

Pre-term Birth Dialogues

2021
29-30 MARCH

Virtual Conference

PROGRAMME

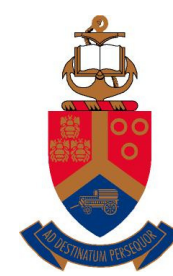


NIHR Global Health Research
Group on **PR**eterm **bI**rth
prevention and manage**ME**nt

PRIME



The
University
Of
Sheffield.



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WELCOME MESSAGE

Dear Friends and Colleagues,

The Pre-term Birth Dialogues will be held from 29 - 30 March, 2021. This year's conference will be virtual focused on the theme: *Addressing the challenges of meeting SDGs related to Maternal and Child Health by mitigating Pre-term Birth in Low- and Middle-income countries (LMICs)*.

The conference is organised by the NIHR Global Health Research Group on the prevention and management of pre-term birth in low- and middle-income countries (PRIME), funded by the UK NIHR Global Health Research programme. The conference will discuss ongoing research regarding the global challenges to attaining the Sustainable Development Goal (SDG) targets for maternal and child health focussing on preterm birth. It will bring together international researchers and leading experts in the field to discuss recent advances and emerging issues.

The aim of the meeting is to provide a forum for researchers into pre-term birth, across the maternal-fetal ecosystem ranging from epidemiology, social sciences, genetics, immunology, metabolomics, microbiology, diagnostics, prognostics, biomarkers and guideline/policy development, to meet to share their knowledge and findings and to create/strengthen networks and collaborations. This wide and eclectic mix provides a rich blend of disciplines focusing around better prevention of pre-term birth and improved care for the pre-term babies.

On behalf of the Pre-term Birth Dialogues 2021 Steering Committee and PRIME, I would like to invite you to attend the conference. We hope you will join us for a symphony of outstanding science as we network, share research findings, dialogue and formulate new research strategies to reduce the burden of pre-term birth in low resource countries.



Handwritten signature of Dilly Anumba in blue ink.

Dilly Anumba

Professor of Obstetrics & Gynaecology, University of Sheffield Medical School and Director of the NIHR Global Health Research Group on Preterm Birth Prevention and Care (PRIME)

Virtual Conference

All conference times are British Summer Time (BST)

EST: Eastern Standard Time (BST -6)

WAT: West African Time (BST +0)

SAT: South African Time (BST +1)

IST: India Standard Time (BST +4.30)

PROGRAMME

Day 1 Monday, 29 March 2021

0830 - 0930h

Session 1 Moderators: Dilly Anumba/Nadia Ikumi

0830 - 0900h

Welcome Talk: How can we improve pre-term birth risk assessment and prevention in LMICs?

Speaker: Dilly Anumba

0900 - 0930h

Talk 2: Preterm birth science for prevention & care in the COVID-19 pandemic: threats & opportunities

Speaker: Joy Lawn

0930 - 1030h

Oral presentation of selected abstracts 1

Moderators: Geentajali Katageri/Megan Cavanagh

0930 - 0940h

Abstract 1: Research priority setting for the prevention and management of preterm birth in low- and middle-income countries by 2030

Speaker: Shumona Salam

0940 - 0950h

Abstract 2: Spectrophotometric-based metabolomic profiling of vaginal dysbiosis in pregnancy for prediction of preterm birth

Speaker: Brenda Narice

0950 - 1000h

Abstract 3: Exploring the antimicrobial properties of vaginal *Lactobacillus crispatus* against pre-term birth-associated bacteria

Speaker: Emmanuel Amabebe

1000 - 1010h

Abstract 4: Transcriptomic analysis of placenta reveals a distinct gene expression pattern associated with dysregulated apoptosis and autophagy leading to pre-term birth

Speaker: Khondoker Akram

1010 - 1020h

Abstract 5: Evaluation of the relationship between placental inflammatory responses and clinical features in pre-term and term births

Speaker: Kerry Parris

1020 - 1030h

Q&A

1030 - 1045h

Coffee Break

PROGRAMME

Day 1 Monday, 29 March 2021

1045 - 1105h

Session 2A Moderators: Quamrun Nahar/Ashalata Mallapur

1045 - 1105h

Talk 3: Adolescent SRH and teenage pregnancy - Meeting the challenges, making progress.

