

## THURSDAY, February 4 • 8:00am — 10:00am • Hilton Atlanta - Grand Ballroom

Time	Abstract	Oral Plenary I
8:00am	1	<b>Antenatal Late Preterm Steroids (ALPS): a Randomized Trial to Reduce Neonatal Respiratory Morbidity</b> <b>Cynthia Gyamfi-Bannerman<sup>1</sup></b> <sup>1</sup> for the <i>Eunice Kennedy Shriver</i> NICHD MFMU Network, Bethesda, MD
8:15am	2	<b>Effect of Treatment of Maternal Subclinical Hypothyroidism or Hypothyroxinemia on IQ in Offspring</b> <b>Brian Casey<sup>1</sup></b> <sup>1</sup> for the <i>Eunice Kennedy Shriver</i> NICHD MFMU Network, Bethesda, MD
8:30am	3	<b>Azithromycin-based extended spectrum antibiotic prophylaxis for non-elective cesarean delivery: a pragmatic multicenter placebo-controlled double-blind rct</b> <b>Alan Tita<sup>1</sup></b> , Jeff Szychowski <sup>1</sup> , Kim Boggess <sup>2</sup> , George Saade <sup>3</sup> , Sherri Longo <sup>4</sup> , Erin Clark <sup>5</sup> , Sean Esplin <sup>5</sup> , Kirsten Cleary <sup>6</sup> , Ron Wapner <sup>7</sup> , Kellett Letson <sup>8</sup> , Michelle Owens <sup>9</sup> , Adi Abramovici <sup>10</sup> , Namasivayam Ambalavanan <sup>11</sup> , Gary Cutter <sup>12</sup> , William Andrews <sup>1</sup> <sup>1</sup> University of Alabama at Birmingham, Center for Women's Reproductive Health, Birmingham, AL, <sup>2</sup> University of North Carolina - Chapel Hill, Chapel Hill, NC, <sup>3</sup> University of Texas Medical Branch, Galveston, TX, <sup>4</sup> Ochsner, New Orleans, LA, <sup>5</sup> University Of Utah and Intermountain Health Care, Salt Lake City, UT, <sup>6</sup> Columbia University, New York City, NY, <sup>7</sup> Columbia University, New York, NY, <sup>8</sup> Mission Hospital, Asheville, NC, <sup>9</sup> University of Mississippi, Jackson, MS, <sup>10</sup> UT Houston, Houston, TX, <sup>11</sup> University of Alabama at Birmingham, Division of Neonatology, Birmingham, AL, <sup>12</sup> University of Alabama at Birmingham, Birmingham, AL
8:45am	4	<b>Chlorhexidine-alcohol compared with iodine-alcohol for preventing surgical-site infection at cesarean: a randomized controlled trial</b> <b>Methodius Gamuo Tuuli<sup>1</sup></b> , Jingxia Liu <sup>1</sup> , Molly J. Stout <sup>1</sup> , Shannon Martin <sup>1</sup> , Alison G. Cahill <sup>1</sup> , Graham Colditz <sup>1</sup> , George A. Macones <sup>1</sup> <sup>1</sup> Washington University in St. Louis, St. Louis, MO
9:00am	5	<b>Foley or Misoprostol for the Management of Induction (The 'FOR MOMI' trial): A four-arm randomized clinical trial</b> <b>Lisa Danielle Levine<sup>1</sup></b> , Mary D. Sammel <sup>2</sup> , Samuel Parry <sup>1</sup> , Catherine T. Williams <sup>2</sup> , Michal A. Elovitz <sup>1</sup> , Sindhu K. Srinivas <sup>1</sup> <sup>1</sup> Maternal and Child Health Research Program; University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, <sup>2</sup> Department of Biostatistics and Epidemiology, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
9:15am	6	<b>The use of serial cervical length and quantitative fetal fibronectin to identify nulliparous women at risk of subsequent spontaneous preterm birth</b> <b>Michael Esplin<sup>1</sup></b> <sup>1</sup> for the <i>Eunice Kennedy Shriver</i> National Institute of Child Health and Human Development NuMoM2b Network, Bethesda, MD
9:30am	7	<b>Use of maternal early warning trigger (MEWT) tool reduces maternal morbidity</b> <b>Laurence Shields<sup>1, 2</sup></b> , Suzanne Wiesner <sup>2</sup> , Barbara Pelletreau <sup>2</sup> , Herman Hedriana <sup>3</sup> <sup>1</sup> Marian Regional Medical Center, Santa Maria, CA, <sup>2</sup> Dignity Health, Department of Patient Safety, San Francisco, CA, <sup>3</sup> Sacramento Maternal Fetal Medicine, Sacramento, CA
9:45am	8	<b>Males are from Mars, females are from Venus: sex-specific fetal brain gene expression signatures in a mouse model of maternal diet-induced obesity</b> <b>Andrea G. Edlow<sup>1</sup></b> , Faycal Guedj <sup>1</sup> , Deanna Y. Sverdlov <sup>2</sup> , Jeroen L. Pennings <sup>3</sup> , Caterina Neri <sup>4</sup> , Sanaya T. Daruvala <sup>2</sup> , Diana W. Bianchi <sup>4</sup> <sup>1</sup> Tufts Medical Center, Mother Infant Research Institute, Boston, MA, <sup>2</sup> Tufts University School of Medicine, Boston, MA, <sup>3</sup> National Institute for Public Health and the Environment, RIVM, Utrecht, Netherlands, <sup>4</sup> Mother Infant Research Institute, Boston, MA

## THURSDAY, February 4 • 1:15pm — 4:00pm • Hilton Atlanta - Salon West

Time	Abstract	Oral Concurrent 1 - PREMATURITY
1:15pm	9	<b>Risk of preterm birth by transvaginal ultrasound cervical length in low risk singleton pregnancy</b> <b>Amanda Roman<sup>1</sup></b> , Sindy C. Moreno <sup>1</sup> , Rupsa C. Boelig <sup>1</sup> , Kelly Orzechowski <sup>1</sup> , Vincenzo Berghella <sup>1</sup> <sup>1</sup> Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA
1:30pm	10	<b>Targeted liposomes direct the delivery of indomethacin to the uterus enhancing its tocolytic efficacy to reduce uterine contractions and preterm birth rate</b> <b>Jerrie Refuerzo<sup>1</sup></b> , Francisca Leonard <sup>2</sup> , Alejandra E. Ontiveros <sup>1</sup> , Nataliya Buleyeva <sup>1</sup> , Biana Godin <sup>2</sup> , Monica Longo <sup>1</sup> <sup>1</sup> UT Health- University of Texas Medical School at Houston, Houston, TX, <sup>2</sup> Houston Methodist Research Institute, Houston, TX
1:45pm	11	<b>Aspirin triggered-Resolvin D1 (AT-RvD1) inhibits inflammation-induced preterm birth (IPTB) in a mouse model</b> <b>Pranita A. Nirgudkar<sup>1</sup></b> , Hattan J. Arif <sup>2</sup> , Jason M. Rosenzweig <sup>2</sup> , Ellen L. Mozurkewich <sup>1</sup> , Irina Burd <sup>2</sup> <sup>1</sup> University of New Mexico, Albuquerque, NM, <sup>2</sup> Johns Hopkins University School of Medicine, Baltimore, MD
2:00pm	12	<b>Genetic variation may influence response to 17-alpha hydroxyprogesterone caproate (17P) for recurrent preterm birth (PTB) prevention</b> <b>Tracy A. Manuck<sup>1,2,3,4</sup></b> , Scott Watkins <sup>2</sup> , M. Sean Esplin <sup>2,3,4</sup> , Samuel Parry <sup>4,5</sup> , Heping Zhang <sup>4,6</sup> , Hao Huang <sup>4,6</sup> , Joseph R. Biggio <sup>4,7</sup> , Radek Bukowski <sup>4,6</sup> , George Saade <sup>4,8</sup> , William Andrews <sup>4,7</sup> , Don Baldwin <sup>4,5</sup> , Yoel Sadovsky <sup>4,9</sup> , Uma Reddy <sup>4,10</sup> , John Ilekis <sup>4,10</sup> , Michael W. Varner <sup>2,3,4</sup> , Mark Yandell <sup>2</sup> , Lynn B. Jorde <sup>2</sup> <sup>1</sup> University of North Carolina - Chapel Hill, Chapel Hill, NC, <sup>2</sup> University of Utah, Salt Lake City, UT, <sup>3</sup> Intermountain Healthcare, Salt Lake City, UT, <sup>4</sup> Genomics and Proteomics Network for Preterm Birth Research (GPN), Bethesda, MD, <sup>5</sup> University of Pennsylvania, Philadelphia, PA, <sup>6</sup> Yale University, New Haven, CT, <sup>7</sup> University of Alabama, Birmingham, AL, <sup>8</sup> University of Texas Medical Branch, Galveston, TX, <sup>9</sup> University of Pittsburgh, Pittsburgh, PA, <sup>10</sup> <i>Eunice Kennedy Shriver</i> National Institute of Child Health and Human Development, Bethesda, MD

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**THURSDAY, February 4 • 1:15pm — 4:00pm • Hilton Atlanta - Salon West (continued)**

