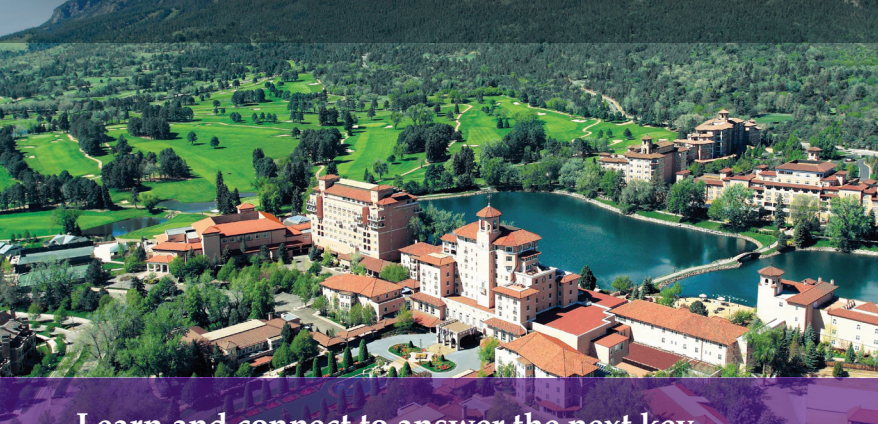


Sex Differences Across the Lifespan: A Focus on Metabolism



National Conference + Poster Session on
Women's Health and Sex Differences Research

August 25-27, 2021

THE BROADMOOR HOTEL
Colorado Springs, Colorado

Learn and connect to answer the next key
questions in women's health research.

Presented by  

Wednesday, August 25, 2021

11:30 – 12:30PM	Conference Check-in	WEST BALLROOM
12:30 – 2:30PM	COMMUNITY SESSION EVENT <i>Please note that this session is intended for community members. Conference sessions for scientific attendees begin with the cocktail reception and poster preview at 6pm.</i>	
	Making a Difference in Women's Health: Journeys in Science CHAIR: Laura Brown, MD SPEAKERS: Anne Libby, PhD – University of Colorado School of Medicine <i>Mentoring and educating the next generation of scientists</i> Wendy Kohrt, PhD – University of Colorado School of Medicine <i>The molecular map: finding out why exercise is important</i> Kent Thornburg, PhD – Oregon Health & Science University <i>Better the future with diet: reversing the American chronic disease epidemic</i>	WEST BALLROOM
	Q & A PANEL	

4:00 – 6:00PM	Conference Check-in	WEST BALLROOM FOYER
6:00 – 7:00PM	Cocktail Reception & Poster Preview <i>(Rain location: West Tower Lobby)</i>	WEST TERRACE

7:00PM – 9:00PM	Welcome to the 2021 National Conference John J. Reilly, Jr., MD – University of Colorado School of Medicine Judy Regensteiner, PhD – University of Colorado School of Medicine KEYNOTE SPEAKER: Felicia Hill-Briggs, PhD – Johns Hopkins University School of Medicine <i>Health and Well-Being at the Intersection of Race/Ethnicity and Gender Inequities: Implications for Research and Population Health Outcomes</i>	WEST BALLROOM & FOYER
-----------------	--	-----------------------

Thursday, August 26, 2021

7:00AM	Breakfast opens	WEST BALLROOM FOYER
7:30AM – 9:35AM	Scientific Session I <i>(20 minute presentations followed by a 15 minute panel discussion)</i>	WEST BALLROOM

TOPIC: The Placental-Fetal Connection: Programming Adult Metabolic Health

CHAIRS:
Yoel Sadovsky, MD – Magee-Womens Research Institute, University of Pittsburgh
New Insights into Placental Function in Maternal-Fetal Defense
Laura Brown, MD – University of Colorado School of Medicine

SPEAKERS:
Yoel Sadovsky, MD – Magee-Womens Research Institute, University of Pittsburgh
Laura Brown, MD – University of Colorado School of Medicine
Anabolic resistance in fetal skeletal muscle: Implications for later life metabolic health
Kent Thornburg, PhD – Oregon Health & Science University
What the placenta is telling the fetal heart
Nigel Paneth, MD, MPH – Michigan State University
Prediction and Prevention of neurodevelopmental Dysfunction

Q & A PANEL
Five minute data blitz presentations followed by Q & A

PRESENTERS:
Sunah Hwang, MD, PhD
Malgorzata Skaznik-Wikiel, MD
Ramon Lorca, PhD

9:35AM – 9:55AM	Break	
9:55AM – 12:00PM	Scientific Session II <i>(20 minute presentations followed by a 15 minute panel discussion)</i>	WEST BALLROOM

TOPIC: Sex Differences in Cardiovascular Disease – Implications for Women and Policy

CHAIR:
Linda Peterson, MD – Washington University in St. Louis

SPEAKERS:
Mary Norine Walsh, MD, MACC – Saint Vincent Heart Center, Indianapolis
Linda Peterson, MD – Washington University in St. Louis
Sex differences in cardiac rehabilitation and Intensive Cardiac Rehabilitation
Rita Redberg, MD – University of California, San Francisco
Nanette Wenger, MD – Emory University School of Medicine
Investigate, Educate, Advocate, and Legislate

