



ORGANIZATION FOR THE
STUDY OF SEX DIFFERENCES

Founded by the Society for Women's Health Research

2021 Virtual Meeting of the Organization for the Study of Sex Differences Detailed Program

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Monday May 3rd

Open Networking Time Available Online Before the Meeting

7:45a PDT / 10:45a EDT **Welcome** from **Dr. Rhonda Voskuhl**, UCLA / OSSD President and **Opening Remarks** from Dr. Joel Berletch and Dr. Jaclyn Schwarz (OSSD 2021 Program Chairs)

8:00a-9:20a **Session 1:**
PDT **“The Role of the X Chromosome in Sex Differences in Health & Disease”**

Chairs: **Dr. Christine Disteche**, University of Washington, **Dr. Rhonda Voskuhl**, UCLA

11:00a–

12:20p EDT *On the “Nature” of sex and gender research.* **Dr. Cara Tannenbaum**, CIHR, CRIUGM

X chromosome mechanisms shown in immune responses relevant to health and disease.
Dr. Rhonda Voskuhl, UCLA

X-inactivation escapee variation by cell and tissue type: The role in sex differences in health and disease. **Dr. Christine Disteche**, University of Washington

Sex Chromosome Dosage Effects on Gene Expression and Chromosome Organization in Humans. **Dr. Armin Raznahan**, NIMH

9:20a-9:30a PDT / 12:20p-12:30p EDT **Coffee Break**

9:30a-10:30a **SESSIONS 2 and 3**

PDT

12:30p– **Session 2: HOT TOPICS in Sex Difference Research: Cells and Molecules**

1:30p EDT

Chair: **Dr. Maarouf Baghdadi**, Max Planck Institute for Biology of Aging

Sex, Mitochondria and Fat Metabolism

Dr. Karthickeyan Chella Krishnan, UCLA

Sex-specific molecular adaptations of the blood-brain barrier promote stress resilience vs depression. **Dr. Caroline Menard**, Université Laval, Quebec, Canada

Session 3: HOT TOPICS in Sex Difference Research: Genetics and Important Data Sets

Chair: **Dr. Francisco Garcia-Garcia**, Prince Felipe Research Center

Big data approaches to detect and understand sex and gender differences in health.

Dr. Francisco Garcia-Garcia, Prince Felipe Research Center, Spain

Early life stress increases the retrotransposon, Line1, within developing brain in a sex-dependent manner.

Dr. Amelia Cuarente, University of Wisconsin-Madison

Neonatal Nutrition and Growth-Does Sex Matter? **Dr. Pradeep Alur**, University of Mississippi Medical Center

10:30a-11:30a PDT / 1:30p-2:30p EDT

Coffee and Networking w/ Roundtables

11:30a-12noon PDT / 2:30p-3:00p EDT

DATA BLITZ 1



Highlighting Award Winners and their Data



12:00p-1:00p PDT / 3:00p-4:00p EDT

Lunch on your own OR

EDUCATION EVENT “Integrating Sex and Gender into Research: Emphasizing approach, novelty and impact” Panel Q&A

Open to All

Chairs: **Dr. Sofia Ahmed**, University of Calgary and **Dr. Kristen Zuloaga**, Albany Medical College

The Panelists:

Dr. Art Arnold, UCLA

Dr. Liisa Galea, University of British Columbia

Dr. Michelle Mielke, Mayo Clinic

Dr. Sarah Richardson, Harvard University

1:00p-2:30p PDT / 4:00p-5:30p EDT

POSTER SESSION I including Posters # 1-75 (see directory on p.11-15)

Open Networking Time Available Online

End of Day 1

Tuesday May 4th

Open Networking Time Available Online Before the Meeting

7:45a PDT Introduction to the Keynote Address by **Dr. Rhonda Voskhul**, UCLA / OSSD President

8:00a-9:00a PDT / 11:00a-12noon EDT

KEYNOTE ADDRESS from the
Arthur Arnold Distinguished Lecturer

Dr. Janine Clayton, NIH, Director ORWH

*The Ultimate Goal:
Advancing Science to Improve the Health of Women*



9:00a-9:30a PDT / 12noon-12:30p EDT **Coffee Break and Chat w/ Roundtables**

9:30a-10:30a PDT **SESSIONS 4 and 5**

12:30p-

1:30p EDT

Session 4: “Sex-Specific Therapies and Therapeutic Outcomes across Various Diseases”

