

27th Annual Conference of
the Union-North America Region

END TB

**FEB
22-25
2023**

Sheraton Wall
Centre Hotel
Vancouver, BC



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CONTINUING MEDICAL EDUCATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Education Medical Education (ACCME) through the joint providership of the Curry International Tuberculosis Center and The Union-North America Region. The Curry International Tuberculosis Center is accredited by ACCME to provide continuing medical education for physicians and is approved as a provider of continuing education by the California State Board of Registered Nursing, Provider CEP 12308.

This educational activity has been designated for up to **22 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity. Board requirements prevent us from offering CE credit to people who arrive more than 15 minutes after the start of the educational conference or leave the educational conference early. Therefore, ***partial credit will not be awarded***. Certificates will be available on the Curry International Tuberculosis Center website approximately twelve weeks after the educational conference to all participants who successfully completed the CME activity requirements. Successful completion includes attending the entire educational conference and completing an online evaluation.

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Kevin Schwartzman

MD, MPH

*President, The Union
North America Region*

On behalf of The Union-North America Region, I am delighted to welcome you to our 27th Annual End TB Conference. The conference is a highlight and a “don’t miss” for all those working in TB in our region. Dr. Jonathan Golub and the skilled support of the BC Lung Foundation has again assembled a superb program. We are excited to share key advances in TB science and care. Our conference provides unparalleled opportunities to connect with colleagues and friends, new and old; to share experiences; and to learn. We are particularly privileged to be joined by TB survivors and civil society allies. We are also honored to welcome our region’s awardees, who have distinguished themselves by their innovation, leadership, and unceasing commitment to ending TB. I look forward to seeing you and to learning together. Welcome to Vancouver!



Jonathan Golub

PhD, MPH

*2023 Program Chair/Vice-President
The Union, North America Region*

We are thrilled that you have joined us in Vancouver for the ENDTB: 27th Annual Conference of The Union – North America Region! Our multidisciplinary planning committee has assembled an engaging lineup of speakers that will cover timely topics in TB prevention and care, including the updated Global Plan to End TB, TB and pregnancy, subclinical TB, community engagement, recent therapeutic trials, and novel diagnostics. We are also thrilled to have Dr. Barbara Seaworth and Dr. Amy Kirby as our keynote speakers for the George Comstock Lecture and the Beyond TB Lecture, respectively. This year we have expanded our programming on challenging clinical TB cases chaired by our multidisciplinary expert panel. We also hope you have chosen to join us early for our two free pre-conference postgraduate workshops on research literacy and advocacy for clinicians, researchers and survivors, and an introduction to implementation science. It is wonderful to have you here in person, to bring together TB advocates, survivors, scientists, clinicians, and program managers, to network and discuss the latest in TB.

The George Comstock Lecture

acknowledges Dr. Comstock's pioneering work and leadership over many decades. His direct and personal involvement in advanced research of tuberculosis spanned the period of early BCG trials to the modern era of molecular biology. His steadfast advocacy and tremendous depth of wisdom solidly based on experience was a guiding force for all health workers in the various fields of tuberculosis research all around the world, not only in the United States. His mentorship led us to many fruitful investments in research in tuberculosis prevention. This year's George Comstock Lecture is presented by Dr. Barbara Seaworth.



Barbara Seaworth, MD

Dr. Seaworth is the Medical Director for the Heartland National Tuberculosis Center in San Antonio, Texas. She received her medical degree from Washington University in St. Louis and completed a fellowship in Infectious Disease at Duke University. She has over 30 years experience with treatment of TB including complex and multi-drug resistant tuberculosis. She serves as an expert TB consultant for the State of Texas, the Texas Binational Program along the Texas border with Mexico, and as a Consultant with the Global TB Network TB Consilium. She is the Co-Medical Director for San Antonio Metropolitan Health District TB Clinic, Co-Chair of the Community Research Advisory Group for the CDC sponsored TB Trial Consortium, a Professor of Medicine at University of Texas Health Science Center, Tyler, and is a Fellow of the Infectious Disease Society of America.

