

**THURSDAY, February 6 • 8:00am — 10:00am • Grand Ballroom A-C**

Time	Abstract	Oral Plenary Session I
8:00am	1	<p><b>Quality of care, obstetrics risk management and mode of delivery in Quebec (QUARISMA): a cluster-randomized trial</b>  <b>Nils Chaillet</b><sup>1</sup>, Alexandre Dumont<sup>2</sup>, Emmanuel Bujold<sup>3</sup>, Jean-Charles Pasquier<sup>4</sup>, François Audibert<sup>1</sup>, Eric Dubé<sup>1</sup>, Marylène Dugas<sup>5</sup>, Rebecca Burne<sup>6</sup>, Michael Abrahamowicz<sup>6</sup>, William Fraser<sup>1</sup></p> <p><sup>1</sup>CHU Sainte-Justine, Obstetrics and Gynaecology, Montreal, QC, Canada, <sup>2</sup>IRD, International Health, Paris, France, <sup>3</sup>U. Laval, Obstetrics and Gynaecology, Quebec, QC, Canada, <sup>4</sup>U. Sherbrooke, Obstetrics and Gynaecology, Sherbrooke, QC, Canada, <sup>5</sup>U. Rimouski, Public health, Rimouski, QC, Canada, <sup>6</sup>U. McGill, Biostatistics, Montreal, QC, Canada</p>
8:15am	2 <sup>§</sup>	<p><b>Delivery versus expectant monitoring for late preterm hypertensive disorders of pregnancy (HYPITAT-II): a multicenter, open label, randomized controlled trial</b>  <b>Kim Broekhuijsen</b><sup>1</sup>, Gert-Jan van Baaren<sup>2</sup>, Mariëlle van Pampus<sup>3</sup>, Marko Sikkema<sup>4</sup>, Mallory Woiski<sup>5</sup>, Martijn Oudijk<sup>6</sup>, Kitty Bloemenkamp<sup>7</sup>, Hubertina Scheepers<sup>8</sup>, Henk Bremer<sup>9</sup>, Robbert Rijnders<sup>10</sup>, Aren van Loon<sup>11</sup>, Denise Perquin<sup>12</sup>, Jan Sporken<sup>13</sup>, Dimitri Papatsonis<sup>14</sup>, Marloes van Huizen<sup>15</sup>, Corla Vredevoogd<sup>16</sup>, Jozien Brons<sup>17</sup>, Anton van Kaam<sup>18</sup>, Henk Groen<sup>19</sup>, Martina Porath<sup>20</sup>, Ben Mol<sup>2</sup>, Maureen Franssen<sup>1</sup>, Josje Langenveld<sup>21</sup></p> <p><sup>1</sup>University of Groningen, University Medical Center Groningen, Obstetrics and Gynecology, Groningen, Netherlands, <sup>2</sup>Academic Medical Center, University of Amsterdam, Obstetrics and Gynecology, Amsterdam, Netherlands, <sup>3</sup>Onze Lieve Vrouwe Gasthuis, Obstetrics and Gynecology, Amsterdam, Netherlands, <sup>4</sup>Ziekenhuisgroep Twente, Obstetrics and Gynecology, Almelo, Netherlands, <sup>5</sup>University Medical Center St. Radboud, Obstetrics and Gynecology, Nijmegen, Netherlands, <sup>6</sup>University Medical Center Utrecht, Obstetrics and Gynecology, Utrecht, Netherlands, <sup>7</sup>Leiden University Medical Center, Obstetrics and Gynecology, Leiden, Netherlands, <sup>8</sup>Maastricht University Medical Center, Obstetrics and Gynecology, Maastricht, Netherlands, <sup>9</sup>Reinier de Graaf Gasthuis, Obstetrics and Gynecology, Delft, Netherlands, <sup>10</sup>Jeroen Bosch Ziekenhuis, Obstetrics and Gynecology, Den Bosch, Netherlands, <sup>11</sup>Martini