Chair: **Dr. Katelyn Bruno**, Mayo Clinic

Sex differences in cardio-oncology: utilizing a genetic variant as a therapeutic target for doxorubicin-induced cardiomyopathy **Dr. Katelyn Bruno**, Mayo Clinic

Prohibitin: A potential target for sex-based new therapeutics for metabolic and immune diseases. **Dr. Suresh Mishra**, University of Manitoba

Combination of aromatase inhibitor exemestane and carboplatin-based therapy for postmenopausal women with advanced non-small cell lung cancer. **Dr. Patricia Young**, UCLA

Sex-specific studies in Parkinson's disease models for the repurposing of the gonadal drug Dutasteride. **Amandine Isenbrandt**, Laval University, Quebec

Session 5: “Cardiovascular Health Across the Lifespan in the Transgender Person”

Chair: **Dr. Sofia Ahmed**, Libin Cardiovascular Institute of Alberta and University of Calgary

Overview: Gender Identification and Personalized Medicine, **Dr. Sofia Ahmed**

Navigating the Cistem, **Cris Morillo**, Calgary, Canada

Cardiovascular Health in Transgender People: What is the evidence and what data are we missing? **Dr. Carlos Morillo**, Libin Cardiovascular Institute of Alberta and University of Calgary

Trans: Reflective of Individual Attempt to Remedy Brain Connectivity Imbalance and Not a Gender Dysphoria Symposium. **Castalia Francon**, CT

10:30a-11:00a PDT / 1:30p-2:00p EDT

DATA BLITZ 2



Highlighting Award Winners and their Data



11:00a-12:30p PDT / 2:00p-3:30p EDT

Lunch on your own OR

A lunchtime WORKSHOP: SABV 101 – CVD, Immune Function and Stroke

Chair: **Dr. Art Arnold**, University of California, Los Angeles

Dr. Louise McCullough, McGovern Medical School, UT Health Science Center
Sex differences in stroke.

Dr. Jayne Danska, Hospital for Sick Children and University of Toronto
In sickness and in health: Sex effects on immunity

Dr. Karin Schenck-Gustafsson, Karolinska Institute
Sex and Gender differences in Cardiovascular Health and Disease: Impact on clinical care.

12:30p-2:00p PDT / 3:30p-5:00p EDT

POSTER SESSION II including Posters # 76-148 (see directory on p.16-21)

2:00p PDT - / 5:00p EDT –

Evening Social Event (*open to all*)

Open Networking Time Available Online

End of Day 2

Wednesday May 5th

Open Networking Time Available Online Before the Meeting

8:00a-9:00a PDT **Special Session: "Sex and Gender Differences in COVID-19"**
Chair: **Dr. Sabra Klein**, Johns Hopkins University

11:00a-
12:00p EDT *Sex differences in COVID-19 from hamsters to humans.*
Dr. Sabra Klein, Johns Hopkins University

The gendered impacts of COVID-19 and the need for a gender responsive pandemic plan.
Dr. Rosemary Morgan, Johns Hopkins University

The clinical spectrum of COVID-19: sex, gender and disease susceptibility. **Dr. Eileen Scully**, Johns Hopkins University

9:00a-9:15a PDT / 12noon – 12:15p EDT

Coffee Break

9:15a-10:15a PDT / 12:15p-1:15p EDT

Introduction to the Capstone lecture with Dr. Jaclyn Schwarz

CAPSTONE LECTURE

Dr. Roberta Brinton

Director, University of Arizona Center for
Innovation in Brain Science
University of Arizona Health Sciences

*Tipping Points for Late-Onset Neurodegenerative Disease:
Sex Differences in Mid-Life Aging.*



10:15a-10:30a PDT / 1:15p-1:30p EDT

Coffee Break

10:30a-11:50a PDT **SESSIONS 6 and 7**

1:30p-
2:50p EDT **Session 6: "Sex and Gender Differences in E-cigarette Use and Toxicity"**

Chairs: **Drs. Meghan E. Rebuli**, University of North Carolina, Chapel Hill and **Patricia Silveyra**, Indiana University School of Public Health

Gender differences in perceived stress and e-cigarette use across adolescence.
Dr. Jessica L. Barrington-Trimis, USC Keck School of Medicine