Speaker: Marleen Temmerman

1105 - 1205h

Oral Presentation of selected abstracts 2

Moderators: Priya Soma-Pillay/Bronwen Gillespie

1105 - 1115h

Abstract 6: Perceptions and experiences of adolescent mothers in caring for their preterm babies: findings from a qualitative study in rural Bangladesh

Speaker: Shumona Salam

1115 - 1125h

Abstract 7: What influences contraceptive use and early child-bearing among married adolescent girls? Findings from an in-depth study in rural Bangladesh

Speaker: Shema Mhajabin

1125 - 1135h

Abstract 8: Adolescent accounts of pregnancy and motherhood in informal settlements in South Africa: a qualitative study

Speaker: Bronwen Gillespie

1135 - 1145h

Abstract 9: Enduring the loss with silent mourning: a grounded theory study exploring the impact of communication on women experiencing stillbirth in Malawi, Tanzania and Zambia

Speaker: Valentina Danna

1145 - 1155h

Abstract 10: How good are we on management of preterm labour?

Speaker: Alia Bashir

1155 - 1205h

Q&A

1205 - 1225h

Session 2B Moderators: Quamrun Nahar/Ashalata Mallapur

1205 - 1225h

Talk 4: Working with and against ethnic categories to tackle inequalities in perinatal mortality in England

Speaker: Sarah Salway

1225 - 1245h

Lunch

PROGRAMME

Day 1 Monday, 29 March 2021

1245 – 1345h

Panel Discussion Moderators: Julie Balen/Sabrina Jabeen

1245 - 1345h

Health systems adaptation to the COVID-19 pandemic – Implications for MNCH in LMICs

Panelists:

Mushi Matjila (SA), Ahmed Ehsanur Rahman (BD), Hadiza Galadanci (Nigeria), Umesh Charantimath (India)

Close

Day 2 Tuesday, 30 March 2021

0900 – 0920h

Session 3 Moderators: Clive Gray/Shams El Arifeen

0900 – 0920h

Talk 5: Evidence based interventions for reducing mortality and morbidity among preterm births in resource poor settings

Speaker: Shivaprasad S Goudar

0920 – 1020h

Oral Presentation of selected abstracts 3

Moderators: Elizabeth Bonney/Emmanuel Amabebe

0920 – 0930h

Abstract 11: Prevention of Spontaneous Preterm Birth and Low and Middle Income Countries: A systematic Mapping Review which demonstrates an inverse Pattern of Research

Speaker: Fiona Campbell

0930 – 0940h

Abstract 12: Cost-effectiveness of Kangaroo-Mother care interventions

Speaker: Kinga Lowrie

0940 – 0950h

Abstract 13: Feeding counselling and breastfeeding patterns among preterm and growth restricted infants in low resource settings: results from the multi-site Low Birthweight Infant Feeding Exploration (LIFE) Study

Speaker: Linda Vesel

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Day 2 Tuesday, 30 March 2021

0950 - 1000h	Abstract 14: Addressing Factors Influencing Neonatal Mortality in Ghana Speaker: Irene Fankah
1000 - 1010h	Abstract 15: Incidence of Necrotizing Enterocolitis Among Preterm Neonates Receiving Pasteurized Donor Human Milk at A Tertiary Care Hospital In South India Speaker: Roopa Bellad
1010 - 1020h	Q & A
1020 - 1030h	Coffee Break
1045 - 1220h	Session 4A Moderators: Cath Harrison/Marta Cohen
1045 - 1105h	Talk 6: Neuroprotection in global health – from survival to intact survival Speaker: Sudhin Thayyil
1105 - 1205h	Oral Presentation of selected abstracts 4 Moderators: Khondoker Akram/ Kerry Parris
1105 - 1115h	Abstract 16: Mechanical assessment of fetal membrane integrity after infection and identification of potential biomarkers of preterm prelabour rupture of membranes Speaker: Megan Cavanagh
1115 - 1125h	Abstract 17: Mid-trimester changes in cervicovaginal metabolites are distinct in women with and without preterm birth Speaker: Emmanuel Amabebe
1125 - 1135h	Abstract 18: Differential vaginal Lactobacillus species metabolism of glucose, L- and D-lactate by ¹³ C-nuclear magnetic resonance spectroscopy Speaker: Emmanuel Amabebe

