



16th Scientific Meeting  
Toronto, Canada  
1-3 October, 2019

## OFFICIAL PROGRAM

Hosted by:



Co-Host:

**SickKids**<sup>®</sup>

# Program-at-a-Glance

	TUESDAY OCTOBER 1, 2019	WEDNESDAY OCTOBER 2, 2019	THURSDAY OCTOBER 3, 2019					
8:30AM	<b>OPENING REMARKS</b> AUDITORIUM			8:30AM				
9:00AM	<b>PLENARY SESSION 1: SETTING THE STAGE</b> AUDITORIUM	<b>PLENARY SESSION 3: LIVER DISEASE 2</b> AUDITORIUM	<b>PLENARY SESSION 5: GENERAL GASTROENTEROLOGY</b> AUDITORIUM	9:00AM				
9:30AM				9:30AM				
10:00AM				10:00AM				
10:30AM	<b>COFFEE &amp; TEA</b> GALLERY	<b>COFFEE &amp; TEA</b> GALLERY	<b>COFFEE &amp; TEA</b> GALLERY	10:30AM				
11:00AM	<b>PLENARY SESSION 2: VACCINES AND GASTROINTESTINAL INFECTIONS</b> AUDITORIUM	<b>PARALLEL SESSION G: ACUTE &amp; PERSISTENT DIARRHOEA 2</b> AUDITORIUM	<b>PARALLEL SESSION H: HOST PATHOGEN INTERACTION AND ENTEROPATHY</b> EVENT ROOM 1	<b>PARALLEL SESSION I: TREATMENT OF ILL UNDERNOURISHED CHILDREN</b> EVENT ROOM 2A/B	<b>PARALLEL SESSION M: UNDERSTANDING THE PATHOPHYSIOLOGY OF ENVIRONMENTAL ENTEROPATHY</b> AUDITORIUM	<b>PARALLEL SESSION N: MOLECULAR MECHANISMS OF GUT AND IMMUNE DYSFUNCTION</b> EVENT ROOM 1	<b>PARALLEL SESSION O: STUNTING EXEMPLARS FROM LOW AND MIDDLE-INCOME COUNTRIES</b> EVENT ROOM 2A/B	11:00AM
11:30AM								11:30AM
12:00PM								12:00PM
12:30PM	<b>LUNCH &amp; E-POSTER SESSION</b> GALLERY	<b>LUNCH &amp; E-POSTER SESSION</b> GALLERY	<b>LUNCH &amp; E-POSTER SESSION</b> GALLERY	12:30PM				
1:00PM				1:00PM				
1:30PM	<b>PARALLEL SESSION A: ACUTE &amp; PERSISTENT DIARRHOEA 1</b> EVENT ROOM 1	<b>PARALLEL SESSION B: LIVER DISEASE 1</b> EVENT ROOM 2A/B	<b>PARALLEL SESSION C: UNDERSTANDING MALNUTRITION- ASSOCIATED PATHOPHYSIOLOGY</b> EVENT ROOM 3A/B	<b>PARALLEL SESSION J: NOVEL TESTS OF INTESTINAL FUNCTION</b> AUDITORIUM	<b>PARALLEL SESSION K: MICROBIOME AND HEALTH</b> EVENT ROOM 1	<b>PARALLEL SESSION L: LONG TERM NEURO-COGNITIVE EFFECTS OF EARLY LIFE NUTRITIONAL INSULTS</b> EVENT ROOM 2A/B	<b>DEBATE SESSION: CURRENT CONTROVERSIES IN GLOBAL PEDIATRIC GI AND NUTRITION</b> AUDITORIUM	1:30PM
2:00PM								2:00PM
2:30PM								2:30PM
3:00PM	<b>COFFEE &amp; TEA</b> GALLERY	<b>COFFEE &amp; TEA</b> GALLERY	<b>CLOSURE OF MEETING</b>	3:00PM				
3:30PM	<b>PARALLEL SESSION D: INTESTINAL FAILURE AND REGENERATION</b> EVENT ROOM 1	<b>PARALLEL SESSION E: CHRONIC INTESTINAL INFLAMMATION: IBD AND EED</b> EVENT ROOM 2A/B	<b>PARALLEL SESSION F: MICRONUTRIENTS IN CHILDHOOD</b> EVENT ROOM 3A/B	<b>PLENARY SESSION 4: INFECTIONS AND ANTIBIOTICS IN VULNERABLE POPULATIONS</b> AUDITORIUM	3:30PM			
4:00PM					4:00PM			
4:30PM					4:30PM			

