

2015 Meeting of the Organization for the Study of Sex Differences Detailed Program

Tuesday, April 21	
7:30-9:00	Breakfast – Berg A
9:00-12:00	WORKSHOP: "How to study sex differences" - Berg B+C
	Chair: Virginia Miller, Mayo Clinic
	Art Arnold, University of California, Los Angeles
	Kathryn Sandberg, Georgetown University
	Jill B. Becker, University of Michigan
	Margaret McCarthy, University of Maryland
	Gillian Einstein, University of Toronto
	Cara Tannenbaum, University of Montréal
	Londa Schiebinger, Stanford University
12:00-13:30	Lunch – Berg A
	Stakeholder Forum hosted by CIHR with participation from NIH-ORWH: <i>Introducing Sex as a Variable in Preclinical Research: Metrics and Evaluation.</i> Participants: Cara Tannenbaum, Janine Clayton (RSVP required) – Berg B

13:30-15:45 Welcome and Introduction: Louise McCullough and Christine Disteche - Berg B+C

PRESIDENTIAL SYMPOSIUM

Chair: Louise McCullough, University of Connecticut

"Policy, Advocacy and Innovation; the Future of Sex Differences Research"

Martha Nolan, Society for Women's Health Research - *The View from Washington:* Importance of Advocacy to Biomedical Research

Londa Schiebinger, Stanford - Gendered Innovations: How sex and gender interact

Janine Clayton, Office of Research on Women's Health, NIH - Sex as IS a Biological Variable

Panel Discussion and Questions/Answers

15:45-16:00	Late-breaking Talk - Berg B+C
16:00-16:15	Break- Berg A
16:15-17:15	KEYNOTE ADDRESS - Berg B+C
	David Page , MIT "Sex and disease: Do males and females read their genomes differently?"

17:30-20:00 POSTER SESSION I - Berg Lobby / Reception - Berg A

Wednesday, April 22	
7:00-8:00	Breakfast – Berg A
8:00-9:00	SPECIAL SESSION sponsored by the Stanford Cardiovascular Institute - Berg B+C
	Jennifer Tremmel Stanford - Angina in the Absence of Obstructive Coronary Artery Disease: Is There Truly a Sex Difference?
9:00-9:30	Break - Berg A
9:30-11:15	SESSIONS I AND II
	SESSION I: "Sex and Vaccines"- Berg B Co-Chairs: Mark Davis, Sabra Klein
9:30	Sabra Klein Johns Hopkins - Sex differences and the effects of sex hormones on vaccine efficacy
10:00	Andrew Pekosz Johns Hopkins - <i>Primary cell cultures as models to identify sex-specific effects on virus replication and host innate immune responses</i>
10:30	Renata Engler University of the Health Sciences - Sex considerations in vaccine safety and efficacy
11:00	David Furman Stanford - Testosterone influences humoral immune responses to the influenza vaccine in males
	SESSION II: "Sex differences in brain networks"- Berg C Chair: Ivanka Savic-Berglund
9:30	Nirao Shah, UCSF - Modular genetic and neural control of sexually dimorphic behaviors
10:00	Sarah Burke, VU University - Sex-typical and sex-atypical white matter microstructure in

	gender dysphoric children and adolescents – a Diffusion Tensor Imaging study
10:30	Jamie Feusner , UCLA- Sex differences in functional brain connectivity and relationships to obsessive-compulsive disorder symptoms
11:00	Elizabeth Young Award: Kristen Pleil, University of North Carolina - Sex-specific effects of chronic voluntary alcohol consumption on limbic neuronal function
11:15-11:30	Break – Berg A
11:30-13:15	SESSIONS III AND IV
	SESSION III: "Sex effects in early adversity"- Berg B Co-Chairs: Julia Zehr, Tracy Bale
11:30	David Lyons, Stanford - Sex differences in the neurobiology of stress inoculation
12:00	Tanja Jovanovic , Emory - Genotype and childhood trauma effects on development of sex differences in biomarkers of fear and anxiety
12:30	C. Neill Epperson , University of Pennsylvania - <i>The role of adverse childhood experiences</i> and lifelong social supports on cognitive aging and risk for depression at menopause
13:00	Elizabeth Young Award: Jessica Bolton, Duke University - Western Diets during Gestation and Lactation: A Novel Model for Postpartum Depression and Sex-Specific Developmental Programming?
	SESSION IV: "Sex effects in cardiovascular diseases" - Berg C Chair: Jill Barnes
11:30	Mansoureh Eghbali, UCLA - Estrogen rescues advanced heart failure in mice
12:00	Leslie Leinwand, University of Colorado, Boulder - A woman is not a small man
12:30	Fadi Charchar , Federation University - Y chromosome: Function and involvement in coronary artery disease
13:00	Soban Umar, UCLA - Genistein, a phytoestrogen for the treatment of pulmonary arterial hypertension and right ventricular failure
13:15-14:15	Lunch – Berg A
	Mentor/Mentee Lunch – Berg B
14:15-16:00	SESSIONS V AND VI
	SESSION V: "Sleep and Sex"- Berg B Chair: David Ehrmann
14:15	Kristen Knutson, University of Chicago - The impact of sleep disturbances on metabolism in