LGBT E-cigarette use and exposure to advertisements on traditional and social media.
Dr. Kristen Emory, San Diego State University

Sex-Specific Effects of Nicotine Exposure: Differences between e-cigarette vapor inhalation and intravenous nicotine self-administration. **Dr. Valeria Lallai**, University of California, Irvine

Sex-dependent effects of E-cigarette in combination with other tobacco use on sleep quality.
Dr. Laura Crotty Alexander, UC San Diego School of Medicine

Session 7: HOT TOPICS in Sex Difference Research: Aging and Physiological Processes

Chair: **Dr. Rachel Buckley**, Massachusetts General Hospital, Harvard Medical School

Sex differences in the rates of cognitive decline associated with in vivo tau burden: Findings from the Harvard Aging Brain Study. **Dr. Rachel Buckley**, Massachusetts General Hospital, Harvard Medical School

Sex-Specific Role of Neuronal Insulin Signaling in Mammalian Longevity.
Dr. Maarouf Baghdadi, Max Planck Institute for Biology of Aging, Cologne, Germany

Are Sex Chromosomes the Key to Discovering Novel Therapies for Pulmonary Hypertension? Y Not! Christine M. Cunningham, UCLA

11:50a-1:00p PDT / 2:50p-4:00p EDT

Lunch on your own OR

Mentor-Mentee LUNCH

(Open to all trainees)

Organizer: **Dr. Brittany Osborne**, CHOP / University of Pennsylvania

TOPICS INCLUDE...

Antoniette Maldonado-Devincci & Karen Frick- Networking and Mentorship: Strategies for Success

Kristen Zuloaga & Kathleen Morrison- Work/life Balance: Why it's Important and How to Set Healthy Boundaries

Kathryn Sandberg & C. Noel Bairey Merz- Career Planning: Transferable Skills for Jobs Outside of Academia

Nafisa Jadavji & Heather Brenhouse- Aligning Expectations with Your Advisor: Tips on Communication

Debra Bangasser & Patricia & Silveyra- Promoting Diversity, Equity, and Inclusion for the Individual and the Institution

Donna Maney & Joshua Rubin- How to Promote Sex as a Biological Variable to Colleagues and Mentors

Troy Roepke- Health Equity Issues for Transgender or Other Gender People: How to be an Ally

1:00p-2:20p PDT **SESSIONS 8 and 9**

4:00p–
5:20p EDT **Session 8: “Estrogen and cognitive brain functions: sex, conflict and complexity”**

Chair: **Dr. Tallie Z. Baram**, University of California, Irvine

Sexually dimorphic synaptic plasticity in hippocampal networks critical for spatial memory.
Dr. Christine M. Gall, University of California, Irvine

Blocking Estrogen Protects Female and Male Mice from Acute Stress-Induced Memory Deficits. **Dr. Tallie Z. Baram**, University of California, Irvine

Sex differences in neurological disease: what the mice are telling us.
Dr. Helen Scharfman, New York University

Stress-Related Mental Health and Ruminative Thoughts in Women. **Dr. Tracey Shors**, Rutgers University

Session 9: “Multifactorial Determinants and Insights into Sex Differences in the Regulation of Energy Homeostasis”

Chair: **Dr. Edward Wagner**, Western University of Health Sciences

Sex Differences in, and dietary influences on, cannabinoid regulation of energy homeostasis.
Dr. Edward J. Wagner, Western University of Health Sciences

Sex disparate gut microbiome and metabolome perturbations precede disease progression in a mouse model of Rett Syndrome. **Dr. Janine LaSalle**, University of California, Davis

Sex differences in the drinking response to angiotensin II.
Dr. Jessica Santollo, University of Kentucky

Sex differences in the development of insulin resistance in hypothalamic neurons.
Dr. Jian Qiu, Oregon Health and Science University

2:20p-3:15p PDT **OSSD Membership and Business Meeting** (Open to All)

5:20p-6:15p EDT Dr. Rhonda Voskuhl, UCLA, OSSD President

AWARDS RECEPTION

Honoring all award recipients, and announcing the
Florence P. Haseltine Best Poster Award competition winners.