Time	Abstract	Oral Concurrent 1 - PREMATURITY
2:15pm	13	<b>Is a universal midtrimester transvaginal cervical length assessment program associated with a reduced preterm birth rate?</b> <b>Moeun Son</b> <sup>1</sup> , William A. Grobman <sup>1</sup> , Nina K. Ayala <sup>1</sup> , Emily S. Miller <sup>1</sup> <sup>1</sup> Northwestern University, Feinberg School of Medicine, Chicago, IL
2:30pm	14	<b>A Comparison of Pre- and Post-vaginal Manipulation Fetal Fibronectin</b> <b>Amy L. Turitz</b> <sup>1</sup> , Christina M. Ackerman <sup>1</sup> , Denise L. Johnson <sup>1</sup> , James Duong <sup>1</sup> , Shing Lee <sup>1</sup> , Cynthia Gyamfi-Bannerman <sup>1</sup> <sup>1</sup> Columbia University Medical Center, New York, NY
2:45pm	15	<b>Universal Cervical Length Screening for Preterm Birth Prevention: Implementation and Outcomes</b> <b>Lorene A. Temming</b> <sup>1</sup> , Jennifer K. Durst <sup>1</sup> , Molly J. Stout <sup>1</sup> , Methodius G. Tuuli <sup>1</sup> , George A. Macones <sup>1</sup> , Alison G. Cahill <sup>1</sup> <sup>1</sup> Washington University in St. Louis, Saint Louis, MO
3:00pm	16	<b>Abnormal brain imaging in infants exposed to chorioamnionitis and sepsis</b> <b>Emilie Vander Haar</b> <sup>1</sup> , Cynthia Gyamfi-Bannerman <sup>1</sup> , Tara M. Randis <sup>1</sup> <sup>1</sup> Columbia University Medical Center, New York, NY
3:15pm	17	<b>Clinical validation of a two-protein test for spontaneous preterm birth (sPTB) prediction in a large multicenter prospective study of asymptomatic women</b> <b>George Saade</b> <sup>1</sup> , Kim Boggess <sup>2</sup> , Scott Sullivan <sup>3</sup> , Glenn Markenson <sup>4</sup> , Jay Iams <sup>5</sup> , Dean Coonrod <sup>6</sup> , Leonardo Pereira <sup>7</sup> , M. Sean Esplin <sup>8</sup> , Larry Cousins <sup>9</sup> , Garrett Lam <sup>10</sup> , Matthew K. Hoffman <sup>11</sup> , Angela Fox <sup>12</sup> , Chad Bradford <sup>12</sup> , Tracey Fleischer <sup>12</sup> , Iliia Ichetovkin <sup>12</sup> , Ashoka Polpitiya <sup>12</sup> , Paul Kearney <sup>13</sup> , Jay Boniface <sup>12</sup> , Durlin Hickok <sup>12</sup> <sup>1</sup> University of Texas Medical Branch, Galveston, TX, <sup>2</sup> Department of Obstetrics and Gynecology, Division of Maternal-Fetal Medicine, University of North Carolina, Chapel Hill, NC, <sup>3</sup> Department of Obstetrics and Gynecology, Medical University of South Carolina, Charleston, SC, <sup>4</sup> Maternal Fetal Medicine Baystate Medical Center, Obstetrics and Gynecology Tufts University School of Medicine, Springfield, MA, <sup>5</sup> Department of Obstetrics and Gynecology, The Ohio State University, Columbus, OH, <sup>6</sup> Department of Obstetrics and Gynecology, Maricopa Integrated Health System and University of Arizona College of Medicine, Phoenix, AZ, <sup>7</sup> Division of Maternal-Fetal Medicine, Oregon Health and Science University, Portland, OR, <sup>8</sup> Division of Maternal Fetal Medicine, Intermountain Healthcare and University of Utah Health Sciences Center, Salt Lake City, UT, <sup>9</sup> Maternal Fetal Medicine Division, San Diego Perinatal Center, Childrens Specialists of San Diego, San Diego, CA, <sup>10</sup> Regional Obstetrical Consultants and University of Tennessee College of Medicine, Chattanooga, TN, <sup>11</sup> Department of Obstetrics and Gynecology, Christiana Care Health System, Newark, DE, <sup>12</sup> Sera Prognostics, Inc., Salt Lake City, UT, <sup>13</sup> Integrated Diagnostics, Inc., Seattle, WA
3:30pm	18	<b>Racial and ethnic disparities in use of 17-hydroxyprogesterone caproate for prevention of preterm birth</b> <b>Lynn M. Yee</b> <sup>1</sup> , Lily Y. Liu <sup>1</sup> , Allie Sakowicz <sup>1</sup> , Janelle R. Bolden <sup>1</sup> , Emily S. Miller <sup>1</sup> <sup>1</sup> Northwestern University Feinberg School of Medicine, Chicago, IL
3:45pm	19	<b>Circulating microparticles as an effective means to stratify the risk of spontaneous preterm birth</b> <b>David E. Cantonwine</b> <sup>1</sup> , Zhen Zhang <sup>2</sup> , Kevin S. Goudy <sup>3</sup> , Brian D. Brohman <sup>3</sup> , Alan M. Ezrin <sup>3</sup> , Robert C. Doss <sup>3</sup> , Gail S. Page <sup>3</sup> , Qi Jiang <sup>4</sup> , Claudia Escher <sup>5</sup> , Thomas F. McElrath <sup>1</sup> <sup>1</sup> Brigham & Women's Hospital, Boston, MA, <sup>2</sup> John's Hopkins School of Medicine, Baltimore, MD, <sup>3</sup> NX Prenatal, Louisville, KY, <sup>4</sup> David H. Murdock Research Institute, Kannapolis, NC, <sup>5</sup> Biognosys AG, Zurich, Switzerland

**THURSDAY, February 4 • 1:15pm — 4:00pm • Hilton Atlanta - Grand Ballroom West**

Time	Abstract	Oral Concurrent 2 - CLINICAL 1
1:15pm	20	<b>How to Predict Cesarean Delivery in the Nulliparous Patient: Results from the Prospective Multi-center Genesis Study</b> <b>Naomi Burke</b> <sup>1</sup> , Gerry Burke <sup>2</sup> , Fionnuala Breathnach <sup>1</sup> , Fionnuala McAuliffe <sup>3</sup> , John J. Morrison <sup>4</sup> , Michael Turner <sup>5</sup> , Samina Dornan <sup>6</sup> , John Higgins <sup>7</sup> , Amanda Cotter <sup>2</sup> , Michael Geary <sup>8</sup> , Fiona Cody <sup>9</sup> , Peter McParland <sup>10</sup> , Sean Daly <sup>11</sup> , Patrick Dicker <sup>12</sup> , Elizabeth Tully <sup>1</sup> , Fergal D. Malone <sup>1</sup> <sup>1</sup> Obstetrics and Gynecology, Royal College of Surgeons in Ireland, Dublin, Ireland, <sup>2</sup> Obstetrics and Gynecology, Graduate Entry Medical School, University of Limerick, Limerick, Ireland, <sup>3</sup> Obstetrics and Gynecology, UCD School of Medicine and Medical Science, National Maternity Hospital, Dublin, Ireland, <sup>4</sup> Obstetrics and Gynecology, National University of Ireland, Galway, Ireland, <sup>5</sup> Obstetrics and Gynecology, UCD Centre for Human Reproduction Coombe Women and Infants University Hospital, Dublin, Ireland, <sup>6</sup> Obstetrics and Gynecology, Royal Jubilee Maternity Hospital, Belfast, Ireland, <sup>7</sup> Obstetrics and Gynecology, University College Cork, Cork University Maternity Hospital, Cork, Ireland, <sup>8</sup> Obstetrics and Gynecology, St Michael's Hospital, University of Toronto, Toronto, ON, Canada, <sup>9</sup> Obstetrics and Gynecology, Rotunda Hospital, Dublin, Ireland, <sup>10</sup> Obstetrics and Gynecology, National Maternity Hospital, Dublin, Ireland, <sup>11</sup> Obstetrics and Gynecology, Coombe Women and Infants University Hospital, Dublin, Ireland, <sup>12</sup> Epidemiology and Public Health, Royal College of Surgeons in Ireland, Dublin, Ireland
1:30pm	21	<b>Integrase strand transfer inhibitors given to HIV-infected women late in pregnancy decrease HIV viral load more quickly than other antiretroviral therapy (ART)</b> <b>Lisa Rahangdale</b> <sup>1</sup> , Jordan Cates <sup>1</sup> , JoNell Potter <sup>2</sup> , Martina L. Badell <sup>3</sup> , Dominika Seidman <sup>4</sup> , Emily S. Miller <sup>5</sup> , Jenell S. Coleman <sup>6</sup> , Gweneth B. Lazenby <sup>7</sup> , Judy Levison <sup>8</sup> , William R. Short <sup>9</sup> , Sigal Yawetz <sup>10</sup> , Andrea Ciaranello <sup>11</sup> , Elizabeth Livingston <sup>12</sup> , Lunthitha Duthely <sup>2</sup> , Bassam H. Rimawi <sup>13</sup> , Jean R. Anderson <sup>6</sup> , Elizabeth Stringer <sup>1</sup> <sup>1</sup> University of North Carolina, Chapel Hill, NC, <sup>2</sup> University of Miami, Miami, FL, <sup>3</sup> Emory University, Atlanta, GA, <sup>4</sup> University of California San Francisco, San Francisco, CA, <sup>5</sup> Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>6</sup> Johns Hopkins University, Baltimore, MD, <sup>7</sup> Medical University of South Carolina, Charleston, SC, <sup>8</sup> Baylor College of Medicine, Houston, TX, <sup>9</sup> University of Pennsylvania, Philadelphia, PA, <sup>10</sup> Brigham & Women's Hospital, Boston, NC, <sup>11</sup> Massachusetts General Hospital, Boston, MA, <sup>12</sup> Duke University, Durham, NC, <sup>13</sup> Emory University, Atlanta, GA
1:45pm	22	<b>Changes in the patterns and rates of term stillbirth in the USA following the adoption of the 39-week rule: a cause for concern?</b> <b>James Nicholson</b> <sup>1</sup> , Lisa Kellar <sup>2</sup> , Shala Ahmad <sup>1</sup> , Ayesha Abid <sup>1</sup> , Jason Woloski <sup>1</sup> , Nadine Hewamudalige <sup>1</sup> , Serdar Ural <sup>1</sup> , Jerome Yaklic <sup>2</sup> <sup>1</sup> Penn State Hershey Medical Center, Hershey, PA, <sup>2</sup> Boonshoft School of Medicine, Wright State University, Dayton, OH

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**THURSDAY, February 4 • 1:15pm — 4:00pm • Hilton Atlanta - Grand Ballroom West (continued)**

