

► Agenda:

Sex Differences Across the Lifespan

Focusing on Cardiometabolism & Mental Health



12:00 PM – 3:00 PM

Room: West Ballroom Foyer

Conference Check-in

3:00 AM – 5:05 PM

Room: West Ballroom

Scientific Session I

20-minute presentations followed by a 15-minute panel discussion

Topic **It takes two:** Maternal health and paternal influences on pregnancy outcomes

Chairs **Yoel Sadovsky**, MD (Magee-Womens Research Institute, University of Pittsburgh)
Laura Brown, MD (University of Colorado School of Medicine)

Speakers **Stress alters sperm content and function: tails in mice and men**
– Tracy Bale, PhD (University of Colorado School of Medicine)

Fetal sex influences pregnancy and long term outcomes
– Leslie Myatt, PhD, FRCOG (Oregon Health & Science University)

Lifestyle Interventions in Women with Overweight and Obesity to Improve Maternal Metabolism and Outcomes in the Offspring – Patrick Catalano, MD (Tufts University School of Medicine)

Longitudinal Assessment of Glycemia in Health, Non-Diabetic Pregnant Women
– Uma Reddy, MD, MPH (Columbia University Irving Medical Center)

Five-Minute Data Blitz

5:15 PM – 5:45 PM

Room: West Tower Lobby | Food: Hors d'oeuvres and cocktails

Featured Talk

Beyond the gonads: FSH actions across the female reproductive lifespan
– T. Rajendra Kumar, PhD (University of Colorado School of Medicine)

6:00 PM – 7:00 PM

Room: West Tower Lobby | Food: Hors d'oeuvres and cocktails

Cocktail Reception

7:00 PM – 9:00 PM

Room: West Ballroom Foyer | Food: Plated Dinner

▶ Opening Dinner

Conference Attendees & Community Members

Welcome to the 2024 National Conference

▶ **Remarks** Judy Regensteiner, PhD (University of Colorado School of Medicine)– Introductory Remarks

7:00 AM

Room: West Ballroom Foyer | Food: Breakfast Buffet

Breakfast Opens

7:30 AM – 9:35 AM

Room: West Ballroom

Scientific Session II

20-minute presentations followed by a 15-minute panel discussion

▶ **Topic** **Cardiovascular Disease in Women:** What have we learned?

Chairs JoAnn Lindenfeld, MD (Vanderbilt University School of Medicine)
Erin Michos, MD (Johns Hopkins School of Medicine)

▶ **Speakers** **Heart Failure in Women:** Past and Present
– JoAnn Lindenfeld, MD (Vanderbilt University School of Medicine)

Sex Differences in Cardiovascular Disease
– Erin Michos, MD (Johns Hopkins School of Medicine)

Five-Minute Data Blitz

9:35 AM – 9:55 AM

Food: Beverage service (coffee, tea)

Break

9:55 AM – 12:00 PM

Room: West Ballroom

▶ Scientific Session III

20-minute presentations followed by a 15-minute panel discussion

Topic **Obesity and Diabetes in the era of durable weight loss**

Chairs **Jane Reusch, MD** (University of Colorado School of Medicine)

Darleen Sandoval, PhD (University of Colorado School of Medicine)

Speakers **Biological sex differences in gut-brain axis regulation of metabolism**

– Darleen Sandoval, PhD (University of Colorado School of Medicine)

Does behavior change matter anymore?

– Judy Regensteiner, PhD (University of Colorado School of Medicine)

Personalized Strategies for Cardio-Metabolic Health: Non-Traditional Biomarkers and Treatment Targets with a Focus on Sex Differences

– Susanna Hofman, MD (Institute of Diabetes and Regeneration Research – Heimboltz Diabetes Center Munich)

Impact of sex on the cardiometabolic burden of obesity

– Jane Reusch, MD (University of Colorado School of Medicine)

▶ Five-Minute Data Blitz

12:00 PM – 12:15 PM

Room: West Ballroom Foyer | Food: Lunch Buffet

▶ Break

12:15 PM – 1:30 PM

Room: West Ballroom | Food: Lunch Buffet

▶ Lunch Networking Session

1:30 PM – 2:00 PM

Food: Beverage service (coffee, tea)