SPEAKER Q & A PANEL
Five minute data blitz presentations followed by Q & A

PRESENTERS: To be announced

Q & A PANEL

12:00PM – 1:00PM	LUNCH PANEL	WEST BALLROOM FOYER
------------------	-------------	---------------------

TOPIC: Moving into the Future: New Strategies in Women's Health Research

CHAIR AND MODERATOR: **Amy Huebschmann, MD** – University of Colorado School of Medicine

PANELISTS:
Nanette Wenger, MD – Emory University School of Medicine
Cara Tannenbaum, MD, MSc – Canadian Institutes of Health Research

Q & A PANEL

1:00PM – 1:15PM	Break	
-----------------	-------	--

KEYNOTE ADDRESS

1:15PM – 2:00PM	Mitochondrial Function in Different Organ Systems KEYNOTE SPEAKER: Juleen Zierath, PhD – Karolinska Institute Q & A PANEL	WEST BALLROOM
-----------------	---	---------------

2:00PM – 2:15PM	Break	
2:15PM – 4:20PM	Scientific Session III <i>(20 minute presentations followed by a 15 minute panel discussion)</i>	WEST BALLROOM

TOPIC: Sex Differences in Brain, Obesity and Metabolic Dysregulation across the Lifespan

CHAIRS: **Jill Goldstein, PhD** – Harvard Medical School
C. Neill Epperson, MD – University of Colorado School of Medicine

SPEAKERS:
Kristina Legget, PhD, MA – University of Colorado School of Medicine
Sex differences in the neuronal mechanisms of food intake behavior
Robert Handa, PhD – University of Arizona College of Medicine
Programming of adult behavior and cardiometabolic function in rodents by prenatal glucocorticoids: A sex and brain perspective
Andrea Edlow, MD, MSc – Harvard Medical School
Maternal Obesity and Sex Differences in Fetal Brain and Placental Programming

Q & A PANEL
Five minute data blitz presentations followed by Q & A

PRESENTERS: To be announced

4:20 – 4:45PM	Break	
4:45PM – 5:45PM	Judged poster session & reception	WEST BALLROOM
5:45PM – 7:30PM	Casual dinner	POMPEIAN

Friday, August 27, 2021

(Breakfast vouchers will be provided)

7:30AM – 9:05AM	Scientific Session IV <i>(20 minute presentations followed by a 15 minute panel discussion)</i>	WEST BALLROOM
-----------------	---	---------------

TOPIC: Sex-omics: A Systems Approach to the Methods of Studying Sex and Gender Differences

CHAIRS: **Juleen Zierath, PhD** – Karolinska Institute
Judy Regensteiner, PhD – University of Colorado School of Medicine

SPEAKERS:
Leslie Leinwand, PhD – University of Colorado, Boulder
A woman is not a small man: sex differences in the heart in health and disease
Geert De Vries, PhD – Georgia State University
Arthur Arnold, PhD – UCLA
Using animal models to dissect hormonal and sex chromosome contributions to sex differences in disease
Margaret McCarthy, PhD – University of Maryland
Immune Origins of Sex Differences in the Brain

Q & A PANEL

9:05AM – 9:30AM	Break	
9:30AM – 11:35AM	Scientific Session V <i>(20 minute presentations followed by a 15 minute panel discussion)</i>	WEST BALLROOM

TOPIC: To E or not to E: Metabolic Actions of Estrogens

Chair: **Wendy M. Kohrt, PhD** – University of Colorado School of Medicine

SPEAKERS:
T. Rajendra Kumar, PhD – University of Colorado School of Medicine
Estrogen-Independent Actions of FSH in Extra-Gonadal Tissues
Estrogen Melanson, PhD – University of Colorado School of Medicine
Estrogen and energy expenditure: stoking the flames of thermogenesis
Dawn Lowe, PhD – University of Minnesota
Disrupted estradiol-estrogen receptor signaling in skeletal muscle: Myosin and beyond
Wendy Kohrt, PhD – University of Colorado School of Medicine

SPEAKER Q & A PANEL
Five minute data blitz presentations followed by Q & A

PRESENTERS: To be announced

11:35AM – 12:00PM	Boxed lunch and break	WEST BALLROOM FOYER
12:00PM – 2:05PM	Scientific Session VI <i>(20 minute presentations followed by a 15 minute panel discussion)</i>	WEST BALLROOM

TOPIC: Female Sex as an Endocrine Disrupter in Diabetes

CHAIR: **Jane Reusch, MD** – University of Colorado School of Medicine

SPEAKERS:
Felicia Hill-Briggs, PhD – Johns Hopkins University School of Medicine
Andrea Hevener, PhD – UCLA
The role of the estrogen receptor alpha in mitochondrial and metabolic health – Strong enough for a man, but made for a woman
Rachel Huxley, PhD – Deakin University, Australia
Judy Regensteiner, PhD – University of Colorado School of Medicine

SPEAKER Q & A PANEL
Five minute data blitz presentations followed by Q & A
Tanya Halliday, PhD, RD – University of Utah School of Medicine
Kalie Tommerdahl, MD – University of Colorado School of Medicine
Natalie Nokoff, MD – University of Colorado School of Medicine

Q & A PANEL

2:05PM – 2:15PM	Judy Regensteiner, PhD Closing Remarks	WEST BALLROOM
-----------------	--	---------------