Time	Abstract	Oral Concurrent 2 - CLINICAL 1
2:00pm	23	<b>Antibiotics and Betamethasone Therapy do not Significantly Alter the Placental Microbiome in Chorioamnionitis Affected Pregnancies</b> <b>Amanda Prince</b> <sup>1</sup> , Jun Ma <sup>1</sup> , Paranthaman Kannan <sup>2</sup> , Manuel Alvarez <sup>2</sup> , Tate Glissen <sup>3</sup> , R. Alan Harris <sup>1</sup> , Christine Knox <sup>4</sup> , Alan Jobe <sup>2</sup> , Claire Chougnnet <sup>2</sup> , Suhas Kallapur <sup>2</sup> , Kjersti Aagaard <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX, <sup>2</sup> Cincinnati Children's Hospital Medical Center, Cincinnati, OH, <sup>3</sup> Cincinnati Children's Hospital Medical Center, Cincinnati, TX, <sup>4</sup> Queensland University of Technology, Brisbane, QLD, Australia
2:15pm	24	<b>Twin Birth Study: 2-Year Follow-up of the Randomized Trial Comparing Planned Cesarean vs Planned Vaginal Delivery for Twin Pregnancy</b> <b>Elizabeth Asztalos</b> <sup>1</sup> , Mary Hannah <sup>1</sup> , Eileen Hutton <sup>2</sup> , Andrew Willan <sup>1</sup> , Alexander Allen <sup>3</sup> , Anthony Armson <sup>3</sup> , Amiram Gafni <sup>2</sup> , K. S. Joseph <sup>4</sup> , Arne Ohlsson <sup>1</sup> , Susan Ross <sup>5</sup> , Jon Barrett <sup>1</sup> <sup>1</sup> University of Toronto, Toronto, ON, Canada, <sup>2</sup> McMaster University, Hamilton, ON, Canada, <sup>3</sup> Dalhousie University, Halifax, NS, Canada, <sup>4</sup> University of British Columbia, Vancouver, BC, Canada, <sup>5</sup> University of Alberta, Edmonton, AB, Canada
2:30pm	25	<b>Optimal evaluation for stillbirth: Stillbirth Collaborative Research Network</b> <b>Jessica M. Page</b> <sup>1</sup> , for the SCRN of the <i>Eunice Kennedy Shriver</i> NICHD <sup>2</sup> <sup>1</sup> University of Utah, Salt Lake City, UT, <sup>2</sup> NICHD, Bethesda, MD
2:45pm	26	<b>Quantifying Maternal Morbidity Associated with Placenta Previa</b> <b>Karen J. Gibbins</b> <sup>1</sup> , Michael W. Varner <sup>1</sup> , Robert M. Silver <sup>1</sup> <sup>1</sup> University of Utah Health Sciences and Intermountain Healthcare, Salt Lake City, UT
3:00pm	27	<b>Evaluation of Failed Induction of Labor</b> <b>Tetsuya Kawakita</b> <sup>1</sup> , Sara N. Iqbal <sup>1</sup> , Uma M. Reddy <sup>1</sup> , Helain J. Landy <sup>2</sup> , Chun-Chih Huang <sup>3</sup> , Matthew Hoffman <sup>4</sup> , Anthony C. Sciscione <sup>4</sup> , Katherine L. Grantz <sup>1</sup> <sup>1</sup> MedStar Washington Hospital Center, Washington, DC, <sup>2</sup> MedStar Georgetown University Hospital, Washington, DC, <sup>3</sup> MedStar Health Research Institute, Hyattsville, MD, <sup>4</sup> Christiana Care Health System, Newark, DE
3:15pm	28	<b>Variation in Primary Cesarean Delivery Rates by Individual Physicians within a Single Hospital Laborist Model</b> <b>Torri Metz</b> <sup>1</sup> , Amanda A. Allshouse <sup>2</sup> , Sara Babcock <sup>3</sup> , Reina Doyle <sup>1</sup> , Angie Tong <sup>1</sup> , J. Christopher Carey <sup>1</sup> <sup>1</sup> Denver Health Medical Center, Denver, CO, <sup>2</sup> Colorado School of Public Health, Aurora, CO, <sup>3</sup> University of Colorado School of Medicine, Aurora, CO
3:30pm	29	<b>Predicting Acidemia with Intrapartum electronic fetal monitoring (EFM)</b> <b>Alison G. Cahill</b> <sup>1</sup> , Methodius G. Tuuli <sup>1</sup> , Molly J. Stout <sup>1</sup> , Elena Deych <sup>1</sup> , William Shannon <sup>1</sup> , George A. Macones <sup>1</sup> <sup>1</sup> Washington University in St. Louis, Saint Louis, MO
3:45pm	30	<b>Enlargement of fetal zone of the fetal adrenal gland predicts the success of labor induction</b> <b>Garrett Fitzgerald</b> <sup>1</sup> , Joshua Rosenbloom <sup>1</sup> , Dana Block-Abraham <sup>1</sup> , Sarah Crimmins <sup>1</sup> , Jerome Kopelman <sup>1</sup> , Harman Christopher <sup>1</sup> , Ozhan Turan <sup>1</sup> <sup>1</sup> University of Maryland Medical Center, Baltimore, MD

**THURSDAY, February 4 • 1:15pm — 4:00pm • Hilton Atlanta - Grand Ballroom East**

Time	Abstract	Oral Concurrent 3 - -HTN MED DX
1:15pm	31	<b>Maternal treatment with sildenafil in a non-severe hypertensive murine model lowers maternal blood pressure without reducing fetal growth</b> <b>Robyn P. Roberts</b> <sup>1</sup> , Jerrie S. Refuerzo <sup>1</sup> , Francesca Ferrari <sup>1</sup> , Catherine C. Moody <sup>1</sup> , Esther Tamayo <sup>1</sup> , Baha M. Sibai <sup>1</sup> , Sean C. Blackwell <sup>1</sup> , Monica Longo <sup>1</sup> <sup>1</sup> UT Health-University of Texas Medical School at Houston, Houston, TX
1:30pm	32	<b>High-flavanol chocolate to improve placental function and to decrease the risk of preeclampsia: a double blind randomized clinical trial</b> <b>Emmanuel Bujold</b> <sup>1</sup> , Asma Babar <sup>1</sup> , Elise Lavoie <sup>1</sup> , Mario Girard <sup>2</sup> , Vicky Leblanc <sup>1</sup> , Simone Lemieux <sup>1</sup> , Lionel-Ange Pougui <sup>1</sup> , Isabelle Marc <sup>1</sup> , Belkacem Abdous <sup>1</sup> , Sylvie Dodin <sup>1</sup> <sup>1</sup> Université Laval, Québec City, QC, Canada, <sup>2</sup> Centre de recherche du CHU de Québec, Québec City, QC, Canada
1:45pm	33	<b>Short and long sleep durations in pregnancy are associated with extremes of gestational weight gain</b> <b>Francesca Facco</b> <sup>1,2</sup> , Kathryn Reid <sup>1,3</sup> , William Grobman <sup>1,3</sup> , Corette Parker <sup>1,4</sup> , Shannon Hunter <sup>1,4</sup> , Matthew Koch <sup>1,4</sup> , Phyllis Zee <sup>1,3</sup> <sup>1</sup> for the <i>Eunice Kennedy Shriver</i> NICHD NuMoM2b Network, Bethesda, MD, <sup>2</sup> Magee-Womens Research Institute, University of Pittsburgh, Pittsburgh, PA, <sup>3</sup> Northwestern University, Chicago, IL, <sup>4</sup> RTI International, Triangle Park, NC
2:00pm	34	<b>Point-of-care congo red dot (CRD) test for antenatal triage and rapid identification of preeclampsia (PE)</b> <b>Kara Road</b> <sup>1</sup> , Catalin S. Buhimschi <sup>1</sup> , Theresa Dible <sup>1</sup> , Shaylyn Webster <sup>1</sup> , Guomao Zhao <sup>2</sup> , Philip Samuels <sup>1</sup> , Irina A. Buhimschi <sup>2</sup> <sup>1</sup> The Ohio State University, College of Medicine, Columbus, OH, <sup>2</sup> Nationwide Children's Hospital, Center for Perinatal Research, Columbus, OH
2:15pm	35	<b>A history of preeclampsia predicts coronary artery calcification three decades later</b> <b>Wendy M. White</b> <sup>1</sup> , Michelle M. Mielke <sup>1</sup> , Brian D. Lahr <sup>1</sup> , Virginia D. Miller <sup>1</sup> , Muthuvel Jayachandran <sup>1</sup> , Walter A. Rocca <sup>1</sup> , Kent R. Bailey <sup>1</sup> , Vesna D. Garovic <sup>1</sup> <sup>1</sup> Mayo Clinic College of Medicine, Rochester, MN

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**THURSDAY, February 4 • 1:15pm — 4:00pm • Hilton Atlanta - Grand Ballroom East (continued)**

Time	Abstract	Oral Concurrent 3 - -HTN MED DX
2:30pm	36	<b>Placenta Growth Factor (PLGF) predicts time to delivery in women with signs or symptoms of early preterm preeclampsia</b> <b>Douglas A. Woelkers</b> <sup>1</sup> , Peter von Dadelszen <sup>2</sup> , Baha Sibai <sup>3</sup> , for the PETRA Trial Investigators (Preeclampsia Triage by Rapid Assay) <sup>1</sup> University of California, San Diego, CA, <sup>2</sup> St. Georges Hospital, London, United Kingdom, <sup>3</sup> University of Texas, Houston, TX
2:45pm	37	<b>The neuroprotective effect of pravastatin in pregnant mice model of preeclampsia</b> <b>Geum Joon Cho</b> <sup>1</sup> , Ki-Hoon Ahn <sup>1</sup> , Hye-Mi Jin <sup>1</sup> , Suhng Wook Kim <sup>2</sup> , Suk Hyo Suh <sup>3</sup> , Soon-Cheol Hong <sup>1</sup> , Min-Jeong Oh <sup>1</sup> , Hai-Joong Kim <sup>1</sup> <sup>1</sup> Department of Obstetrics and Gynecology, Korea University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Biomedical Science, College of Health Sciences, Korea University, Seoul, Korea, Republic of, <sup>3</sup> Department of Physiology Medical School, Ewha Womans University, Seoul, Korea, Republic of
3:00pm	38	<b>Thrombocytopenia: Personalized postpartum VTE risk assessment in a high-throughput environment</b> <b>Sharon M. Cooley</b> <sup>1</sup> , Jennifer C. Donnelly <sup>1</sup> , Mary Deering <sup>1</sup> , Ajita Raman <sup>1</sup> , Mary O'Reilly <sup>1</sup> , Geraldine Gannon <sup>1</sup> , Alan Holland <sup>1</sup> , Fergal O'Shaughnessy <sup>2</sup> , Mary Brady <sup>1</sup> , Niamh Hayes <sup>1</sup> , Fionnuala Ni Ainle <sup>1, 3, 4</sup> , Brian Cleary <sup>1, 5</sup> <sup>1</sup> Rotunda Hospital, Dublin, Ireland, <sup>2</sup> Department of Pharmacy, St Vincent's University Hospital, Dublin, Ireland, <sup>3</sup> School of Medicine and Medical Sciences, University College Dublin, Ireland, Dublin, Ireland, <sup>4</sup> Department of Haematology, Mater Misericordiae University Hospital, Eccles St. Dublin 7, Dublin, Ireland, <sup>5</sup> School of Pharmacy, Royal College of Surgeons in Ireland, 123 St Stephen's Green, Dublin 2, Dublin, Ireland
3:15pm	39	<b>Cardiovascular Disease in Relation to Placental Abruptio: A Population-Based Prospective Cohort Study from Denmark</b> <b>Cande V. Ananth</b> <sup>1</sup> , Anne Vinkel Hansen <sup>2</sup> , Michelle Williams <sup>3</sup> , Anne-Marie Nybo Andersen <sup>2</sup> <sup>1</sup> Columbia University Medical Center, New York, NY, <sup>2</sup> University of Copenhagen, Copenhagen, Denmark, <sup>3</sup> Harvard University School of Public Health, Boston, MA
3:30pm	40	<b>Oral labetalol compared to oral extended release nifedipine for persistent postpartum hypertension: a randomized controlled trial</b> <b>Kathryn J. Sharma</b> <sup>1</sup> , Naomi Greene <sup>1</sup> , Sarah J. Kilpatrick <sup>1</sup> <sup>1</sup> Cedars Sinai Medical Center, Los Angeles, CA
3:45pm	41	<b>Severe maternal morbidity is associated with high rate of preterm delivery</b> <b>Sarah Kilpatrick</b> <sup>1</sup> , Anisha Abreo <sup>2</sup> , Katarina Lanner-Cusin <sup>3</sup> , Elliot Main <sup>2</sup> <sup>1</sup> Cedars-Sinai Medical Center, Los Angeles, CA, <sup>2</sup> California Maternal Quality Care Collaborative Stanford University, Palo Alto, CA, <sup>3</sup> Alta Bates Summit Medical Center, Oakland, CA

