

ISSAD 2023 Schedule-at-a-glance

	16 Oct Monday	17 Oct Tuesday	18 Oct Wednesday
9h0	Opening session	Plenary <u>Epidemiology and burden</u>	One Health symposium
9h30	Parent Voice		
10h0	WHO meningitis mini-symposium		
11h0	<i>Poster session 1 Coffee break</i>	<i>Poster session 3 Coffee break</i>	<i>Poster session 5 Coffee break</i>
11h30	Plenary <u>Laboratory and Microbiology</u>	Plenary <u>Immunity and Seroepidemiology</u>	GBS in adults
12h30		Oral abstracts <u>Immunity and Seroepidemiology</u>	Hot Topics <u>Young ISSAD</u>
13h0	Oral abstracts <u>Laboratory and Microbiology</u>		
13h30			
14h0	<i>Lunch-symposium sponsored by Minervax</i>	<i>Lunch-symposium sponsored by Pfizer</i>	<i>Farewell Lunch & Closing session (announcement of poster awards and ISSAD 2025 host)</i>
14h30			
15h0			
15h30	Plenary <u>Clinics</u>	Plenary <u>Vaccines and confidence</u>	
16h0	Carol Baker Lecture	Oral abstracts <u>Vaccines and confidence</u>	
16h30			
17h0			
17h30	<i>Poster session 2 Coffee break</i>	<i>Poster session 4 Coffee break</i>	
20h0	<i>Gala Dinner sponsored by Pfizer*</i>	*Bus leaving from the hotel lobby at 19h	

16 October Monday

Opening Session conveners Lucia Teixeira, Tatiana Pinto

9:00-9:25	ISSAD 2023 co-chairs	Welcome to ISSAD 2023 (5min)
	Keith Klugman	<u>Opening Lecture</u> : The road to Gates Foundation Support of a GBS conjugate vaccine delivered through maternal immunization (20min)

Parent Voice conveners Jane Plumb, Marti Perhach, Oliver Plumb, Vinny Smith

9:25-9:45	Jane Plumb	Focus on Families (6min)
	Parent Voice Video (7min)	
	Marti Perhach	Partnering with Parents (7min)

WHO Meningitis Symposium conveners Kirsty Le Doare, Marie-Pierre Preziosi

9:45-1:00	WHO DG address (2min)	
	Chairs welcome and introduction to the Defeating Meningitis Global road map (6min)	
	Ruth Lynfield	The increasing importance of group B <i>Streptococcus</i> as a cause of bacterial meningitis — United States (15min)
	Margaret IP	Antimicrobial resistance and group B Streptococcal meningitis in China and Hong Kong (15min)
	Soufiane Sanou	Pilot surveillance of GBS can inform the development of national plans for defeating meningitis: the Burkina Faso experience (15min)
	Felipe Neves	Current panorama of bacterial meningitis in Brazil (15min)
	Final discussion (7min)	

11:00-11:30 POSTER SESSION 1 & COFFEE BREAK

Plenary Laboratory & Microbiology (20min + 5min Q&A) convener Roberta Creti

11:30–13:00	Parent Voice Video (7min)	
	Hans-Christian Slotved	Decoding <i>Streptococcus agalactiae</i> : Phenotyping vs. Genotyping for Diagnostic Purposes
	Lesley McGee	Invasive Group B <i>Streptococcus</i> Strain Features: A US Active Bacterial Core Surveillance Perspective
	Uzma Basit Khan	Genomic Mechanisms of Antimicrobial Resistance in global GBS Population

Oral abstracts Laboratory & Microbiology (10min + 2min Q&A) convener Lesley McGee

13:00-14:00	Fabiana Pimenta	GBS detection among pregnant women from rural western Kenya using an alternative method
	Juliana Coelho	GBS Serotype IV – a new kid on the block?
	Lucy Furfaro	Group B <i>Streptococcus</i> prophages: Colonising the colonisers
	Mario Ignacio Pajon	Detection and characterization of aminoglycoside resistance genes associated with mobile genetic elements in Argentinean <i>Streptococcus agalactiae</i> isolates
	Varun Shamanna	Genomic characterisation of virulence factors of <i>Streptococcus agalactiae</i> from healthy Indian women

