; 3Section of Infectious Diseases, Department of Medicine, University of Calgary, Calgary, AB

**PF22**
Rapid Identification of Candida Species Directly from Positive Blood Cultures Using the BioFire FilmArray® Blood Culture ID (BC-ID) Panel (bioMérieux)  
V Porter1, M Chouinard1, S Mubareka1,2, R Fattouh2,3, L Matukas2,3, M Tadros2,3, K Katz2,4, C Vermeiren5, T Mazzulli5,6, SM Poulan6, BM Willey7, AE Simor1  
1Sunnybrook Health Sciences Centre, Toronto, ON; 2Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, ON; 3St. Michael’s Hospital, Toronto, ON; 4Shared Hospital Laboratory Inc., Toronto, ON; 5Mount Sinai Hospital, Toronto, ON

**PF23**
Antimicrobial Resistance in Pathogens Isolated from Patients in Canadian Hospitals: CANWARD 2017  
M Baxter1, HJ Adam1,2, M McCracken3, A Denisuk1, GG Golding1,3, JA Karlowsky3, DJ Hoban1,2, GG Zhanel1  
1University of Manitoba, Winnipeg, MB; 2Diagnostic Services Manitoba, Winnipeg, MB; 3National Microbiology, Winnipeg, MB
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**PF24**

British Columbia Zika Virus Testing and Surveillance Summary, November 2015 – December 2017

Y Chang\(^1\), Y Simpson\(^1\), M-K Lee\(^1\), DM Patrick\(^1\), M McCabe\(^1\), A Mamun\(^1\), MA Drebot\(^2\), H Wood\(^3\), M Morshed\(^1\)

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**PF25**

Analytical Sensitivity Analysis for Viral Targets in the Biofire Meningitis/Encephalitis Panel

ALS Lang\(^1,2\), J Head\(^1\), TF Hatchette\(^1,2\), JJ LeBlanc\(^1,2\)

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**PF26**

MALDI-TOF Mass Spectrometry for Improved Non-Tuberculous Mycobacteria Diagnostics

C Yoshida, D Janella, A McGurran, M Sharma, K Antonation

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**PF27**

A Comparison of the Allplex™ Gastrointestinal Panel Assays to Conventional Methods for Detection of Gastroenteritis Agents

K Amrud\(^1\), R Slinger\(^1,2\), NP Sant\(^1,3\), M Desjardins\(^1,2\), B Toyel\(^1,2,3\)

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**PF28**

Implementation of WASP Urine Processing Improved Culture Quality and Workflow in Clinical Microbiology Laboratory

P Shecwew, T Demers, V Hadwell, H Byrne, A Wilmer, E Blondell-Hill, B Wang

Larissa Yarr Microbiology Laboratory, Kelowna General Hospital, Kelowna, BC

**PF29**

Evaluation of WASP Automated Planting System for Stool Specimens

P Shecwew, T Demers, V Hadwell, A Wilmer, E Blondell-Hill, B Wang

Larissa Yarr Microbiology Laboratory, Kelowna General Hospital, Kelowna, BC

**PF30**

Validation and Implementation of Colorex™ CHROMagar™ Staph Aureus on WASP™/WASPLab™ for Screening for Staphylococcus aureus Using the ESwa™

MA Gaskin, D Yamamura, J Korver

Hamilton Health Sciences, Hamilton, ON

**PF31**

Calculating Uncertainty of Measurement (UM) for Disk Diffusion (DD) Results in a Clinical Microbiology Laboratory

J Romano\(^1\), Q Liu\(^1\), L Jiang\(^1\), P Lo\(^1\), T Mazzulli\(^1,3\), SM Poutanen\(^1,3\)

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**PF32**

Blood Culture Collection Practices and Yield at a Tertiary Care Children’s Hospital Prior to Implementation of an Evidence-Based Blood Culture Guide

EJ Eckbo\(^1,2\), E Bhatti\(^1\), L Book\(^2\), P Tilley\(^1,2\), DM Goldfarb\(^1,2\)

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**PF33**

Improving Time to Blood Culture Identification and Susceptibility Results for Remote Hospitals using the Accelerate Pheno™ System

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\(^1\)Lakeridge Health, Oshawa, ON; \(^2\)Accelerate Diagnostics, Tucson, AZ, USA

**PF34**

Performance Review of Molecular Method for Zika Virus Detection in BCCDC Public Health Laboratory

B Hon\(^1\), S Man\(^1\), M-K Lee\(^1\), K Fernando\(^1\), N Chahil\(^1\), Q Wong\(^1\), M Morshed\(^1,2\)

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**PF35**

Real-time PCR for the Detection and Identification of Aspergillus fumigatus and Other Medically Relevant Aspergillus Species

A Kense\(^1\), TD Lee\(^1\), MA Croxen\(^1,4\), T Woznow\(^5\), T Wong\(^5\), E Bryce\(^5\), R Broady\(^5\), P Tang\(^5\), L Hoang\(^5\)

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**PF36**

Identifying Optimal Test Turn-Around-Time Indicators for Respiratory Viral and Bordetella Testing by Batched Testing Approaches

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**PF37**
Epidemiological and Laboratory Characterization of a *Bordetella pertussis* Outbreak: January 1–September 30, 2017
S Fathima1, S Malo1, L Svenson1, RSW Tsang1, SJ DREWS1,4
1Ministry of Alberta Health, Edmonton, AB; 2Vaccine Preventable Bacterial Diseases, National Microbiology Laboratory, Public Health Agency of Canada, Winnipeg, MB; 3ProvLab Alberta, Edmonton, AB; 4Department of Laboratory Medicine and Pathology, Edmonton, AB

**PF38**
Validation of the Hamilton MicroLab Starlet Robotic System to Liquid Handle Respiratory Specimens, Extract Total Nucleic Acid and Load NxTAG® Respiratory Pathogen Panel Strips
SE Shokoples1, N Zelyas1, S Myhal1, A Orta2, K Takhar3, K Kershner4, R Lundeberg5, SJ DREWS1,4
1ProvLab Alberta, Edmonton, AB; 2Hamilton Company, Reno, NV, USA; 3Promega Corporation, Madison, WI, USA; 4University of Alberta, Edmonton, AB

**PF39**
Media Makes a Difference in the Detection of Surveillance Isolates of Methicillin Resistant *Staphylococcus aureus* using the Bruker MALDI-TOF Mass Spectrometry MRSA PSM-mec Detection Module
DD BOULTON
Grand River Hospital, Kitchener, ON

**PF40**
*Escherichia coli* Colonizing Crows as a Sentinel of Antimicrobial Resistance in Saskatoon, Canada
Y Rajapaksha, M Sniatynski, D Parker, JE RUBIN
University of Saskatchewan, Saskatoon, SK

**PF41**
**ABSTRACT WITHDRAWN**

**PF42**
Improved Time-to-Detection (TTD) of Carbapenemase-Producing Organisms (CPO) harbouring OXA48-like, KPC and NDM-like Carbapenemases through use of Coris BioConcept’s RESIST-3 OKN K-SeT Immunochromatographic Assay Directly from Prospective CPO Surveillance (PCS) Cultures
BM WILLEY1, M Al-Ani1, Y Sokolskyy2, E Osuji1, A Paterson1, DA Boyd2, W Chiu3, T Mazzulli4, SM Poutanen1,5
1Mount Sinai Hospital/University Health Network, Toronto, ON; 2Mount Sinai Hospital, Toronto, ON; 3National Microbiology Laboratory, Winnipeg, MB; 4University of Toronto, Toronto, ON

**PF43**
Retrospective Evaluation of Oxoid’s New Selective Bi-Plate Consisting of MacConkey-Cefpodoxime (McPOD) and MacConkey-Meropenem (McMEM) Agars for Detecting Carbapenemase-Producing Organisms (CPO) using Species-Diverse Gram-Negative Bacilli (GBN)
BM WILLEY1, Y Sokolskyy3, M Al-Ani1, E Osuji1, A Paterson1, DA Boyd2, P Lo1, T Mazzulli4,5, SM Poutanen1,5
1Mount Sinai Hospital/University Health Network, Toronto, ON; 2Mount Sinai Hospital, Toronto, ON; 3National Microbiology Laboratory, Winnipeg, MB; 4University of Toronto, Toronto, ON

**PF44**
Prospective Evaluation of Accelerate (AXDX) PhenoTest™ BC Kits in the AXDX Pheno™ System (Version 1.1) for Reducing Identification and Antimicrobial Susceptibility Test Turn-Around-Time (ID-AST-TAT) for Gram-Negative Bacilli (GNB) from Positive Blood Cultures (+BC) Incubated in bioMérieux’s 3D BacT/Alert® System
BM WILLEY1, B Gascon2, S Lee2, V Koren2, A Paterson2, H Ng1, P Lo1, T Mazzulli1,3, SM Poutanen1,3
1Mount Sinai Hospital/University Health Network, Toronto, ON; 2Mount Sinai Hospital, Toronto, ON; 3University of Toronto, Toronto, ON