Ziekenhuis, Obstetrics and Gynecology, Groningen, Netherlands, <sup>12</sup>Medical Center Leeuwarden, Obstetrics and Gynecology, Leeuwarden, Netherlands, <sup>13</sup>St. Canisius-Wilhelmina Ziekenhuis, Obstetrics and Gynecology, Nijmegen, Netherlands, <sup>14</sup>Amphia Ziekenhuis, Obstetrics and Gynecology, Breda, Netherlands, <sup>15</sup>Haga Ziekenhuis, Obstetrics and Gynecology, Den Haag, Netherlands, <sup>16</sup>Medisch Centrum Haaglanden, Obstetrics and Gynecology, Den Haag, Netherlands, <sup>17</sup>Medisch Spectrum Twente, Obstetrics and Gynecology, Enschede, Netherlands, <sup>18</sup>Academic Medical Center, University of Amsterdam, Pediatrics, Amsterdam, Netherlands, <sup>19</sup>University of Groningen, University Medical Center Groningen, Epidemiology, Groningen, Netherlands, <sup>20</sup>Maxima Medisch Centrum, Obstetrics and Gynecology, Veldhoven, Netherlands, <sup>21</sup>Atrium Medisch Centrum, Obstetrics and Gynecology, Heerlen, Netherlands</p>
8:30am	3	<p><b>Early clindamycin for bacterial vaginosis in low-risk pregnancy: the PREMEVA1 randomized, multicenter, double-blind, placebo-controlled trial</b>  <b>Damien Subtil</b><sup>1</sup>, Gilles Brabant<sup>3</sup>, Emma Tilloy<sup>1</sup>, Julia Salleron<sup>2</sup>, Frédérique Canis<sup>4</sup>, Annie Fruchart<sup>5</sup>, Marie-Christine Bissinger<sup>5</sup>, Jean-Charles Dugimont<sup>6</sup>, Nolf Catherine<sup>6</sup>, Jerome Chantrel<sup>1</sup>, Marielle Jousse<sup>7</sup>, David Desseauve<sup>7</sup>, Jean-Louis Plennevaux<sup>8</sup>, Delaeter Christine<sup>1</sup>, Sylvie Deghillage<sup>1</sup>, Anne Personne<sup>1</sup>, Joyez Emmanuelle<sup>1</sup>, Rodrigue Dessein<sup>5</sup>, Francois Goffinet<sup>9</sup></p> <p><sup>1</sup>CHRU-University Lille Nord de France, Obstetrics Gynecology, Lille, France, <sup>2</sup>CHRU-University Lille Nord de France, EA 2694-Biostatistics, Lille, France, <sup>3</sup>St Vincent de Paul Hospital GHICL, Université Libre, Obstetrics Gynecology, Lille, France, <sup>4</sup>Hospital of Valenciennes, Biology, Valenciennes, France, <sup>5</sup>CHRU-University Lille Nord de France, Biology Pathology Centre, Lille, France, <sup>6</sup>Association des Biologistes Nord Picardie, Biology - Quality Assessment, Tourcoing, France, <sup>7</sup>Poitiers University Hospital, Obstetrics Gynecology, Poitiers, France, <sup>8</sup>Poitiers University Hospital, Obstetrics Gynecology, Arras, France, <sup>9</sup>INSERM U953, Perinatal Epidemiology, Paris, France</p>