# Detailed Program

## TUESDAY, OCTOBER 1, 2019

### 8:30AM OPENING REMARKS

AUDITORIUM

Zulfiqar A. Bhutta, Co-Director of SickKids Centre for Global Child Health  
 Michael Salter, Chief of SickKids Research Institute  
 Neelam Mohan, President of CAPGAN

### 9:00AM PLENARY SESSION 1: SETTING THE STAGE

AUDITORIUM

Chair: Jay Berkley & Beatrice Amadi

*Global Burden of Childhood Malnutrition: what do we know?*  
 Nicholas Kassebaum, Institute for Health Metrics and Evaluation, USA

*The Costly Lifelong Triple Burden of Early Childhood Enteric Infections (HAZdrop, COGhit & METsyn): Bridging Clinical & Lab Research*  
 Dick Guerrant, University of Virginia, USA

*John Walker-Smith Oration: Advances in understanding the control of childhood diarrhoea mortality*  
 Robert Black, Johns Hopkins University, USA

*Invited Comment*  
 John Walker-Smith

**Learning Objectives: At the end of the session, participants will be able to:**

- Assess the current burden of childhood malnutrition
- Illustrate the effect of malnutrition on the growth of children
- Demonstrate how to positively impact childhood mortality as a result of diarrhoea

### 10:30AM COFFEE & TEA

GALLERY

### 11:00AM PLENARY SESSION 2: VACCINES AND GASTROINTESTINAL INFECTIONS

AUDITORIUM

Chair: Tony Nelson

*Progress and challenges in global rotavirus prevention*  
 Jacqueline Tate, CDC, USA

*Typhoid Fever*  
 Andrew Pollard, University of Oxford, UK

*Recent Advances in Enteric Vaccines*  
 Duncan Steele, Bill & Melinda Gates Foundation

**Learning Objectives: At the end of the session, participants will be able to:**

- Trace the progress & demonstrate the advances in global virus prevention
- Identify the most up to date vaccine for typhoid fever
- Identify the work that non-profit organizations are doing in the field of enteric vaccines

### 12:30PM LUNCH & E-POSTER SESSION

GALLERY

#### Diarrhoea Theme

### 1:30PM PARALLEL SESSION A: ACUTE & PERSISTENT DIARRHOEA 1

EVENT ROOM 1

Chair: Steve Allen & Neelam Mohan

*Cholera: state of the art*  
 Firdausi Qadri, icddr-b, Bangladesh

*Does promotion of Water, sanitation and hygiene practices make a difference? Lessons learned from the SHINE trial*  
 Jean Humphrey, Johns Hopkins University, USA

*Evaluation of a test and treat approach for acute severe pediatric gastroenteritis in Botswana*  
 David Goldfarb, University of British Columbia, Canada

**Learning Objectives: At the end of the session, participants will be able to:**

- Analyze the most recent advancements in Cholera treatment in South Asia
- Indicate the efficacy of probiotics in the management of acute gastroenteritis
- Describe the primary & secondary outcome measure in sanitary & hygiene practice

**General GI/Liver Theme****1:30PM PARALLEL SESSION B: LIVER DISEASE 1**

EVENT ROOM 2A/B

Chair: Yaron Avitzur

**Outcomes for Children after Liver Transplantation - Targeting Health Span AND Life Span**

Vicky Ng, SickKids, Canada

**Oral Abstract: Spectrum, manifestation and management of hepatopulmonary syndrome in 150 consecutive living related pediatric liver transplantation**

Aaashay Abhay Shah

**Pediatric NAFLD: A state of the art**

Marialena Mouzaki, Cincinnati Children's Hospital, USA

**Long-term risks for non-communicable diseases after severe malnutrition**

Debbie Thompson, University of the West Indies, Jamaica

**Learning Objectives: At the end of the session, participants will be able to:**

- Identify the severity of graft injury after childhood liver transplantation
- Recognize long term risks associated with the quality of life & potential barrier of post-transplant stages
- Identify the long-term risks in pediatric patients who have suffered severe malnutrition