14:00- 15:30 LUNCH-SYMPOSIUM SPONSORED BY MINERVAX

Plenary Clinics (20min + 5min Q&A) convener Ziyaad Dangor

15:30-16:30	Parent Voice Video (7 min)	
	Shabir Madhi	Exploring association of Group B <i>streptococcus</i> genome diversity and early onset disease
	Tara Randis	The Search for Non-pharmacologic Interventions to Reduce Maternal GBS Colonization

Carol Baker Lecture

convener Carol Baker

16:30-17:00	Joy Lawn	Group B <i>Streptococcus</i> : a myth busting journey
-------------	----------	---

17:00-17:30 POSTER SESSION 2 & COFFEE BREAK**17 October Tuesday****Plenary Epidemiology & Burden (20min + 5min Q&A)**

convener

Ziyaad Dangor

9:00-10:00	Parent Voice Video (7min)	
	Dorota Jamrozy	Global genomic epidemiology of Group B <i>Streptococcus</i>
	Konstantinos Karampatsas	Late-onset disease transmission and dynamics

Oral abstracts Epidemiology & Burden (10min + 2min Q&A)

convener

Dorota Jamrozy

10:00-11:00	Clayton Salano	Association between vaginal washing and GBS colonization in women seeking pregnancy
	Malene Risager Lykke	Long-term risk of mental disorders following iGBS - a population-based study from Denmark
	Theresa Lamagni	Predictors of fatal outcome in infants diagnosed with invasive GBS infection, England
	Tomislav Mestrovic	The Global Burden of Group B <i>Streptococcus</i> and Implications for Public Health
	Shabir Madhi	Role of Group B <i>streptococcus</i> invasive disease as a cause of stillbirths and neonatal deaths in Africa

11:00-11:30 POSTER SESSION 3 & COFFEE BREAK**Plenary Immunity & Seroepidemiology (20min + 5min Q&A)**

convener

Kirsty Le Doare

11:30-12:30	Parent Voice Video (7min)	
	Gaurav Kwatra	Role of sero-epidemiology in the Group B <i>Streptococcus</i> Vaccine development
	Lakshmi Rajagopal	Adaptive immunity to GBS hemolysin

Oral abstracts Immunity & Seroepidemiology (10min + 2min Q&A)

convener Kirsty

Le Doare

12:30-1:45	Stephanie Leung	Development of a standardised opsonophagocytic killing assay (OPKA) to quantify functional serotype-specific anti-capsular polysaccharide (CPS) antibody against Group B <i>Streptococcus</i>
	Julia Rhodes	The U.S. CDC-led study to establish immunologic endpoints associated with protection against infant GBS disease
	Olwenn Daniel	Impact of HIV status on GBS colonisation and antibody responses in serum and vaginal mucosa
	Vicky Gent	Anti-gbs2106 protein IgG in serum of newborns and risk reduction of invasive infant GBS disease
	Julyana Pedroza	Role of BspC, Cas9 and pilus 2b on <i>Streptococcus agalactiae</i> interaction with human endothelial cells
	Laura Olivera	Opsonophagocytosis and molecular epidemiology of GBS strains from carriage and disease in Brazil

Flash-talks Immunity & Seroepidemiology (2min)

convener

Kirsty Le Doare

13:45-14:00	Daniel Escobar	Impact of surface immunogenic protein deletion on vaginal colonization and cellular interactions in Group B <i>Streptococcus</i>
	Dustin Flannery	Maternal GBS serotype-specific antibody prevalence and placental transfer ratios
	Shanna Bolcen	Serum-equivalency comparison, detection, & quantification of GBS antibodies from dried blood spots
	Tom Hall	Using Dried Blood Spots for a Sero-surveillance Study of Maternally Derived Antibody against GBS