Open Networking Time Available Online

End of Day 3

Thursday May 6th

Open Networking Time Available Online Before the Meeting

8:00a-9:20a PDT **SESSIONS 10 and 11**

11:00a–

12:20p EDT **Session 10: “Sex Differences in Aging – Why Women Live Longer or Does it Just Seem Longer?”**

Chairs: **Dr. C. Noel Bairey Merz**, Cedars-Sinai Medical Center and **Dr. Karin Schenck-Gustafsson**, Karolinska Institute

Comparative biology of sex & longevity. **Dr. Steven N. Austad**, University of Alabama at Birmingham

The X chromosome, Aging and Neurodegenerative disease. **Dr. Dena Dubal**, University of California, San Fransisco

Sex and Gender differences in cognitive aging and risk of Alzheimer’s Disease.
Dr. Michelle M. Mielke, Mayo Clinic College of Medicine

Sex differences in the mechanisms of cardiovascular aging. **Dr. Michael D. Nelson**, University of Texas at Arlington

Session 11: “Overlooked no more: The modulating effect of sex on the transmission, pathogenesis, pharmacotherapy and complications of HIV/AIDS”

Chairs: **Dr. Gretchen Neigh**, Virginia Commonwealth University, and **Dr. Cecile Lahiri**, Emory University Grady Hospital

From acute HIV infection to chronic HIV disease: The role of sex hormones in HIV transmission and disease progression in women and men. **Dr. Eric Hunter**, Emory University

An Uneven Playing field: HIV Biomedical Prevention in Women and Men.
Dr. Karen Hoover, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention

What’s sex got to do with it? Sex differences in the action and efficacy of antiretroviral therapy. **Dr. Mackenzie Leigh Cottrel**, UNC Chapel Hill

Sex differences in HIV-host pathogen interactions – a driving force behind the disparity in HIV-associated end-organ damage in women and men. **Dr. Igbo Ofotokun**, Emory University

9:20a-9:30a PDT **Coffee Break**

9:30a-10:50p PDT **SESSIONS 12 and 13**

12:30p–

1:50p EDT **Session 12: “Differences of Sex Development: A window into sex and gender development”**

Chairs: **Dr. Natalie Nokoff**, University of Colorado Anschutz Medical Campus and **Dr. Eric Vilain**, GW Children’s National Medical Center

Introduction: Understanding Differences of Sex Development. **Dr. Courtney Finlayson**, Northwestern Feinberg School of Medicine, Lurie Children's Hospital

Modern Genetic Approaches to DSD. **Dr. Emmanuèle Délot**, The George Washington University

Psychosocial outcomes in DSD and the impact of sex steroids on the brain.
Dr. David Sandberg, University of Michigan

Session 13: "Sex differences in mitochondria in health and disease"

Chairs: **Dr. DeLisa Fairweather**, Mayo Clinic and **Dr. Michael Coronado**, Whitman College

Sex differences in mitochondrial function- an overview. **Dr. Renee Ventura-Clapier**, Université Paris-Sud, Châtenay-Malabry, France

Maternal vs. paternal inheritance of mitochondria. **Dr. Paldeep Atwal**, The Atwal Clinic, Jacksonville, FL

Mitochondrial Fission is a Male-specific Response to Exercise Training and Energetic Stress.
Dr. Michael Coronado, Whitman College

Sex-specific stress adaptation and mitochondrial function in Drosophila. **Dr. John Tower**, University of Southern California

10:50a-11:00a PST **Coffee Break**

11:00a-12:30p PDT **Elizabeth Young New Investigator Award Symposium**

2:00-3:30p EDT

Co-Chairs: **Drs. Kathryn Lenz** and **Farrah Madison**



Myeloid-Derived Suppressor Cell Sexual Dimorphism Promotes Glioblastoma Progression in Females via IL-1 β Signaling. **Dr. Defne Bayik**, Lerner Research Institute, Cleveland Clinic

Sex-specific Effects of Ventral Hippocampal Egr1 Expression on Neuronal Transcriptional Programs and Behavior. **Devin Rocks**, Fordham University

Female-specific Susceptibility to Cardiac Arrhythmias in Refed-food-restricted Rats.
Dr. Aline M. A. de Souza, Georgetown University

Sex-specific regulation of the adipokinetic hormone signaling pathway maintains the male-female differences in fat metabolism. **Lianna Wat**, University of British Columbia

