

Connors-BRI Symposium:

INCORPORATING SEX AND GENDER AS RESEARCH VARIABLES TO ADVANCE HEALTH

Monday, May 9th 2022 | 3:00 pm -5:00 pm

*Connors-BRI Center for Research on
Women's Health and Sex/Gender Medicine*

AGENDA

3:00 – 3:05

Welcoming Remarks

Hadine Joffe, MD, MSc

Executive Director, Mary Horrigan Connors Center for Women's Health and Gender Biology

Paula A. Johnson Professor of Psychiatry in the Field of Women's Health
Vice Chair for Research, Department of Psychiatry
Brigham and Women's Hospital / Harvard Medical School

3:05 – 3:45

Keynote Address

Introduction by:

Laura M. Holsen, MS, PhD

Associate Psychologist
Associate Professor of Psychiatry
Brigham and Women's Hospital / Harvard Medical School

Keynote:

What is a sex difference?

Dr. Donna Maney

Professor of Psychology, Emory University

3:45 – 4:25

Featured Short Talks

Introduction by:

Kathryn Rexrode, MD, MPH

Chief, Division of Women's Health, Department of Medicine
Associate Professor of Medicine
Brigham and Women's Hospital / Harvard Medical School

Short Talks:

Investigating a metabolic basis for sex differences in the immune system

Lydia Lynch, PhD

Menopause age and hormone therapy use moderate PET tau and amyloid association: findings from the Wisconsin Registry for Alzheimer Prevention

Gillian Coughlan, PhD

Pre-pregnancy migraine, aura phenotype, and risk of adverse pregnancy outcomes: a prospective cohort study

Alexandra Purdue-Smithe, PhD

4:25 – 4:55

Lightning Talks

Introduction by:

Cynthia A. Lemere, PhD

Associate Professor of Neurology in the Ann Romney Center for Neurologic Diseases
Brigham and Women's Hospital / Harvard Medical School

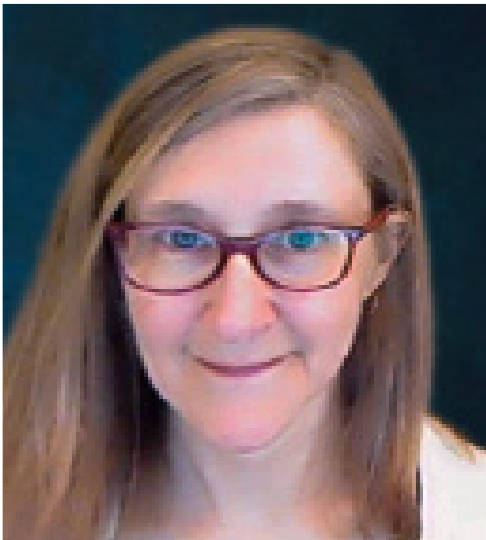
4:55 – 5:00

Closing Remarks

Dawn L. DeMeo, MD, MPH

Associate Professor of Medicine
Brigham and Women's Hospital / Harvard Medical School

KEYNOTE SPEAKER



Dr. Donna Maney

Professor of Psychology,
Emory University

Donna L. Maney, PhD is a neuroscientist and behavioral neuroendocrinologist at Emory University. For the past 25 years, her research has focused broadly on hormonal and genetic influences on social behavior. Recently, she became interested in sex differences — how they are tested for and reported in biomedical research and how they impact education and public health.

She believes that scientists have a responsibility not only to include females in all studies but also to minimize bias and sexism in the design and the reporting of research. It is therefore a major mission of Maney's research group to promote both inclusivity and scientific rigor in the study of sex differences and women's health.

Maney is currently a core member of Neurogenderings, a network of scientists and scholars who critically evaluate how scientific knowledge about sex differences in the brain is produced. She also serves as a Councilor for the Organization for the Study of Sex Differences (OSSD), a group that seeks to promote understanding of sex differences by facilitating interdisciplinary collaborations.