8:45am	4	<p><b>Prevention of preterm delivery by 17 alpha-hydroxyprogesterone caproate in high risk asymptomatic singleton gestations with a short cervix: a randomized controlled trial</b>  <b>Norbert Winer</b><sup>1</sup>, Philippe Deruelle<sup>2</sup>, Marie-Victoire Senat<sup>3</sup>, Patrick Rozenberg<sup>4</sup></p> <p><sup>1</sup>Hôpital Mère-Enfant, Obstetrics and Gynecology, Nantes, France, <sup>2</sup>Hôpital Jeanne de Flandre, Obstetrics and Gynecology, Lille, France, <sup>3</sup>Hôpital Bicêtre, Hôpital Antoine Bécère, AP-HP, Obstetrics and Gynecology, Paris, France, <sup>4</sup>Hôpital Poissy Saint-Germain, Obstetrics and Gynecology, Poissy, France</p>
9:00am	5 <sup>†</sup>	<p><b>Rare chromosome abnormalities detected by current prenatal screening compared to expected performance using non-invasive prenatal testing (NIPT)</b>  <b>Mary Norton</b><sup>1</sup>, Robert Currier<sup>2</sup>, Laura Jelliffe-Pawlowski<sup>2</sup></p> <p><sup>1</sup>University of California, San Francisco, Division of Maternal Fetal Medicine, Department of Obstetrics, Gynecology and Reproductive Sciences, San Francisco, CA, <sup>2</sup>California Department of Public Health, Genetic Disease Screening Program, Richmond, CA</p>
9:15am	6	<p><b>Resveratrol supplementation during pregnancy: maternal and placental benefits with a potential fetal risk</b>  <b>Antonio Frias</b><sup>1</sup>, Victoria Roberts<sup>2</sup>, Lynley Pound<sup>2</sup>, Stephanie Thorn<sup>3</sup>, Melanie Gillingham<sup>4</sup>, Kent Thornburg<sup>5</sup>, Jacob Friedman<sup>3</sup>, Kevin Grove<sup>2</sup></p> <p><sup>1</sup>Oregon Health &amp; Science University, OB/GYN, Portland, OR, <sup>2</sup>Oregon National Primate Research Center, Diabetes, Obesity, &amp; Metabolism, Beaverton, OR, <sup>3</sup>University of Colorado, Pediatrics, Denver, CO, <sup>4</sup>Oregon Health &amp; Science University, Medical and Molecular Genetics, Portland, OR, <sup>5</sup>Oregon Health &amp; Science University, Knight Cardiovascular Institute, Portland, OR</p>
9:30am	7	<p><b>Telomere shortening in stillbirth: a sign of premature placental senescence</b>  <b>Francesca Ferrari</b><sup>1</sup>, Fabio Facchinetti<sup>1</sup>, Huaizhi Yin<sup>2</sup>, George Saade<sup>2</sup>, Ramkumar Menon<sup>2</sup></p> <p><sup>1</sup>University of Modena and Reggio Emilia, Obstetrics and Gynecology, Mother-Infant Department, Modena, Italy, <sup>2</sup>University of Texas Medical Branch, Department of Obstetrics and Gynecology, Galveston, TX</p>
9:45am	8	<p><b>Epigenetics and microRNA as a unifying mechanism in severe preeclampsia</b>  <b>Mahua Choudhury</b><sup>1</sup>, Hua Li<sup>2</sup>, Sean Harshman<sup>3</sup>, Michael Freitas<sup>4</sup>, Lorraine Dugoff<sup>5</sup></p> <p><sup>1</sup>Texas A&amp;M, Pharmaceutical Science, Kingsville, TX, <sup>2</sup>Texas A&amp;M, Kingsville, TX, <sup>3</sup>Ohio State University, Molecular virology, immunology &amp; medical genetics, Columbus, OH, <sup>4</sup>Ohio State University, Molecular virology, immunology &amp; medical genetics, Columbus, OH, <sup>5</sup>University of Pennsylvania, Obstetrics and Gynecology, Philadelphia, PA</p>