women and in men

14:45	Jessica A. Mong, University of Maryland - Sex differences and the role of estrogen in sleep: what rodents can tell us about mechanism
15:15	Fiona C. Baker, University of the Witwatersrand - <i>Menstrual cycle and menopause:</i> Hormonal modulation of sleep
15:45	David Garbe, University of Pennsylvania - Sex differences in Drosophila sleep patterns
	SESSION VI: "Sex determination, intersex and transsexualism"- Berg C Co-Chairs: Peter Koopman, Fadi Charchar
14:15	Blanche Capel , Duke University - <i>The battle of the sexes: Molecular pathways of male and female development</i>
14:45	Vincent Harley , Monash University - A link between gender identity and genes involved in sex hormone signalling
15:15	Peter Koopman, University of Queensland - <i>DSD advocacy: What can science bring to the debate?</i>
15:45	Elizabeth Young Award: Sahin Naqvi, Whitehead Institute, MIT - Survival on mammalian sex chromosomes is associated with a unique combination of transcription factor binding and microRNA-mediated repression
16:30-18:30	Organized walks: meet at Berg Lobby
18:30	Free time

Thursday, April 23	
7:30-8:30	Breakfast - Berg A
8:30-10:15	SESSIONS VII AND VIII
	SESSION VII: "Epigenetic dynamics of sexual dimorphisms"- Berg B Co-Chairs: Claudine Junien, Carolyn Brown
8:30	Claudine Junien , National Institute For Agricultural Research - Sex-specific epigenetics in transgenerational responses to environmental impacts : facts, gaps and new approaches for prevention and treatment of diseases
9:00	David J. Waxman , Boston University - <i>Mechanisms of growth hormone-regulated, sex-dependent liver gene expression revealed by genome-wide analysis of mouse liver chromatin states</i>
9:30	Carolyn Brown , University of British Columbia - Sex differences in X-linked gene expression: Human genes that escape from X-chromosome inactivation

10:00	Xinxian Deng , University of Washington - Dosage-sensitive transcriptional regulation by histone demethylases encoded by mouse genes that escape X inactivation
	SESSION VIII: "Sex differences in sensory perception and cognition"- Berg C Chair: Katherine Sandberg
8:30	Claire Murphy, San Diego State University/UCSD - Sex differences in taste responses
9:00	Dolores Malaspina , New York University - Olfaction and cognition in schizophrenia cases and healthy controls: sex matters
9:30	Allan Reiss, Stanford - Sex chromosomes, brain development and cognition
10:00	Dena Dubal, UCSF - The X Chromosome Confers Advantage in Alzheimer's Disease
	Durali, a
10:15-10:30	Break – Berg A
10:30-12:15	SESSIONS IX AND X
	SESSION IX: "Sex differences in neurocognitive aging"- Berg B Chair: Agnès Lacreuse
10:30	Naftali Raz , Wayne State University - <i>Aging of Human Brain and Cognition: Measurable Sex differences?</i>
11:00	Agnès Lacreuse , University of Massachusetts - Sex differences in cognitive aging : a pressing need for nonhuman primate data
11:30	Liisa Galea , University of British Columbia - Sex and age differences in the regulation of neuroplasticity and cognition by sex hormones
12:00	Joshua Talboom , Arizona State University - Sex differences in the influence of cognitive training in aged rodents
	SESSION X: "Sex and stress"- Berg C Co-Chairs: Gretchen Neigh, Nafissa Ismail
10:30	Gretchen Neigh , Emory University - Sex differences in susceptibility and resiliency: it all depends on where you look
11:00	Brian Trainor , UC, Davis- Sex differences in effects of stress on the aversive properties of kappa opioid receptor
11:00	Nafissa Ismail, University of Ottawa - The sexed and stressed pubertal brain
12:00	Katie Morrison , University of Pennsylvania - <i>Dynamic sex differences during PFC maturation and their disruption by stress</i>

13:30-15:15	SESSIONS XI AND XII
	SESSION XI: "Sex, Obesity, and Diabetes"- Berg B Chair: Art Arnold
13:30	Karen Reue, UCLA - Sex chromosomes and obesity
14:00	Susan Fried , Boston University - Female and male adipocytes are different: mechanisms and implications for metabolic health
14:30	Franck Mauvais-Jarvis , Tulane University - <i>Sex differences and sex hormones in glucose homeostasis and diabetes</i>
15:00	Elizabeth Young Award: Sanne Peters, University of Utrecht - Greater excess risk of all-cause mortality and vascular events in women than in men with type 1 diabetes: a systematic review with meta-analysis
	SESSION XII: "The X chromosome in neurodevelopmental disorders"- Berg C Chair: William Davies
13:30	Rebecca Knickmeyer , University of North Carolina - <i>The impact of X-chromosome loss on brain structure and function in infancy</i>
14:00	William Davies , Cardiff University - Steroid sulfatase: an X chromosome-encoded modulator of attention and impulsivity phenotypes
14:30	Armin Raznahan , National Institute of Mental Health - <i>The neuroanatomy of X-monosomy and autism spectrum disorders</i>
15:00	Donna Werling , UCSF - Sex-differential gene expression patterns in the human brain and genetic risk for autism
15:15-15:30	Break – Berg A
15:30-16:30	CAPSTONE ADDRESS - Berg B+C
	Sponsored by the Stanford Cardiovascular Institute
	Vera Regitz-Zagrosek , "Sex and sex hormones in physiological and pathological cardiovascular stress – implications to management of human disease"
16:30-18:30	POSTER SESSION II – Berg Lobby
18:30-19:30	General OSSD membership meeting – LKSC Room 120
19:30-22:00	Banquet / Awards - Berg B+C