**Malnutrition Theme****1:30PM PARALLEL SESSION C: UNDERSTANDING MALNUTRITION-ASSOCIATED PATHOPHYSIOLOGY**

EVENT ROOM 3A/B

Chair: Iqbal Memon

**Pathophysiology of Edematous Malnutrition: an overview and novel insights**

André Briend, University of Tampere, Finland

**Malnutrition and Immune Function**

Agnes Gwela, University of Oxford, UK

**Metabolic Function in Malnutrition**

Robert Bandsma, SickKids, Canada

**Oral Abstract: Plasma proteomics reveals markers of metabolic stress in HIV SAM**

Gerard Bryan Gonzales, Universiteit Gent, Belgium

**Oral Abstract: Evaluating the Role of the Tryptophan-Nicotinamide (TRP-NAM) Pathway in Severe Malnutrition**

Guanlan Hu, Hospital for Sick Children, Canada

**Learning Objectives: At the end of the session, participants will be able to:**

- Describe the pathophysiological disturbances associated with malnutrition
- Summarize the state-of-the-art knowledge on the effects of malnutrition on metabolism
- Discuss the immunological effects of malnutrition

**3:00PM COFFEE & TEA**

GALLERY

**Diarrhoea Theme****3:30PM PARALLEL SESSION D: INTESTINAL FAILURE AND REGENERATION**

EVENT ROOM 1

Chair: Oscar Gomez

*The new reality of Intestinal failure and transplantation*

Yaron Avitzur, SickKids, Canada

*Oral Abstract: Kinase Signaling Defects responsible for MVID diarrhoea*

Nadia Ameen

*Oral Abstract: Using Exosomes to repair Malnutrition-Induced Gut Barrier Dysfunction*

Mohammad Karim Maghraby, SickKids, Canada

*Roles of GLP1 and 2 on Intestinal Function and Regeneration*

Patricia Brubaker, University of Toronto

*Oral Abstract: Beneficial Effects of Glucagon-like Peptide-2 Receptor Agonist On Intestinal Barrier Function Among Undernourished Mice*

Jibraan Fawad, University of Virginia, USA

*Oral Abstract: Transcriptomic profiles of mucosal biopsies from children with stunting and adults*

Paul Kelly

**Learning Objectives: At the end of the session, participants will be able to:**

- Recognize the structure and important contribution of multidisciplinary care for pediatric intestinal failure
- Understand the management of long-term complications of surgical strategies with focus on anastomotic ulcers
- Determine whether these growth efforts exert synergistic effects on intestinal growth and function

**General GI/Liver Theme****3:30PM PARALLEL SESSION E: CHRONIC INTESTINAL INFLAMMATION: IBD AND EED**

EVENT ROOM 2A/B

Chair: Sean Moore

*IBD: state of the art*

Anne Griffiths, Sickkids, Canada

*Managing IBD in LMIC's*

Vineet Ahuja, All India Institute of Medical Sciences, India

*EED and its contribution towards chronic malnutrition in children*

Asad Ali, Aga Khan University, Pakistan

**Learning Objectives: At the end of the session, participants will be able to:**

- Apply the most recent advancements in IBD treatment in South Asia
- Demonstrate & examine the management of Irritable bowel syndrome in low- & middle-income countries
- Distinguish the similarities & differences in IBD & EED to determine the correct diagnosis

**Malnutrition Theme****3:30PM PARALLEL SESSION F: MICRONUTRIENTS IN CHILDHOOD**

EVENT ROOM 3A/B

Chair: Barbara Golden

*Iron deficiency prevention in pregnancy and childhood*

Stan Zlotkin, SickKids Centre for Global Child Health, Canada

*Vitamin D in pregnancy and infant outcomes in Bangladesh*

Daniel Roth, SickKids Centre for Global Child Health, Canada

*Micronutrient deficiencies in early life*

Philip Abiodun, Benin, Nigeria

*Oral Abstract: The prevalence of nutritional deficiencies appears to be high among adolescent girls (15 to 19 years) in rural Pakistan*

Jo-Anna Baxter, SickKids Centre for Global Child Health, Canada

**Learning Objectives: At the end of the session, participants will be able to:**

- Have up to date knowledge of micronutrient deficiencies globally,
- Advise on likelihood of micronutrient deficiencies in children in both 'developed' and 'developing' countries,
- Advise on strategies to prevent iron deficiency in pregnancy and diagnose specific micronutrient deficiencies in young children in Canada and Nigeria.

