SUNDAY, JANUARY 22
Arrival and Registration

MONDAY, JANUARY 23
Welcome and Keynote Address (Joint)
Adrian Erlebacher, University of California, San Francisco, USA
Maternal Fetal Immune System Crosstalk

Emerging Viral Infections in Pregnancy (J6)
Amy L. Hartman, University of Pittsburgh, USA
Rift Valley Fever Virus: An Emerging Threat in Pregnancy
Helen M. Lazear, University of North Carolina, USA
Protective and Pathologic Effects of Antiviral Immunity During Congenital Viral Infections
Andrea Edlow, Massachusetts General Hospital, USA
SARS-CoV-2 Infection in Pregnancy

Short Talks Chosen from Abstracts

Developmental Origins of Health and Disease: From Association to Mechanism (J5)
Chittaranjan Sakerlal Yajnik, KEM Hospital Research Center, India
Maternal Vitamin B12: One Carbon Metabolism, Fetal Growth and Programming for Chronic Disease
Frank Harry Bloomfield, University of Auckland, New Zealand
Preterm Birth and Risk of Metabolic Disease
Claire Trelford Roberts, Flinders University, Australia
Placental, Fetal and Maternal Crosstalk for Maternal and Child Health in Pregnancy and Beyond

Short Talks Chosen from Abstracts

Poster Session 1
Short Talks Chosen from Abstracts

Workshop (J6)
Short Talks Chosen from Abstracts

Workshop (J5)
Short Talks Chosen from Abstracts

Bacterial and Parasite Infections During Pregnancy: New Insights into Disease Pathogenesis (J6)
Jennifer A. Gaddy, Vanderbilt University, USA
The Role of Metal Homeostasis and Macrophages in Maternal-Fetal Group B Streptococcus Infections
Stephanie Seveau, Ohio State University, USA
Inflammatory Responses to Listeria Monocytogenes Infection in the Placenta
Jon P. Boyle, University of Pittsburgh, USA
Virulence Mechanisms of Toxoplasma Gondii

Short Talks Chosen from Abstracts

Maternal Obesity and Diabetes Consequences for Offspring and Mothers (J5)
Rachel Freathy, University of Exeter, UK
Using Genetics to Understand Mechanisms Behind Associations of Maternal Adiposity with Birth Weight
Moffat Nyirenda, London School of Hygiene and Tropical Medicine, Uganda
Gestational Diabetes in Uganda
Marlena S. Fejzo, University of Southern California, USA
What Causes Extreme Pregnancy Sickness?

Short Talks Chosen from Abstracts

TUESDAY, JANUARY 24
Progress Towards Vaccines, Therapies, and Diagnostics for Congenital Infections (J6)
Sallie R. Permar, Weill Cornell Medical Center, USA
Progress Towards Developing a Vaccine Against Human Cytomegalovirus
Annaliesa S. Anderson, Pfizer, Inc, USA
Group B Streptococcal Disease in Babies and Progress Vaccine Development
Mark R. Schleiss, University of Minnesota Medical School, USA
Progress Towards Vaccines, Therapies, and Diagnostics for Congenital Infections
Ilse Dieussaert, GSK Vaccines, USA
Maternal Vaccination to Protect Infants from Respiratory Syncytial Virus

Short Talks Chosen from Abstracts

Mechanisms Underlying Fetal Growth and Pregnancy Duration (J5)
Annettee Olivia Nakimuli, Makerere University, Uganda
Longitudinal Studies of Fetal Growth and Pre-Eclampsia in Sub-Saharan Africa
Melissa J. Moore, Moderna Therapeutics, USA
Therapeutics for Preeclampsia
Jo James, University of Auckland, New Zealand
Materno-Fetal Blood Flow and Fetal Growth Restriction
Louis J. Muglia, Burroughs Welcome Fund and Cincinnati Children’s Hospital Medical Center, USA
From Association to Causality using GWAS Findings in Pregnancy

Short Talks Chosen from Abstracts

NIH Programmatic Research Interests: Maternal Fetal Interface: Immune Development and Ontogeny (J6)
Sai P. Majji, NICHD, National Institutes of Health, USA
Career Roundtable (Joint)

Immune Symbiosis and Communication Between Mother and Fetus (Joint)

Tamara Tilburgs, Cincinnati Children’s Hospital, USA
Mechanisms of Maternal-Fetal Immune Tolerance and Placental Immunity in Human Pregnancy

Regina Hoo, Wellcome Sanger Institute, UK
A Single-cell Multilineage Map of Infection during Early Human Placentation Reveals Unique Responses to Pathogens

Nardhy Gomez-Lopez†, Wayne State University, Perinatology Research Branch/NICHD, USA
Talk Title to be Announced

Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, JANUARY 25

Effects of Infection During Pregnancy on Maternal Health (Joint)

Sabra L. Klein, Johns Hopkins University, USA
Pathogenesis of Respiratory Viruses in Pregnant Women

Kristina Adams Waldorf, University of Washington, USA
New Insights from Nonhuman Primate Models of Congenital Infection

Genevieve Fouda, Weil Cornell Medicine, USA
HIV Infection in Pregnancy

Julie Gutman, Centers for Disease Control and Prevention, USA
Malaria in Pregnancy

Short Talks Chosen from Abstracts

Panel Discussion: Challenges and Opportunities for Maternal-Fetal Health Research in Sub-Saharan Africa (J5)

Annettee Olivia Nakimuli, Makerere University, Uganda

Moffat Nyirenda, London School of Hygiene and Tropical Medicine, Uganda

Advances in Model Systems and Methods for Studying Congenital Infection (J6)

Carolyn B. Coyne, Duke University, USA
Organoids as Models of Infections at the Maternal-Fetal Interface

David M. Aronoff, Indiana University, USA
An Organ-on-Chip Model for Studying Fetal Membrane Infections

Craig J. Bierle, University of Minnesota, USA
Guinea Pig Models of Congenital Infection

Short Talks Chosen from Abstracts

What Can We Learn from Genetic and Epigenetic Studies of the Fetus, Mother and Father? (J5)

Amanda N. Sferruzzi-Perri, University of Cambridge, UK
Genetic Studies in Mice to Understand the Significance of the Placental Contribution to Maternal and Fetal Outcomes

Andrew Hattersley, University of Exeter Medical School, UK
Association to Mechanism: What Can We Learn from Human Knock-Out Models?

Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J6)

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J5)

THURSDAY, JANUARY 26

Departure

* Session Chair † Invited but not yet accepted     Program current as of November 17, 2022. Meal formats are based on meeting venue.
For the most up-to-date details, visit https://www.keystonesymposia.org.