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Day 2 Tuesday, 30 March 2021

1135 - 1145h	Abstract 19: An Observational Study on Prematurity in Correlation to Gestational and Neonatal Factors and Admission Outcomes in a Tertiary Care Teaching Hospital, Barishal Speaker: Joyita Barua
1145 - 1155h	Abstract 20: Massive Perivillous Fibrin Deposition of the placenta and severe acute respiratory syndrome coronavirus 2: Case series and electron microscopy Speaker: Sophie Stenton
1155 - 1205h	Q & A
1205 - 1235h	Session 4B Moderators: Cath Harrison/Marta Cohen
1205 - 1235h	Talk 7: SARS-CoV-2 at the maternal-fetal interface and associated pregnancy outcomes Speakers: Nitin Arora & Virginia Duncan
1235 - 1250h	Lunch
1250 - 1330h	Session 5 Moderators: Caroline Mitchell/Mushi Matjila
1250 - 1310h	Talk 8: Getting your research published Speaker: Anthony Odibo
1310 - 1330h	Announcement of Prizes - Oral presentations and Close

KEYNOTE SPEAKERS

Professor Dilly OC Anumba



Dilly Anumba is Professor of Obstetrics & Gynaecology and Faculty Director of Clinical Academic Training, University of Sheffield. He is a hospital consultant with subspecialist accreditation in Maternal and Fetal Medicine and directs training in the subspecialty. He runs specialist clinics in Fetal Ultrasound, Prenatal Diagnosis and Fetal Therapy, Prematurity Prevention and Care, and High-Risk Pregnancy. His research interests are translational, focusing on the biology of birth, reproductive immunology and global health inequalities. He holds numerous grants funded by the UK's Department of Health, the National Institute for Health Research (NIHR), the MRC, and the Engineering and Physical Sciences Council (EPSRC), all investigating novel approaches to manage preterm birth. He is the Director of the Global Health Research Group on Preterm Birth Prevention and Care (PRIME), in collaboration with researchers in South Africa, Bangladesh, India and Nigeria. He supervises graduate/post-graduate students across a wide range of disciplines. Dilly currently serves on the RCOG Council as International Representative for sub-Saharan Africa and chairs the UK-wide NIHR SPARC scheme of the NIHR Training Academy. He is a member of the college of experts of the African Research Excellence Framework (AREF). Dilly served on the Medical Technologies Evaluation Programme of the National Institute for Health and Clinical Care and Excellence (NICE).

Professor Joy Lawn



Joy is an African-born, British-trained paediatrician and perinatal epidemiologist with 30 years' experience especially in sub-Saharan Africa including: clinical care, epidemiological burden estimates, implementation/evaluation of maternal, newborn and child care services. Her paediatric training was in the UK, followed by teaching, implementation and research, mainly living in Africa. Her MPH was from Emory, Atlanta, USA, whilst at CDC, and her PhD at Institute of Child Health, London. For 10 years, she was Director of Evidence and Policy for Saving Newborn Lives/Save the Children.

