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|  |  | MARTA  Middle Atlantic Reproduction and Teratology Association |
| *President* Curt Grace  *President-Elect*  Shuo Xiao  *Past President*  Nicole Principato  *Secretary*  Marcus Gerald  *Treasurer*  Johnathan Furr  *Council*  Jessica Miller  Rashin Ghaffari  Jeanine King | **Annual Meeting October 23rd and 24th, 2025**  **Montgomery Township Community and Recreation Center**  **1030 Horsham Road**  **Montgomeryville, PA 18936** | |
|  | **Thursday, October 23rd** |
|  | **11:00-11:30 am Council Meeting:** New and current members  **11:30-12:30 pm Registration**  **12:30-12:45 pm Meeting Welcome and Opening Remarks**  **12:45-3:45 pm Interactive Course with Case Studies**   * **12:45-1:45 pm**: Female Reproductive Physiology for Toxicologists   Kristen Roosa-Beck, PhD, Merck, West Point, PA   * **1:45-2:30 pm**: Toxicologic Pathology of the Female Reproductive System Part 1 Justin D. Vidal, DVM, PhD, DACVP, FIATP, Charles River Laboratories, Ashland, OH * **2:30-3:00 pm**: Break * **3:00-3:45 pm**: Toxicologic Pathology of the Female Reproductive System Part 2 Justin D. Vidal, DVM, PhD, DACVP, FIATP, Charles River Laboratories, Ashland, OH   **3:45-4:45 pm Placental Models in Toxicology**   * **3:45-4:45 pm**:From Tissue Chips and Big Data to Birth Cohorts and Beyond: Transforming How We Study Human Placental Transport   Lauren Aleksunes, Rutgers University, New Brunswick, NJ  **5:00-7:30 pm Reception – The Copper Crow** 116 Welsh Rd. Horsham, PA |
|  | **Friday, October 24th** |
| **7:30-8:30 am Registration**  **8:30-9:30 am Placental Models in Toxicology Continued**   * **8:30-9:30 am**: Sex-Related Effects of Nanoparticle Inhalation on Placental Glucose Handling and Nutrient Transport Capacity   Talia Seymore, BS, Rutgers University, New Brunswick, NJ  **9:30-11:00 am**: **Supporting Clinical Trials in Pregnant and Breastfeeding People**   * **9:30-10:15 am**: Introduction to ICH E21: Inclusion of Pregnant and Breastfeeding Individuals in Clinical Trials   Dinesh Stanislaus, PhD, GlaxoSmithKline, Collegeville, PA   * **10:15-11:00 am**: Opportunities for Including Pregnant or Lactating Women in Clinical Trials and How We Get There   Anthony DeLise, PhD, Novartis, East Hanover, NJ  **11:00-12:15 pm Lunch (Provided)**  **12:15-12:30 pm Business Meeting**  **12:30-1:10 pm:** **Perspectives on FDA News Release and Road Map** **to Reducing Animal Testing in Preclinical Safety Studies**   * **12:30-12:50 pm:** Overview/Introduction   Kary Thompson, PhD, Janssen, Spring House, PA   * **12:50-1:10 pm:** Panel discussion   Kary Thompson, PhD, Janssen, Spring House, PA  Ron Wange, PhD, Aclairo Pharmaceutical Development Group  Elise Lewis, PhD, Charles River Laboratories, Horsham, PA  **1:10-2:10: Post-doc presentations**   * **2:10-1:40 pm**: Mechanistic insights of chemotherapy-induced primary ovarian insufficiency from an oncofertility perspective   Yingnan Bo, PhD, Department of Pharmacology and Toxicology, Rutgers University   * **1:40-2:10 pm**: GLP-1 Receptor Agonism in Pregnancy: Impacts on Maternal and Offspring Metabolic Health   Ananthi Rajamoorthi, MD, PhD University of Pennsylvania  **2:10-2:25 pm: Break**  **2:25-4:05 pm: Updates on DART Techniques**   * **2:25-2:50 pm**: Sexually mature nonhuman primate re-use in developmental and reproductive studies   Diana Shefchek, MS, Labcorp, Greenfield, IN   * **2:50-3:15** **pm**: Juvenile Animal Studies in Rabbits: Techniques and Conducting Functional Observational Battery   Jenna Hardy, BS, RVT, ALAT, Labcorp, Greenfield, IN.   * **3:15-3:40** **pm**: Sperm Morphology Slide Preparation: The Impact of Time, Stain, and Suspension Volume on Quality and Efficiency   Theresa Morthland, BS, Inotiv, Gaithersburg, MD   * **3:40-4:05 pm**: Machine Learning Approaches to Building Automated Fetal Skeletal Evaluation Tools   TBD, Merck, West Point, PA  **4:05-4:20 pm: Closing Remarks** |
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