**FRIDAY, February 5 • 8:00am — 10:00am • Hilton Atlanta - Grand Ballroom**

Time	Abstract	Oral Plenary II (Fellows)
8:00am	42	<b>Randomized Controlled Trial of Prolonged Second Stage: Extending the Time Limit vs Usual Guidelines</b> <b>Alexis C. Gimovsky</b> <sup>1</sup> , Vincenzo Berghella <sup>1</sup> <sup>1</sup> Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA
8:15am	43	<b>TITLE: A Randomized Trial of Foley Bulb Induction of Labor Trial in Nulliparas (FIAT)</b> <b>Katherine A. Connolly</b> <sup>1</sup> , Katherine S. Kohari <sup>2</sup> , Patricia Rekawek <sup>1</sup> , Brooke Smilen <sup>1</sup> , Meredith R. Miller <sup>1</sup> , Erin Moshier <sup>1</sup> , Joanne L. Stone <sup>1</sup> , Angela T. Bianco <sup>1</sup> <sup>1</sup> Mount Sinai Hospital, New York, NY, <sup>2</sup> Yale School of Medicine, New Haven, CT
8:30am	44	<b>The Impact of Operating Room Temperature on Neonatal Hypothermia and Morbidity: Results from a Randomized Trial</b> <b>Elaine L. Duryea</b> <sup>1</sup> , David B. Nelson <sup>1</sup> , Myra H. Wyckoff <sup>1</sup> , Erica N. Grant <sup>1</sup> , Weike Tao <sup>1</sup> , Neeti Sadana <sup>1</sup> , Lina F. Chalak <sup>1</sup> , Donald D. McIntire <sup>1</sup> , Kenneth J. Leveno <sup>1</sup> <sup>1</sup> University of Texas Southwestern Medical Center, Dallas, TX
8:45am	45	<b>Long-term mortality risk following hypertensive disease of pregnancy (HDP)</b> <b>Lauren Theilen</b> <sup>1, 2</sup> , Alison Fraser <sup>2</sup> , Michael Hollingshaus <sup>1</sup> , Karen Schliep <sup>1</sup> , Michael Varner <sup>1, 2</sup> , Ken Smith <sup>3</sup> , Sean Esplin <sup>1, 2</sup> <sup>1</sup> University of Utah Health Sciences Center, Salt Lake City, UT, <sup>2</sup> Intermountain Healthcare, Salt Lake City, UT, <sup>3</sup> Huntsman Cancer Institute, Salt Lake City, UT, <sup>4</sup> University of Utah, Salt Lake City, UT
9:00am	46	<b>Uterocervical angle: a novel ultrasound marker to predict spontaneous preterm birth</b> <b>Margaret Dziadosz</b> <sup>1</sup> , Terri-Ann M. Bennett <sup>1</sup> , Cara Dolin <sup>1</sup> , Anne West Honart <sup>1</sup> , Sarah Lee <sup>1</sup> , Sarah Pivo <sup>1</sup> , Ashley S. Roman <sup>1</sup> <sup>1</sup> New York University Langone Medical Center, New York, NY
9:15am	47	<b>Cryopreserved Human Umbilical Cord (HUC) vs. Biocellulose Film (BCF) for Antenatal Spina Bifida Repair</b> <b>Saul Snowise</b> <sup>1</sup> , Lovepreet Mann <sup>1</sup> , Mi-Ae Lyu <sup>1</sup> , Yisel Morales <sup>1</sup> , Kenneth J. Moise Jr. <sup>1</sup> , Stephen Fletcher <sup>1</sup> , Ray Grill <sup>2</sup> , Schaeffer CG Tseng <sup>3</sup> , Anthony Johnson <sup>1</sup> , Ramesha Papanna <sup>1</sup> <sup>1</sup> The Fetal Center, Children's Memorial Hermann Hospital Dept. OB/GYN UT Health- University of Texas Medical School at Houston, Houston, TX, <sup>2</sup> Department of Neurobiology and Anatomical Sciences, University of Mississippi Medical Center, Jackson, MS, <sup>3</sup> Ocular Surface Center, Miami, FL
9:30am	48	<b>Long term effect of lactation on maternal cardiovascular function and adiposity</b> <b>Sandra Rocio Herrera</b> <sup>1</sup> , Kathleen L. Vincent <sup>1</sup> , Igor Patrikeev <sup>1</sup> , Jamal Saada <sup>1</sup> , Phyllis Gamble <sup>1</sup> , Massoud Motamedi <sup>1</sup> , George R. Saade <sup>1</sup> , Alison Stuebe <sup>2</sup> , Egle Bytautiene <sup>1</sup> <sup>1</sup> University of Texas Medical Branch, Galveston, TX, <sup>2</sup> University of North Carolina, Chapel Hill, NC
9:45am	49	<b>Maternal Fructose Consumption Disrupts Brain Development of Offspring in a Murine Model of Autism Spectrum Disorder</b> <b>Antonio Saad</b> <sup>1</sup> , Wael Alshehri <sup>2</sup> , Talar Kechichian <sup>1</sup> , Phyllis Gamble <sup>1</sup> , George Saade <sup>1</sup> , Maged Costantine <sup>1</sup> , Irina Burd <sup>2</sup> <sup>1</sup> UTMB Galveston, Galveston, TX, <sup>2</sup> Integrated Research Center for Fetal Medicine, Johns Hopkins University School of Medicine., Baltimore, MD

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## FRIDAY, February 5 • 1:15pm — 4:00pm • Hilton Atlanta - Salon West

