



Registration Deadline April 17, 2023

<https://events.anr.msu.edu/RDSPARD2023/>

The 6th Annual Reproductive and Developmental Sciences Program Research Day

Interdisciplinary Science and Technology Building (ISTB)
766 Service Rd, East Lansing, MI 48824, USA

April 25th, 2023

Sponsored by

MICHIGAN STATE
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RDSP 6th Annual Research Day Agenda

Tuesday, April 25th, 2023

Time: 8:30 AM - 4:30 PM

Interdisciplinary Science & Technology Building (ISTB)

Main atrium (Room 1404)

766 Service Rd., E. Lansing, MI 48824

- 8:30 – 8:54 Registration, Poster Set-up, and Spartan Breakfast
- 8:55 **Opening Remarks** *Dr. Keith Latham*
- Session 1:** *Gonad, Gamete, Stem Cell, & Embryo Biology*
Moderator: Noura Massri, PhD Candidate, Cell and Molecular Biology Program
- 9:00 Robin Kruger - *Uncovering the role of Bone Morphogenic Protein signaling in early murine embryogenesis*
- 9:15 Jeffrey Mann - *Disruption of Catalytic RING2 Domain in Murine RNF216 Impairs Male Fertility*
- 9:30 Hanben Wang - *Properly balanced process of mitofusion and fission are essential for spermatogonial differentiation*
- 9:45 -10:30 Coffee Break **Poster Session 1**
ODD numbered posters #1 - #21
- 10:30 - 12:00 **Keynote Lecture:** **Dr. Hugh Taylor, MD; Yale School of Medicine**
Anita O'Keeffe Young Professor of Obstetrics, Gynecology, and Reproductive Sciences and Professor of Molecular, Cellular, and Developmental Biology; Chair, Obstetrics, Gynecology & Reproductive Sciences; Chief of Obstetrics and Gynecology, Yale-New Haven Hospital
- "Endometriosis: A chronic systemic disease"***
Introduced at 10:30 by Dr. Keith Latham
- 12:00 - 1:30 **Grand Traverse Pie Co Boxed Lunches**
- ***EAC and T32 Trainees Lunch in Rm 1108 ISTB***

● **T32 Faculty Lunch and RMOP Session in BioEng. Rm 1000**

Session 2: *Maternal and Environmental Impacts on Development, & Developmental Origins of Health and Disease*

Moderator: Maria Kloboves, PhD Student, Dept. of Food Sci & Human Nutrition

1:30 Norman Chamusah - *Sex differences in placental pathology of a New York City based cohort from 2010 to 2015*

1:45 Brad Ryva - *Associations of endocrine disrupting chemical mixtures with maternal testosterone levels in pregnancy*

2:00 Dejin Zheng - *Modeling Nut carcinoma using genetically modified mouse model*

2:15 - 3:00

Poster Session 2

EVEN numbered posters #2-#14

Session 3: *Women's Health, Gynecologic Pathologies and Maternal-Fetal Interactions*

Moderator: Brad Ryva, DO/PhD Candidate, Pharmacology and Toxicology

3:00 Hilary Skalski - *Understanding the impact of high-fat diet (HFD) induced obesity on endometrial hyperplasia*

3:15 Allison Swider - *Endometriotic Spheroids as a Model for Identifying Novel Therapeutics for Endometriosis*

3:30 Morgan Collins - *Impact of Seminal Vesicle Fluid on Group B Streptococcus Vaginal Colonization During Pregnancy*

3:45 Coffee Break/ Judge deliberations

4:00 **Awards Ceremony for Best Poster/Best Oral Presentation**
Hosted by Trainee Organizing Committee

4:25 **Closing Remarks** *Dr. Asgi Fazleabas*

4:30 **Poster take down**