**PF45**
Retrospective Evaluation of Accelerate (AXDX) PhenoTest™ BC Kits in the AXDX Pheno™ System (Version 1.1.1) for Identification and Antimicrobial Susceptibility Testing (ID-AST) of Gram-Negative Bacilli (GBN) including Carbapenemase-Producing Organisms (CPO) from Seeded Blood Culture Bottles (SBCB) Incubated in bioMérieux’s 3D BacT/Alert® System
BM WILLEY1, B Gascon2, S Lee2, V Koren2, D Surangiwala2, A Paterson2, DA Boyd2, MR Mulvey2, P Lo1, T Mazzulli3,5, SM Poutanen1,5
1Mount Sinai Hospital/University Health Network, Toronto, ON; 2Mount Sinai Hospital, Toronto, ON; 3National Microbiology Laboratory, Winnipeg, MB; 4University of Toronto, Toronto, ON

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**PF46**
Comparison of Accelerate (AXDX) BC PhenoTest™ Identification and Antimicrobial Susceptibility Test (ID-AST) Results after Simultaneous Parallel Incubations in bioMérieux BacT/Alert 3D and VirtuO Systems of Gram-Negative Bacilli (GNB) Seeded to Blood Culture Bottles (SBCB)
BM Willey1, A Oppedisano2, E Osuji2, Y Sokolskyy3, M Al-Aini3, H Ng1, A Paterson1, P Lo1, T Mazzulli1,4, SM Poutanen1,4
1Mount Sinai Hospital/University Health Network, Toronto, ON; 2Mount Sinai Hospital, Toronto, ON; 3Michener Institute, Toronto, ON; 4University of Toronto, Toronto, ON

**PF47**
Whole Genome Sequencing of Carbapenemase-producing Organisms in a Public Health Laboratory Using a Simplified Manual Workflow
TD Lee1, MA Croxen1,2, R Azana1, V Tang1, M Cheung1, N Louther1, K Adie1, B Auk1, N Prystajecky1,4, L Hoang1,4
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**PF48**
Preliminary Results from Implementation and Evaluation of in-territory Molecular Testing for Gastrointestinal Pathogens in Nunavut
DM Goldfarb1,2, S Desai2, A Miners1, B Barker1, W Nishi3, H Kim1, E Serra1, S Marchand1, K Barker1, CP Yansouni4
1BC Children’s Hospital/UBC, Vancouver, BC; 2McMaster University, Hamilton, ON; 3Queen’s University, Kingston, ON; 4University of British Columbia, Vancouver, BC

**PF49**
Trends in Respiratory Outbreak Reporting in Ontario Health Care Institutions: Increasing Incidence and New Patterns of Diagnosis
C Achonu1, K Katz1, A-L Winter1, M Murti1, B Warshawsky1,4, H Sachdeva1, M Muller1,2,6, S Patel1,3, JB Gubbay1,3, J Robertson1, S Callery1
1Public Health Ontario, Toronto, ON; 2North York General Hospital, Toronto, ON; 3University of Toronto, Toronto, ON; 4University of Western Ontario, London, ON; 5Toronto Public Health, Toronto, ON; 6St. Michael’s Hospital, Toronto, ON

**PF50**
A Universal Heterologous Internal Control and Sample Control System for Real-Time PCR Assays
M-K Lee1, B Hon1, D Chao1, N Chahil1, M Morshed1,2
1BC Centre for Disease Control Public Health Laboratory, Vancouver, BC; 2University of British Columbia, Vancouver, BC

**PF51**
Detection of Bordetella pertussis, parapertussis, holmesii, and bronchiseptica with Endogenous and Exogenous Internal Controls Using Two Multiplexed Real-Time PCR Assays
M Cheung1, TD Lee1, R Azana1, JR Janz1, NP Prystajecky1,2, LH Hoang1,2
1BC Centre for Disease Control Public Health Laboratory, Vancouver, BC; 2Department of Pathology and Laboratory Medicine, Faculty of Medicine, University of British Columbia, Vancouver, BC

**PF52**
An In-House Laboratory Information Management System (LIMS) for Genome Sequence Data in a Public Health Laboratory
B Hon1, M Cheung1, R Azana1, TD Lee1, KA MacDonald1,2, B Auk1, MA Croxen1,3,4, L Hoang1,4
1BC Centre for Disease Control Public Health Laboratory, Vancouver, BC; 2Provincial Laboratory for Public Health (ProvLab), Edmonton, AB; 3Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB; 4Department of Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC

**PF53**
Identification of Stool Gastrointestinal Pathogens Using a Multiplex PCR in a Paediatric Teaching Hospital
EV Fera1,2, M-P Lirette1, M Science1, A Petrich1
1The Hospital for Sick Children, Toronto, ON; 2Markham Stouffville Hospital, Markham, ON

**PF54**
Enhanced Integrated Salmonella Surveillance: Genome Sequencing of Human, Agricultural, Food, Water, and Environmental Salmonella Enteritidis isolates in British Columbia
KA MacDonald1,2, R Azana2, S Mar1, TD Lee2, A Paccagnella2, M Taylor3, E Galanis1,4, G Arya2, MA Croxen1,2, E Zabek2, N DeWit3, C Botkin3, T Redford3, M Walker1, F Pollari9, EI Parmley1, L Tschetter1, L Hoang1,2,10, NP Prystajecky1,2,10
1National Microbiology Laboratory (Winnipeg), Public Health Agency of Canada, Winnipeg, MB; 2BC Centre for Disease Control Public Health Laboratory, Provincial Health Services Agency, Vancouver, BC; 3BC Centre for Disease Control, Vancouver, BC; 4School of Population and Public Health, The University of British Columbia, Vancouver, BC; 5National Microbiology Laboratory (Guelph), Public Health Agency of Canada, Guelph, ON; 6Provincial Laboratory for Public Health (ProvLab), Alberta Health Services, Edmonton, AB; 7Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB; 8BC Ministry of Agriculture, Abbotsford, BC; 9Centre for Food-borne, Environmental and Zoonotic Infectious Diseases (CFEZID), Public Health Agency of Canada, Guelph, ON; 10Department of Pathology and Laboratory Medicine, The University of British Columbia, Vancouver, BC
**Poster Presentations**

**PF55**
Performance Evaluation of a Rapid Automated Molecular Platform for Detection of Influenza A, B and RSV in Nasopharyngeal Specimens at a Tertiary Care Hospital in British Columbia

S MASUD1,2, K Mannan1, D Purych1,2, J Ahmed-Bentley1,2, L Avery1, A Minhas1, J Epp1, B Auk3, A Jassem3, B Mack1,2
1Surrey Memorial Hospital, Surrey, BC; 2Department of Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC; 3BC Center for Disease Control, Public Health Microbiology Reference Laboratory, Vancouver, BC

**PF56**
A Retrospective Analysis from 2010-2014 Shows that Typhoidal Salmonella is as Likely as Escheria coli to be Recovered from Blood Culture in a Large Outpatient Laboratory in the South Fraser Region of British Columbia

MR Imperial1,2, L WOO1, D Whellams1, RS Liao1, R Reyes1,2, M Kelly1,2
1LifeLabs, Surrey, BC; 2University of British Columbia, Department of Pathology and Laboratory Medicine, Vancouver, BC

**PF57**
What is the Role of Bordetella parapertussis and holmesii During the Two Last Outbreaks of Pertussis in New Brunswick?

