

Society for Maternal-Fetal Medicine Annual Meeting  
January 23-28, 2017

**SMFM/ISUOG joint pre conference course**

Ultrasound and biomarkers: a new era in identifying complications of pregnancy

**Course Directors:** Aris Papageorghiou & Helen Feltovich

**Course Date:** Tuesday, January 24

**Learning Objectives**

1. Understand the role of the 1<sup>st</sup> and 2<sup>nd</sup> ultrasound in the patient with normal cf-DNA testing
2. Describe emerging serum & imaging biomarkers for various pregnancy complications
3. Discuss customised growth curves vs. international standards for fetal growth

Time	Title of Presentation	Speaker
<b>8:00-8:10</b>	<b>Welcome &amp; Introduction</b>	
<b>8:10-10:00</b>	<b>Fetal abnormalities: From ultrasound to cf-DNA and back again</b>	
8:10-8:40	Is 1 <sup>st</sup> trimester ultrasound dead?	Bryann Bromley
8:40-9:10	The role of 2 <sup>nd</sup> trimester ultrasound after normal cf-DNA	Joshua Copel
9:10-9:30	Assessing the 10-14 week fetus	Audience & Bryann Bromley
9:30-9:50	Don't miss these subtle heart defects	Audience & Joshua Copel
9:50-10:00	Questions & Answers	Audience & Faculty
10:00-10:30	<i>Morning Break</i>	
<b>10:30-12:00</b>	<b>Using biomarkers to predict pregnancy complications</b>	

10:30-10:55	Are there better biomarkers than cervical length to predict preterm birth?	George Saade
10:55-11:20	What can we see in the fetal membranes?	Ramkumar Menon
11:20-11:45	Uterine artery Doppler & serum biomarkers: can we predict preeclampsia?	Aris Papageorgiou
11:45-12:00	Questions & Answers	Audience & Faculty
12:00-13:00	<i>Lunch</i>	
<b>13:00-15:00</b>	<b>Biomarkers for fetal growth – and beyond</b>	
13:00-13:15	Fetal biometry: the original imaging biomarker	Helen Feltovich
13:15-13:30	Debate: Is there a global standard for fetal growth?	Joshua Copel (moderator)
13:30-13:50	YES: INTERGROWTH-21 <sup>st</sup>	Aris Papageorgiou
13:50-14:10	NO: WHO fetal growth study	Lawrence D Platt
14:10-14:30	Rebuttals	
14:30-15:00	Discussion	Audience & Faculty
15:00-15:30	<i>Afternoon Break</i>	
<b>15:30-17:00</b>	<b>Scanning the future horizon</b>	
15:30-15:50	From a distance: overseeing ultrasound quality from the other side of the world	Helen Feltovich
15:50-16:10	Technological advances at the point of care	Aris Papageorgiou
16:10- 16:50	Exercise: designing a predictive test	Audience & George Saade
<b>16:50-17:00</b>	<b>Final Comments</b>	