Break

2:00 PM – 4:05 PM

Room: West Ballroom

▶ Scientific Session IV

20-minute presentations followed by a 15-minute panel discussion

Topic Maternal Mortality -- a U.S. tragedy

Chairs Nanette Wenger, MD (Emory University School of Medicine)
Amy Huebschmann, MD (University of Colorado School of Medicine)

Speakers “Maternal Mortality – can a U.S. tragedy be reversed?” – Nanette Wenger, MD (Emory University School of Medicine)

Hypertensive and Diabetic Complications of Pregnancy: Long-term Implications for Both Mother and Offspring – Kathryn Lindley, MD (Vanderbilt University School of Medicine)

Prevention in Action: implementing community-engaged pre-conception counseling in the U.S. – Natalie Hernandez, PhD, MPH (Morehouse School of Medicine)

How are we improving Maternal Health in Latin/Hispanic countries, from pre-conception to the 4th Trimester
– Johanna Contreras, MD (Mount Sinai School of Medicine)

▶ Five-Minute Data Blitz

4:05 PM – 5:30 PM

Room: West Ballroom | Food: Hors d'oeuvres and cocktails

▶ Judged poster session & reception

5:30 PM – 7:30 PM

Room: Main Ballroom | Food: Casual dinner with food stations

▶ Casual dinner

7:00 AM

Room: West Ballroom Foyer | Food: Continental Breakfast

▶ Breakfast Opens

7:30 AM – 8:15 AM

Room: West Ballroom | Food: Continental Breakfast

▶ Keynote Address

8:15 AM – 9:50 AM

Room: West Ballroom | Food: Continental Breakfast

▶ Scientific Session V

20-minute presentations followed by a 15-minute panel discussion

- Topic** **Advancing women's health through AI and genetic, clinical, and behavioral data**
- Chairs** **Casey Greene**, PhD (University of Colorado School of Medicine)
Noémie Elhadad, PhD (Columbia University Vagelos College of Physicians and Surgeons)
- Speakers** **The role of sex in the genetics and genomics of complex traits** – Barbara Stranger, PhD (Northwestern University Feinberg School of Medicine)
- AI for the early detection of endometriosis from clinical and patient-generated data**
 – Noémie Elhadad, PhD (Columbia University Vagelos College of Physicians and Surgeons)
- Machine Learning-based Detection and Prediction of Sex Differences**
 – Casey Greene, PhD (University of Colorado School of Medicine)
- Leveraging Clinical and Molecular Data and AI to Better Understand Sex Differences in Alzheimer's Disease** – Marina Sirota, PhD (University of California, San Francisco School of Medicine)

9:50 AM – 10:15 AM

Food: Beverage service

Break

10:15 AM – 12:20 PM

Room: West Ballroom

▶ Scientific Session VI

20-minute presentations followed by a 15-minute panel discussion

Topic **Mental Health in Women:** Looking forward

Chairs **Neill Epperson, MD** (University of Colorado School of Medicine)
Tracy Bale, PhD (University of Colorado School of Medicine)

Speakers **Sex and gender differences in mental health across the lifespan**
– Neill Epperson, MD (University of Colorado School of Medicine)

The role of sex differences and gonadal hormones on addiction
– Jill Becker, PhD (University of Michigan School of Medicine)

The Good, the Bad and the Confusing: Effects of estrogens on stress resilience towards an understanding of depression in females
– Liisa Galea, PhD (University of Toronto Institute of Medical Science)

Insights into the perinatal brain and mental health from bench to bedside
– Kathleen Morrison, PhD (West Virginia University School of Medicine)