Time	Abstract	Oral Concurrent 4 - fetal TX
1:15pm	50	<b>Maternal reproductive outcomes after in-utero repair of myelomeningocele</b> <b>Elizabeth A. Thom</b> <sup>1</sup> <sup>1</sup> for the Eunice Kennedy Shriver NICHD MOMS Trial Study Group, Bethesda, MD
1:30pm	51	<b>The exteriorized, CO2-filled human uterus: A new surgical space for fetal surgery?</b> <b>Michael Belfort</b> <sup>1,2</sup> , William E. Whitehead <sup>1,2</sup> , Alireza A. Shamshirsaz <sup>1,2</sup> , Sundeep G. Keswani <sup>1,2</sup> , Rodrigo Ruano <sup>1,2</sup> , Jimmy Espinoza <sup>1,2</sup> , Olutoyin A. Olutoye <sup>1,2</sup> , David Mann <sup>1,2</sup> , Erin Williams <sup>1,2</sup> , Darrell L. Cass <sup>1,2</sup> , Tim Lee <sup>1,2</sup> , Oluyinka O. Olutoye <sup>1,2</sup> , Elena Carreras <sup>3</sup> , Steve Welty <sup>1,2</sup> , Nancy Ayres <sup>1,2</sup> , Zhoobin H. Bateni <sup>1</sup> , Christopher Cassady <sup>1,2</sup> , Amy Mehollin-Ray <sup>1,2</sup> , Tom Cunningham <sup>2</sup> , Jose Luis Peiro <sup>3</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX, <sup>2</sup> Texas Children's Fetal Center, Houston, TX, <sup>3</sup> Vall d'Hebron Hospital, Barcelona, Spain
1:45pm	52	<b>Neurological outcomes after cryopreserved human umbilical cord (HUC) patch for in-utero spina bifida repair in a sheep model</b> <b>Ramesha Papanna</b> <sup>1</sup> , Lovepreet K. Mann <sup>1</sup> , Saul Snowise <sup>1</sup> , Roopali Donepudi <sup>1</sup> , Yisel Morales <sup>1</sup> , Julia L. Goldman <sup>2</sup> , Scheffer C.G. Tseng <sup>3</sup> , Stephen Fletcher <sup>1</sup> , Kenneth J. Moise Jr. <sup>1</sup> <sup>1</sup> The Fetal Center, Children's Memorial Hermann Hospital Dept. OB/GYN UT Health- University of Texas Medical School at Houston, Houston, TX 77030, TX, <sup>2</sup> The Center for Laboratory Animal Medicine and Care, UT Health- University of Texas Medical School at Houston, Houston, TX 77030, TX, <sup>3</sup> Ocular Surface Center, P.A., Miami, FL 33173, FL
2:00pm	53	<b>Recurrent Twin-Twin Transfusion Syndrome (rTTTS) and Twin Anemia Polycythemia Sequence (TAPS) after fetoscopic laser surgery (FLS)</b> <b>Roopali Donepudi</b> <sup>1</sup> , Joost Akkermans <sup>2</sup> , Lovepreet Mann <sup>1</sup> , Frans J. Klumper <sup>2</sup> , Johanna M. Middeldorp <sup>2</sup> , Enrico Lopprore <sup>2</sup> , Kenneth J. Moise <sup>1</sup> , Michael W. Bebbington <sup>1</sup> , Anthony Johnson <sup>1</sup> , Saul Snowise <sup>1</sup> , Yisel Morales <sup>1</sup> , Dick Oepkes <sup>2</sup> , Ramesha Papanna <sup>1</sup> <sup>1</sup> The Fetal Center, Children's Memorial Hermann Hospital, Dept. OB/GYN, UT Health- University of Texas Medical School at Houston, Houston, TX, <sup>2</sup> Department of Obstetrics, division of Fetal Therapy, Leiden University Medical Center, Leiden, Netherlands
2:15pm	54	<b>Amniopatch treatment of iatrogenic preterm premature rupture of membranes (iPPROM) after operative fetoscopy</b> <b>Ramen H. Chmait</b> <sup>1</sup> , Eftichia V. Kontopoulos <sup>2</sup> , Andrew H. Chon <sup>1</sup> , Lisa M. Korst <sup>3</sup> , Arlyn Llanes <sup>1</sup> , Ruben A. Quintero <sup>4</sup> <sup>1</sup> Keck School of Medicine, University of Southern California, Department of Obstetrics & Gynecology, Division of Maternal-Fetal Medicine, Los Angeles, CA, <sup>2</sup> Jackson Fetal Therapy Institute, Jackson Memorial Hospital, Miami, FL, <sup>3</sup> Childbirth Research Associates, North Hollywood, CA, <sup>4</sup> Sidra Medical and Research Center, Department of Obstetrics and Gynecology, Division of Fetal Therapy, Doha, Qatar
2:30pm	55	<b>North American Fetal Therapy Network: Intervention versus expectant management for stage I twin-twin transfusion syndrome</b> <b>Stephen P. Emery</b> <sup>1</sup> , Steven K. Hasley <sup>1</sup> , Janet M. Catov <sup>1</sup> , Russell S. Miller <sup>2</sup> , Anita J. Moon-Grady <sup>3</sup> <sup>1</sup> Department of OBGYN and Reproductive Sciences, Magee-Womens Research Institute, University of Pittsburgh, Pittsburgh, PA, <sup>2</sup> Department of Obstetrics and Gynecology, Columbia University Medical Center, New York, NY, <sup>3</sup> Department of Pediatrics, Division of Cardiology, University of California San Francisco, San Francisco, CA
2:45pm	56	<b>Utilization and safety of contrast-enhanced ultrasound in pregnancy</b> <b>Victoria Roberts</b> <sup>1</sup> , Jennifer A. Salati <sup>1</sup> , Jamie O. Lo <sup>1</sup> , Katherine Lewandowski <sup>1</sup> , Jonathan R. Lindner <sup>1</sup> , Terry K. Morgan <sup>1</sup> , Antonio E. Frias <sup>1</sup> <sup>1</sup> Oregon Health & Science University, Portland, OR
3:00pm	57	<b>Histological evidence of reparative activity of chorioamniotic membrane after open fetal surgery for myelomeningocele</b> <b>Natalia Silva Carvalho</b> <sup>1</sup> , Antonio Fernandes Moron <sup>1, 2</sup> , Sérgio Cavalheiro <sup>1, 2</sup> , Marcelo M. Barbosa <sup>2</sup> , Herbene J. Milani <sup>1, 2</sup> , Marcia Marcelino Ishigai <sup>1</sup> <sup>1</sup> Federal University of São Paulo, São Paulo, Brazil, <sup>2</sup> Hospital Santa Joana, São Paulo, Brazil
3:15pm	58	<b>Fetal membrane changes in preterm birth after in-utero myelomeningocele (MMC) repair</b> <b>Catherine C. Moody</b> <sup>1</sup> , Lovepreet K. Mann <sup>2</sup> , Mi-Ae Lyu <sup>2</sup> , Kenneth J. Moise Jr. <sup>2</sup> , Anthony Johnson <sup>2</sup> , Michael W. Bebbington <sup>2</sup> , Kuojen Tsao <sup>2</sup> , Stephen Fletcher <sup>2</sup> , Ramesha Papanna <sup>2</sup> <sup>1</sup> University of Texas at Houston Medical School, Houston, TX, <sup>2</sup> The Fetal Center, Children's Memorial Hermann Hospital Dept. OB/GYN UT Health- University of Texas Medical School at Houston, Houston, TX 77030, TX
3:30pm	59	<b>Fetal endoscopic tracheal occlusion for severe isolated left-sided congenital diaphragmatic hernia: a USA tertiary care center experience</b> <b>Michael Belfort</b> <sup>1,2</sup> , Oluyinka O. Olutoye <sup>1,2</sup> , Darrell L. Cass <sup>1,2</sup> , Olutoyin A. Olutoye <sup>1,2</sup> , Alireza A. Shamshirsaz <sup>1,2</sup> , Timothy C. Lee <sup>1,2</sup> , Amirhossein Moaddab <sup>1</sup> , David G. Mann <sup>1,2</sup> , Jimmy Espinoza <sup>1,2</sup> , Stephen E. Welty <sup>1,2</sup> , Stephanie M. Cruz <sup>1,2</sup> , Rodrigo Ruano <sup>1,2</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX, <sup>2</sup> Texas Children's Fetal Center, Houston, TX
3:45pm	60	<b>Preterm Delivery (PTD) after fetoscopic laser surgery (FLS) for twin twin transfusion syndrome (TTTS): etiology and risk factors</b> <b>Amol K. Malshe</b> <sup>1</sup> , Noemi Boring <sup>2</sup> , Saul Snowise <sup>2</sup> , Lovepreet K. Mann <sup>2</sup> , Anthony Johnson <sup>2</sup> , Michael W. Bebbington <sup>2</sup> , Kenneth J. Moise Jr. <sup>2</sup> , Ramesha Papanna <sup>2</sup> <sup>1</sup> Dept. OB/GYN, UT Health- University of Texas Medical School at Houston, Houston, TX, <sup>2</sup> The Fetal Center, Children's Memorial Hermann Hospital, Dept. OB/GYN UT Health- University of Texas Medical School at Houston, Houston, TX

## FRIDAY, February 5 • 1:15pm — 4:00pm • Hilton Atlanta - Grand Ballroom East

Time	Abstract	Oral Concurrent 5 - DM AND METABOLISM
1:15pm	61	<b>Probiotics Alter the Intestinal Microbiome but do not Prevent High Fat Diet Dysbiosis in Primates</b> <b>Amanda Prince</b> <sup>1</sup> , Jun Ma <sup>1</sup> , Karalee Baquero <sup>2</sup> , Peter Blundell <sup>2</sup> , Diana Takahashi <sup>3</sup> , Kevin Grove <sup>2</sup> , Kjersti Aagaard <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX, <sup>2</sup> Oregon National Primate Research Center, Beaverton, OR, <sup>3</sup> Oregon National Primate Research Center, Beaverton, OH

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## FRIDAY, February 5 • 1:15pm — 4:00pm • Hilton Atlanta - Grand Ballroom East (continued)

Time	Abstract	Oral Concurrent 5 - DM AND METABOLISM
1:30pm	62	<b>Effect of programmed maternal hypertension and metabolic-like syndrome during pregnancy in offspring neuro-development</b> <b>Fangxian Lu</b> <sup>1</sup> , Alejandra E. Ontiveros <sup>1</sup> , Hind N. Moussa <sup>1</sup> , Mia M. Saade <sup>1</sup> , Sean C. Blackwell <sup>1</sup> , Pramod Dash <sup>1</sup> , Monica Longo <sup>1</sup> <sup>1</sup> UT Health - University of Texas Medical School at Houston, Houston, TX
1:45pm	63	<b>Adverse pregnancy outcomes and child cardiometabolic health</b> <b>Madeline Murguia Rice</b> <sup>1</sup> <sup>1</sup> for the Eunice Kennedy Shriver NICHD MFMU Network, Bethesda, MD
2:00pm	64	<b>Novel lean type 2 diabetic rat model using gestational low protein programming</b> <b>Chellakkan Selvanesan Blesson</b> <sup>1</sup> , Amy Schutt <sup>1</sup> , Meena Balakrishnan <sup>1</sup> , Robia Pautler <sup>2</sup> , Steen Pedersen <sup>2</sup> , Poonam Sarkar <sup>2</sup> , Daniel Gonzales <sup>2</sup> , Gang Zhu <sup>3</sup> , Juan Marini <sup>4</sup> , Shaji Chacko <sup>4</sup> , Uma Yallampalli <sup>1</sup> , Chandra Yallampalli <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX, <sup>2</sup> Texas Children's Hospital, Houston, TX, <sup>3</sup> Braker Corporation, Houston, TX, <sup>4</sup> Children's Nutritional Research Center, Houston, TX
2:15pm	65	<b>A randomized clinical trial of an intensive behavior education program designed to improve glucose levels on the 2 hour oral glucose tolerance test in the postpartum period</b> <b>Celeste P. Durnwald</b> <sup>1</sup> , Michael Kallen <sup>2</sup> , Kelly C. Allison <sup>2</sup> , Susan Wisch <sup>1</sup> , Michal Elovitz <sup>1</sup> , Samuel Parry <sup>1</sup> <sup>1</sup> Maternal and Child Health Research Program, Dept OB/GYN, University of Pennsylvania, Philadelphia, PA, <sup>2</sup> University of Pennsylvania, Philadelphia, PA
2:30pm	66	<b>Maternal Diet Alters the Breast Milk Microbiome and Microbial Gene Content</b> <b>Kristen M. Meyer</b> <sup>1</sup> , Mahmoud Mohammad <sup>1</sup> , Jun Ma <sup>1</sup> , Derrick Chu <sup>1</sup> , Morey Haymond <sup>1</sup> , Kjersti Aagaard <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX
2:45pm	67	<b>High Fructose Diet in Pregnancy Leads to Fetal Programming of Hypertension, Insulin Resistance and Obesity in Adult Offspring</b> <b>Antonio Saad</b> <sup>1</sup> , Joshua Disckerson <sup>1</sup> , Phyllis Gamble <sup>1</sup> , Huaizhi Yin <sup>1</sup> , Talar Kechichian <sup>1</sup> , Ashley Salazar <sup>1</sup> , Igor Patrikeev <sup>2</sup> , Massoud Motamedi <sup>2</sup> , George Saade <sup>1</sup> , Maged Costantine <sup>1</sup> <sup>1</sup> UTMB Galveston, Galveston, TX, <sup>2</sup> UTMB Center of Biomedical Engineering, Galveston, TX
3:00pm	68	<b>Prenatal Exposure to Gestational Diabetes Mellitus as an Independent Risk Factor for Long- term Neurologic Morbidity of the Offspring</b> <b>Kira D. Nahum Sacks</b> <sup>1</sup> , Michael Friger <sup>1</sup> , Efrat Spiegel <sup>2</sup> , Hanaa Abokaf <sup>2</sup> , Ruslan Sergienko <sup>1</sup> , Daniella Landau <sup>2</sup> , Eyal Sheiner <sup>2</sup> <sup>1</sup> Ben Gurion University of the Negev, Beer Sheva, Israel, <sup>2</sup> Soroka University Medical Center, Ben-Gurion University of the Negev, Beer Sheva, Israel
3:15pm	69	<b>Maternal inositol supplementation improves metabolic profile and blood pressure in pregnancies complicated by Metabolic Syndrome</b> <b>Francesca Ferrari</b> <sup>1</sup> , Fabio Facchinetti <sup>2</sup> , Robyn P. Roberts <sup>1</sup> , Yongsheng Lan <sup>1</sup> , Mia M. Saade <sup>1</sup> , Sean C. Blackwell <sup>1</sup> , Jerrie S. Refuerzo <sup>1</sup> , Monica Longo <sup>1</sup> <sup>1</sup> UT Health - University of Texas Medical School at Houston, Houston, TX, <sup>2</sup> Obstetrics & Gynecology, University of Modena and Reggio Emilia, Modena, Italy
3:30pm	70	<b>A High Fat Maternal Diet Contributes to Microbiome-Driven Regulation of the Offspring Gut-Brain Axis &amp; Behavior in Primates</b> <b>Kjersti Aagaard</b> <sup>1</sup> , Amanda Prince <sup>1</sup> , Giulia Oliva <sup>2</sup> , Jun Ma <sup>1</sup> , Julian S.B. Ramirez <sup>3</sup> , Tyler Dean <sup>4</sup> , Karalee Baquero <sup>4</sup> , Diana Takahashi <sup>4</sup> , Damien A. Fair <sup>3</sup> , Kevin Grove <sup>4</sup> , Elinor L. Sullivan <sup>2,4</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX, <sup>2</sup> University of Portland, Portland, OR, <sup>3</sup> Oregon Health and Science University, Portland, OR, <sup>4</sup> Oregon National Primate Research Center, Beaverton, OR
3:45pm	71	<b>Induction of labor before 40 weeks is associated with lower rate of Cesarean section in women with gestational diabetes mellitus</b> <b>Nir Melamed</b> <sup>1</sup> , Joel G. Ray <sup>2</sup> , Jon Barrett <sup>1</sup> , Michael Geary <sup>2</sup> , Daniel Bedard <sup>2</sup> , Ann Sprague <sup>3</sup> , Cathy Yang <sup>3</sup> , Howard Berger <sup>2</sup> <sup>1</sup> Sunnybrook Health Sciences Center, Toronto, ON, Canada, <sup>2</sup> St. Michael's Hospital, Toronto, ON, Canada, <sup>3</sup> Better Outcomes Registry & Network (BORN) Ontario, Children's Hospital of Eastern Ontario (CHEO), Ottawa, ON, Canada