THE BEYOND TB LECTURE

When The Union was founded in 1920,

the organizers rallied around the dream of eliminating tuberculosis as a public health threat. Since that time, we have seen the development and implementation of the DOTS strategy, the identification of linkages between poverty and TB, and the introduction of new technologies. Yet, TB remains a global threat. The Beyond TB Lecture of The Union-NAR conference serves to focus attention on forces outside the traditional TB world, assisting us to look beyond the usual partners, usual paths, and usual solutions to innovation and novel public health strategies to achieve our goal. This year's Beyond TB Lecture will be presented by Dr. Amy Kirby.



Amy E. Kirby, PhD, MPH

Dr. Amy Kirby is an Environmental Microbiologist in the Waterborne Disease Prevention Branch and the Program Lead for the National Wastewater Surveillance System (NWSS) at the Centers for Disease Control and Prevention (CDC). She has a Bachelor of Science in Agriculture from the University of Georgia, a PhD in Microbiology from the University of Buffalo, SUNY, and a Master of Public Health in Epidemiology from Emory University. At CDC, Dr. Kirby is interested in leveraging environmental microbiology methods to measure pathogens, antibiotic resistance genes, and other health indicators in natural and man-made water systems.

LIFETIME ACHIEVEMENT AWARDS

The Lifetime Achievement Award

of the Union-North America Region is the highest award given by the region. It is presented to recipients who have made an outstanding contribution in the field of Tuberculosis over an entire career. The contribution may have been in any aspect of TB, including basic science, epidemiology, public health, advocacy, patient care, education, nursing, and laboratory science. Nominees may be working in any position, organization, or profession.



Dr. Max Salfinger

Dr. Salfinger received his medical degree from the University of Basel School of Medicine, Switzerland. He was a clinical microbiology fellow at the University Hospital Basel and in 1981, he was appointed as the director of the tuberculosis laboratory at the University of Zurich where his laboratory was designated by the Swiss Federal Office of Public Health as the Swiss National Reference Center for Mycobacteria. From 1986-1988, he completed a sabbatical with National Jewish Health and the University of Colorado Health Sciences Center, Denver, Colorado which resulted in the establishment of the radiometric broth-based antimicrobial susceptibility assay for pyrazinamide against tubercle bacilli.

Dr. Salfinger recently retired as a Professor of Public Health Practice at the University of South Florida (USF) College of Public Health. He taught, among other courses, a laboratory management course in a unique online DrPH program with its concentration “Public Health and Clinical Laboratory Science and Practice,” created to provide professional development for aspiring laboratory directors while still working. He is currently a collaborative research professor with the USF Morsani College of Medicine Department of the Internal Medicine Division of Infectious Disease and International Medicine.

Prior to USF, Dr. Salfinger was the Director of the Mycobacteriology and Pharmacokinetics

Laboratories and the Executive Director of the Advanced Diagnostic Laboratories at National Jewish Health. Before joining National Jewish Health, he was the Florida State Public Health Laboratory Director from 2006-2012, as well as the Acting Florida State TB Controller for his last 19 months with the Florida Department of Health. From 1992 to 2006, Dr. Salfinger was with the New York State Department of Health Wadsworth Center where he implemented the model Fast Track for tuberculosis testing. The New York State Department of Health received the Association of State and Territorial Health Officials (ASTHO) Vision Award - Achieving Excellence In Public Health Through Innovation – for the development of the Fast Track for Tuberculosis Testing Program.

Dr. Salfinger has trained more than 60 International Fogarty Fellows, School of Public Health Interns, and visiting scientists. He has published more than 190 articles and book chapters in the field of tuberculosis and nontuberculous mycobacteria and has given more than 300 lectures in 28 US states and 30 countries, including 2 commencement addresses: at the graduation of the Master of Science in Laboratory Sciences Program, New York State Department of Health, Albany, NY and at the graduation of the Colorado Center for Medical Laboratory Science at Metropolitan State University of Denver, Denver, CO.

