



# MARTA

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**Middle Atlantic Reproduction and Teratology Association**

## **Advances in DART**

October 20<sup>th</sup> and 21<sup>st</sup>, 2016

**Bristol-Myers Squibb Company  
Lawrenceville, NJ; Room E1.300**

### **Thursday, October 20<sup>th</sup>**

- 11:30 – 12:30      **MARTA Council Meeting** (Cafeteria)
- 12:30 – 1:00      **Registration**
- 1:00 – 1:05      **Introductory Remarks**  
**Kary E. Thompson** (Bristol-Myers Squibb), MARTA President
- Comparative CNS Development & Vulnerability***
- 1:05 – 1:45      RNA metabolism as an emerging hotspot of forebrain neurogenesis  
**Mladin-Roko Rasin** (Rutgers)
- 1:45 – 2:25      Model Systems of Neural Development: Effects of environmental factors and autism genes on forebrain neurogenesis  
**Emanuel (Manny) DiCicco-Bloom** (Rutgers)
- 2:25 – 2:40      Break/Refreshments
- DART Assessments for Pharmaceuticals & Biologics for Anticancer***
- 2:40 – 3:20      Maternal Immune System during Pregnancy and its Influence on Fetal Development  
**Mili Mandal** (GlaxoSmithKline)
- 3:20 – 4:00      “Goldilocks” determination of how much new in vivo DART data is needed to inform safe use in humans  
**Chris Bowman** (Pfizer)
- 4:00 – 4:40      *Alternative Strategies for DART Assessments of Biologics within S9*  
**Christopher Sheth** (FDA)
- 4:40 – 5:00      Discussion
- 6:00 – 8:00      **Reception**      Colonial Bowling & Entertainment



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### Day 2: Advances in DART

#### Friday, October 21<sup>st</sup>

- 9:30 – 9:50      **Introductory Remarks - & Business Meeting – open to all members**  
**Kary E. Thompson** (Bristol-Myers Squibb), MARTA President
- 9:50 – 10:30      Cerebral Vessels are a Wreck without reck  
**Jesús Torres Vazquez** (NYU School of Medicine)
- 10:30 – 11:30      The Impact of Age on the Female Reproductive System: A Pathologist's  
Perspective  
**Justin Vidal** (MPI)
- 11:30 – 1:00      Lunch (BMS cafeteria)
- New Insights into Placental Transfer and Organs on a Chip**
- 1:00 – 1:40      Placental Transport of Drugs and Xenobiotics  
**Lauren Aleksunes** (Rutgers)
- 1:40 – 2:15      Ontogeny of FcRn in gestation across nonclinical species  
**Susan Laffan** (GlaxoSmithKline)
- 2:15 – 2:30      Break/Refreshments
- 2:30 – 3:15      Microengineered physiological biomimicry: Human organs-on-chips  
**Dongeun (Dan) Huh** (University of Pennsylvania)
- FDA Lactation Workshop - Update**
- 3:30 – 4:15      Drugs in Milk: the Value of Animal Data and Human Lactational Studies  
**Tacey White** (Aclairo)
- 4:15 – 4:30      Closing Remarks