12:30p-1:30p PDT / 3:30p-4:30p EDT

Networking and Social Lunch Hour

1:30p-2:50p PDT **SESSIONS 14 and 15**

4:30p–

5:50p EDT **Session 14: “Neuroimmune Activity in Adolescence: Are sex differences all about puberty?”**

Chair: **Dr. Heather Brenhouse**, Northeastern University

Impacts of early life adversity on neurostructural development and cognition: A role for sex-dependent neuroimmune priming. **Kelsea Gildawie**, Northeastern University

Adolescent Stress Sensitizes the Adult Neuroimmune Transcriptome and Leads to Sex-specific Microglial and Behavioral Phenotypes
Dr. Gretchen Neigh, Virginia Commonwealth University

Sex-specific immune mechanisms guide adolescent neural and social development.
Dr. Ashley Kopec, Albany Medical College

Sex differences in the enduring effects of pubertal immune challenge and in the response to probiotic treatment. **Dr. Nafissa Ismail**, University of Ottawa

Session 15: “Sex Differences in the Neurobiology of Addictive Disorders: Clinical Implications”

Chair: **Dr. Aimee McRae-Clark**, Medical University of South Carolina

Women & Alcohol: What does stress have to do with it?
Dr. Sherry McKee, Yale University

Stress, gender and opioid use disorders. **Dr. Kathleen Brady**, Medical University of South Carolina

Women and weed: Do sex, gender and stress matter? **Dr. Aimee McRae-Clark**, Medical University of South Carolina

Sex Differences in the Incubation of Cocaine Craving.
Dr. Sunila Nair, University of Washington

Open Networking Time Available Online After the Meeting

End of the OSSD 2021 Virtual Meeting. See you next year at OSSD 2022!

OSSD 2021 POSTER SESSION ONE DIRECTORY for Monday May 3rd

Poster Table Number	Name	Title
1	Yasir Abdul	Sex Differences in Brain Microvascular Endothelial Cell Death Pathways: Impact of Hypoxia, Diabetes and Hemin
2	Samira Abdulai-Saiku	The Paternal, Compared to Maternal, X Chromosome Increases Overall Neural Transcription and Enhances Resilience to Alzheimer's Disease Toxicity
3	Charly Abi-Ghanem	THE IMPACTS OF MENOPAUSE ON A MOUSE MODEL OF CO-MORBID METABOLIC SYNDROME AND ALZHEIMER'S DISEASE
4	Shuang Zhou	US Women's Participation in Clinical Trials of Antiretroviral Treatments for HIV Infection
5	Onder Albayram	Sex-Associated Difference in Mitochondrial Stress Response following Traumatic Brain Injury
6	Saleema Allana	Sex Differences in the Components of Prehospital Delay Time among Acute Coronary Syndrome Patients in Pakistan
7	Sydney Ashton	A Novel Assay for Assessing Motivation for Social Interaction in Juvenile Rats
8	Rozeta Avetisyan	X-linked histone demethylase Kdm5c dosage influences adiposity and energy balance
9	Lena Sialino	The Sex Difference In Physical Functioning: How Do Risk Factors Contribute?
10	Zahra Azizi	The Association between Sex, Gender and Health Status of Stroke Survivors in the Canadian Population
11	Myriam Berube	How Internship Supervisors Talk About the Occupational Health and Safety (OHS) of Trainees: a Sex and Gender Lens
12	Cindy Barha	Walking for Brain Health: The Effects of Previous Parity on Exercise Efficacy in Older Age
13	Mahmoud Bitar	Sex differences in androgenic regulation of mouse major urinary proteins
14	Defne Bayik	Sex Differences in Gamma-Aminobutyric Acid (GABA) Signaling Through Myeloid-Derived Suppressor Cells Inform Glioblastoma Outcome
15	Sarah Beamish	Examining ubiquitin proteasome system function following object training in male and female mice.
16	Maria Bent	Sex, Age & Ethanol: Impacts on Blood Ethanol Concentration & Sedation in DBA/2J Mice
17	Ravi Bhatt	Integrated Multimodal Brain Signatures Predict Sex-Specific Obesity Status