R GARCEAU1, G Desnoyers1, M Mallet1
1Centre Hospitalier Universitaire Dr G. L. Dumont, Moncton, NB; 2Pêches et Océans Canada, Moncton, NB

**PF58**
Evaluation of the FilmArray® Blood Culture Identification Panel (BCID) Compared to Direct MALDI-TOF MS for Rapid Identification of Pathogens Associated with Bloodstream Infections

M PAYNE, S Champagne, CF Lowe, M Hinch, V Leung, MG Romney
Providence Health Care, Vancouver, BC

**PF59**
Spatial Multiplex Screening of Respiratory Track Associated Viral, Bacterial and Fungal Pathogens via Multi-Parameter Customized Quantitative PCR Microfluidics Cards

N PURI1, D Keys1, J Elliot1, D Rains2, K Li1
1Thermo Fisher, Pleasanton, CA, USA; 2Quantigen, Fishers, IN, USA

**PF60**
Simultaneous Identification and Detection of Clarithromycin Susceptibility in Helicobacter pylori in Gastric Biopsy Specimens and Culture using Allele-Specific Multiplex PCR

PA JAYARATNE1, M Partovi1, D Yamamura2
1St. Joseph’s Healthcare, Hamilton, ON; 2Hamilton Health Sciences, Hamilton, ON

**PF61**
Impact of Rapid Identification and Phenotypic Antimicrobial Susceptibility Testing by Accelerate Pheno™ System on Time to Antimicrobial (ABX) Tailoring for Gram-negative Bacilli (GNB) Bloodstream Infections (BSI)

N Matic1, BM Willey1, P Lo2, B Gascon2, S Lee2, V Koren2, S Surangiwala2, T Mazzulli1,2, SM POUTANEN1,2
1University of Toronto, Toronto, ON; 2University Health Network/ Sinai Health System, Toronto, ON

**PF62**
Practical Assessment of Accelerate Pheno™ Performance on Growth from Routine Positive Blood Cultures

J GRANT, C Porter, M Charles, E Bryce, T Wong, A Stefanovic, D Roscoe
Vancouver Coastal Health, Vancouver, BC

**PF63**
Assessment of Accelerate Pheno™ (AXDX) for Investigation of Positive Blood Cultures in Remote Health Care Centres with a Centralized Off-site Microbiology Laboratory

J GRANT, C Porter, M Charles, T Wong, E Bryce, A Stefanovic, D Roscoe
Vancouver Coastal Health, Vancouver, BC

**PF64**
Real-time RT-PCR Detection of Norovirus GGI, Norovirus GGLI, Rotavirus and Adenovirus: comparison of Seegene Alplex and Roche LightMix Gastrointestinal Viral Assays

A MAHOVLIC1, B Wang2,3, S Whitehead1, N Prystajecky4, F Tsang4, A Wilmer2,3
1University of British Columbia Okanagan, Kelowna, BC; 2University of British Columbia, Vancouver, BC; 3Kelowna General Hospital, Kelowna, BC; 4BCCDC Public Health Microbiology & Reference Laboratory, Vancouver, BC

**PF65**
Viral Central Nervous System Infections in Young Infants: A Canadian Multicentre Retrospective Review

D PETEL1, M Barton1, C Renaud1, L Ouchenir2, J Brophy1, J Bowes1, S Khan1, A Bitnun1, J McDonald1, A Boisvert2, J Ting2, A Roberts4, J Robinson7
1London Health Sciences Centre, Western University, London, ON; 2Centre hospitalier universitaire Sainte-Justine, University of Montréal, Montréal, QC; 3Children’s Hospital of Eastern Ontario, University of Ottawa, Ottawa, ON; 4Department of Pediatrics, Hospital for Sick Children, University of Toronto, Toronto, ON; 5Montréal Children’s Hospital, McGill University, Montréal, QC; 6British Columbia Children’s Hospital, University of British Columbia, Vancouver, BC; 7Department of Pediatrics, Stollery Children’s Hospital, University of Alberta, Edmonton, AB
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PF66  Performance of the cobas® Liat influenza A/B and RSV Against an In-House Developed Multiplex PCR
CF Lowe1, L Karakas1, L Merrick1, M Kadatz2, G Ritchie1, MG Romney1,2, M Payne1,2
1Providence Health Care, Vancouver, BC; 2University of British Columbia, Vancouver, BC

PF67  A Review of Legionella species, Excluding Legionella pneumophila, Submitted to the Canadian National Microbiology Laboratory Between 1978 and 2017
AL Pacheco1, K Bernard1,2
1National Microbiology Laboratory, Winnipeg, MB; 2University of Manitoba, Winnipeg, MB

PF68  Detection of Toxigenic Clostridium difficile using PCR: A Comparison Between the Xpert® C. difficile and the Simplexa® C. difficile Direct Assays
A Ward1, H Jewsbury1, N Hillmer1, J Lee1, B Wang1,2, E Blondel-Hill1,2, A Degelder1, A Wilmer1,2
1Kelowna General Hospital, Kelowna, BC; 2University of British Columbia, Vancouver, BC

PF69  Incidence and Antimicrobial Susceptibility of Bacterial Stool Pathogens from a Community Laboratory, British Columbia, 2016–2017
D Whellams1, MR Imperial1, RS Liao1, R Reyes1, M Kelly1, L Martinez2
1LifeLabs, Surrey, BC; 2LifeLabs, Victoria, BC

G Taylor1, R Mitchell2, S Alexandre1, K Amaratunga2, N Boame3, K Bush1, LF Forrester1, C Renette1, B Granfield1, D Gravel1, J Happe1, M John6, C Lavallee1, A McGeer4, D Mertz2, L Pelude2, M Science10, AE Simor11, SW Smith1, P Stagg1,2, K Suh13, JV Vayalumkal14, A Wong11, CNISP participating hospitals2
1University of Alberta Hospital, Edmonton, AB; 2Public Health Agency of Canada, Ottawa, ON; 3Alberta Health Services, Calgary, AB; 4Vancouver Coastal Health, Vancouver, BC; 5McGill University Health Centre, Montréal, QC; 6London Health Sciences Centre, London, ON; 7Hospital Maisonneuve–Rosemont, Montréal, QC; 8Mount Sinai Hospital, Toronto, ON; 9University Health Network, Toronto, ON; 10University of British Columbia, Vancouver, BC; 11Royal University Hospital, Saskatoon, SK

PF71  A Case Report of Francisella tularensis Detected in the Microbiology Laboratory—Lessons Learned
A Hadzic1, C Main2, M Fulford4
1PGY3 Medical Microbiology, Laboratory Medicine Residency Training Program, Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 2Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; 3Division of Infectious Diseases, McMaster University, Hamilton, ON

PF72  Mycobiome Profiling as a Diagnostic Tool for the Detection of Endemic Dimorphic Fungi in Bronchoalveolar Lavage Specimens
LR McTaggart1, J Copeland2, P Wang2, S Husain2,3, B Coburn2,3, D Gutmann1, IV Kus2,4
1Public Health Ontario, Toronto, ON; 2University of Toronto, Toronto, ON; 3University Health Network, Toronto, ON

PF73  Histoplasma capsulatum Endocarditis Causing an Acute ST Elevation Myocardial Infarction: A Case Report and Review of Literature
M Ebraheem1, B Pawlowicz1, A Petrich1, V Nair1, A SHROFF1
1McMaster University, Hamilton, ON; 2Sick Kids Hospital, Toronto, ON

PF74  Implementation of Real-Time PCR Test using ABI TaqMan 7500 for Malaria Detection and Speciation in the BCCDC Public Health Laboratory
T Lo1, N Chahil1,2, TD Lee1, L Olaer1, K Adie3, A Low1, S Sharma1, K Lam1, Q Wong1, M Mosher2,3,4
1Parasitology Section, BCCDC Public Health Laboratory, Vancouver, BC; 2Zoonotic Disease and Emerging Pathogen Section, BCCDC Public Health Laboratory, Vancouver, BC; 3Molecular Microbiology & Genomics, BCCDC Public Health Microbiology, Vancouver, BC; 4University of British Columbia, Vancouver, BC

PF75  A Case of Delusional Parasitosis in a 54-Year-Old Man with 5 Year Follow-up and Chart Review of Delusional Parasitosis in an Outpatient Tropical Medicine Practice Over the Same Period
MR Imperial1, AC IMPERIAL2
1University of British Columbia, Department of Pathology and Laboratory Medicine, Vancouver, BC; 2University of British Columbia, Vancouver, BC
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M Kissoon1, A Paterson1, S Surangiwala1, BM Willey1, S Hota1,3, SM POUTANEN1,3
1University Health Network/Sinai Health System, Toronto, ON; 2University Health Network, Toronto, ON; 3University of Toronto, Toronto, ON

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1LifeLabs, Surrey, BC; 2LifeLabs, Victoria, BC

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BC Children’s Hospital, Vancouver, BC

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1Public Health Ontario, Toronto, ON; 2University of Toronto, Toronto, ON; 3McGill University, Montréal, QC

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1University Health Network, Toronto, ON; 2University of Toronto, Toronto, ON; 3University Health Network/Sinai Health System, Toronto, ON

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1University of Manitoba, Winnipeg, MB; 2University of Nairobi, Nairobi, NP, Kenya; 3Partners for Health and Development in Africa, Nairobi, NP, Kenya; 4Public Health Agency of Canada, Winnipeg, MB; 5Karolinska University Hospital, Stockholm, ST, Sweden

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E Mahmoud, A Koop, S Haider
McMaster University, Hamilton, ON

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C Logar-Henderson1, R Ling1, DN Fisman1,2
1Dalla Lana School of Public Health, University of Toronto, Toronto, ON; 2Faculty of Medicine, University of Toronto, Toronto, ON

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Dalhousie University, Halifax, NS

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MN Weber1, L-S Hecht1, T Mazzulli2
1Altona Diagnostics GmbH, Hamburg, Germany; 2Mount Sinai Hospital/University Health Network, Toronto, ON

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BA Albaradi, M Abuelreish, H Al Qahtani
King Fahad Specialist Hospital, Dammam, Eastern Province, Saudi Arabia