## WEDNESDAY, OCTOBER 2, 2019

**9:00AM PLENARY SESSION 3: LIVER DISEASE 2**

AUDITORIUM

Chairs: Vicky Ng

**Challenges in achieving elimination of viral hepatitis globally**

Jordan Feld, Toronto General Hospital, Canada

**Treatment of viral hepatitis in children**

Simon Ling, SickKids, Canada

**Long-term graft injury after liver transplantation**

Deirdre Kelly, Birmingham Children's Hospital, UK

**Upsurge in applications to address donor-graft shortage in pediatric liver transplantation in India**

Neelam Mohan, Sanjay Gandhi Postgraduate Institute of Medical Sciences, India

**Learning Objectives: At the end of the session, participants will be able to:**

- Extrapolate the challenges to public health at successfully elimination viral hepatitis on a global scale
- Identify the efficacy of treatment of viral hepatitis
- Discuss how donor graft shortages in India lead to an upsurge in applications

**10:30AM COFFEE & TEA**

GALLERY

**Diarrhoea Theme**

**11:00AM PARALLEL SESSION G: ACUTE & PERSISTENT DIARRHOEA 2**

AUDITORIUM

Chair: Tahmeed Ahmed

**MAL-ED: what did we learn**

Margaret Kosek, Johns Hopkins University, USA

**Recent advances in the management of diarrhoea**

Stephen Freedman, Alberta Children's Hospital Research Institute, Canada

**Oral Abstract: Efficacy of green banana mixed lactose-free diet in the management of persistent diarrhoea among 6 to 35 months old Bangladeshi children: a randomized controlled clinical trial**

Monira Sarmin, icddr, Bangladesh

**Oral Abstract: chemical water quality in feeding centers for SAM**

Syed Imran, York University, Canada

**Learning Objectives: At the end of the session, participants will be able to:**

- State how climate change threatens to undermine recent progress in reducing global deaths from diarrhoea disease in children.
- Understand the management of diarrhoea in Canada
- Trace the primary cause of EED due to living in conditions of poor quality

**General/GI Liver Theme**

**11:00AM PARALLEL SESSION H: HOST PATHOGEN INTERACTION AND ENTEROPATHY**

EVENT ROOM 1

Chair: Donald Bundy

**Salmonella pathogenicity**

John Brumell, SickKids, Canada

**Emergent E. coli enteropathogenes**

Oscar Gomez, University of Buffalo, USA

**Probiotics and intestinal injury**

Phil Sherman, Sickkids, Canada

**Oral Abstract: A co-culture strategy to optimize probiotic biomanufacturing using metabolomics**

Gregory Medlock, University of Virginia, USA

**Learning Objectives: At the end of the session, participants will be able to:**

- Summarize the Pathogenesis of Salmonella gastroenteritis
- Discuss the nomenclature, pathogenesis, clinical manifestations, epidemiology and antibiotic resistance of E-coli
- List how probiotics, prebiotics and micronutrients influence the onset and progression of inflammatory bowel disease (IBD)

**Malnutrition Theme**

**11:00AM PARALLEL SESSION I: TREATMENT OF ILL UNDERNOURISHED CHILDREN**

EVENT ROOM 2A/B

Chair: Chris Damman

*The CHAIN cohort - mortality risks in sick undernourished children*  
Jay Berkley, KEMRI, Kenya

*The CHAIN cohort - intestinal micro-organisms and function*  
Kirk Tickell, University of Washington, USA

*Treatment of severely malnourished young infants: novel insights*  
Martha Mwangome, KEMRI, Kenya

*Oral Abstract: Metabolome Associated with Mortality of Children with Complicated Severe Acute Malnutrition: a nested case-control study*  
Bijun Wen, The Hospital for Sick Children, Canada

*The use of early warning signs in children with severe acute malnutrition (SAM)*  
Wieger Voskuil

**Learning Objectives: At the end of the session, participants will be able to:**

- Better understand the biological and social reasons that cause malnourished acutely ill children to die at such high rates during and after hospitalization.
- Prioritize and guide the design of future clinical trials that will help reduce mortality in these vulnerable children.
- Reference norms for various laboratory tests which currently lack accepted normal threshold values.