## FRIDAY, February 5 • 1:15pm — 4:00pm • Hilton Atlanta - Grand Ballroom West

Time	Abstract	Oral Concurrent 6 - BASIC SCI
1:15pm	72	<b>A Genome Wide Association Study (GWAS) from a Global Cohort Identifies Common Variants in FSHB and SMAD3 Driving Spontaneous Human Dizygotic Twinning</b> <b>Kjersti Aagaard</b> <sup>1</sup> , Hamdi Mbarek <sup>2</sup> , Stacy Steinberg <sup>3</sup> , Dale Nyholt <sup>4</sup> , Scott Gordon <sup>4</sup> , Michael Miller <sup>5</sup> , Allan McRae <sup>6</sup> , Jouke Jan Hottenga <sup>2</sup> , Felix Day <sup>7</sup> , David Hinds <sup>8</sup> , Gonneke Willemsen <sup>2</sup> , Eco deGeus <sup>2</sup> , Gareth Davies <sup>9</sup> , Hilary Martin <sup>10</sup> , Cornelis Lambalk <sup>11</sup> , Brenda Penninx <sup>11</sup> , Rick Jansen <sup>11</sup> , Kerrie McAloney <sup>4</sup> , Jacqueline Vink <sup>2</sup> , Jaakko Kaprio <sup>12</sup> , Robert Plomin <sup>13</sup> , Tim Spector <sup>13</sup> , Patrik Magnusson <sup>14</sup> , Dorret Boomsma <sup>2</sup> , for the Twinning GWAS Consortium (TGC) <sup>1</sup> Baylor College of Medicine, Houston, TX, <sup>2</sup> VU University Amsterdam, Amsterdam, Netherlands, <sup>3</sup> deCODE Genetics, Reykjavik, Iceland, <sup>4</sup> QIMR Berghofer Medical Research Institute, Brisbane, Australia, <sup>5</sup> University of Minnesota, Minneapolis, MN, <sup>6</sup> University of Queensland, Brisbane, Australia, <sup>7</sup> University of Cambridge School of Clinical Medicine, Cambridge, United Kingdom, <sup>8</sup> 23andMe Inc, Mountain View, CA, <sup>9</sup> Avera Institute for Human Genetics, Sioux Falls, SD, <sup>10</sup> Wellcome Trust Centre for Human Genetics, Oxford, United Kingdom, <sup>11</sup> VU University Medical Center, Amsterdam, Netherlands, <sup>12</sup> University of Helsinki, Helsinki, Finland, <sup>13</sup> King's College London, London, United Kingdom, <sup>14</sup> Karolinska Institutet, Stockholm, Sweden
1:30pm	73	<b>Prenatal maternal stress and <i>Shank3<sup>ex4-9</sup></i> mutation alter hippocampal stratum radiatum white matter (WM) in male mice offspring</b> <b>Jaclyn B. Murry</b> <sup>1</sup> , Rajesh Ramakrishnan <sup>1</sup> , Fang He <sup>1</sup> , Alfred Balasa <sup>1</sup> , Gary Stinnett <sup>1</sup> , Steen Pedersen <sup>1</sup> , Robia Pautler <sup>1</sup> , Ignatia B. Van den Veyver <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX

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**FRIDAY, February 5 • 1:15pm — 4:00pm • Hilton Atlanta - Grand Ballroom West (continued)**

Time	Abstract	Oral Concurrent 6 - BASIC SCI
1:45pm	74	<b>Epigenetic programming by maternal lactation status</b> <b>Adetola Louis-Jacques</b> <sup>1</sup> , Rachel Sinkey <sup>1</sup> , Anders Berglund <sup>2</sup> , Stephanie Romero <sup>1</sup> , Maureen Groer <sup>1</sup> <sup>1</sup> University of South Florida, Tampa, FL, <sup>2</sup> Moffitt Cancer Center, Tampa, FL
2:00pm	75	<b>Whole exome sequencing identifies rare variants implicated in preterm birth</b> <b>Kelli K. Ryckman</b> <sup>1</sup> , Bruce Bedell <sup>1</sup> , Frans Bodker <sup>2</sup> , Jiankan Li <sup>3</sup> , Hankui Liu <sup>3</sup> , Jianguo Zhang <sup>3</sup> , Patrick Breheny <sup>1</sup> , Kaare Christensen <sup>2</sup> , John M. Dagle <sup>1</sup> , Jeffrey C. Murray <sup>1</sup> <sup>1</sup> University of Iowa, Iowa City, IA, <sup>2</sup> University of Southern Denmark, Odense, Denmark, <sup>3</sup> BGI, Shenzhen, China
2:15pm	76	<b>Maternal obesity and ovarian gene expression in offspring</b> <b>Megan Antonetti-Elford</b> <sup>1</sup> , Huaizhi Yin <sup>1</sup> , Phyllis Gamble <sup>1</sup> , Cinthia Roman <sup>1</sup> , George R. Saade <sup>1</sup> , Egle Bytautiene <sup>1</sup> <sup>1</sup> University of Texas Medical Branch at Galveston, Galveston, TX
2:30pm	77	<b>Epigenetic regulation of progesterone receptor isoform-A (PR-A) in the human placenta</b> <b>Kristy Palomares</b> <sup>1</sup> , Bingbing Wang <sup>1</sup> , Nataliya Parobchak <sup>1</sup> , Todd Rosen <sup>1</sup> <sup>1</sup> Robert Wood Johnson Medical School, Rutgers University, New Brunswick, NJ
2:45pm	78	<b>Group B Streptococcus Alters Properties of Vaginal Epithelial Cells in Pregnant Women to Promote its Persistence</b> <b>Jessica Scholl</b> <sup>1</sup> , Dimitrios Nasioudis <sup>1</sup> , Allison Boester <sup>1</sup> , Maureen Speleotes <sup>1</sup> , Amos Grunebaum <sup>1</sup> , Steven S. Witkin <sup>1</sup> <sup>1</sup> Weill Medical College of Cornell University, New York, NY
3:00pm	79	<b>The Offspring Microbiome is Altered by Virtue of a High Fat Maternal Diet During Gestation</b> <b>Amanda Prince</b> <sup>1</sup> , Jun Ma <sup>1</sup> , Karalee Baquero <sup>2</sup> , Peter Blundell <sup>2</sup> , Diana Takahashi <sup>2</sup> , Kevin Grove <sup>2</sup> , Kjersti Aagaard <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX, <sup>2</sup> Oregon National Primate Research Center, Beaverton, OR
3:15pm	80	<b>T-follicular helper (Tfh) cell expansion varies by trimester after influenza vaccination in pregnancy</b> <b>Emily Patel</b> <sup>1</sup> , Chad Grotegut <sup>1</sup> , R. Phillips Heine <sup>1</sup> , Janet Staats <sup>1</sup> , Brian Antczak <sup>1</sup> , Kristin Weaver <sup>1</sup> , Kent Weinhold <sup>1</sup> , Geeta Swamy <sup>1</sup> <sup>1</sup> Duke University, Durham, NC
3:30pm	81	<b>Maternal glucose supplementation alleviates intrauterine inflammation-induced inhibition of autophagy in fetal brain</b> <b>Jun Lei</b> <sup>1</sup> , Jason M. Rosenzweig <sup>1</sup> , Wenyu Zhong <sup>1</sup> , Hongxi Zhao <sup>1</sup> , Hattan Arif <sup>1</sup> , Ghada Al Yousif <sup>1</sup> , Nader Alhejaily <sup>1</sup> , Michael W. McLane <sup>1</sup> , Irina Burd <sup>1</sup> <sup>1</sup> Johns Hopkins University School of Medicine, Baltimore, MD
3:45pm	82	<b>Metabolic phenotyping of a fetal Npas2 liver-specific conditional knock-out (cKO) mouse model</b> <b>Danielle Goodspeed</b> <sup>1</sup> , Derek O'Neil <sup>1</sup> , Cynthia Shope <sup>1</sup> , Kjersti Aagaard <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX

**SATURDAY, February 6 • 8:45am — 11:30am • Hilton Atlanta - Salon East**

Time	Abstract	Oral Concurrent 7 - RCT's
8:45am	83	<b>Early Bandage Removal Post-Cesarean Section</b> <b>David Peleg</b> <sup>1</sup> , Esther Eberstark <sup>1</sup> , Nadav Cohen <sup>1</sup> , Steven L. Warsof <sup>2</sup> , Inbar Ben Shachar <sup>1</sup> <sup>1</sup> Ziv Medical Center, Zefat, Israel, <sup>2</sup> Eastern Virginia Medical School, Norfolk, VA
9:00am	84	<b>Routine versus delayed timing of morning hospital rounds for postpartum women on patient satisfaction: A randomized quality improvement trial</b> <b>Robyn P. Roberts</b> <sup>1</sup> , Sean C. Blackwell <sup>1</sup> , Kelly M. Brown <sup>1</sup> , Baha M. Sibai <sup>1</sup> , Jon E. Tyson <sup>1</sup> <sup>1</sup> UT Health-University of Texas Medical School at Houston, Houston, TX
9:15am	85	<b>The effect of intrapartum type and volume of fluid hydration on labor course of nulliparous women. A randomized controlled trial</b> Raed Salim <sup>1,2</sup> , <b>Gali Garmi</b> <sup>1,2</sup> , Noah Zafran <sup>1,2</sup> , Sivan Zuretz-Easton <sup>1,2</sup> , Iris Ohel <sup>1,2</sup> , Ilanit Berkovic <sup>1,2</sup> <sup>1</sup> Emek Medical Center, Afula, Israel, <sup>2</sup> Rappaport Faculty of Medicine, Technion, Haifa, Israel
9:30am	86	<b>Effect of Intermittent Versus Continuous Bladder Catheterization on Second Stage Duration Among Nulliparous Women with Epidural. A randomized controlled trial</b> Raed Salim <sup>1,2</sup> , <b>Abeer Suleiman</b> <sup>1,2</sup> , Sobhiya Mruwat-Rabah <sup>1,2</sup> , Dorit Dagilayske <sup>1,2</sup> , Tair Zelichover <sup>1,2</sup> , Gali Garmi <sup>1,2</sup> <sup>1</sup> Emek Medical Center, Afula, Israel, <sup>2</sup> Rappaport Faculty of Medicine, Technion, Haifa, Israel
9:45am	87	<b>Randomized trial of behavioral change for cytomegalovirus risk reduction</b> <b>Brenna L. Hughes</b> <sup>1</sup> , Christina Raker <sup>1</sup> , Kim M. Gans <sup>2</sup> , Evelyn Hipolito <sup>3</sup> , Dwight J. Rouse <sup>1</sup> <sup>1</sup> The Warren Alpert Medical School of Brown University, Women & Infants Hospital of Rhode Island, Providence, RI, <sup>2</sup> The Warren Alpert Medical School of Brown University, Providence, RI, <sup>3</sup> Women & Infants Hospital of Rhode Island, Providence, RI
10:00am	88	<b>Nifedipine versus placebo in the treatment of preterm premature rupture of membranes. Assessment of Perinatal Outcome by use of Tocolysis in Early Labour - APOSTEL IV study</b> Martijn Oudijk <sup>1</sup> , <b>Tobias A.J. Nijman</b> <sup>2</sup> , Elvira O.G. van Vliet <sup>2</sup> , Katrien Oude Rengerink <sup>1</sup> , Thomas de Lange <sup>1</sup> , Caroline J. Bax <sup>3</sup> , Kitty W.M. Bloemenkamp <sup>4</sup> , Jim van Eyck <sup>5</sup> , Marjolein Kok <sup>1</sup> , Hubertina CJ Scheepers <sup>6</sup> , Mallory Woiski <sup>7</sup> , Arie Franx <sup>2</sup> , Ben Willem J. Mol <sup>8</sup> <sup>1</sup> AMC, Amsterdam, Netherlands, <sup>2</sup> UMC Utrecht, Utrecht, Netherlands, <sup>3</sup> VUMC, Amsterdam, Netherlands, <sup>4</sup> LUMC, Leiden, Netherlands, <sup>5</sup> Isala Klinieken, Zwolle, Netherlands, <sup>6</sup> MUMC, Maastricht, Netherlands, <sup>7</sup> Radboud UMC, Nijmegen, Netherlands, <sup>8</sup> The Robinson Research Institute, Adelaide, Australia

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**SATURDAY, February 6 • 8:45am — 11:30am • Hilton Atlanta - Salon East (continued)**

Time	Abstract	Oral Concurrent 7 - RCT's
10:15am	89	<b>The comparative effectiveness of intravenous acetaminophen versus intravenous morphine for pain relief in early labor: a randomized controlled trial</b> <b>Nana-Ama E. Ankumah<sup>1</sup></b> , Marissa Tsao <sup>1</sup> , Maria Hutchinson <sup>1</sup> , Claudia Pedroza <sup>1</sup> , Jaideep Mehta <sup>1</sup> , Sean Blackwell <sup>1</sup> , Jerrie Refuerzo <sup>1</sup> <sup>1</sup> UT Health - University of Texas Medical School at Houston, Houston, TX
10:30am	90	<b>A Randomized Controlled Trial of Prophylactic Early Manual Rotation of the Occiput Posterior Fetal Head at the Beginning of the Second Stage of labor vs. Expectant Management in Nulliparas</b> Jeff Broberg <sup>1</sup> , Scott Rees <sup>1</sup> , Scott Jacob <sup>1</sup> , Peter Drewes <sup>1</sup> , Brian Wolsey <sup>1</sup> , Lynn Dayton <sup>1</sup> , Kent Gamette <sup>1</sup> , Jefforey Thorpe <sup>1</sup> , <b>Aaron B. Caughey<sup>2</sup></b> <sup>1</sup> Valley Obstetrics and Gynecology, Provo, UT, <sup>2</sup> Oregon Health & Science University, Portland, OR
10:45am	91	<b>Validating obstetrical emergency checklists using simulation: a randomized controlled trial</b> <b>Komal Bajaj<sup>1</sup></b> , Enid Y. Rivera-Chiauszi <sup>2</sup> , Colleen Lee <sup>2</sup> , Tanya Moore-Murray <sup>2</sup> , Cynthia Ugbomah <sup>2</sup> , Lisa Nathan <sup>2</sup> , Katie Walker <sup>1</sup> , Cindy Chazotte <sup>2</sup> , Peter Bernstein <sup>2</sup> , Dena Goffman <sup>2</sup> <sup>1</sup> New York City Health and Hospitals Corporation, New York, NY, <sup>2</sup> Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY
11:00am	92	<b>The Effect of Hindsight and Outcome Bias on the Interpretation and Management of Intrapartum Fetal Heart Rate (FHR) tracings: A Randomized Trial</b> <b>Sean Blackwell<sup>1</sup></b> , William Grobman <sup>2</sup> , Cynthia Gyamfi <sup>3</sup> , George R. Saade <sup>4</sup> <sup>1</sup> UT Health- University of Texas Medical School at Houston, Houston, TX, <sup>2</sup> NorthWestern University, Chicago, IL, <sup>3</sup> Columbia University, New York, NY, <sup>4</sup> University of Texas Medical Branch, Galveston, TX
11:15am	93	<b>Acupuncture version of breech presentation: a randomized placebo-controlled single-blinded trial</b> Bruno P. Langer <sup>1</sup> , Georges-Emmanuel Roth <sup>1</sup> , Germain Aissi <sup>1</sup> , Nicolas Meyer <sup>1</sup> , Annick Bigler <sup>1</sup> , Jean-Michel Bouschbacher <sup>2</sup> , Christine Hemlinger <sup>1</sup> , Brigitte Viville <sup>1</sup> , Mélanie Guilpain <sup>3</sup> , Adrien Gaudineau <sup>1</sup> , Cherif Akladios <sup>1</sup> , Israel Nisand <sup>1</sup> , Christophe Vayssière <sup>4</sup> , Romain Favre <sup>1</sup> , <b>Nicolas Sananes<sup>1</sup></b> <sup>1</sup> CHU Strasbourg, Strasbourg, France, <sup>2</sup> Maternité de l'Hotel-Dieu, Saint-Martin, France, <sup>3</sup> CH Sainte-Catherine, Saverne, France, <sup>4</sup> Hôpital Paule-de-Viguier, Toulouse, France

**SATURDAY, February 6 • 8:45am — 11:30am • Hilton Atlanta - Salon West**

Time	Abstract	Oral Concurrent 8 - CLINICAL 2
8:45am	94	<b>Iron supplementation in twin gestations -One versus two ferrous sulfate capsules for iron deficient pregnant women</b> <b>Shiri Shinar<sup>1</sup></b> , Avital Skornick <sup>1</sup> , Sharon Maslovitz <sup>1</sup> <sup>1</sup> Sourasky medical center, Tel Aviv, Israel
9:00am	95	<b>Body fat index: A novel alternative to body mass index for prediction of obstetric complications</b> <b>Ahmed A. Nassr<sup>1,2</sup></b> , Sherif A. Shazly <sup>1,2</sup> , Mari C. Trinindad <sup>1</sup> , Sherif A. El-Nashar <sup>1</sup> , Amber M. Marroquin <sup>1</sup> , Brian C. Brost <sup>3</sup> <sup>1</sup> Mayo Clinic College of Medicine, Rochester, MN, <sup>2</sup> Women's Health Hospital, Assiut University, Assiut, Egypt, <sup>3</sup> Wake Forest School of Medicine, Winston Salem, NC
9:15am	96	<b>Detoxification from opiate drugs during pregnancy</b> Craig V. Towers <sup>1</sup> , <b>Jennifer Bell<sup>1</sup></b> , Callie Heitzman <sup>1</sup> , Barbara Smith <sup>1</sup> , Katie Chattin <sup>1</sup> , Mark Hennessy <sup>1</sup> <sup>1</sup> University of Tennessee Medical Center, Knoxville, TN
9:30am	97	<b>A tailored breastfeeding support intervention for women with gestational diabetes</b> <b>Alison M. Stuebe<sup>1</sup></b> , Karen Bonuck <sup>2</sup> , Reuben Adatorwovor <sup>3</sup> , Todd A. Schwartz <sup>3</sup> , Diane Berry <sup>4</sup> <sup>1</sup> University of North Carolina School of Medicine, Chapel Hill, NC, <sup>2</sup> Albert Einstein College of Medicine, Bronx, NY, <sup>3</sup> Gillings School of Global Public Health, Chapel Hill, NC, <sup>4</sup> University of North Carolina School of Nursing, Chapel Hill, NC
9:45am	98	<b>Utilization of evidence based practice bundle decreases the rate of shoulder dystocia and brachial plexus injury</b> <b>Laura Sienas<sup>1</sup></b> , Herman L. Hedriana, MD <sup>1</sup> , Suzanne Wiesner RN, MBA, HCM <sup>2</sup> , Barbara Pelletreau RN, MPH <sup>2</sup> , Mabelle Wilson, PHD <sup>1</sup> , Laurence E. Shields, MD <sup>2</sup> <sup>1</sup> University of California Davis, Sacramento, CA, <sup>2</sup> Dignity Health Patient Safety and Quality, San Francisco, CA
10:00am	99	<b>Obstetric outcome after IVF/ICSI with blastocyst transfer (BC)</b> <b>Ulla-Britt Wennerholm<sup>1</sup></b> , Erica Ginström Ernstad <sup>1</sup> , Ali Khatibi <sup>1</sup> , Karin Källen <sup>2</sup> , Christina Bergh <sup>1</sup> <sup>1</sup> Dep Ob Gyn, Inst for Clinical Sciences, Sahlgrenska University Hospital, Gothenburg, Sweden, <sup>2</sup> Tornblad Institute, Lund University, Lund, Sweden
10:15am	100	<b>Umbilical Venous Lactate for Predicting Fetal Lactic Acidemia and Neonatal Morbidity at Term</b> <b>Methodius Gamuo Tuuli<sup>1</sup></b> , Molly J. Stout <sup>1</sup> , George A. Macones <sup>1</sup> , Alison G. Cahill <sup>1</sup> <sup>1</sup> Washington University in St. Louis, St. Louis, MO
10:30am	101	<b>Barrier Analysis: Using Quality Improvement methodology to Decrease Health Disparities in Recurrent Preterm Birth</b> <b>Jodi Abbott<sup>1</sup></b> , Carolyn Smith-Lin <sup>1</sup> , Renee O'Toole <sup>2</sup> , Aviva Lee-Parritz <sup>1</sup> <sup>1</sup> Boston University School of Medicine, Boston, MA, <sup>2</sup> SUNY Downstate, Boston, MA
10:45am	102	<b>RCT of Azithromycin-Based Extended-Spectrum Antibiotic Prophylaxis for Cesarean Delivery: Role of Placental Colonization with Ureaplasma or Mycoplasma</b> <b>Alan Tita, M.D., Ph.D.<sup>1</sup></b> , Ken Waites <sup>2</sup> , Victoria Jauk <sup>1</sup> , Joseph Biggio <sup>1</sup> , Amelia Sutton <sup>1</sup> , Jeff Szychowski <sup>1</sup> , John Hauth <sup>1</sup> , William Andrews <sup>1</sup> <sup>1</sup> University of Alabama at Birmingham, Center for Women's Reproductive Health, Birmingham, AL, <sup>2</sup> University of Alabama at Birmingham, Birmingham, AL