PF87
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S Choudhury1
1Tan Tock Seng Hospital, Singapore

PF88
Emergence of Multi Drug Resistance Among Campylobacter species in Singapore
S Choudhury
Tan Tock Seng Hospital, Singapore
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**PF89**  
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**PF90**  
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AM AL-OTAIBI, AN Alodayani

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<td>Champagne, Sylvie G.</td>
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<td>Payment: bioMérieux (support for attendance at a Hospital Acquired Infections meeting); Grants: Exciton Technologies (received by University of Calgary for a pilot trial on chronic wounds); Honorarium: Pfizer (Pevnar 13 meeting); Clinical Trials: Pfizer (STRIVE 4 antigen S. aureus vaccien trial in surgical patients. All support is with the University of Calgary)</td>
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# Conflict of Interest

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<td>Evans, Gerald A.</td>
<td>Scientific Planning Committee/ Plenary Speaker/ Workshop Speaker</td>
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<td>Fisman, David N.</td>
<td>Abstract Review Committee/ Clinical Vignettes Presenter/ Oral Presenter</td>
<td>Grants: Seqiris Canada (seed funding for influenza cost-effectiveness model); Honorarium: Pfizer Canada, Sanofi Canada (attended advisory boards and received honoraria)</td>
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<td>Gardy, Jennifer</td>
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<td>Advisory Board: uBiome, AnimalBiome; Speaker Bureau: Lavin Agency; Payment: Oxford Nanopore (free reagents for a public outreach event)</td>
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<td>Grants: bioMérieux (investigator-initiated research); Clinical Trials: GenePOC (site PI), Meridian (former site co-PI)</td>
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<td>Clinical Trials: Accelerate Diagnostics (product evaluation support; not involved in drafting of results)</td>
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<td>Advisory Board: Merck, Gilead, ViVi; Speaker Bureau: Merck (helped develop slide sets post EASL and AASLD meetings); Clinical Trials: Merck, Gilead, Cidara (Clinical Phase 1, 2, and 3 studies)</td>
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<td>Hota, Susy S.</td>
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<td>Other: Johnson &amp; Johnson, Medtronic (investments in the last year; not at the time of abstract review).</td>
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<td>Kim, Christiana</td>
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<td>Grants: Roche, Hologic, Siemens (grants/contracts paid to institution); Clinical Trials: Roche, Hologic (involved in providing testing)</td>
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<td>Kumar, Anand</td>
<td>Integrated Symposium Speaker</td>
<td>Advisory Board: Accelerate Diagnostics, Baxter Pharma, Qvella Diagnostics; Clinical Trials: Non-Commercial; Other: Merck (expenses, speaker related)</td>
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<td>Speaker Bureau: Merck (antimicrobial resistance presentations); Payment: Merck (for 2 presentations); Grants: GenePoc (research grant for a diagnostic test); Clinical Trials: GenePoc (new <em>C. difficile</em> diagnosis method)</td>
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<td>Advisory Board: Shionogi Ltd., Janssen Pharmaceuticals Inc., Visterra Ltd., and Seqirus Inc. (none related to presentation); Honorarium: Shionogi Ltd., Janssen Pharmaceuticals Inc., AstraZeneca Hong Kong Ltd., Visterra Ltd., IVIVO Ltd., Seqirus Inc. (none related to presentation)</td>
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<td>Clinical Trials: Hologic (evaluation of Panther Fusion assays); Other: Hologic (expenses speaker related)</td>
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<td>Nepal, Rajeev M.</td>
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<td>Investments: Pfizer Inc. (stocks and options); Other: Pfizer Canada Inc. (employee)</td>
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<td>Patel, Robin</td>
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<td>Advisory Board: Curetis, Quella, St. Jude, Beckman Coulter, Morgan Stanley, Heraeus Medical GmbH, CORMATRIX, Specific Technologies, Diaxoinit, Selux Dx, GenMark Diagnostics, LBT Innovations Ltd, PathoQuest, Genente (Monies are paid to Mayo Clinic); Grants: CD Diagnostics, BioFire, Curetis, Merck, Hutchinson Biofilm Medical Solutions, Accelerate Diagnostics, Allergan, The Medicines Company; Honorarium: NBME, Up-to-Date, Infectious Diseases Board Review Course; Patent: on Bordetella pertussis/parapertussis PCR issued, on a device/method for sonication with royalties paid by Samsung to Mayo Clinic, on an anti-biofilm subst; Clinical Trials: Accelerate Diagnostics (RAPIDS-GN)</td>
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<td>Advisory Board: AVIR Pharma, Astellas Pharma Canada, Merck Canada Inc., Pendopharm, Pfizer Canada Inc. (consulting, honoraria paid); Speaker Bureau: Merck Canada Inc., Pfizer Canada Inc., Sunovion Pharmaceuticals Canada Inc., Teva Pharmaceutical Industries Ltd. (honoraria paid and/or expenses); Grants: Astellas Pharma Canada, Chimerix Inc., Cidara, Merck Canada Inc., Pfizer Canada Inc. (research support)</td>
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<td>Grants: Pfizer, Variation Biotechnologies, Merck (investigator or co-investigator on research grants paid to institution, no personal payments received)</td>
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<td>Honorarium: Merck Canada Inc. (speaker’s honorarium)</td>
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<td>Skinner, Stuart</td>
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<td>Advisory Board: Viiv Healthcare, Merck Canada, Gilead Sciences; Grants: Viiv Healthcare, Merck Canada, Gilead Sciences, Abbvie (received HIV and/or Hepatitis C research grant funding); Honorarium: Viiv Healthcare, Merck Canada, Gilead Sciences (HIV and/or heaptitis C related talks); Clinical Trials: GSK/Viiv, Merck Canada (sub-investigator for trials)</td>
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<td>Advisory Board: Abbvie, Merck, Gilead (paid participation on boards); Honorarium: Abbvie, Merck, Gilead (paid for CME presentations); Clinical Trials: Abbvie, Merck, Genentech, Visterra (several industry-sponsored clinical trials underway at institution)</td>
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<td>Advisory Board: Avia, Pendopharm, Merck; Speaker Bureau: Bristol Meyers Squibb (paid speaker); Grants: Merck (investigator-initiated research grant); Honorarium: Merck (consultation meeting and survey development); Clinical Trials: Merck, Rebiotix, Actelion, Sanofi Pasteur, Seres, Pfizer</td>
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<td>Clinical Trials: Pfizer (PI, investigator-initiated research)</td>
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<td>Valiquette, Louis</td>
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<td>Grants: Pfizer (IIR on epidemiology of community-acquired pneumonia project), Roche (evaluation of the PCT in an ICU); Investments: Lumed (shareholder, co-founder and medical director; bioMérieux partners and holds shares in Lumed); Clinical Trials: Sanofi, Pfizer (two vaccine trials on C. difficile)</td>
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<td>Advisory Board: CSL Behring Canada, Astellas Canada, Shire Canada; Payment: CSL Behring Canada, Astellas Canada, Shire Canada, Cidara; Grants: CSL Behring Canada; Honorarium: CSL Behring Canada, Astellas Canada, Shire Canada; Clinical Trials: CSL Behring Canada, Cidara, Shire Canada; Other: Merck (expenses, speaker related), Novartis (speaker honorarium)</td>
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<td>Wadhwa, Anupma</td>
<td>Clinical Vignettes Co-Chair/ Trainees’ Day Speaker</td>
<td>No Conflict Declared</td>
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<tr>
<td>Wang, Bing</td>
<td>Abstract Review Committee</td>
<td>No Conflict Declared</td>
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<td>Webster, Duncan V.</td>
<td>Oral Presenter</td>
<td>No Conflict Declared</td>
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<td>Willey, Barbara M.</td>
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<tr>
<td>Wong, Titus</td>
<td>Scientific Planning and Abstract Review Committees</td>
<td>No Conflict Declared</td>
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<tr>
<td>Wright, Alissa J.</td>
<td>Workshop Speaker</td>
<td>Advisory Board: Merck, Pendopharm (one-time advisory board/consultant roles for lertromovir and posaconazole, cefotazone-tazobactam, and telavancin); Clinical Trials: Shire (applying to be part of a maribavir study); Other: Merck/ Astellas (received money for travel expenses and/or honorarium for talks)</td>
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<td>Yamamura, Deborah L.</td>
<td>Sponsorship and Abstract Review Committees</td>
<td>No Conflict Declared</td>
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Immediate Family: Advisory Board - Spouse: AbbVie, Allergan, Celgene, Celltrion, Ferring, Hospira, Janssen, Lilly, Merck , Pfizer, Pharmascience, Shire, Takeda; Speaker Bureau - Spouse: AbbVie, Allergan, Ferring, Hoffman-La Roche, Janssen, Pfizer, Shire, Takedassee below; Payment - Spouse: (no gifts; only fully disclosed honorarium or expenses); Honorarium - Spouse: (honorarium for speaking)
Speaker Biographies

