

### **National Institutes of Health Main Campus** John Edward Porter Neuroscience Research Center Building 35, Rooms 610/620/630 (and the Atrium) 35 Convent Drive, Bethesda, MD 20892

# **AGENDA**

DAY 1: Thursday, October 26, 2017 Please click the following link to participate virtually on Day 1: <u>https://videocast.nih.gov/summary.asp?live=26050&bhcp=1</u>

8:00 AM	Registration Check-In
8:30 AM - 8:45 AM	Introduction Janine A. Clayton, MD, Director, Office of Research on Women's Health (ORWH), NIH Elizabeth (Betsy) Wilder, PhD, Director, Office of Strategic Coordination (OSC)—The Common Fund, NIH
8:45 AM - 9:30 AM	Keynote Address: Sex-Specific Risk for Cardiovascular Dysfunction and Cognitive Decline Keynote Presenter: Virginia M. Miller, PhD, Mayo Clinic, Rochester, MN
9:30 AM - 11:00 AM	<b>SESSION 1: Sex Differences in Brain Function</b>
	and Behavior Moderator: Paul Barrett, PhD, OSC, NIH
9:35 AM - 9:55 AM	The Influence of Metabolic Syndrome and Sex on the DNA Methylome in Schizophrenia Presenter: <i>Kyle J. Burghardt, PharmD</i> , Wayne State University, Detroit, MI
9:55 AM - 10:15 AM	Sex-Specific Metabolic and Epigenetic Changes in Primary Fibroblasts from Patients with Alzheimer's Disease Presenter: <i>Eugenia Trushina, PhD</i> , Mayo Clinic, Rochester, MN
10:15 AM - 10:35 AM	Sex Differences in Brain Gut Interactions Presenter: <i>Emeran A. Mayer, MD</i> , University of California, Los Angeles, CA
10:35 AM - 10:55 AM	Incorporating Sex as a Biological Variable in Understanding Brain Development Presenter: <i>Margaret McCarthy, PhD</i> , University of Maryland School of Medicine, Baltimore, MD
10:55 AM - 11:15 AM	Networking Break

## 11:15 AM - 12:45 PM SESSION 2: How Sex Impacts Our Interaction with External Influences

Moderator: *Jennifer L. Troyer, PhD*, National Human Genome Research Institute (NHGRI), NIH

- 11:20 AM 11:40 AM Sex Stratification for Obesity and Related Traits in African Populations—H3Africa AWI-Gen Study Presenter: Michèle Ramsay, PhD, University of the Witwatersrand, Johannesburg
- 11:40 AM 12:00 PM Sex Differences in Pain Management Presenter: Anne Z. Murphy, PhD, Georgia State University, Atlanta, GA
- 12:00 PM 12:20 PM Sex Differences in Vaccine-Induced Immune Responses Presenter: *Nicole E. Basta, PhD*, University of Minnesota, Minneapolis, MN
- 12:20 PM 12:35 PM \*Sex Differences in the Endocannabinoid System Determines Differences in Juvenile Rough-and-Tumble Play Behavior and Correlating Differences in Phagoptosis by Microglia in the Developing Amygdala Kathryn J. Argue, PhD, University of Maryland School of Medicine, Baltimore, MD
- 12:35 PM 1:35 PM **Networking Lunch Break** (NIH will not provide any food or drinks, please make your own arrangements.)

### 1:45 AM - <mark>3:00 PM</mark>

Moderator: Colin Fletcher, PhD, NHGRI, NIH

- 1:50 PM 2:10 PM Sex in Perinatal Brain Damage: Why Can't Boys be More like Girls? Presenter: Anna Penn, MD, PhD, Children's National Medical Center, Washington, DC
- 2:10 PM 2:30 PM Control of Autoimmunity by Genes, Sex and the Microbiome Presenter: Jayne Danska, PhD, The Hospital for Sick Children, Toronto
- 2:30 PM 2:50 PM Sex and Mouse Brain Anatomy during Health and Treatment Presenter: Brian Nieman, PhD, The Hospital for Sick Children, Toronto
- 2:50 PM 3:05 PM \*Estrogen Contributes to Sex Differences in M2-Polarization during Asthma Presenter: Aleksander Keselman, PhD, Johns Hopkins University, Baltimore, MD
- 3:05 PM 3:15 PM Group Photo of Speakers with the Workshop Organizers
- 3:05 PM 3:30 PM **Networking Break** (Poster presenters finalize set-up for Poster Session)

# 3:30 PM - 5:30 PM SESSION 4: Poster Session

Moderators: Rajeev K. Agarwal, PhD, ORWH, NIH, and Paul Barrett, PhD, OSC, NIH

SESSION 3: Sex Differences in Animal Models

5:30 PM Day 1 of the Workshop Adjourns

\*Abstracts selected for both Oral and Poster Presentation

DAY 2: Friday, October 27, 2017 Please click the following link to participate virtually on Day 2: <u>https://videocast.nih.gov/summary.asp?live=26054&bhcp=1</u>

8:00 AM	Registration Check-In
8:30 AM - 10:00 AM	SESSION 5: Sex Differences in Gene Expression Moderator: Rajeev K. Agarwal, PhD, ORWH, NIH
8:35 AM - 8:55 AM	<b>UTI Complexity Results from Diversity at the Bacterial-Host Interface</b> Presenter: <i>Scott Hultgren, PhD</i> , Washington University School of Medicine, St. Louis, MO
8:55 AM - 9:15 AM	Sex Differences in Pathogenesis of Urinary Tract Infection Presenter: David A. Hunstad, MD, Washington University School of Medicine, St. Louis, MO
9:15 AM - 9:35 AM	X, Drugs, Rock, an' Roles Presenter: Lauren A. Weiss, PhD, University of California, San Francisco, CA
9:35 AM - 9:55 AM	Sex-Specific Genetic Architecture of the Human Transcriptome Presenter: Barbara Stranger, PhD, University of Chicago, Chicago, IL
9:55 AM - 10:15 AM	Networking Break
10:15 AM - 11:00 AM	SESSION 6: Panel Discussion on the Lessons Learned from Accounting for SABV Moderator: Judy Hewitt, PhD, National Institute of Allergy and Infectious Diseases (NIAID), NIH Panel Members: Emeran A. Mayer, MD, University of California, Los Angeles, CA
	Margaret M. McCarthy, PhD, University of Maryland School of Medicine, Baltimore, MD Virginia M. Miller, PhD, Mayo Clinic, Rochester, MN Brian Nieman, PhD, The Hospital for Sick Children, Toronto Michèle Ramsay, PhD, University of the Witwatersrand, Johannesburg
11:15 AM - 11:30 AM	<b>Closing Remarks</b> <i>James (Jim) M. Anderson, MD, PhD</i> , Director, Division of Program Coordination, Planning, and Strategic Initiatives, Office of the Director (OD), NIH
11:30 AM	2017 SABV Workshop Adjourns
11:45 AM - 12:30 PM	<ul> <li>Round Table Discussion with Speakers [CLOSED SESSION—Open only to Invited Speakers, Moderators, NIH Leadership, and staff members of OSC and ORWH]</li> <li>Interesting topics</li> <li>Future of the field/needs</li> <li>White paper plans to highlight symposium</li> </ul>