▶ Five-Minute Data Blitz

▶ 12:20 PM – 12:30 PM

Room: West Ballroom Foyer | Food: Boxed lunch

▶ Judy Regensteiner, PhD, Closing Remarks

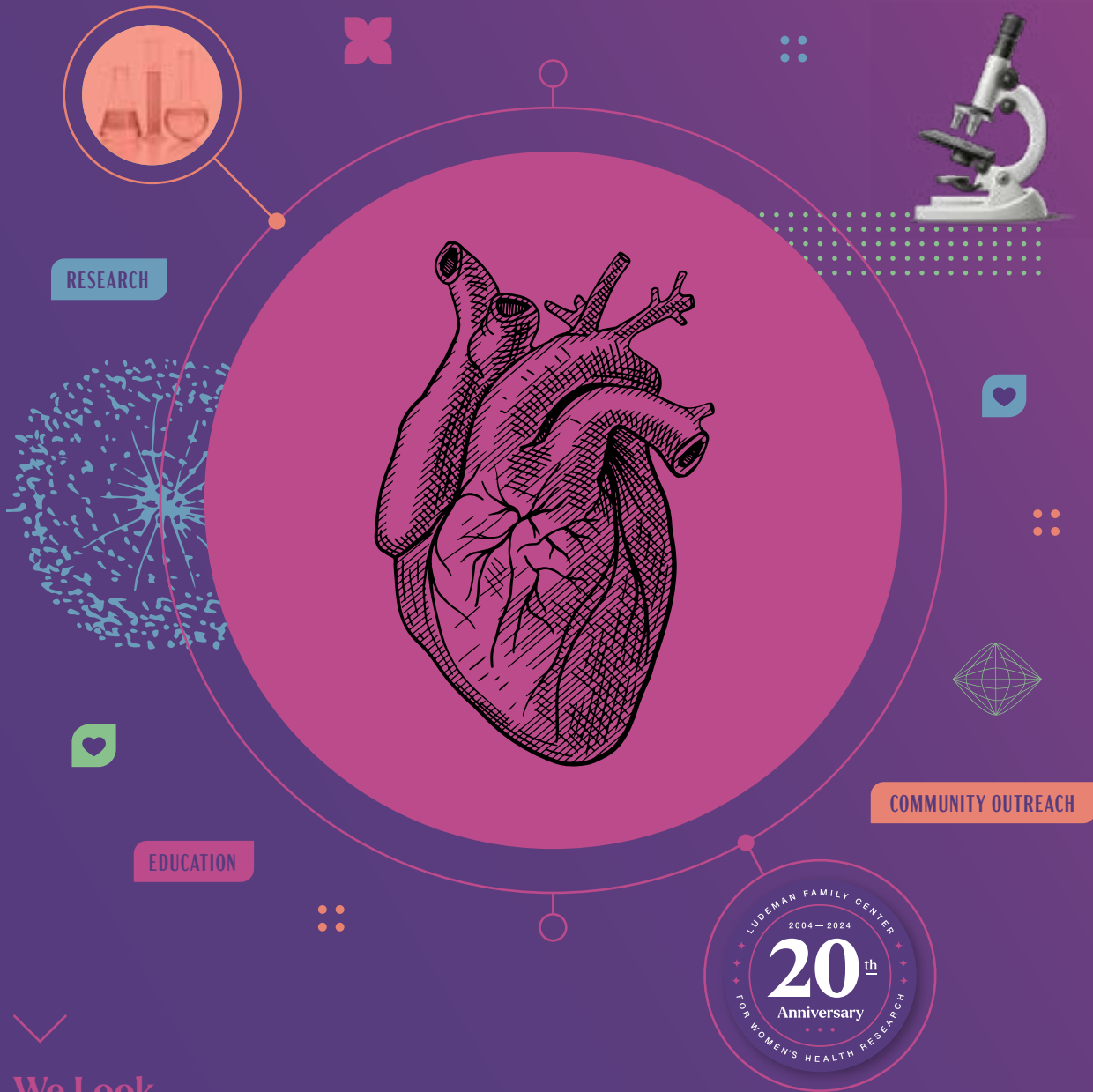
▶ 12:30 PM – 2:30 PM

Room: McGrew Room | Food: Plated lunch

▶ Community Session Lunch Panel



Ludeman Family Center for Women's Health Research
UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS



**We Look
forward to
seeing you!**

Sex Differences Across the Lifespan

Focusing on Cardiometabolism & Mental Health

National Conference

October 23 – 25, 2024

The Broadmoor Hotel

Colorado Springs, Colorado