**12:30PM LUNCH AND E-POSTER SESSION**

GALLERY

**Diarrhoea Theme**

**1:30PM PARALLEL SESSION J: NOVEL TESTS OF INTESTINAL FUNCTION**

AUDITORIUM

Chair: Asad Ali

*Enteropathy biomarkers: How useful are they?*  
Donna Denno, University of Washington, USA

*Oral Abstract: Prediction of mortality in severe acute malnutrition by faecal volatile organic compound analysis*

Debbie van den Brink, University of Amsterdam, The Netherlands

*Assessing intestinal imaging with tethered capsule endomicroscopy*  
Gary Tearney, International Academy of Digital Pathology, USA

*Oral Abstract: Appetite status of under five children in Bangladesh compared to their non-stunted peers: a community-based trial*  
Naila Nurun Nahar, icddr, Bangladesh

*Oral Abstract: Evaluation of stool-based Xpert-MTB/RIF testing for the diagnosis of Tuberculosis in young children*

Luke Uebelhoer

**Learning Objectives: At the end of the session, participants will be able to:**

- Indicate the reasons for the challenge of diagnosing EED
- Assess the benefits of pancreatic enzyme replacement therapy (PERT) in children with complicated severe acute malnutrition.
- Review the ability of optical coherence tomography to provide detailed images of subsurface structures in the upper gastrointestinal (GI) tract

**General GI/Liver Theme**

**1:30PM PARALLEL SESSION K: MICROBIOME AND HEALTH**

EVENT ROOM 1

Chair: Phil Sherman

*Host microbiome interactions in health and disease*  
Eran Elinav, Israel

*Intestinal Microbiome and Malnutrition*  
Geoffrey Preidis, Baylor College of Medicine, USA

*Harnessing the gut microbiota to treat childhood acute malnutrition*  
Tahmeed Ahmed, icddr-b, Bangladesh

**Learning Objectives: At the end of the session, participants will be able to:**

- Describe the interactions between the mammalian host, its intestinal microbiota, the immune system and their effects on health and disease.
- Define mechanisms through which early life undernutrition alters metabolism and to determine how undernutrition influences intestinal and liver function.
- Demonstrate the use of metagenomics to understand the genetic basis of malnutrition

## Malnutrition Theme

**1:30PM**      **PARALLEL SESSION L: LONG TERM  
NEURO-COGNITIVE EFFECTS OF EARLY LIFE  
NUTRITIONAL INSULTS**

EVENT ROOM 2A/B

Chair: Wieger Voskuilj

*Oral Abstract: Low Fat-free Mass is an Important Predictor of 6-month Developmental Outcomes among Children with Severe Acute Malnutrition*

Harriet Babikako

*Oral Abstract: Nutrition, stimulation and hygiene education impact positively on development and growth, but not gut microbiota*

Prudence Atukunda

*Oral Abstract: Moderate acute malnutrition is associated with changes in saccadic reaction times in 7 to 11 month-old infants in Sierra Leone*

D. Taylor Hendrixson, Washington University - St. Louis, USA

*Oral Abstract: A structural equation model of pathways between household income, care practices, and nutrition and development in children with severe acute malnutrition in Malawi*

Allison Daniel, Hospital for Sick Children, Canada

**Learning Objectives: At the end of the session, participants will be able to:**

- Report the effects of undernutrition on child development
- Understand the relationships between nutritional stressors on neurocognitive function
- Value the role of nutrition on brain development and function

**3:00PM**      **COFFEE & TEA**

GALLERY

**3:30PM**      **PLENARY SESSION 4: INFECTIONS AND ANTIBIOTICS  
IN VULNERABLE POPULATIONS**

AUDITORIUM

Chair: Paul Kelly

*Malnutrition and childhood infections*

Jay Berkley, KEMRI, Kenya

*Blanket antibiotic therapy for vulnerable pediatric populations: A debate*

For: Mark Manary, Washington University - St. Louis, USA

Against: Jim Tielsch, George Washington University, USA

Moderator: Jay Berkley

**Learning Objectives: At the end of the session, participants will be able to:**

- Understand the role of infection in severe acute malnutrition
- Understand the potential problems of antibiotic resistance and dysbiosis in children in LMICs
- Assess the evidence that antibiotics can reduce overall mortality in some settings

## THURSDAY, OCTOBER 3, 2019

**9:00AM**      **PLENARY SESSION 5: GENERAL  
GASTROENTEROLOGY**

AUDITORIUM

Chair: Bhupinder Sandhu

*Helicobacter Pylori: state of the art*

Nicola Jones, Hospital for Sick Children, Canada

*Global burden and recent advances in the management of celiac disease*

Govind Kumar Makharia, All India Institute of Medical Sciences, India

*Establishing a Pediatric GI fellowship program in Pakistan*

Huma Cheema, The Institute of Child Health, Pakistan

*State of the art and novel tools to diagnose food allergies*

Thomas Eiwegger, Hospital for Sick Children, Canada

**Learning Objectives: At the end of the session, participants will be able to:**

- Demonstrate current knowledge of epidemiology of Coeliac disease in a global setting and be able to optimally diagnose and manage children with suspected Coeliac disease concordant with international guidelines.
- Describe state of art knowledge of global epidemiology of Helicobacter-pylori, methodology for diagnosis and options for treatment in both less and more developed countries.
- Apply knowledge of how to plan and go about establishing a GI fellowship program particularly in a country like Pakistan