Adam, Heather J.
Dr. Heather Adam completed her PhD at the University of Manitoba (Department of Medical Microbiology and Infectious Diseases) in 2006. Subsequently, she completed a clinical microbiology post-doctoral fellowship at the University of Toronto (Department of Laboratory Medicine and Pathobiology). In 2009, Dr. Adam joined Diagnostic Services of Manitoba as a Clinical Microbiologist, sited at the Health Sciences Centre in Winnipeg. She is currently the section lead for Mycobacteriology within the microbiology discipline. She is an Assistant Professor in the Department of Medical Microbiology and Infectious Diseases, Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba. Dr. Adam chairs the Fellows of the Canadian College of Microbiologists standing committee, which is responsible for the certification process of Clinical Microbiologists in Canada. Dr. Adam is actively involved in research as part of the Canadian Antimicrobial Resistance Alliance (CARA) group, which is led by Dr. George Zhanel. As part of the CARA group, Dr. Adam oversees a number of national surveillance studies designed to assess the epidemiology and antimicrobial susceptibility patterns of pathogens isolated from patients receiving care in tertiary care hospitals across Canada. Heather is particularly interested in Streptococcus pneumoniae and the impact current vaccines have on the epidemiology of S. pneumoniae infections in Canada.

Bourassa, Carrie
Dr. Carrie Bourassa is a Chair in Indigenous and Northern Health and Senior Scientist at Health Sciences North Research Institute in Sudbury, Ontario and the Scientific Director of the Institute of Aboriginal Peoples’ Health at the Canadian Institutes of Health Research. Prior to taking the Chair position in October 2016 and the Scientific Director Position in February 2017, she served her communities as a professor of Indigenous Health Studies at First Nations University of Canada for fifteen years. Dr. Bourassa is an Indigenous community-based researcher and is proud to be the successful nominated principal investigator on two Canada Foundation for Innovation Grants that funded the Indigenous Community-based Health Research Lab in 2010 (renamed Morningstar Lodge) and most recently in April 2016 the Cultural Safety Evaluation, Training and Research Lab at First Nations University of Canada. She is a member of the College of New Scholars, Artists and Scientists of the Royal Society of Canada and is a public member of the College Council, Royal College of Physicians and Surgeons of Canada. Carrie’s research interests include the impacts of colonization on the health of Indigenous people; creating culturally safe care in health service delivery; Indigenous community-based health research methodology; HIV/AIDS, HCV among Indigenous people; end-of-life care among Indigenous people; dementia among Indigenous people, Indigenous Water Governance and Indigenous women’s health. Carrie is Métis, belonging to the Regina Riel Métis Council #34.

Charles, Marthe
Originally from Montréal, Dr. Marthe Charles graduated from Université de Montréal Medical School. Dr. Charles completed residency training at the University of Alberta. Her current practice includes general Medical Microbiology, Infection Prevention and Control and Education.

Chen, Justin
Dr. Justin Chen completed his MD at the University of British Columbia before moving to Edmonton for his Internal Medicine and Infectious Diseases training. He went on to accept a position at the Abbotsford Regional Hospital and Cancer Centre in BC prior to being recruited back to the University of Alberta Hospital where he is now practicing as an infectious diseases specialist and is the site medical director of the new Antimicrobial Stewardship Program.

Dalton, Bruce
Dr. Bruce Dalton is an infectious diseases and antimicrobial stewardship pharmacist working in Calgary. He graduated from pharmacy at University of Toronto in 1987 and again in 2001 (some people don’t get it right the first time). No, actually second time was the PharmD program. He has worked in infectious diseases in Calgary since 2004. Dr. Dalton has taught or currently teaches and precepts for the University of Toronto PharmD program, University of Alberta PharmD program, the post grad medical program at University of Calgary and the pharmacy residency program in Calgary. He has lead and collaborated on original research projects in drug utilization and benchmarking, adverse effects of antimicrobial agents and antimicrobial stewardship.

Drebot, Michael
Dr. Michael Drebot received his PhD in Microbiology in 1988 from Dalhousie University and was then awarded a postdoctoral fellowship in genetics from the Hospital for Sick Children (Toronto, 1988-1991). In 1991 he joined the National Centre for Enteroviruses in Halifax where he conducted research on the molecular diagnostics-epidemiology and genetics of polioviruses and various enteric pathogens and was cross-appointed as an adjunct professor within the Department of Microbiology and Immunology at Dalhousie University. In 1996, Dr. Drebot joined the Zoonotic Diseases program of Health Canada, Ottawa, as a research scientist. In 1999 he became the Chief of Viral Zoonoses within the Zoonotic Diseases and Special Pathogens (ZDSP) section of the National Microbiology Laboratory (NML) (Public Health Agency of Canada, Winnipeg) and in 2007 also took on the responsibilities of Director of the
Speaker Biographies

Drews, Steven J.
Dr. Steven Drews is a Clinical Virologist with the Provincial Laboratory for Public Health (ProvLab) Alberta. Dr. Drews completed his PhD in 2003 at the University of British Columbia, in Experimental Medicine (Infectious Diseases). He then completed his Clinical Microbiology Fellowship at the University of Toronto. Since then, he has focused on both the clinical microbiology and research aspects of respiratory infections and has been involved in respiratory virus surveillance and preparedness planning at a national level in Canada. Dr. Drews currently heads the province-wide influenza and acute respiratory viral diagnostics program at ProvLab Alberta. Dr. Drews has held faculty positions at both the University of Toronto and the University of Calgary. He is currently an Associate Professor in Laboratory Medicine and Pathology at the University of Alberta, Edmonton, Canada, and outgoing President of the Canadian College of Microbiologists.

Embil, John M.
Dr. John Embil is a specialist in internal medicine and infectious diseases. John undertook his undergraduate medical training at Dalhousie University in Halifax, and specialty training in Internal Medicine and Infectious Diseases at the University of Manitoba. John is currently the Medical Director of the Infection Prevention and Control Unit at the Health Sciences Centre, Winnipeg, Manitoba. John is member of the International Working Group for the Diabetic Foot and one of the Co-Authors of the Infectious Disease Society of America guidelines for the management of the diabetic foot. John’s research interests include the diabetic foot, blastomycosis, and hospital infection control.

Evans, Gerald A.
Dr. Gerald Evans is the Chair of the Division of Infectious Diseases and a Professor in the Departments of Medicine, Biomedical & Molecular Sciences, and Pathology & Molecular Medicine at Queen’s University and an attending Infectious Diseases physician at Kingston Health Sciences Centre and Providence Care Hospital in Kingston, Ontario. Dr. Evans has been Medical Director of Infection Prevention & Control at Kingston Health Sciences Centre and Providence Care Hospital since 2011. He is a consultant IPAC physician with Public Health Ontario. He is an Adjunct ICES Scientist and a co-investigator with the Ontario Drug Policy Research Network (ODPRN). He is active on a number of committees in AMMI Canada and the past Chair of the AMMI Canada Guidelines Committee. He was the President of AMMI Canada from 2009-2011 and is now the newly appointed Editor-in-Chief of the Journal of the Association of Microbiology and Infectious Disease Canada, affectionately known as “JAMMI”.

Fanella, Sergio
Dr. Sergio Fanella is originally from Windsor, Ontario, and went to medical school at the University of Ottawa. He completed his paediatrics residency and subspecialty training in Paediatric ID at the University of Manitoba, including a clinical research fellowship. He completed the Gorgas Course in Clinical Tropical Medicine in 2009. He has been on faculty (in Medical Microbiology and Paediatrics) since 2010. He is program director for the Paediatric ID training program at the University of Manitoba. He has interests in antimicrobial stewardship, MRSA infections in children, blastomycosis, and pertussis. He conducted a pilot program in antibiotic stewardship at Children’s Hospital of Winnipeg, and is currently working with several different groups to evaluate antimicrobial use in the outpatient setting, including the Manitoba Centre for Health Policy, as well as the Department of Family Medicine at the University of Manitoba.