Dr. Salfinger is currently an Associate Editor of the International Journal for Tuberculosis and Lung Disease and a member of the editorial board of the Journal of Clinical Microbiology, Clinical Infectious Diseases, and Infection. He is an advisor to the CLSI Antimycobacterial Susceptibility Testing Working Group. Dr. Salfinger is a member of the International Union Against Tuberculosis and Lung Disease since 1983 and is a Fellow of the American Thoracic Society (ATSF), the Infectious Disease Society of America (FIDSA), and the American Academy of Microbiology (FAAM).



Dr. Charles A. Peloquin

Professor Chuck Peloquin received his Bachelor of Science in Pharmacy from the University of Connecticut, and his Doctor of Pharmacy from the Philadelphia College of Pharmacy and Science. He completed his residency at Duke University Medical Center and his fellowship in Infectious Diseases and Pharmacokinetics at the Millard Fillmore Hospital in Buffalo, New York.

Currently, he serves as a Professor and Division Head, Translational Research, and as the Jack C. Massey Endowed Professor within the University of Florida College of Pharmacy. He also serves as a member of the University of Florida Emerging Pathogens Institute.

For 35 years, Prof. Peloquin has been the Director of the Infectious Disease Pharmacokinetics Laboratory (IDPL), first at National Jewish Health in Denver, and for the past 14 years, at the University of Florida. The IDPL is an international reference clinical and research laboratory, specializing in antibiotic pharmacology and therapeutic drug monitoring.

Prof. Peloquin is a contributor to the US national TB Treatment Guidelines, the US national AIDS Opportunistic Infection Guidelines, selected WHO TB Treatment Guidelines, and the Curry International TB Center Drug-Resistant TB “Survival Guide.” He has authored close to 400 manuscripts, including over 230 original research articles, over 50 review articles, and over 50 book chapters.

NORTH AMERICAN REGION TRAVEL GRANT AWARDEES



Lucas Blackmore

Lucas Blackmore is a Master's of Public Health candidate at Brown University with a focus on biostatistics, epidemiology, and global health. He completed a Bachelor of Science in Biopsychology at Queen's University. Lucas has gained practical experience interning with the Clinton Health Access Initiative in Ethiopia and Rwanda. Lucas has also volunteered as an EMT and campus first aid responder. In his spare time, he is involved in several clubs and leadership roles, including as finance chair for the Brown School of Public Health Graduate Student Council and as operations liaison for Doctors Without Borders at Queen's University.



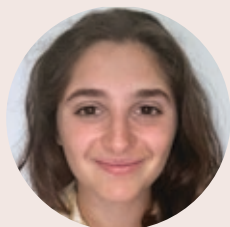
Cedric Kafie

Cedric Kafie (B. Eng) is a research assistant at the McGill International Tuberculosis Centre and the Research Institute of the McGill University Health Centre. He is currently a second-year medical student at McGill University and worked previously in engineering and project management. His research interests include health economics and infectious diseases.



Jorge Cervantes

Jorge Cervantes, M.D., Ph.D. is an Assistant Professor and Lab Director at Paul L. Foster School of Medicine, a minority-serving institution at the U.S.-Mexico border. His research interests include antimicrobial peptides, and host-pathogen interactions in the field of tuberculosis, leprosy, human microbiome, Lyme disease, and multiple sclerosis. He is an advocate for scientific integration into medical education.



Anne Shapiro

Anne Shapiro is a third-year PhD candidate in the department of Biostatistics at Boston University. Her research interests include developing methods to use surveillance data to understand the TB care cascade and identify barriers to accessing and receiving care. Her thesis work investigates how the introduction of a novel diagnostic test for sub-clinical TB would impact community spread.



Samantha Malatesta

Samantha Malatesta is a PhD student in the Department of Biostatistics at Boston University School of Public Health. Her research focuses on developing statistical methods for the analysis of respondent driven sampling data. She also collaborates as a data analyst on two studies in South Africa examining the impacts of substance use on TB transmission and response to therapy.



Amanda Biewer

Amanda Biewer, MPH, is a Clinical Research Assistant II at Beth Israel Deaconess Center. Her research interests include TB diagnostics, TB stigma, and social determinants of health related to infectious diseases.