**10:30AM COFFEE & TEA**

GALLERY

**Diarrhoea Theme****11:00AM PARALLEL SESSION M: UNDERSTANDING THE PATHOPHYSIOLOGY OF ENVIRONMENTAL ENTEROPATHY**

AUDITORIUM

Chair: Peter Sullivan

*A First 1000 Days Perspective on EED*  
Sean Moore, University of Virginia, USA*Artificial intelligence analysis of intestinal biopsies in EE*  
Sana Syed, University of Virginia, USA*Immunological dysfunction in EE*  
Chelsea Marie, University of Virginia, USA*What do biopsies tell us about function in EED?*  
Paul Kelly, Queen Mary University of London, UK**Learning Objectives: At the end of the session, participants will be able to:**

- Elucidate underlying mechanisms of diarrhoea and undernutrition in a child's first 1,000 days
- Highlight the epidemiology, clinical and histologic classification of the entity, as well as discussing novel biomarkers and possible therapies.
- Describe the pathophysiology of EED and examine the evidence linking EED and oral vaccine failure

**General GI/Liver Theme****11:00AM PARALLEL SESSION N: MOLECULAR MECHANISMS OF GUT AND IMMUNE DYSFUNCTION**

EVENT ROOM 1

Chair: Christina Lancioni

*Monogenetic causes of chronic intestinal inflammation*  
Aleixo Muise, Hospital for Sick Children, Canada*Oral Abstract: Impact of acute illness on whole-blood cytokine responses to pathogen-associated molecular products among young African children with and without severe-malnutrition*  
Luke Uebelhoer*Oral Abstract: A novel murine model of malnutrition enteropathy looking both at structure and function to investigate the role of autophagy*  
Chris Versloot*Oral Abstract: Identification of Environmental Enteric Dysfunction (EED) in Pakistani children using novel approaches*  
Najeeha Talat Iqbal, Aga Khan University, Pakistan**Learning Objectives: At the end of the session, participants will be able to:**

- Identify the causes of chronic intestinal inflammation & the pathogenies of pediatric inflammatory bowel disease
- Understand the impact of pathogen-associated molecular products among young African children
- Novel approaches used amongst Pakistani children & the outcomes

**Malnutrition Theme****11:00AM PARALLEL SESSION O: STUNTING EXEMPLARS FROM LOW AND MIDDLE-INCOME COUNTRIES**

EVENT ROOM 2A/B

Chair:

*Introduction to the Exemplars*  
Oliver Rothschild, Gates Ventures*Cross cutting analysis and implications for policy*  
Zulfiqar A. Bhutta, SickKids Centre for Global Child Health, Canada**Learning Objectives: At the end of the session, participants will be able to:**

- Discuss better practices and the cost and benefits of scaling up programs to improve child feeding and prevent stunting
- Recognize the mechanisms underlying linear growth failure at different ages in Imic's
- Understand a case for support-led policy approach with a focus on integrated and structural factors to addressing the problem of undernutrition among children in Imic's

**12:30PM LUNCH AND E-POSTER SESSION**

GALLERY

**1:30PM DEBATE SESSION: CURRENT CONTROVERSIES IN GLOBAL PEDIATRIC GI AND NUTRITION**

AUDITORIUM

Moderator: Donald Bundy, LSTMH, UK

***Mass Deworming: A debate***

For: Judd Walson, University of Washington, USA

Against: Vivian Welch, University of Ottawa, Canada

***Learning Objectives: At the end of the session, participants will be able to:***

- Describe the rationale, including cost-effectiveness, for empiric mass deworming as a strategy to reduce morbidity due to soil transmitted helminths (STH).
- Identify limitations of available data supporting health benefits of mass deworming, including an understanding of current evidence and challenges to interpretation of existing data.
- Describe the limitations of the current MDA platform in breaking the transmission of STH and the rationale for considering expanded MDA platforms in some geographic settings.

**3:00PM CLOSURE OF MEETING**



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