She is currently Director of the MARCH Centre (Maternal Adolescent Reproductive & Child Health) at London School of Hygiene & Tropical Medicine, including more than 400 academics. Her main contribution to global health has been developing the evidence-base to measure and reduce the global burden of 2.5 million neonatal deaths, >2 million stillbirths, and 15million preterm births, including informing Sustainable Development Goal targets. She has published >280 peer-reviewed papers including leading several influential Lancet series, with wide media and policy uptake. She and her research team work on multi-country studies on newborn health, stillbirths and child development worldwide, including NEST360 and novel work on Group B Streptococcus. She is a champion for equitable research leadership. She is one of the few women nominated to membership of both UK Academy of Medical Sciences and USA National Academy of Medicine.

KEYNOTE SPEAKERS

Professor Marleen Temmerman



Prof dr Marleen Temmerman is a well-recognized global leader in women, child & adolescent health. Currently, she is Chair of the Department of Obstetrics and Gynaecology, Aga Khan University Hospital and Director of the Center of Excellence in Women and Child Health, Aga Khan University, Nairobi, Kenya. Prior she was Director, Department of Reproductive Health and Research (RHR), World Health Organization (Geneva, Switzerland). She is the AKU- UNESCO Chair on Youth Leadership in Science, Health, Gender and Education at the Aga Khan University, Chair of the Pumwani Maternity Hospital Management Board, Nairobi County, Kenya, and Chair of the Local Reference Group of the ICPD+25 Nairobi Summit 2019.

She has a strong academic and scientific background with over 600 publications and books in the area of women's health, Hirsch index 84. She has supervised many PhD students in globally, received several awards and honours for her research and advocacy work. In 2007, elected Senator in the Belgian Parliament where she was member of the Commission on Social Affairs, and Chair of the Commission on Foreign Affairs. Current important affiliations/memberships include: Guttmacher-Lancet Commission on Sexual and Reproductive Health and Rights in the post-2015 world; Lancet Standing Commission on Adolescent Health, Scientific Advisory Committee of the EDCTP (European and Developing Countries Trial Partnership), Senior Fellow in the Institute for Global Health Diplomacy in Geneva; Maisha Maarifa HIV/SRH Research Hub of the Kenyan National AIDS Control Council (NACC), FIGO Committee on Human Rights, Refugees and Violence against Women.

Professor Sarah Salway



Sarah Salway is Professor of Public Health in the Department of Sociological Studies at the University of Sheffield. Sarah's work lies at the intersection of sociology, social policy and public health, with the aim of understanding and addressing the social and political determinants of health and wellbeing. Her work has particularly focused on health inequalities linked to ethnicity and gender, and the processes of identification and in/exclusion operating at policy, practice and community levels that shape health-related experiences and outcomes. Her work on maternal and infant health in the UK and South Asia foregrounds the perspectives of service users. Much of Sarah's work involves close collaboration with healthcare professionals, policy-makers and third sector organisations, as well as partnerships with community-based groups and local people. She is a member of the maternal health stakeholder group of the newly established NHS Race and Health Observatory.

KEYNOTE SPEAKERS

Professor Shivaprasad Goudar



Dr Shivaprasad Goudar is Director-Research of KLE Academy of Higher Education and Research, Belagavi, Karnataka, India. He currently heads the NICHD Global Network for Women's and Children's Health Research Site at Jawaharlal Nehru Medical College, Belagavi and is also the Director of its WHO Collaborating Centre for Research in Maternal and Perinatal Health. His professional responsibilities encompass the design and implementation of research protocols aimed at improving health outcomes of underserved populations, especially women and children residing in low resource settings. He has led, often as Principal or Site Investigator, many studies funded by the World Health Organization; the National Institutes of Health (specifically the Eunice Kennedy Shriver National Institute of Child Health and Human Development, the Fogarty International Center, and the National Cancer Institute); the American Academy of Pediatrics; the Thrasher Research Fund; the Newton Fund (a collaboration between the UK Medical Research Council and the Department of Biotechnology, India; the Bill & Melinda Gates Foundation; and the Children's Investment Fund Foundation. The research is particularly focused on postpartum hemorrhage, maternal and infant nutrition, hypertensive disorders of pregnancy, birth asphyxia, preterm births and early childhood neurodevelopment.