Abarna Pearl

Dr. Pearl completed her internal medicine residency at the Cleveland Clinic before joining the Beth Israel Deaconess Medical Center Infectious Diseases Fellowship Program in 2021. Her clinical interests lie in infection control/ healthcare epidemiology, global health, and environmental sustainability. She is undertaking the infection control/ healthcare epidemiology track and aims to complete a Master's degree in Public Health. This year, she has worked as part of an international research collaboration with Dr Ruvandhi Nathavitharana to write a systematic review, commissioned by the World Health Organization (WHO), to understand the barriers and enablers to the global implementation of molecular WHO-recommended rapid tuberculosis (TB) diagnostics. Her career aspirations are to practice general infectious diseases and hospital epidemiology, and to use her expertise to strengthen infection control/hospital epidemiology infrastructure in low-and middle-income countries.



Joseph Lindsey

Joseph is a Data Analyst at the NYC Department of Health in the Bureau of TB Control. He received his MPH in Community-Oriented Primary Care from the George Washington University in Washington, DC in May of 2020. Shortly after, he began his public health career at the CDC in the Public Health Associate Program (PHAP) before joining the NYC DOH in May of 2022. His areas of focus include drug resistance, regulatory interventions, patient care, and TB/HIV co-infection.

PITTSFIELD ANTI-TUBERCULOSIS ASSOCIATION'S INTERNATIONAL TRAVEL GRANT AWARDEES



Lyse -Andie Petit Frere

Lyse-Andie is an RN born in Cap-Haitien, the second largest city of Haiti. She graduated from the State University of Haiti's School of Nursing in 2013. Afterwards, she worked at Justinian's Hospital, the main hospital of the city until 2020. At Justinian's, she primarily managed co-infected TB/HIV patients. She attended and completed her specialization in Community Health at the Haitian Institute of Community Health which led to her job at the National TB Program leading the public-private collaboration service at the Central office.



Diada Dorlisme

Diada is an RN who graduated from the Nursing School of the State University of Haiti, Port-au-Prince, in 2017. After completing her social service, she attended the Haitian Institute for Community Health (INSHAC) where she managed priority community programs in Haiti, which provided her the capacity to lead programs at the international level. She has recently joined the NTP in the Northwest Department and serves as the head of monitoring and evaluation services in the region. She's focused on doing all that is possible to help her region reach their targets.

EARLY CAREER INVESTIGATOR AWARD



**Dr. Simon
Grandjean Lapierre**

Simon Grandjean Lapierre graduated from University of Montreal in 2016 as an Internal Medicine, Infectious Diseases and Medical Microbiology physician.

While in medical residency, he completed a certificate in global health and engaged in clinical infectious diseases and antimicrobial stewardship consultancy and training activities in Benin and Democratic Republic of Congo. For his initial clinical and research work in microbiology diagnostics as a trainee, he was awarded young investigator recognitions including an American Society for Microbiology fellowship program.

Simon then pursued a Master of Science in molecular diagnostics applied to mycobacteria at Université Aix-Marseille in France. His work on clinical and genomic characterization of non-tuberculosis mycobacteria was supported by a post residency fellowship award from the Canadian Association for Clinical Microbiology and Infectious Diseases.

He then moved to Madagascar for almost 2 years where he lived and worked as a post-doctoral trainee focusing on molecular diagnostics and innovations in public health.

In partnership with Madagascar's national tuberculosis program, he implemented TB whole genome sequencing locally. At the time, he analyzed the first DNA template ever sequenced in the country. He enabled Madagascar's participation in CRYPTIC, a TB Genomics global consortium which led to the recently published WHO TB drug resistance mutation catalog. He led important work for public health reference laboratories confirming the equivalence and compatibility of new and established next-generation sequencing platforms for TB genotypic drug susceptibility testing and outbreak investigations. Work which he recently published in the *Lancet Microbe*. Part

of his research program is now focused on the impact of molecular typing for disease control in high burden settings and includes a multi-year cluster randomized controlled trial funded by the Canadian Institutes of Health Research.

While in Madagascar, Simon also led the implementation of a TB REACH funded bidirectional drone transportation program to enable delocalized quality TB care in rural Malagasy communities. This program favorably impacted access to diagnostics, time to treatment initiation, adherence, and successful treatment completion. To date, this program remains one of the benchmarks for the use of drones in healthcare in sub-Saharan Africa. Simon's team's proof of concept raised awareness from significant funders and led to massive investments in this space, including from USAID and GAVI, the vaccine alliance.