	Alyssa Brokaw	The Group B Streptococcal serine protease HtrA is a pleiotropic virulence regulator
	Michelle Coleman	GBS hyaluronidase B (hylB) is a potent immunosuppressive virulence factor that promotes adverse pregnancy outcomes in animal models
14:00- 15:30 LUNCH-SYMPOSIUM SPONSORED BY PFIZER		
Plenary Vaccines & Confidence (20min + 5min Q&A)		convener Ajoke Sobanjo-Ter Meulen
	Parent Voice Video (7min)	
15:30-16:30	Anna Seale	GBS vaccines
	Jadher Percio	Vaccination of pregnant women: challenges and lessons learned in Brazil
Oral abstracts Vaccines & Confidence (10min)		convener Clare Cutland
16:30-17:20	Lidia Oostvogels	Two doses of the Group B <i>Streptococcus</i> vaccine GBS-NN/NN2 induce an immune response in pregnant women living with HIV or not, and their infants, and show an acceptable safety profile
	Natalie Silmon de Monerri	Potential efficacy of a maternal GBS vaccine to prevent invasive GBS disease in infants
	Simon Procter	GBS maternal immunisation: A global analysis of health impact and cost-effectiveness
	Timothy Cooke	An Improved Multivalent GBS Polysaccharide Conjugate Vaccine with 100% Sialic Acid Retention
	Berhaun Fesshaye	Future GBS vaccines: Perspectives from pregnant and lactating people, health workers, community members, and policymakers in Kenya
Flash-talks Vaccines & Confidence (2min)		convener Clare Cutland
17:20-17:30	Abel E Vasquez	A vaccine against GBS based on <i>L. lactis</i> : A novel alternative with low value of production
	André Rio Tinto	Assessing GBS Vaccine Acceptance Among Pregnant Women In Rio De Janeiro, Brazil
	Kara Bickham	Evaluating a Multivalent Group B <i>Streptococcus</i> Vaccine in Pregnant Women and Their Infants
	Liwa Hjortsberg	The alpha-like protein vaccine GBS-NN,promotes memory B cell formation in non-pregnant healthy women
	Kara Bickham	Phase 2b Trial Evaluating the Safety and Immunogenicity of GBS6 Administered Concomitantly with Tdap
17:30-18:00 POSTER SESSION 4 & COFFEE BREAK		

18 October Wednesday

Plenary One Health Symposium		conveners Laura Bonofiglio, Ruth Zadoks
9:00-10:20	Ruth Zadoks	GBS as One Health issue – VIRTUAL (5 min)
	Tim Barkham	Foodborne invasive GBS – VIRTUAL (20 min)
	Carlos Leal	GBS in aquatic species and vaccination of tilapia (20 min)
	Chiara Crestani	Unveiling the Dynamics of Host Adaptation in Group B <i>Streptococcus</i> : a Key Trio of Accessory Genomic Elements (20 min)
	Laura Bonofiglio	Discussion and Q&A (15 min)
Oral abstracts One Health Symposium (10min + 2min Q&A)		conveners Laura Bonofiglio, Ruth Zadoks
10:20-10:50	Dulmini Sapugahawatte	Whole-genome analysis of human and animal <i>Streptococcus agalactiae</i> identified in Hong Kong SAR
	Antonia Hilbig	Phylogenetic Analysis Reveals Ancestral Host Association of Clonal Group 103/314 in Humans and Cattle
Flash-talks One Health Symposium (2min)		conveners Laura Bonofiglio, Ruth Zadoks
10:50-11:00	Mariana Antunes	Prevalence and Antibiotic Susceptibility of <i>S. agalactiae</i> in Macaca mulatta Vaginal Secretions
	Juliana Oliveira	Antimicrobial resistance in GBS and <i>S. aureus</i> from bovine mastitis in Brazil over 35 years
	Laura Oliveira	Group B <i>Streptococcus</i> ST103 is a host-generalist lineage in Brazil able to infect humans and cattle
	Vinicius Perez	<i>Streptococcus agalactiae</i> genetic diversity from human and cattle microbiota in Paraíba state, northeast Brazil
	Rachel Ribeiro	Comparative genomic analysis of serotype III/ST17 GBS strains from human and animal sources
11:00-11:30 POSTER SESSION 5 & COFFEE BREAK		
Oral abstracts GBS disease in adults (10min + 2min Q&A)		convener Margaret Ip
11:30-12:30	Margaret Ip	Introduction (5min)
	Tiraput Poonpanichakul	Molecular epidemiology of Group B <i>Streptococcus</i> infection in Thailand shows hypervirulent clone ST28
	Ana Clarisse Merces	<i>Streptococcus agalactiae</i> isolated from semen samples in Brazil
	Geetha Nagaraj	Population heterogeneity and antimicrobial resistance of Serotype V Group B Streptococci in India
	Ivana Gmizic	Invasive <i>Streptococcus agalactiae</i> causing disseminated infection in a non-pregnant adult
	Margaret Ip	Final discussion (5min)

Plenary Hot Topics Young ISSAD (15min + 3min Q&A)

convener Lucy Furfaro

12:30-12:50	Elita Jauneikaite	Genomic advancements in understanding Group B <i>Streptococcus</i> disease
-------------	-------------------	--

