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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**  **(Break 2:30-3:00 pm)**  Physiology and Toxicologic Pathology of the Female Reproductive System  Kristen Roosa-Beck, PhD, Merck, West Point, PA  Justin Vidal, DVM, PhD, DACVP, FIATP, Charles River Laboratories, Ashland, OH  **3:45-4:45 pm Novel Placental Models in Toxicology**  From Tissue Chips and Big Data to Birth Cohorts and Beyond: Transforming How We Study Human Placental Transport  Lauren Aleksunes, PharmD, PhD, DABT, Rutgers University, Piscataway, 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 Novel Placental Models in Toxicology Continued**  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 – Nonclinical Considerations   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 Pharmaceuticals, East Hanover, NJ  **11:00-12:15 pm Lunch (Provided)**  **12:15-12:30 pm Business Meeting**  **12:30-1:10 pm:** **Perspectives on the FDA Road Map** **to Reducing Animal Testing in Preclinical Safety Studies**   * **12:30-12:50 pm:** Paving the Path: Navigating the FDA Roadmap to Better Safety Risk Assessments   Kary Thompson, PhD, Johnson & Johnson, Spring House, PA   * **12:50-1:10 pm:** Panel discussion   Kary Thompson, PhD, Johnson & Johnson, 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**   * **1:10-1:40 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, Madison, WI   * **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**: An Updated Staining Procedure for Sperm Morphology Evaluation   Theresa Morthland, BS, Inotiv, Gaithersburg, MD  E.R. Hryniewicz, BS, Inotiv, Gaithersburg, MD   * **3:40-4:05 pm**: Machine Learning Approaches to Building Automated Fetal Skeletal Evaluation Tools   Rajath Soans, PhD, Merck, West Point, PA  **4:05-4:20 pm: Closing Remarks** |
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