§The Norman F. Gant Award for Best Research in Maternal Medicine.  
 †The Dru Carlson Memorial Award for Best Research in Ultrasound and Genetics.  
 Blue type in each byline indicates the presenting/primary author.

## THURSDAY, February 6 • 1:15pm — 3:30pm • Grand Ballroom A

Time	Abstract	Oral Concurrent Session 1
1:15pm	9*	<b>Genetic variation in key biologic processes may influence response to 17-alpha hydroxyprogesterone caproate (17P) for recurrent preterm birth (PTB) prevention</b> <b>Tracy Manuck<sup>1</sup></b> , Scott Watkins <sup>2</sup> , M. Sean Esplin <sup>1</sup> , Michael Varner <sup>1</sup> , G. Marc Jackson <sup>1</sup> , Barry Moore <sup>2</sup> , Mark Yandell <sup>2</sup> , Lynn Jorde <sup>2</sup> <sup>1</sup> Intermountain Healthcare and The University of Utah, Obstetrics and Gynecology, Salt Lake City, UT, <sup>2</sup> The University of Utah, Human Genetics, Salt Lake City, UT
1:30pm	10	<b>Preconception low dose aspirin and preterm birth: findings from the EAGeR (Effects of Aspirin in Gestation and Reproduction) randomized trial</b> <b>Katherine Ahrens<sup>1</sup></b> , Robert Silver <sup>2</sup> , Neil Perkins <sup>1</sup> , Luchin Wong <sup>2</sup> , Noya Galai <sup>3</sup> , Laurie Leshner <sup>2</sup> , David Faraggi <sup>3</sup> , Jean Wactawski-Wende <sup>4</sup> , Janet Townsend <sup>5</sup> , Anne Lynch <sup>6</sup> , Sunni Mumford <sup>1</sup> , Enrique Schisterman <sup>1</sup> <sup>1</sup> Eunice Kennedy Shriver National Institute of Child Health and Human Development, Epidemiology Branch, Division of Intramural Population Health Research, Bethesda, MD, <sup>2</sup> University of Utah Health Services, Department of Obstetrics and Gynecology, Salt Lake City, UT, <sup>3</sup> University of Haifa, Department of Statistics, Haifa, Israel, <sup>4</sup> University at Buffalo, Department of Social and Preventive Medicine, Buffalo, NY, <sup>5</sup> Commonwealth Medical College, Department of Family, Community and Rural Health, Scranton, PA, <sup>6</sup> University of Colorado, Department of Obstetrics and Gynecology, Aurora, CO
1:45pm	11	<b>Fetal membrane microbiota is altered in preterm premature rupture of membranes</b> <b>Amy Murtha<sup>1</sup></b> , Kimberly Fortner <sup>1</sup> , Brian Antczak <sup>1</sup> , Jennifer Thompson <sup>1</sup> , R Phillips Heine <sup>1</sup> , Haywood Brown <sup>1</sup> , Patrick Seed <sup>2</sup> <sup>1</sup> Duke University Medical Center, Ob-Gyn, Durham, NC, <sup>2</sup> Duke University Medical Center, Pediatric Infectious Disease, Durham, NC
2:00pm	12	<b>Distinct microRNA profiles are present in cervical cells months prior to a preterm birth</b> <b>Michal Elovitz<sup>1</sup></b> , Amy Brown <sup>1</sup> , Lauren Anton <sup>1</sup> , Laura Anglim <sup>1</sup> , Jamie Bastek <sup>1</sup> <sup>1</sup> University of Pennsylvania Perelman School of Medicine, Maternal and Child Health Research Program, Philadelphia, PA
2:15pm	13	<b>Centering Pregnancy is associated with fewer early, but not overall, preterm deliveries</b> <b>Merlin Fausett<sup>1</sup></b> , Benjamin Gill <sup>3</sup> , Michael Esplin <sup>2</sup> , Andrea Shields <sup>1</sup> , Barton Staat <sup>1</sup> <sup>1</sup> San Antonio Military Health System, OB/GYN, San Antonio, TX, <sup>2</sup> University of Utah Health Sciences Center, OB/GYN, Salt Lake City, UT, <sup>3</sup> Brigham Young University Idaho, Rexberg, ID
2:30pm	14	<b>Methylation differences reveal heterogeneity in spontaneous preterm birth pathophysiology: a visual analytical approach</b> <b>Suresh Bhavnani<sup>1</sup></b> , Bryant Dang <sup>1</sup> , Varun Kilaru <sup>3</sup> , Maria Caro <sup>1</sup> , George Saade <sup>2</sup> , Alicia Smith <sup>3</sup> , Ramkumar Menon <sup>2</sup> <sup>1</sup> University of Texas Medical Branch, Institute for Translational Sciences, Galveston, TX, <sup>2</sup> University of Texas Medical Branch, Department of Obstetrics and Gynecology, Galveston, TX, <sup>3</sup> Emory University School of Medicine, Department for Human Genetics, Atlanta, GA
2:45pm	15	<b>Genetic predisposition to adverse neurodevelopmental outcome after early preterm birth: a validation analysis</b> <b>Erin A. S. Clark<sup>1</sup></b> , <sup>1</sup> The Eunice Kennedy Shriver NICHD Maternal-Fetal Medicine Units and Neonatal Research Networks, Bethesda, MD
3:00pm	16	<b>MMP-8 correlates with an increase in anxiety and depression during early pregnancy and the postpartum period</b> <b>Laura Meints<sup>1</sup></b> , Rachel Saunders <sup>1</sup> , Regina Agboola <sup>2</sup> , Kristin Ashford <sup>4</sup> , Arnold Stromberg <sup>3</sup> , John O'Brien <sup>1</sup> <sup>1</sup> University of Kentucky, Obstetrics & Gynecology, Lexington, KY, <sup>2</sup> Wayne State University School of Medicine, Obstetrics & Gynecology, Detroit, MI, <sup>3</sup> University of Kentucky, Statistics, Lexington, KY, <sup>4</sup> University of Kentucky, College of Nursing, Lexington, KY
3:15pm	17	<b>Dynamic acetylation of histone 3 lysine 9 (H3K9) regulates corticotropin releasing hormone (CRH) in the human placenta</b> <b>Valeria Di Stefano<sup>1</sup></b> , Natalia Parobchak <sup>1</sup> , Natalie Roche <sup>2</sup> , Bing Bing Wang <sup>1</sup> , Todd Rosen <sup>1</sup> <sup>1</sup> Rutgers- RWJMS, Department of Obstetrics, Gynecology and Reproductive Sciences, New Brunswick, NJ, <sup>2</sup> Rutgers-New Jersey Medical School, Obstetrics, Gynecology and Reproductive Sciences, Newark, NJ