Simon's passion for new technologies doesn't stop there. In 2017, he piloted the use of smartphones and artificial intelligence for cough detection in Malagasy TB patients. Machine learning algorithms can be trained to recognize the acoustic signature of human coughs and perhaps differentiate between respiratory diseases. This could trigger many changes in the tuberculosis cascade of care, from triage to treatment response monitoring as Simon described in a recent *Nature Communications in Medicine* publication. Simon assumes co-leadership in a multi-country effort to "Make Cough Count" in TB. Cough sounds from over 2000 TB suspects from 7 distinct countries were collected and made publicly available so that AI scientist could design acoustic signature-based TB triage models. Preliminary results from this endeavor will be presented at this conference. As a leader in the field of Acoustic Epidemiology, Simon is an adviser for digital cough monitoring start-ups and the Google health program.

Since 2019, Simon is an Associate Professor in the Microbiology, Infectious Diseases and Immunology Department of Université de Montréal. He's also affiliated with the bioinformatics and public health departments of his institution and holds visiting researcher positions at Institut Pasteur and the McGill International Tuberculosis Center. He's supervised successful students at all stages of their basic science or clinical training. He is newly supported by a FRQS Junior 1 clinical-investigator award and keeps building his translational research program between Montreal and Madagascar.

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Singapore

Bern-Thomas Nyang'wa, MD

Doctors Without Borders, London, UK

ID Rusen, MD

Vital Strategies, New York, NY, USA

POSTER SESSION SCHEDULE & FACILITATORS

POSTER SESSION 1:

Thursday, February 23, 2023

Science

Dr. Max Salfinger
Dr. Ed Nardell

Screening & Treatment

Dr. Elizabeth Talbot
Dr. Ryan Cooper

Drug Resistance

Dr. Lisa Chen
Dr. C. Robert Horsburgh

Special Populations

Dr. Lisa Armitige
Dr. E. Anne Misch

POSTER SESSION 2:

Friday, February 24, 2023

Qualitative/Advocacy

Dr. Joan Mangan
Dr. Richard Long

Policy

Dr. Sarah Brode
Dr. James Johnston

Risk Factors

Dr. Neela Goswami
Dr. Zulma Rueda

LIST OF ORAL ABSTRACT POSTER SESSIONS

Stop TB Session: Oral Abstract Poster Presentation #1

Uniting Innovation with Implementation: An Evidence Synthesis of Implementation Strategies to Increase the Uptake and Impact of Molecular WHO-Recommended Rapid TB Diagnostic Tests

Dr. Abarna Pearl, Beth Israel Deaconess Medical Center, Boston, MA, USA

Nursing and Allied Health Sponsored Session: Oral Abstract Poster Presentation #2

Investigating the Impact of Closing Disparities in TB Incidence and Case Fatality Rates Across U.S.-Born Racial/Ethnic Populations in The United States

Ms. Nicole Swartwood, Harvard TH Chan School of Public Health, Boston, MA, USA

TB Science: What's Hot? Oral Abstract Poster Presentation #3

Incorporations of Clinical Factors to Improve the Diagnostic Accuracy of Artificial Intelligence-based Chest X-Ray Analysis for Detecting Pulmonary Tuberculosis

Ms. Coralie Geric, Research Institute of the McGill University Health Care, Montreal, QC, Canada

Subclinical TB Session: Oral Abstract Poster Presentation #4

A Comparison of the Chest Radiographic and Computed Tomographic Features of Subclinical Pulmonary Tuberculosis

Dr. Angela Lau, University of Alberta Edmonton, AB, Canada

Clinical Trials Update: Oral Abstract Poster Presentation #5

A Randomized Controlled Trial to Identify the Optimal Dose of Levofloxacin for the Treatment of Rifampicin-Resistant TB