Ghesquiere, Wayne G.
Dr. Wayne Ghesquiere is a Clinical Infectious Diseases, Tropical Diseases and Internal Medicine consultant in Victoria BC. He is the former section chief for infectious diseases with the Vancouver Island Health Authority. Wayne is an attending physician at the Royal Jubilee and the Victoria General Hospitals in Victoria. He graduated from McMaster Medical School and completed his Internal Medicine residency and ID fellowship at Dalhousie University. Wayne is a Clinical Assistant Professor of Medicine with UBC. He is also the chair of the annual Infectious Diseases Update in Victoria now in it’s 20th year. He serves as a Co-Site Director of GeoSentinel surveillance (BC) which is a joint project of the International Society of Travel Medicine & Centre of Diseases Control, Atlanta USA. One of over 60 world-wide sites monitoring infections in returning international travellers. Current areas of interests include clinical research in the area of Hepatitis C antiviral therapy, new vaccines, teaching and presenting. Recent publications in peer reviewed journals include the New England Journal of Medicine, Lancet, Journal of Clinical Infectious Diseases, CMAJ, Gut, Hepatology and Open Medicine.
Speaker Biographies

Goneau, Lee
Dr. Lee Goneau graduated with his PhD in Microbiology and Immunology from The University of Western Ontario in 2014 and went on to complete Post-Doctoral training in Clinical Microbiology at the University of Toronto in 2017. He is currently employed as a Clinical Microbiologist with the Public Health Ontario Laboratory overseeing testing of hepatitis, HIV, measles, mumps, rubella, and other miscellaneous viruses.

Grant, Jennifer
Dr. Jennifer Grant has practiced Microbiology and Infectious Diseases in Vancouver since 2007. In the past, she has served on the CHICA (now IPAC) Canada board as director of standards and guidelines. More recently she served as a member of the ASR committee at AMMI Canada and an advising member of Do Bugs Need Drugs. Her current concentration is on Antimicrobial Stewardship as the Medical Director of Vancouver Coastal Health’s ASPIRES programme – providing stewardship support for the Coastal Region of British Columbia. Research projects include quality improvement initiatives in antimicrobial utilization, *C. difficile* vaccination and treatment, and recently completed an AMMI Canada recommendation document on surveillance of antibiotic resistance and utilization for Canada. Away from medicine, Jennifer is mother to Sierra, Alexis and Océanne, and avid skier and mountain biker, making use of the coastal mountains whenever possible.

Haider, Shariq
Dr. Shariq Haider is Professor in the Department of Medicine, Division of Infectious Diseases McMaster University. He is also the Past Director of the Internal Medicine Residency Program McMaster University. Dr. Haider is the Clinical Head of the Transplant Malignant Infectious Disease Service at Juravinski Hospital and Cancer Center in Hamilton Ontario. Dr. Haider’s research interests are in the area of Infections in Immunocompromised Hosts: with a special interest in HIV, Hepatitis C, Cancer, and Bone Marrow Transplant Patients.

Krajden, Mel
Dr. Mel Krajden is the Director of BC’s Public Health Laboratory and the Medical Head, Hepatitis at the British Columbia Centre for Disease Control. He is also a Professor of Pathology and Laboratory Medicine at the University of British Columbia. Dr. Krajden’s clinical research involves integration of hepatitis prevention and care. His laboratory research involves the application of molecular and genomic techniques to: diagnose viruses; assess correlates between infection and clinical disease; monitor antiviral efficacy and track microbial infections. He has extensive clinical trials expertise and is a Coinvestigator/Mentor on the CIHR funded National Research Training Program (CanHepC).

Kumar, Anand
Dr. Anand Kumar is a Professor of Medicine (Critical Care Medicine and Infectious Diseases), Medical Microbiology and Pharmacology/Therapeutics at the University of Manitoba and an attending physician at the Health Sciences Centre and St. Boniface Hospital, Winnipeg, Manitoba, Canada. He earned his medical degree from the University of Toronto in Ontario, Canada and completed his residency in Internal Medicine at the Toronto Hospital—University of Toronto. Dr. Kumar subsequently completed Fellowships in Critical Care Medicine and Cardiovascular Research at Rush-Presbyterian-St Luke’s Medical Center in Chicago and Infectious Diseases at the University of Wisconsin Hospital and Clinics in Madison, Wisconsin. Dr. Kumar is trained in Internal Medicine, Critical Care Medicine and Infectious Diseases with translational research interests in sepsis and life-threatening infections.

Kus, Julianne V.
Dr. Julianne Kus completed her Bachelors, Masters and Doctoral studies at the University of Toronto where her research focused on using molecular microbiology to study resistance and virulence and mechanisms of bacterial pathogens. After a research-based post-Doctoral fellowship, Julianne began her clinical training at the University of Toronto in the Clinical Microbiology Fellowship program. Currently Julianne is the clinical lead for Mycology and Bacterial Reference Identification at Public Health Ontario and an Assistant Professor at the University of Toronto in the Department of Laboratory Medicine and Pathobiology. Julianne has over 25 peer reviewed publications, is a co-author on the recent CLIS guidance document on the use of MALDI-ToF MS in clinical microbiology laboratories and is a member of several provincial and national infectious diseases and microbiology working groups. Her research work focuses on emerging pathogens, antimicrobial resistance and new technologies for diagnostic microbiology.

Laverdière, Michel
Dr. Michel Laverdière is Professor of Microbiology and Infectious Diseases at the Department of Microbiology Immunology and Infectious Diseases of the University of Montreal. Dr. Laverdière is currently member of the Department of Medicine at Hôpital Maisonneuve-Rosemont in Montréal. He has served as President of AMMI Canada for several years, and has directed during many years the diagnostic laboratories program at Hôpital Maisonneuve-Rosemont, a tertiary care university-affiliated hospital serving a population of over 660,000 people.

Dr. Laverdière’s major interest include diagnosis and management of infectious diseases in immunocompromised hosts, particularly fungal infections in hematologic cancer patients and hematopoietic stem cell transplant recipients.
Speaker Biographies

He has participated to many clinical studies on the efficacy and safety of triazoles and echinocandins in invasive fungal infections. Dr. Lavergne has authored over 150 peer-reviewed journals and books publications.

LeBlanc, Jason J.
Dr. Jason LeBlanc is the Director of Virology, Immunology, and Molecular Microbiology, Division of Microbiology, Department of Pathology and Laboratory Medicine, at Nova Scotia Health Authority (NSHA). Dr. LeBlanc completed his Msc in Biochemistry at the Université de Moncton (UdeM) in 2003 and PhD in Microbiology and Immunology with a specialization in molecular pathogenesis at Dalhousie University in 2006. He then completed his Clinical Microbiology Fellowship in Halifax, NS. Dr. LeBlanc’s is a versatile collaborator with research interests include the molecular diagnostics, epidemiology, and pathogenesis of emerging pathogens and vaccine-preventable diseases. He is an investigator for the Serious Outcomes Surveillance Network of the Canadian Immunization Research Network (CIRN SOS) and Canadian Centre for Vaccinology (CCfV), and he collaborates regularly with the National Microbiology Laboratory (NML). Dr. LeBlanc’s area of research has focused primarily on the epidemiology of Streptococcus pneumoniae, influenza virus, and emerging viruses. Dr. LeBlanc currently holds a faculty position as Associate Professor at Dalhousie University, with appointments in Pathology, Medicine, and Microbiology and Immunology. He is the current President of the Canadian College of Microbiologists, and he chairs the Specialist Microbiologists in Biosafety Officers (SCCM/BSO) committee.

Lee, Shirley
Dr. Shirley Lee completed her medical degree at Western University in 1992, followed by her certification in family and emergency medicine at the University of Ottawa in 1995. She completed her Masters in education degree at the University of Toronto in 2000. Previously she was the Education Director for the Schwartz/Reisman Emergency Centre, Mount Sinai Hospital, Sinai Health System. She is an associate professor at the University of Toronto. She has been involved in medical education at the undergraduate, postgraduate and faculty development level, nationally and internationally. Her areas of interest are in curriculum development, e-learning, knowledge translation tools, assessment and evaluation. Nationally, she has served with organizations such as the Canadian Association of Emergency Physicians (CAEP), the Canadian Association of Medical Education (CAME), the Royal College of Physicians and Surgeons of Canada (RCPSC) and the College of Family Physicians of Canada (CFPC). Dr. Lee has been recognized for her contributions to medical education by her peers at several levels. She has been the recipient of a number of teaching awards including the prestigious W.T.Aikins Faculty Teaching award (U of T), the Helen P. Batty Award for Innovation in Program Development and Design, by the Centre for Faculty Development (U of T), the inaugural Dr. Richard Kohn Memorial Award for Mentorship in Emergency Medicine (CAEP), and the Certificate of Merit award (CAME). In 2013, she developed the Supplemental Emergency Medicine Experience (SEME) program in collaboration with the Ministry of Health and Long-Term Care and the University of Toronto’s Department of Family and Community Medicine. This continuing professional development program was developed for family physicians to enhance delivery and access to care in rural and remote areas of Canada. In 2016, the SEME program was awarded the Anderson Award in Program Innovation and Development at the University of Toronto. She joined the CMPA in 2016.