## THURSDAY, February 6 • 1:15pm — 3:30pm • Grand Ballroom B

Time	Abstract	Oral Concurrent Session 2
1:15pm	18	<b>Transplacental passage of vancomycin from mother to newborn</b> <b>Cheryl Onwuchuruba<sup>1</sup></b> , Craig Towers <sup>1</sup> , Bobby Howard <sup>1</sup> , Mark Hennessy <sup>1</sup> , Lynlee Wolfe <sup>1</sup> , Suzanne Brown <sup>1</sup> <sup>1</sup> University of Tennessee Medical Center, Obstetrics & Gynecology, Knoxville, TN
1:30pm	19	<b>Alcohol inhibits innate anti-HIV factor expression and enhances HIV infection of cord blood monocyte-derived macrophages (CBMDM)</b> <b>Dimitrios Mastrogiannis<sup>1</sup></b> , <sup>1</sup> Temple University School of Medicine, Department of Ob Gyn, Philadelphia, PA
1:45pm	20	<b>Benefit of inter-pregnancy HIV viral load suppression on subsequent maternal and infant outcomes</b> <b>Robert Stewart<sup>1</sup></b> , C. Edward Wells <sup>1</sup> , Scott Roberts <sup>1</sup> , Vanessa Rogers <sup>1</sup> , Barbara McElwee <sup>1</sup> , Donald McIntire <sup>1</sup> , Jeanne Sheffield <sup>1</sup> <sup>1</sup> University of Texas Southwestern Medical Center, Obstetrics and Gynecology, Dallas, TX
2:00pm	21	<b>Acute parvovirus infection in pregnancy: are we underestimating the risk?</b> <b>Lydia Simmons<sup>1</sup></b> , Naomi Burke <sup>1</sup> , Etaoin Kent <sup>1</sup> , Fergal Malone <sup>1</sup> <sup>1</sup> Royal College of Surgeons in Ireland, Obstetrics and Gynaecology, Dublin, Ireland
2:15pm	22	<b>Midtrimester microbial invasion of the amniotic cavity and the risk of very preterm birth</b> <b>Emmanuel Bujold<sup>1</sup></b> , Amélie Tétu <sup>2</sup> , Geneviève Laforest <sup>2</sup> , Louise Duperron <sup>4</sup> , Fabien Rallu <sup>3</sup> <sup>1</sup> Université Laval, Obstetrics and Gynecology, Québec, QC, Canada, <sup>2</sup> Centre de recherche du CHU de Québec, Québec, QC, Canada, <sup>3</sup> Université de Montréal, Microbiology and Immunology, Québec, QC, Canada, <sup>4</sup> Université de Montréal, Obstetrics and Gynecology, Québec, QC, Canada

\*March of Dimes Award for Best Research in Prematurity.

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