Dr. Patrick Phillips, University of California San Francisco, CA, USA

DAILY SCHEDULE

WEDNESDAY, FEBRUARY 22, 2023

Postgraduate Course 1 - 12:00pm - 3:00pm

GET LOUD! Research Literacy and Advocacy Workshop for Clinicians, Researchers, and TB Survivors

Chairs: Dr. David Lewinsohn, Dr. Cynthia Tschampf, Shaka Brown, and Dr. Elizabeth Rea

- 12:00 **Welcome and Overview**
- 12:10 **The Knowledge Management Loop: From Hard-Core Research to the 2-minute Elevator Pitch**
Lena Faust, McGill University, Montreal, QC, Canada
Petra Heitkamp, TB PPM Learning Network, Montreal, QC, Canada
Kate O'Brien, We Are TB, Seattle, WA, USA
- 12:50 **A New Tool You Can Use to Enhance Your Literacy**
Ms. Jennifer Woolley, Stop TB Partnership
New York, NY, USA
- 1:10 Coffee Break
- 1:30 **How to Have a Powerful Meeting with Decision Makers**
Ms. Leigh Raithby, Results Canada
Ottawa, ON, Canada
- 2:40 **Next Steps for Canadian Attendees**
Ms. Leigh Raithby/Dr. Elizabeth Rea
- 2:50 **Next Steps for US Attendees**
Ms. Kate O'Brien/Dr. Cynthia Tschampf

Postgraduate Course 2 - 3:00pm - 6:00pm

Implementation Science for Tuberculosis 101

Chairs: Dr. Christopher Hoffmann and Dr. Priya Shete

- 3:00 **Introduction**
- 3:05 **Introduction to Implementation Science and Why It Is Relevant to TB**
Dr. Christopher Hoffmann, Johns Hopkins University, Baltimore, MD, USA
- 3:30 **Implementation Science to Improve TB Prevention among Immigrant Communities in California**
Dr. Amy Tang, San Francisco Health Department, San Francisco, CA, USA
Dr. Priya Shete, University of California San Francisco, San Francisco, CA, USA
- 3:55 Break-Out Session
- 4:35 **Implementation Science and TB Preventive Therapy (TPT)**
Dr. Patrick Sullivan, Emory University
Atlanta, GA, USA
- 5:00 **Panel Discussion: Bringing Implementation Science to Public Health Programs**
Panelists:
Dr. Laura Vonnahme, Centers for Disease Control and Prevention, Atlanta, GA, USA
Dr. Masa Narita, Public Health, Seattle King County, Seattle, WA, USA
Dr. Amy Tang, San Francisco Department of Health, San Francisco, CA, USA
Dr. Patrick Sullivan, Emory University
Atlanta, GA, USA