Oral abstracts Hot Topics Young ISSAD (10min + 2min Q&A)

convener

Lucy Furfaro

12:50-14:00	Macy Pell	Pangenome analysis of group B <i>Streptococcus</i> (GBS) reveals the emergence of hypermutators recovered after intrapartum antibiotic prophylaxis (IAP) that impact colonization
	Alane Izu	Estimating incidence of group B <i>streptococcus</i> early onset disease in Africa and Asia
	Leandro Simões	CRISPR1-RFLP typing of serotype III Group B <i>Streptococcus</i> from human, bovine and fish hosts
	Hanna Davies	Burden, antimicrobial sensitivity and seroepidemiology of Group B <i>Streptococcus</i> in Uganda
	Diego Diaz-Dinamarca	TLR4 agonist vaccine adjuvant based on SIP from GBS promote cross-presentation by Dendritic Cells
	Shincy MR	Unraveling the characteristics of Group B Streptococci isolated from Indian Hospitals over Six Years

14:00-15:30 Farewell Lunch & Closing session (announcement of poster awards and ISSAD 2025 host)

Poster Sessions

Poster session 1 Mon 16/10 11:00-11:30		Poster session 2 Mon 16/10 17:00-17:30		Poster session 3 Tue 17/10 11:00-11:30		Poster session 4 Tue 17/10 17:30-18:00		Poster session 5 Wed 18/10 11:00-11:30	
11:00-11:10 0	493577	17:00-17:10 0	501812	11:00-11:10 0	502382	17:30-17:40 0	483032	11:00-11:10 0	494659
	495713		504928		502410		490179		501242
	496777		510405		510133		495466		510044
	497081		510666		510237		504679		510105
	498454		513273		510278		509505		510337
	500853		513319		510519		510209		510479
	502597		513341		510579		510213		510701
	502604		513374		510620*		510347*		510703
	513381			510707					
	513471			510760					
11:10-11:20 0	504262	17:10-17:20 0		11:10-11:20 0	510622*	17:40-17:50 0	510400	11:10-11:20 0	512371
	504577		513502		510645		510501		512552
	504580		513537*		510655		510530		512556
	505649		513556		510658		510561		512599
	505765		513560		510693		510565		513215
	506115		513579		510746		510574*		513297
	509119		513581		510750		510715		513304
	509510		533055				510747		513441
				513446					
	535339			513462					
11:20-11:30 0	509635		11:20-11:30 0	511612*	17:50-18:00 0	510798			
	510075			512664		510802			
	510127			512799		512590			
	510129			513016		513321			
	510131			513249		513552			

510614			513285		513559	
536317			513291		513568	
539144			513893		539131	

*Presenting virtually

Minervax Lunch-Symposium Agenda for ISSAD 2023

Live Symposium Monday, 18 October 2023 | 14:30-15:30 PM (60 Min)

Chair: Per Fisher, CEO Minervax

Faculty:

Bengt Johansson Lindbom, CSO
Lidia Oostvogels, CMO

Symposium Agenda:

Introduction to Minervax	Per Fisher, CEO
Why is AlpN a good target for Group B Strep vaccine CSO	Bengt Johansson Lindbom,
Early clinical data	Lidia Oostvogels, CMO
Phase 2 data, MVX0005	Lidia Oostvogels, CMO
What is coming	Per Fisher, CEO
Q&A	

Pfizer Lunch-Symposium Agenda for ISSAD 2023

**GBS as a Potential Cause of Preterm Birth Live Symposium
Tuesday, 17 October 2023 | 14:30-15:30 PM (60 Min)**

Chair: Cecilia Roteli-Martins

Faculty:

Kristen Noble
Claire Cutland

Symposium Agenda:

Please fill out the
symposium
evaluation form
scanning the QR
code:



- 14:30-14:40 Introduction and brief overview of global epidemiology of GBS-associated preterm birth
Cecilia Roteli-Martins
- 14:40-15:00 Challenges in the assessment of gestational age in epidemiological studies and clinical trials
Claire Cutland
- 15:00-15:20 Biological mechanisms of GBS-associated preterm birth
Kristen Noble
- 15:20-15:30 Q&A Session
Cecilia Roteli-Martins, Moderator
Claire Cutland
Kristen Noble