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**SATURDAY, February 6 • 8:45am — 11:30am • Hilton Atlanta - Salon West (continued)**

Time	Abstract	Oral Concurrent 8 - CLINICAL 2
11:00am	103	<b>Accelerated fetal growth precedes diagnosis of gestational diabetes mellitus (GDM)</b> <b>Ulla Sovio</b> <sup>1</sup> , Helen R. Murphy <sup>1</sup> , Gordon C S Smith <sup>1</sup> <sup>1</sup> University of Cambridge, Cambridge, United Kingdom
11:15am	104	<b>Prenatal whole exome sequencing identifies genetic causes of congenital heart disease in fetuses with normal karyotype and normal microarray</b> <b>Huda B. Al-kouatly</b> <sup>1,2</sup> , Thierry Vilboux <sup>1,3</sup> , Melissa H. Fries <sup>2</sup> , Alice Young <sup>1</sup> , Jim C. Mullikin <sup>1</sup> , May Christine V. Malicdan <sup>1</sup> , Joshi Stephen <sup>1</sup> , Marjan Huizing <sup>1</sup> , William A. Gahl <sup>1</sup> , Ronald J. Wapner <sup>4</sup> <sup>1</sup> NIH, National Human Genome Research Institute, Bethesda, MD, <sup>2</sup> Medstar Washington Hospital Center, Department of Obstetrics & Gynecology, Washington, DC, <sup>3</sup> Inova Health System, Inova Translational Medicine Institute, Falls Church, VA, <sup>4</sup> Columbia University Medical Center, Department of Obstetrics & Gynecology, New York, NY

**SATURDAY, February 6 • 8:45am — 11:30am • Hilton Atlanta - Grand Ballroom West**

Time	Abstract	Oral Concurrent 9 - FETAL NEONATAL
8:45am	105	<b>The NICHD Fetal Growth Studies: Development of a contemporary formula for estimating gestational age from ultrasound fetal biometrics</b> <b>Daniel W. Skupski</b> <sup>1</sup> , John Owen <sup>2</sup> , Sungduk Kim <sup>3</sup> , Paul Albert <sup>3</sup> , Katherine Laughon Grantz <sup>3</sup> <sup>1</sup> New York Presbyterian Queens, Flushing, NY, <sup>2</sup> University of Alabama at Birmingham, Birmingham, AL, <sup>3</sup> Division of Intramural Population Health Research Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD
9:00am	106	<b>Clinical Interventions Abrogate Lethal Structural and Functional Pulmonary Defects in Neonatal Erk3-/- Knockout Mice</b> <b>Braden Pew</b> <sup>1</sup> , Milenka Cuevas-Guaman <sup>1</sup> , Cynthia Shope <sup>1</sup> , Mary Dickinson <sup>1</sup> , Kjersti Aagaard <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX
9:15am	107	<b>Alterations in Expression of the Imprinted Gene H19 in a Multigenerational Model Of IUGR</b> <b>Pablo J. Gonzalez-Rodriguez</b> <sup>1</sup> , Maxim D. Seferovic <sup>1</sup> , Derek O'neil <sup>1</sup> , Rosa De la Torre <sup>1</sup> , Melissa Suter <sup>1</sup> , Kjersti Aagaard <sup>1</sup> <sup>1</sup> Baylor College of Medicine, Houston, TX
9:30am	108	<b>Maternal magnesium sulphate (Mg) fetal neuroprotective effects to the fetus: Inhibition of nNOS and NFkB activation</b> <b>Ron Beloesesky</b> <sup>1</sup> , Nizar Khatib <sup>1</sup> , Saja Anabusi <sup>1</sup> , Yuval Ginsberg <sup>1</sup> , Michael G. Ross <sup>2</sup> , Zeev Weiner <sup>1</sup> <sup>1</sup> Rambam Health Care Campus, Haifa, Israel, <sup>2</sup> Harbor UCLA Medical Center, Torrance, CA
9:45am	109	<b>Association between small-for-gestational-age and neurodevelopmental impairment at two years of life among infants born at preterm gestational ages</b> <b>Anna Girsan</b> <sup>1</sup> , Samantha Do <sup>1</sup> , Yasser Y. El-Sayed <sup>1</sup> , Yair J. Blumenfeld <sup>1</sup> <sup>1</sup> Stanford University, Stanford, CA
10:00am	110	<b>The small for gestational age fetus: risk of stillbirth and infant death by each additional week of expectant management</b> <b>Rachel A. Pilliod</b> <sup>1,2</sup> , Jessica Page <sup>3</sup> , Jonathan Snowden <sup>4</sup> , Aaron B. Caughey <sup>4</sup> <sup>1</sup> Brigham & Women's Hospital, Boston, MA, <sup>2</sup> Massachusetts General Hospital, Boston, MA, <sup>3</sup> University of Utah, Salt Lake City, UT, <sup>4</sup> Oregon Health & Science University, Portland, OR
10:15am	111	<b>Probing early human neural development through fetal exosomes in maternal blood</b> <b>Laura Goetzl</b> <sup>1</sup> , Nune Darbinian <sup>1</sup> , Edward J. Goetzl <sup>2</sup> <sup>1</sup> Temple University, Department of Ob/Gyn and Shriners Hospitals Pediatric Research Center, Philadelphia, PA, <sup>2</sup> University of California, San Francisco, CA
10:30am	112	<b>Does the Addition of Fetal Growth Velocity Improve the Precision of Sonographic Birthweight Estimation?</b> <b>Katherine Grantz</b> <sup>1</sup> , Sungduk Kim <sup>1</sup> , William Grobman <sup>2</sup> , Roger Newman <sup>3</sup> , John Owen <sup>4</sup> , Daniel Skupski <sup>5</sup> , Jagteshwar Grewal <sup>1</sup> , Edward Chien <sup>6</sup> , Deborah Wing <sup>7</sup> , Ronald Wapner <sup>8</sup> , Angela Ranzini <sup>9</sup> , Stefanie Hinkle <sup>1</sup> , Mary Hediger <sup>1</sup> , Germaine Buck Louis <sup>1</sup> , Paul Albert <sup>1</sup> <sup>1</sup> Eunice Kennedy Shriver National Institute of Child Health & Human Development, NIH, Bethesda, MD, <sup>2</sup> Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>3</sup> Department of Obstetrics and Gynecology, Medical University of South Carolina, Charleston, SC, <sup>4</sup> University of Alabama at Birmingham, Center for Women's Reproductive Health, Birmingham, AL, <sup>5</sup> Department of Obstetrics and Gynecology, New York Presbyterian Queens, Flushing, NY, <sup>6</sup> MetroHealth Medical Center, Case Western Reserve University, Cleveland, OH, <sup>7</sup> University of California, Irvine, Irvine, CA, <sup>8</sup> Columbia University Medical Center, Department of Obstetrics & Gynecology, New York, NY, <sup>9</sup> St. Peter's University Hospital, New Brunswick, NJ
10:45am	113	<b>Novel use of contrast-enhanced ultrasound demonstrates improved microvascular placental perfusion after maternal Western-style diet reversal in the non-human primate</b> <b>Jennifer Salati</b> <sup>1</sup> , Victoria Roberts <sup>2</sup> , Jamie Lo <sup>1</sup> , Jonathan R. Lindner <sup>1</sup> , Kevin Grove <sup>2</sup> , Antonio Frias <sup>1</sup> <sup>1</sup> Oregon Health and Science University, Portland, OR, <sup>2</sup> Oregon National Primate Research Center, Beaverton, OR
11:00am	114	<b>A Maternal High Fat Diet (HFD) During Gestation Alters the Neonatal Gut Microbiome in a Human Population Based Longitudinal Cohort</b> <b>Derrick Chu</b> <sup>1,2,3</sup> , Kathleen Antony <sup>1</sup> , Jun Ma <sup>1</sup> , Amanda Prince <sup>1</sup> , Michelle Moller <sup>1</sup> , Brigid Boggan <sup>1</sup> , Kjersti Aagaard <sup>1,2,3</sup> <sup>1</sup> Dept. of Obstetrics and Gynecology, Baylor College of Medicine, Houston, TX, <sup>2</sup> Translational Biology and Molecular Medicine, Baylor College of Medicine, Houston, TX, <sup>3</sup> Medical Scientist Training Program, Baylor College of Medicine, Houston, TX
11:15am	115	<b>Prediction of late onset fetal growth restriction using circulating placental RNA in the maternal blood</b> <b>Clare Whitehead</b> <sup>1</sup> , Tu'uhevaha Kaitu'u-lino <sup>1</sup> , Susan Walker <sup>1</sup> , Maria Alexiadis <sup>2</sup> , Laura Tuohy <sup>1</sup> , Helen McNamara <sup>3</sup> , Daniel Vickers <sup>1</sup> , Stephen TOng <sup>1</sup> <sup>1</sup> University of Melbourne, Heidelberg, Australia, <sup>2</sup> Prince Henrys Institute, Melbourne, Australia, <sup>3</sup> University of Melbourne, Melbourne, Australia

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