DAILY SCHEDULE

THURSDAY, FEBRUARY 23, 2023

8:00	Opening and Welcome Remarks Dr. Kevin Schwartzman – President of NAR Dr. Jonathan Golub – Vice-President and 2023 Program Chair	11:45	Panel Discussion
8:10	Opening Prayer Syexwaliya Ann Whonnock, Squamish Elder	11:55	Non-CME Activity – Industry Sponsored Satellite Symposium
8:15	Patient Perspective: Mr. Shaka Brown-Gonzalez, TB Survivor	1:00	Poster Session 1
8:30	The George Comstock Lecture: The Spectrum of TB in Pregnancy – Increasing Awareness in Hope of Better Outcomes Dr. Barbara Seaworth, Heartland National TB Center, San Antonio, TX, USA		Nursing and Allied Health Sponsored Session: Community Engagement to Build Trust & Transform Health Systems Chairs: Ms. Ann Raftery, Ms. Isa Wolf, Dr. Joan Mangan, and Ms. Carolyn Bargman
	STOP TB Session: Implementation in a Post-Pandemic World Chairs: Dr. Elizabeth Rea, Dr. Sundari Mase, and Dr. Cynthia Tschamp	2:00	Introduction
9:30	Introduction/Overview Dr. Sundari Mase, Department of Health Services, Sta. Rosa, CA, USA	2:05	Prevention and Treatment of Tuberculosis in Indigenous Communities: Highlights from the 8th Edition of the Canadian Tuberculosis Standards Mr. Jonathan Dunn, Assembly of First Nations, Ottawa, ON, Canada
9:40	The Updated Global Plan to End TB Dr. Paula Fujiwara, Stop TB Partnership to End TB Task Force, Geneva, Switzerland	2:30	Perspectives on Research Partnership and Implementation Dr. Courtney Heffernan, University of Alberta, Edmonton, AB, Canada Mr. Robin Love, University of Alberta Edmonton, AB, Canada Ms. Mara Nokohoo, Fort McMurray, AB, Canada Ms. Sherry Clarke, Population Health Unit La Loche, SK, Canada Dr. Leonor Ward, Ottawa Hospital Research Institute, Ottawa, ON, Canada
10:05	Coffee Break	2:55	Coffee Break
10:25	Pakistan’s Experience with Building an Enhanced Digital TB Surveillance System Dr. Syed Karam Shah, Stop TB Partnership Karachi, Pakistan	3:15	Engaging Partnerships, Improving Accessibility, and Decreasing Stigma Ms. Connie Bieb Olikong, Ministry of Health and Human Services, Republic of Palau
11:10	Using Public-Private Partnerships to Help End TB Ms. Petra Heitkamp, TB PPM Learning Network, Montreal, QC, Canada	3:40	Oral Abstract Presentation #2 Investigating the Impact of Closing Disparities in TB Incidence and Case Fatality Rates Across U.S.-Born Racial/ Ethnic Populations in The United States Ms. Nicole Swartwood, Harvard TH Chan School of Public Health, Boston, MA, USA
11:35	Oral Abstract Presentation#1 Uniting Innovation with Implementation: An Evidence Synthesis of Implementation Strategies to Increase the Uptake and Impact of Molecular WHO-Recommended Rapid TB Diagnostic Tests Dr. Abarna Pearl, Beth Israel Deaconess Medical Center, Boston, MA, USA	3:50	Panel Discussion
		4:30	Award Ceremony
		5:30	Reception

FRIDAY, FEBRUARY 24, 2023

7:30 **Stop TB Canada Meeting (Port Alberni)
Stop TB USA Meetings (Port McNeill)**

8:30 **Challenging Cases Part 1-Joint Medical,
Nursing, and Public Health**
Chairs: Dr. Alfred Lardizabal, Dr. Elizabeth Talbot, Dr. James Johnston

TB and Pregnancy Session

Chairs: Dr. Lisa Armitige, Dr. Ian Kitai and Dr. Rachel Dwilow

9:30 **Introduction**

9:35 **Case Presentation**

9:45 **TB Infection in Pregnancy: Novel Insights
into Immunology and Prevention**
Dr. Jyoti Mathad, Weill Cornell University
New York, NY, USA

10:10 Coffee Break

10:25 **Best Practices for the Care of Pregnant and
Peripartum People with DR-TB**
Dr. Jennifer Furin, Harvard Medical School
Boston, MA, USA

11:00 **The Beyond TB Lecture: Novel Strategies
for Wastewater Surveillance**
Dr. Amy Kirby, Centers for Disease Control
and Prevention, Atlanta, GA, USA

12:00 Lunch

1:00 Poster Session 2

TB Science: What's Hot?

Chairs: Dr. Devan Jaganath, Dr. Nick Menzies, and Dr. Ruvandhi Nathavitharana

2:00 **Introduction**

2:05 **Making Cough Count in Tuberculosis**
Dr. Simon Grandjean Lapierre, University of
Montreal, Montreal, QC, Canada

2:35 Coffee Break

2:55 **Innovations in Non-Sputum-Based TB
Diagnostics in Adults and Children**
Dr. Tania Thomas, University of Virginia
Charlottesville, VA, USA

3:25 **Epidemiology of TB Transmission in the
United States**
Dr. Sourya Shrestha, Center for Tuberculosis
Research, Johns Hopkins University
Baltimore, MD, USA

3:55 **Oral Abstract Presentation #3
Incorporations of Clinical Factors
to Improve the Diagnostic Accuracy
of Artificial Intelligence-Based
Chest X-Ray Analysis for Detecting
Pulmonary Tuberculosis**
Ms. Coralie Geric, Research Institute of the
McGill University Health Care, Montreal
QC, Canada