Levett, Paul N.
Dr. Paul Levett is a board-certified clinical microbiologist. He completed his PhD on Clostridium difficile in the United Kingdom. After spending many years working in the Caribbean, he began his northward migration, via the Centers for Disease Control and Prevention in Atlanta. He was the Clinical Director at the Saskatchewan Disease Control Laboratory in Regina from 2003 until 2017 and is an Adjunct Professor in the School of Graduate Studies and Research at the University of Regina. He was elected to Fellowship of the American
Speaker Biographies

Dr. David Moher is a senior scientist, Clinical Epidemiology Program, Ottawa Hospital Research Institute, and Associate Professor, School of Epidemiology and Public Health, Faculty of Medicine, University of Ottawa, where he holds a University Research Chair. Dr. Moher studies journalism (publication science). He spearheaded the development of the CONSORT and PRISMA Statements and has been involved with several other reporting guideline initiatives. He is leading a program to develop core competencies for medical journal editors. He is actively developing a program to investigate alternatives to current incentives in academic medicine.

Dr. Muhammad Morshed is a Clinical Microbiologist and Program Head of Zoonotic Diseases and Emerging Pathogens as well as parasitology Laboratories of BC CDC Public Health Laboratory. He is also a Clinical Professor, Department of Pathology & Laboratory Medicine, Faculty of Medicine, UBC. Dr. Morshed obtained his PhD degree from the Yamaguchi University School of Medicine, Japan in 1994. He received his specialty training at the Research Institute of Tuberculosis in Tokyo, Japan and from the College of Natural Resources, University of California, Berkeley. His laboratory is responsible for specialized serology testing, molecular testing and microbial fingerprinting, program evaluation and research. His research focuses on surveillance of zoonotic and emerging pathogens. Organisms of interest are Treponema pallidum, Borrelia burgdorferi, and Helicobacter pylori. His laboratory is also involved with field studies on zoonotic and vector-borne diseases (mice, ticks and mosquitoes) across British Columbia. Dr. Morshed is also recognized by the national and international research community for his expertise on spirochaetal diseases such as Lyme disease, Syphilis and Helicobacter pylori. He is also member of many provincial, national and international working groups and networks in the area of zoonotic and emerging pathogens. Dr. Morshed published over 100 research articles and attended over 70 Scientific Conferences locally and internationally. Dr. Morshed holds memberships in the American Society for Microbiology, Canadian Association for Clinical Microbiology and Infectious Diseases, Japan Anti-Tuberculosis Association and is a registered member of the Canadian College of Microbiologists (CCM). He is also serving on the CCM Executive Board as Treasurer since 2012. Dr. Morshed received an Excellence in Clinical Services Award from UBC’s Department of Pathology & Laboratory Medicine in 2016, as well as being named a winner in the RBC Top 25 Canadian Immigrant Awards in 2017.

Dr. Pamela Orr started her career as a general practitioner working in northern Manitoba and the Arctic. She is currently a Professor of Medicine, Medical Microbiology and Community Health at the University of Manitoba in Winnipeg. She is engaged in research partnerships with First Nations, Metis and Inuit communities to support health and wellness. Dr. Orr is currently on the Board of the International Union Against TB and Lung Disease, and is a member of their Global Indigenous TB Working Group. She is Vice-President of the Circumpolar Health Research Network and Associate Editor of the International Journal of Circumpolar Health. Dr. Orr is past President of the Canadian Society for Circumpolar Health and the International Union for Circumpolar Health, and has previously worked as a consultant for WHO and several international NGOs.
Speaker Biographies

**Patel, Robin**

Dr. Robin Patel graduated from Princeton University with a BA in Chemistry in 1985 and from McGill University in Montreal, Canada with an M.D.(C.M.) in 1989. She then moved to Rochester, Minnesota, where she completed residencies in Internal Medicine and Microbiology and a fellowship in Infectious Diseases at the Mayo Clinic. In 1996, upon completion of post-graduate training, she joined the staff of the Mayo Clinic. She is currently Professor of Medicine and Professor of Microbiology, the Elizabeth P. and Robert E. Allen Professor of Individualized Medicine, Director of the Clinical Bacteriology Laboratory and the Infectious Diseases Research Laboratory, and Chair of the Division of Clinical Microbiology, at Mayo Clinic. Dr. Patel is board certified in Infectious Diseases (American Board of Internal Medicine), Medical Microbiology/Public Health Microbiology (American Board of Medical Microbiology), Clinical Pathology/Medical Microbiology (American Board of Pathology), and Internal Medicine, Medical Microbiology and Infectious Diseases (Collège des Médecins du Québec and Royal College of Physicians and Surgeons of Canada). Dr. Patel's research focuses on clinical bacteriology diagnostic testing, antimicrobial resistance, and microbial biofilms. She has published over 250 peer reviewed manuscripts and has delivered numerous national and international presentations. She is a Fellow of American Academy of Microbiology, a past member of the IDWeek Program Planning Committee, a past chair of the United States Medical Licensing Examination Microbiology and Immunology Test Material Development Committee, co-chair of the ASM Microbe 2016-2018 Program Planning Committee, and serves on the ASM Board of Directors. She is an associate editor for the Journal of Clinical Microbiology and Clinical Infectious Diseases and course director for the Mayo Medical School Microbiology course.

**Poutanen, Susan M.**

Dr. Susan Poutanen is a Medical Microbiologist and Infectious Diseases Physician at Mount Sinai Hospital & University Health Network in Toronto, Canada and an associate professor in the Department of Laboratory Medicine and Pathobiology and Department of Medicine at the University of Toronto. Dr. Poutanen received her Medical Degree from the University of Toronto in 1996 and completed Internal Medicine and Medical Microbiology Residencies at the University of Toronto and an Infectious Diseases Fellowship at Stanford University, California. She received her Master of Public Health with a focus on Epidemiology from the University of California, Berkeley in 2002. Her broad research interests include: the epidemiology and detection of antimicrobial resistance; the diagnosis of and preparedness for emerging infectious diseases; the use of fecal microbiota transplantation in patients with recurrent *Clostridium difficile* infection and other emerging indications; and the optimization of microbiology laboratory practices to support antimicrobial stewardship and patient care.

**Reyes, Romina C.**

Dr. Romina Reyes is currently the Clinical Director of Microbiology and the Deputy Medical Director for LifeLabs, BC. Dr. Reyes also has a clinical appointment of Associate Professor of the University of British Columbia Department of Pathology and Laboratory Medicine. In addition, her appointments include Vice-Chair of the BC Diagnostic Accreditation Program Committee, Consultant for the BC Laboratory Agency Medical Microbiology Working Group, Executive Member of the Royal College of Physicians and Surgeons Medical Microbiology Examination Committee, Voting Member of the Royal College of Physicians and Surgeons Specialty and Regulatory Committee for Medical Microbiology, Member of the Mycology and Parasitology committees for Clinical Microbiology Proficiency Testing (CMPT). She also maintains an active teaching and educational role with University of British Columbia (UBC), Department of Medicine. She lectures in the Undergraduate Medical School, in the Post-Graduate residency training program and in UBC Faculty of Medicine Laboratory Quality Management Course.

**Richardson, Susan E.**

Dr. Susan Richardson is a medical microbiologist and infectious diseases physician. She obtained her MD from McGill University in 1976 and has fellowships in Internal Medicine, Infectious Diseases and Medical Microbiology from the Royal College of Physicians and Surgeons of Canada. She is a Senior Associate Scientist in the Research Institute at The Hospital for Sick Children, an Adjunct Scientist in Mycology at the Public Health Ontario and a Professor in the Department of Laboratory Medicine and Pathobiology at the University of Toronto. Dr. Richardson is Chief of the Department of Paediatric Laboratory Medicine and Head of the Division of Microbiology at The Hospital for Sick Children. Her research interests are in the areas of invasive fungal infections and fungal diagnostics, optimization of pediatric diagnostic microbiology, the rapid diagnosis of viral respiratory infections and molecular diagnostics as applied to pediatric infectious diseases.

**Rotstein, Coleman**

Dr. Coleman Rotstein is Professor of Medicine in the Division of Infectious Diseases at the University of Toronto and Attending Physician at the University Health Network, Toronto, Ontario. He received a Bachelor of Science at the University of Toronto and earned his medical degree from the University of Calgary in 1976. Dr. Rotstein completed his specialty training in Internal Medicine at the University of Toronto and pursued further subspecialty training in...
Speaker Biographies

Infectious Diseases & Immunology at the Medical University of South Carolina in Charleston, South Carolina from 1980 to 1983 [ABIM (1980), FRCP (Internal Medicine 1981), Infectious Diseases ABIM (1982)].

