



MARTA

Middle Atlantic Reproduction and Teratology Association

Annual Meeting October 5th and 6th, 2023

Janssen R&D,
1400 McKean Road
Spring House, PA

President
Pallavi McElroy

President-Elect
Nicole Principato

Past President
Caitlin Murphy

Secretary
Lei Wang

Treasurer
Kristin Bircsak

Council
Rashin Ghaffari
Angela Stermer
Thea Golden
Lauren Walker

Thursday, October 5th

8:30-8:45 MARTA meeting Welcome and Opening Remarks
Pallavi Mcelroy (Janssen) and Kary Thompson (Janssen)

8:45-12:00 NHPs in DART and Alternatives (Joint with BioSafe)

- 8:45-9:15:** Challenges of using NHPs in DART/ePPND data interpretation, Kristina York, Charles River Labs, Reno
- 9:15-9:45:** HESI Work Group update: Monkey use for DART, we can do better Chris Bowman, Pfizer
- 9:45-10:15:** Assessing developmental and reproductive toxicity with a surrogate monoclonal antibody, Diann Blanset, Boehringer Ingelheim

10:15-10:30: Break

- 10:30-11:00:** How to address the safety of gene therapy products in developmental and reproductive toxicology testing, Elise Lewis, Charles River Labs Horsham
- 11:00-12:00:** Discussion using voting on preformulated questions on regulatory interactions

12:00-13:30 Lunch/Networking (Provided by JNJ for MARTA registrants ONLY)

13:30-14:30 Endocrine Disruptors and Global Regulation

- 13:30-14:00:** ECHA, EOGRTS & DART Amnesia! Pragati Coder, Charles River Labs, Ashland
- 14:00-14:30:** Assessment of endocrine disrupting potential for agrochemicals – A global overview, Alex Charlton, Syngenta

14:30-14:45: Break

14:45-15:45 Trainee Presentations (Bradford Award winners)

- 14:45-15:15:** Mental, behavioral, and developmental disorders (MBDDS) among U.S. children with and without heart conditions, 2016-2021, Amanda Dorsey, Emory University
- 15:15-15:45:** Tris(1,3-dichloro-2-propyl) phosphate: impacts on epigenetic reprogramming and cellular metabolism during embryonic development, Sarah Barnard, University of California Riverside

15:45-16:30 Council meeting



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17:00-19:00 Reception

Imperatore Bar and Wood Fired Grill

511 Stump Rd North Wales, 19454, PA

Friday, October 6th

8:30- 9:00 Business meeting

9:30-10:15 HESI DART workshops/update

1. **9:00-9:30:** Key insights and guiding principles from the 2022 HESI-DART Adverse Events Workshop, Maia Green, Hurley Consulting
2. **9:30-10:15** Androgen-dependent male developmental endpoints: review of practices for assessing anogenital distance and nipple and areola retention, Alan Hoberman, Charles River Labs, Horsham

10:15-10:30 Coffee Break

10:30-12:00 Applications of New Approach Methodologies

1. **10:30-11:00:** Applications of New Approach Methodologies (NAMs) for Developmental and Reproductive Toxicity (DART) screening of discovery crop protection molecules, Paige Mundy, Corteva
2. **11:00-11:30:** Unpacking ICH S5(R3) qualification expectations for regulatory use of DART NAMs in pharmaceutical testing, Kim Brannen, Merck
3. **11:30-12:00:** Using organ-on-a-chip and organoid to identify female reproductive toxicants, Shuo Xiao, Rutgers University

Closing Remarks

Adjourn

**"To encourage proficiency and knowledge in the field of animal reproduction and teratology"
(Established 1968)**