Poster Table Number	Name	Title
18	Mary Beth Bielicki	Development of Circuits Underlying Context Fear Conditioning: Ex-vivo Diffusion Tensor Imaging
19	Andrew Fancher	Comparing Sex Specific Outcomes following Medial Patellofemoral Reconstruction for Patella Instability: A Systematic Review
20	Justin Bourgeois	Sex-specific effects of late adolescent morphine exposure on adult thermal nociception
21	Kate Bourne	Female Patients with Postural Tachycardia Syndrome have Reduced Quality of Life Compared to Male Patients: Insights from a Cross-Sectional Community-Based Survey.
22	Heather Bradshaw	Sex differences in serum levels of endogenous cannabinoids and CB metabolites before and after treatment with THC, CBD, or THC:CBD
23	Elizabeth Braithwaite	Breast may not always be best: Moderation of effects of postnatal depression by breastfeeding and infant sex
24	Michaela Breach	Prenatal allergic inflammation programs sex-specific alterations in the neonatal neuroimmune milieu and forebrain dendritic spine patterning
25	Maria Càspedes	A Novel Computational Approach to Assess Housekeeping Genes Expression Profiling from a Sex Perspective
26	Andrea Carson	Out of Sight, Out of Mind? How the Failure to Adequately Address and Support the Discontinuation of Infertility Treatment Harms Women
27	José Català-Senent	Sex-based Differences in Multiple Sclerosis: A Systematic Review and Meta-Analysis of transcriptomic studies
28	Adolfo López-Cerdán	Unveiling sex-based differences in Parkinson disease: a comprehensive functional meta-analysis of transcriptomic studies
29	Davide Cirillo	The Bioinfo4Women programme at the forefront of research in sex and gender differences in biomedicine and AI
30	Justine Cohen	Impact of Reproductive Aging and Major Depression on Sex Differences in Resting State Activity in the Brain
31	Rene Coig	A Metabolomic Study of Sex Variation in Drosophila melanogaster
32	Claire Corbett	Investigating Neuroadaptations in the Basolateral Amygdala Underlying Sex Differences in Cue-Induced Cocaine Craving

Poster Table Number	Name	Title
33	Laura Cortes	Epigenetic Regulation of Sex Differences in Cell Phenotype
34	Naima Covassin	Sex-specific Effects of Experimental Sleep Restriction on Ambulatory and Sleep Blood Pressure
35	Madalyn Critz	Early life adversity reveals sex-specific outcomes in rebound feeding in adolescent mice
36	Monica De Paoli	Investigating The Role Of Sex Hormones On The Molecular Mechanisms That Modulate Pancreatic Cell Health And Function.
37	Matthew LaViola	Prefrontal neuronal encoding of threat-related stimuli across the estrous cycle
38	Daniel Deegan	The sexy heart: sex-specific differences during mouse cardiac development
39	Chantal Rytz	Serum Estradiol Levels and Cardiovascular Risk Associated with Gender-Affirming Hormone Use in Transgender Women: Protocol for a Systematic Review and Meta-Analysis
40	Camila Demaestri	Sex-Differences in Threat Anticipation and Related Circuitry as a Consequence of Early Life Adversity
41	Rubee Dev	Identification of Gender-related Variables Impacting Cardiovascular Health in Low-and Middle-Income Countries
42	Diana Di Iorio	The Role of Sex Hormones in Plaque Instability in Men and Women with Carotid Disease
43	Laurence Dion-Albert	Sex-specific blood-brain barrier dysfunction and vascular biomarkers underlie chronic stress and human depression
44	Anthony Mok	Sex Related Outcomes Following Anterior Cruciate Ligament Reconstruction (ACLR): A Systematic Review and Meta-Analysis
45	Courtney Dye	Microglia Depletion Promotes The Sensitization Of Maternal Behavior In Adult Female Virgin Rats
46	Melise Edwards	RNA sequencing reveals effects of aromatase inhibition on hippocampal gene expression in the common marmoset
48	Philip Enyan	Drug Resistance Among women attending antenatal clinics in Ghana
49	Lucia Fantin	Sex-based differences in Pancreatic Ductal Adenocarcinoma: A Systematic Review and Meta-analysis of Transcriptomics Studies