LIGHTNING TALKS

CARDIOVASCULAR

Moderated by: Kathryn Rexrode, MD, MPH

Dinah Foer, MD | BWH

Utilization of Electronic Health Record Gender Demographic Fields: A Metadata Analysis

Natali Sorajja | BWH

An index measuring sociocultural gender-related exposures identifies non-biological effects on insomnia in the Hispanic Community Health Study/Study of Latinos

Tracy Makuvire, MD, MPH Candidate | BWH

The Global Burden of Ischemic Heart Disease in Females: Data from the 10 Most Populous Low-and Middle-Income Countries

Mariana Ramirez, MD | HMS

Protein Biomarkers of Early Menopause and Incident Cardiovascular Disease

Anna Katharina Bonkhoff, MD | MGH

Sex-specific lesion pattern of long-term functional outcome after stroke

HORMONE

Moderated by: Dawn L. DeMeo, MD, MPH

Yao Xiao, MD | BWH

Recipient sex and estrogen levels affect alloimmune responses and transplant outcomes

Nida Haider, PhD | Joslin Diabetes Center

Sex-specific differential gene expression changes in human -iPS Cell-derived myoblasts

Erik Reiche, MD | BWH/Johns Hopkins (Coon Lab)

Exogenous Testosterone Inhibits Cutaneous Repair An A Murine Gender-Affirming Surgery Model

Leilah Grant, PhD | BWH

Impaired daytime sleepiness and neurobehavioral performance in premenopausal women following experimental sleep fragmentation and hypoestrogenism mimicking menopause

Amanda Koire MD, PhD | BWH

The impact of a web-based behavioral intervention on early treatment adherence to anti-estrogen therapy in women with hormone-receptor positive early-stage breast cancer

METABOLIC

Moderated by: Laura M. Holsen, MS, PhD

Jia Zhu, MD | BWH

Early Metabolic and Androgenic Features of Genetic Risk Factors for Polycystic Ovary Syndrome

Jose Halperin, MD | BWH

Plasma glycated CD59 (pGCD59) as a novel biomarker for gestational diabetes (GDM)

Kyoko Konishi, PhD | MGH

Longitudinal Impact of Midlife Metabolic Health on Memory Function: Role of Sex and Reproductive Aging

Alexander Turchin, MD, MS | BWH

Gender Disparities in Rejection of Statin Therapy and Delays in Achievement of LDL Control among Patients at High Cardiovascular Risk

Jennifer Lee, PhD | BIDMC

Bacteroides thetaiotaomicron has sex-specific effects on the intestinal mucosa and adiposity in Dietary Obese Mice

NEUROSCIENCE

Moderated by: Hadine Joffe, MD, MSc

Marie-Louis Wronski, PhD student | MGH

Differential alterations of amygdala nuclei volumes in acutely ill patients with anorexia nervosa and their clinical and neuroendocrine associations

Dr. Hyeonmin Ahn, PhD | BWH

Sex differences in the association between functional connectivity of reward neurocircuitry during food reward processing following acute psychosocial stress in MDD

Primavera Spagnolo, MD, PhD | BWH

Comorbidity of PTSD, Depression, and Immune System Dysfunction in a large cohort of men and women

Jessica Harder, MD | BWH

BDNF is Inversely Associated with Mood in Perimenopausal Depression

Shadab Rahman, PhD, MPH | BWH

Impact of sleep fragmentation on perceived sleep quality and daytime sleepiness in an experimental model of menopausal sleep fragmentation with normative sleep duration

VIDEO SHOWCASE

Rachel Blair, MD | BWH

Development and Usability of a Text Messaging Program for Women With Gestational Diabetes: Mixed Methods Study

Jessica Busler, PhD | BWH

Sex Differences in the Association of Oxidative Stress with Leptin and Adiponectin

Jaclyn Kline | Harvard University

Sex differences in T cell metabolism

Jose Orejas, MD | BWH

Sex Differences in Airway Mucus Plugs Among Patients with COPD

Jodian Pinkney, MD | MGH

COVID-19 vaccine uptake, vaccine hesitancy and medical mistrust among reproductive-aged women in Jamaica

Jennifer Scott, MD, MPH | BIDMC/BWH

Measuring gender bias in the workplace to improve gender equity in health and humanitarian programming: The Humanitarian Gender Study