Dr. Rotstein is currently the Director of Oncologic Infectious Diseases of the Immunocompromised Host Infectious Diseases Service at the University Health Network. He serves on the Board of the Canadian Foundation for Infectious Diseases and is the Chair of the Awards Committee of the Foundation. Dr. Rotstein is also a member of the National Advisory Committee on Immunization of the Public Health Agency of Canada. He is also former Director of the Division of Infectious Diseases at McMaster University, past Chair and Secretary of the Infectious Diseases Section of the Ontario Medical Association, former Co-chair of the Emerging Infectious Diseases Network, former Past-President of the Association of Medical Microbiology and Infectious Disease Canada, former President of the Canadian Infectious Disease Society, and former Chair of the Clinical Trials Committee of the Canadian Infectious Disease Society. In addition, he has been elected a fellow of the American College of Physicians and the Infectious Diseases Society of America. He is also a fellow of the European Confederation of Medical Mycology. He is a reviewer for several international journals and was formerly Associate Editor, Review Section, for the Canadian Journal of Infectious Diseases and Medical Microbiology. Dr. Rotstein has published over 170 peer-reviewed papers. His research interests have focused mainly on infections in cancer patients and other immunocompromised hosts as well as fungal infections caused by Candida organisms. He maintains active research interests in clinical trials involving antifungal agents in immunocompromised hosts.

Sadarangani, Manish
Dr. Manish Sadarangani is Director of the Vaccine Evaluation Center at the BC Children’s Hospital Research Institute and an Assistant Professor in the Division of Infectious Diseases, UBC Department of Pediatrics. He completed his undergraduate medical training and pediatric residency in Cambridge, Oxford and London in the UK. He then completed his DPhil with the Oxford Vaccine Group in the UK, developing novel vaccine candidates for protection against capsular group B meningococcal disease, and completed a Fellowship in Pediatric Infectious Diseases in Vancouver in 2013 before returning to Oxford to work as a Pediatric Infectious Diseases physician. He is involved in pre-clinical vaccine development, multi-center clinical trials and infectious disease epidemiology. Specific research interests include meningococcal disease and meningococcal vaccines, bacterial conjugate vaccines, understanding vaccine-induced immunity using systems biology approaches, meningitis and encephalitis, maternal immunization, the microbiota and antibiotic resistance and antimicrobial stewardship.

Sanguinetti, Maurizio
Dr. Maurizio Sanguinetti is the Chief of the Division of Clinical Microbiology, “A. Gemelli” Hospital and the Director of the Institute of Microbiology, Università Cattolica del Sacro Cuore (UCSC) in Rome, Italy. He received his medical degree in 1991 from the Università Cattolica del Sacro Cuore and became a Specialist of Microbiology and Virology in 1996. Dr. Sanguinetti is a Fellow of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID) has held numerous position within various organizations, including: Secretary of ESCMID, Invasive Fungal Infections Study Group (EFISG) (2010 - 2015); Representative of the Italian Society of Human and Animal Mycology at the European Confederation of Medical Mycology (ECMM) (2011 - 2017); Member of the ESCMID Educational Subcommittee (2012 - 2015); Member of the ESCMID Executive Committee (2015 to present); Professional Affairs Officer of ESCMID (2015 to present); Member of the Executive Committee of the Italian Society of Microbiology (SIM) (2013 to present); Member of the Executive Committee of the Association of the Italian Clinical Microbiologists (AMCLI) (2014 to present). Dr. Sanguinetti currently sits on the Editorial Boards for the Antimicrobial Agents and Chemotherapy, Journal of Clinical Microbiology, Journal of Chemotherapy along with the Journal of Chemotherapy, and Mycoses. His publications include 218 (210 peer-reviewed and in English), h-index 54 (Google Scholar), 44 (Scopus) and 42 (ISI) and, from 2012, is included among the “Top Italian Scientists” (Via-Academy). His research interests range from the development of molecular methods for rapid diagnosis of bacterial, mycobacterial and fungal infections to the elucidation of virulence and antimicrobial resistance traits in Cryptococcus, Candida, and Enterococcus, and the characterization of the human microbiota in relationship to human diseases.

Skinner, Stuart
Dr. Stuart Skinner is a Clinical Assistant Professor at the University of Saskatchewan and based at the Regina Infectious Disease Clinic. He provides HIV, hepatitis C and chronic disease outreach clinics supporting 21 First Nation communities in Saskatchewan. He is an integral partner in the Know Your Status initiative addressing HIV in First Nations in Saskatchewan and is a CIHR funded researcher whose focus is on supporting community led and developed programs that improve healthcare delivery and partnerships for First Nation communities.

Smith, Stephanie W.
Dr. Stephanie Smith completed her medical degree at Dalhousie University before moving to Edmonton, AB for internal medicine residency and Infectious diseases training. She then completed a Masters in Clinical epidemiology at...
University of Toronto before returning to Edmonton. She is now an associate professor at the University of Alberta and the medical director for Infection Prevention and Control at the University Hospital and Cross Cancer Institute. Her research focuses on antibiotic resistance and prevention of hospital acquired infections. She served as ID program director at the University of Alberta for 8 years and is involved in mentorship programs for both undergraduate and postgraduate medical education.

**Steiner, Theodore**

Dr. Theodore Steiner is Professor of Medicine and Associate Head of Infectious Diseases at UBC. He completed Infectious Diseases training at the University of Virginia before moving to Canada in 2000. He maintains a clinical practice in adult infectious diseases with a focus on infectious diarrhea and tropical medicine. His research focus is on intestinal immunology and the response to enteric pathogens, with a focus on C. difficile and inflammatory bowel disease.

**Vinh, Donald**

Dr. Donald Vinh obtained his medical degree in 2001 from McGill University. He completed Internal medicine residency (at McGill), then a combined fellowship in Infectious Diseases (at the University of Manitoba) and in Medical Microbiology (at McGill). He subsequently completed a post-doctoral translational research fellowship at the National Institutes of Health (NIH) to understand inborn errors of immunity that render humans susceptible to infections, particularly fungal diseases. This research, in the laboratory of Dr. Steve Holland, was supported by a CIHR post-doctoral fellowship award and a NIH Visiting Fellow award. This work focused on understanding chronic granulomatous disease, Job’s syndrome, and defects in the interleukin (IL)-12/interferon (IFN)-gamma axis. It culminated in the discovery of a new genetic immunodeficiency, MonoMac syndrome, due to mutations in GATA2. His work earned him the Canadian Foundation for Infectious Diseases’ “Excellence in Infectious Disease Research Award” in 2010 and the 2013-2014 “NIH Merit Group Award” as a member of the GATA2 Discovery Group.

Dr. Vinh is Associate Professor and Fonds de recherche du Québec – Santé (FRQS) Clinician-Scientist in the Division of Infectious Diseases & Medical Microbiology and the Division of Allergy & Clinical Immunology, in the Department of Medicine at the MUHC. He has established the Infectious Disease Susceptibility Program, a translational research program that focuses on deciphering how genetic defects of the immune system render patients susceptible to infectious diseases. His work on CARD9 deficiency and susceptibility to invasive fungal disease was recognized by AMMI Canada’s “Young Investigator Award” (2016).

**Wadhwa, Anupma**

Dr. Anupma Wadhwa is a paediatric infectious diseases staff physician at the Hospital for Sick Children in Toronto, Canada. She is an associate professor and clinician educator in the Department of Paediatrics at the University of Toronto.

**Wright, Alissa**

Dr. Alissa Wright is a Clinical Assistant Professor at the University of British Columbia (UBC) within the Division of Infectious Disease. She received her medical degree from the University of Toronto. She completed her training in Infectious Disease at UBC before going on to complete a two-year fellowship in Transplant Infectious Disease at Massachusetts General Hospital in Boston. Her clinical responsibilities include the care of pre- and post-transplant patients at Vancouver General Hospital and St Paul’s Hospital in Vancouver. She is a consultant for BC Transplant on infectious disease issues in organ donors. Her goal is to establish a comprehensive Transplant Infectious Disease program for the province of British Columbia for both solid organ and hematopoietic stem cell transplant recipients.
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We are a global, broad-based health care company devoted to discovering new medicines, new technologies and new ways to manage health. We are displaying products from our Molecular and Diagnostic Divisions.

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**Accelerate Diagnostics**  
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**Canadian Foundation for Infectious Diseases (CFID)**

**REGISTRATION AREA**

CFID is a charitable organization committed to improving the health of Canadians through the support of research and dissemination of knowledge pertaining to infectious diseases. CFID’s vision is to achieve effective research outcomes, strong and extensive stakeholder connections, successful advocacy and a positive impact on public policy.

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**Eddie Johnson**
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Website: www.greenpureair.com

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**Infectious Diseases Society of America and IDWeek**

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We improve patient care through the delivery of an antimicrobial stewardship and infection control software that generates alerts based on published local guidelines. Lumed is a partner of bioMérieux.

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**Micronostyx Inc.**

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Nosotech

Nosotech provides the most complete and efficient software solutions for antimicrobial stewardship and infection control combining user-friendly solutions, top clinical expertise and best-in-class customer support.

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Website: www.rochecanada.com

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Theratechnologies

Theratechnologies (TSX: TH) is a specialty pharmaceutical company addressing unmet medical needs to promote healthy living and an improved quality of life among HIV patients.

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