4:05 Panel Discussion

4:30 **Mentorship Meeting:
Public Health/Education (Port Alberni)**
Facilitators: Dr. Lisa Chen, Dr. Elizabeth Rea
and Dr. Masa Narita
Laboratory/Science (Gulf Island BC)
Facilitators: Dr. Max Salfinger and
Dr. Chuck Peloquin
Implementation Science (Port McNeill)
Facilitators: Dr. Bob Horsburgh and
Dr. Jonathan Golub

DAILY SCHEDULE

SATURDAY, FEBRUARY 25, 2023

8:00	Challenging TB Cases Part 2: Joint Medical, Nursing and Public Health Dr. Alfred Lardizabal, Dr. Elizabeth Talbot, and Dr. James Johnston	1:00	Clinical Trials Update <i>Chairs:</i> Dr. Bob Horsburgh and Dr. Lisa Chen
		1:00	Introduction
		1:05	RIFASHORT Trial (4m DS-TB) Dr. Amina Jindani, St. George's University of London
	Subclinical TB: Challenges in Diagnosis, Treatment, and Transmission <i>Chairs:</i> Dr. Emily Kendall and Dr. Kevin Schwartzman	1:25	TRUNCATE (2m DS-TB) Dr. Nick Paton, National University of Singapore, Singapore
9:30	Introduction	1:45	SUDOCU – A Phase 2b Trial of Sutezolid, Bedaquiline, Delamanid and Moxifloxacin for TB Dr. Norbert Heinrich, University of Munich Munich, Germany
9:35	Overview: Subclinical TB and Its Global Burden Dr. Emily Kendall, Johns Hopkins University Baltimore, MD, USA	2:05	Coffee Break
9:45	The Role of Subclinical TB in Transmission Dr. Barun Mathema, Columbia Mailman School of Public Health, New York, NY, USA	2:20	TB PRACTECAL: Final Clinical Trials Results Dr. Bern-Thomas Nyang'wa, Doctors Without Borders, London, UK
10:10	Identifying and Understanding Subclinical TB in High Burden Communities Dr. Emily Wong, African Health Research Institute, Durban, South Africa	2:40	STREAM Stage 2: Week 76 Results Dr. ID Rusen, Vital Strategies New York, NY, USA
10:35	Coffee Break	3:00	Oral Abstract Presentation #5 A Randomized Controlled Trial to Identify the Optimal Dose of Levofloxacin for the Treatment of Rifampicin-Resistant TB Dr. Patrick Phillips, University of California San Francisco, CA, USA
10:55	Will Subclinical TB Hinder TB Elimination in North America? Dr. Jonathon Campbell, McGill University Montreal, QC, Canada	3:10	Panel Discussion
11:20	Oral Abstract Presentation #4 A Comparison of the Chest Radiographic and Computed Tomographic Features of Subclinical Pulmonary Tuberculosis Dr. Angela Lau, University of Alberta Edmonton, AB, Canada	3:30	Closing Remarks
11:30	Panel Discussion	3:45	Post-Conference Meeting (Pavilion CD)
12:00	General Assembly		

ANNOUNCEMENT



SUBMISSIONS ARE NOW OPEN

Abstracts, symposia, post-graduate courses and workshops 16 February - 6 April

Satellite sessions 16 February - 1 August

TBScience 2 May - 8 June



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Sample
to Insight

27th Annual Conference of the Union North America Region
QIAGEN satellite symposium



The clinical utility of IGRAs to diagnose TB infection in pediatric patients



Dr. Masae Kawamura
Vice Chair, Vital Strategies Board
and former TB Controller, San
Francisco, California



Dr. Lindsay Cameron
Assistant Professor, Pediatric
Infectious Diseases, Baylor
College of Medicine

Date: **Thursday, February 23**
Time: **12:00–1:00 p.m**
Room: **Grand Ballroom**
Chair: **Parth Patel DMSc, PA-C,**
Medical Science Liaison, QIAGEN

➔ Stop by the QIAGEN booth to talk to us about QuantiFERON®-TB Gold Plus and learn more about pediatric TB infection testing.

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