



MARTA

Middle Atlantic Reproduction and Teratology Association

Annual Meeting October 10th and 11th, 2024

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

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Thursday, October 10th

11:00-12:00 pm Council Meeting

12:00-1:00 pm Registration

1:00-1:15 pm Meeting Welcome and Opening Remarks

**1:15-5:00 pm Interactive CE course with case studies and small group discussions
(break 2:45-3:15 pm)**

Toxicologic Pathology of the Male Reproductive System

Justin D. Vidal, DVM, PhD, DACVP, FIATP, Charles River Laboratories,
Ashland

Sarah Coe, DVM, MPH, DACVP, Inotiv, Portage

5:30-7:30 pm Reception – Miller's Ale House, Lansdale, PA

Friday, October 11th

8:30-10:30 am DART Strategies for New Modalities

- 8:30-9:30:** Germline Transmission Studies: Hitting a Safety Target Without DART, Rachel Goldsmith, Beam Therapeutics
- 9:30-10:30:** Hopping into Proteomics: Differential Analysis of Cereblon Neosubstrates in Rabbit Embryos, Natasha Catlin, PhD, DABT, Pfizer

10:30-10:45 am Break

10:45-11:45 am Bradford Award Winner Presentations

- 10:45-11:15:** The Human Osteogenic Embryonic Stem Cell Test Identifies the Developmental Toxicity Risk of Phthalate Exposure with High Predictivity, Thomas Spaeter, PhD, University of California Riverside
- 11:15-11:45:** Recapitulating Spermatogonial Dynamics In Vitro: Insights for Reproductive and Developmental Toxicology, Brad Hansen, University of Washington

11:45-1:15 pm Lunch (Provided)/Networking

1:15-1:30 pm Business meeting

1:30-4:00 pm Update on DART Techniques

1. **1:30-1:40** To Biel or not to Biel - Implementation and Validation of the Biel Maze, Tori Lefferts and Austin Bydalek, Charles River Laboratories, Inc. Horsham, PA
2. **1:40-1:50** Automated Neonatal Intracerebroventricular (ICV) Dose Administration in Rodents, Marcus Gerald and Austin Bydalek, Charles River Laboratories, Inc. Horsham, PA
3. **1:50-2:00** Neonatal Dosing Techniques in Rats and Mice, Korey Landis, Charles River Laboratories, Inc. Horsham, PA
4. **2:00-2:10** Estrous evaluation in Sprague Dawley and Wistar Han rats: morning vs. afternoon comparison, Tyler Dawson, Labcorp, Greenfield, IN
5. **2:10-2:40** Generating New Techniques and Strategies to Optimize the Use of the Guinea Pig as a small animal model in DART Safety Assessment, Jakob T. Gunderson, PhD, Charles River Laboratories, Inc. Horsham, PA

2:40 – 3:00 Break

6. **3:00-3:30** Validation Study Comparing Two Anesthetic Agents Administered Prior to Euthanasia with Barbiturate on Sperm Analysis in Male Rabbits, Cherie Qualls, Labcorp, Greenfield, IN
7. **3:30-4:00** Pre-Necropsy Sedation of Pregnant Rabbits and F1 Kits as a Refinement to the Euthanasia Process, Jennifer Sheehan, Charles River Laboratories, Inc. Horsham, PA

4:00-4:15 pm Closing remarks