Professor Sudhin Thayyil



Sudhin Thayyil MD, DCH, FRCPCH, PhD is a Professor of Perinatal Neuroscience and the Director of the Centre for Perinatal Neuroscience at Imperial College London, UK. His group leads one of the largest clinical research programs on neonatal encephalopathy in the world, involving over 40 tertiary neonatal units in six countries. His research is focussed on disease stratification using transcriptomic signatures and evaluation of novel neuroprotective therapies in neonatal encephalopathy using advanced magnetic resonance biomarkers. He is the chief investigator of several early and late phase multi-country studies including the COMET (Cooling in Mild Neonatal Encephalopathy), EDEN (Erythropoietin and Darbepoetin in Neonatal Encephalopathy), HELIX (Hypothermia for Encephalopathy in low and middle-income countries) trial and PREVENT (Prevention of Epilepsy by reducing neonatal encephalopathy) study.

Dr Virginia Duncan



Virginia Duncan is an Assistant Professor of Pathology, and Section Head of Perinatal Pathology, at the University of Alabama at Birmingham (UAB). She holds Board Certifications in Anatomic, Clinical, and Pediatric Pathology. She received her MD degree from the University of Florida College of Medicine and completed Pathology residency training at UAB, followed by Pediatric and Perinatal Pathology Fellowship training at Seattle Children's Hospital in Seattle, Washington. Her research interests focus on the relationship of placental morphology to pathophysiology, with recent efforts focused on the role of the placenta in intrauterine infections. She currently collaborates in multidisciplinary clinical, educational and research efforts with Maternal Fetal Medicine, Obstetrics, Neonatology, and Genetics Departments. She is also active in the Pediatric and Perinatal Pathology community, serving on the Education Committee of the Society for Pediatric Pathology, and on the Editorial Board for the journal Pediatric and Developmental Pathology.

KEYNOTE SPEAKERS

Dr Nitin Arora



Nitin Arora MD, MPH is an Assistant Professor of Neonatology at the University of Alabama at Birmingham (UAB). He received his MBBS degree from the Rajiv Gandhi University of Health Sciences in Bangalore, India and completed his Pediatric residency at West Virginia University. Thereafter he completed his Neonatology fellowship at the University of Pittsburgh Medical Center and Children's Hospital of Pittsburgh. In addition, he has completed a Master of Public Health at UAB. His lab is focused on understanding vertical transmission of viral pathogens, with special emphasis on human cytomegalovirus (HCMV), HIV and SARS-CoV-2. Dr. Arora's current project addresses the impact of SARS-CoV-2 at the maternal-fetal interface. Furthermore, correlating these findings with clinical pregnancy outcomes. The overarching goal of his lab is to set up placental model systems to study host-virus interactions. Dr. Arora can be followed on Twitter @nitinaneo.

Professor Anthony Odibo



Anthony Odibo is a Professor of Obstetrics and Gynecology at the University of South Florida, Tampa, FL, USA. Previous notable employments were as faculty at University of Pennsylvania, Philadelphia and Washington University in St. Louis. He completed his medical training at the University of Benin, Nigeria and trained in Obstetrics and Gynecology / Maternal Fetal Medicine in the UK and USA. He is a Fellow of the Royal College of Obstetrics and Gynecology and the American College of Obstetrics and Gynecology. Anthony Odibo also holds a Master's degree in Clinical Epidemiology from the University of Pennsylvania, USA.

Anthony Odibo splits his time between an active clinical practice with focus on Prenatal diagnosis and Fetal therapy as well as research investigating prediction models and the role of the placenta in development of adverse pregnancy outcomes. He is the Medical Director of the Fetal Care Center of Tampa Bay.

Anthony Odibo is the Editor in Chief for Ultrasound in Obstetrics and Gynecology. He has previously served as the Deputy Chief Editor for ACTA and Editor for BJOG and Ultrasound in Obstetrics and Gynecology and is on the Editorial Board for BJOG and Prenatal Diagnosis.