Poster Table Number	Name	Title
50	Carson Finger	Increased Macrophage predominant Cardiac Inflammation in Aged female mice: The niche for Atrial Fibrillation?
51	Aaron Fleischer	Behavioral and molecular effects of long-term oral treatment with a novel estrogen receptor alpha agonist in young ovariectomized mice
52	Sergi Freixas	Sex Differences in Glucose and Glutamine Metabolism. Implications for Diabetic Kidney Disease
53	Olivia Gannon	Effects of Menopause on Vascular Contributions to Cognitive Impairment and Dementia
54	Yesenia Garcia	Evaluating Claims of Sex Differences in the Biological Sciences
55	Laura Giacometti	Estrous Cycle-Dependent Modulation of Stress-Induced Reinstatement of Reward Seeking
56	Janace Gifford	Regional Differences in Various Risk Factors for Postpartum Depression: Applying Mixed Models to the PRAMS Dataset
57	Kelsea Gildawie	Sex-specific neurostructural and cognitive consequences of early life adversity: Mediating effects of microglia
58	Rachel Gilfarb	Effects Of Reproductive Experience On Acute Neuroimmune Outcomes Following Traumatic Brain Injury In Mice
59	Nick Giusti	Psychological Burnout and Age of Sport Specialization: A Profile for Current NCAA Big 12 Student-Athletes
60	Amédé Gogovor	A Systematic Review of Sex and Gender Considerations in Reporting Guidelines of Health Research
61	Lisa Golden	Parent-of-Origin Differences in DNA Methylation of X Chromosome Genes in T Lymphocytes
62	Lauren Granata	Sex-specific effects of early life adversity on the development of vocal communication and adolescent social play behavior
63	Aalya Hamouda	Correction of Age-Related Overactive Bladder Using p75NTR Antagonism in Both Sexes
64	Lauren Harburger	The effects of video game use on spatial ability and object memory in men and women
65	Vincent Harley	SRY as a potential therapeutic target for men with Parkinson's Disease
66	Matthew Herbst	Silencing Shock-Elicited Firing In The Ventral Hippocampus During Trace Fear Conditioning Alters The Profile Of Learned Fear Responses In Male And Female Rats.

Poster Table Number	Name	Title
67	Travis Hodges	Chronic stress effects on negative cognitive bias and neuroinflammation in male and female rats
68	Rachael Hokenson	Surprising Contribution of Physiological Fluctuating Estradiol Levels to Memory Deficits provoked by Acute, Multimodal Modern-life like Stresses
69	Molly Hyer	Chronic adolescent stress induces a PTSD-like phenotype in adult female rats predicted by electrodermal activity
70	Lauren Jackman	Sex Hormones Across the Lifespan Increase Risk of Depression and Anxiety Disorders Among Women
71	Nafisa Jadavji	Dietary folic acid deficiency impacts hippocampal morphology and cortical acetylcholine metabolism and cortical apoptosis in a sex dependent manner in adult male and female mice
72	Jessica Jones	The Ratio of MDSCs and pDCs in Male and Female Systemic Lupus Erythematosus as a Function of Sex Hormones
73	Julia Kearley	Menstrual Cycle and Hormonal Contraceptive Effects on Spatial Pattern Separation
74	Sarah Kheloui	Cognitive Functioning: An Integrated Sex and Gender Perspective
75	Ryan King	Primary Care Physician Services for Preventive Care of Heart Disease. Is there a Gender-Based Difference?

OSSD 2021 POSTER SESSION TWO DIRECTORY for Tuesday May 4th

Poster Table Number	Name	Title
76	Melissa Knouse	Functional Sex Differences in Glutamate Trafficking and Their Potential Role in Cocaine Addiction-Like Behavior
77	Kristen Kocher	Paucity and disparity of publicly available sex-disaggregated data for the COVID-19 epidemic continue to hamper evidence-based decision-making
78	Kyoko Konishi	Association Between Telomere Length and Early Midlife Memory Function: Impact of Sex, Reproductive Aging, and Cardiovascular Disease
79	Marija Kundakovic	Epigenetic effects of sex and early-life stress on cocaine addiction vulnerability
80	Danica Chang	Uterine Bleeding and Contraceptive Use in Chronic Kidney Disease: A Sex-Specific Cardiovascular Risk Factor
81	Adolfo López-Cerdán	Functional signatures in Alzheimer disease: systematic review and meta-analysis of sex-based differences in transcriptomics studies
82	Miranda Langrehr	Sex Differences in CRF-Binding Protein in the Medial Septum of Male and Female Rats
83	Zhi Zhang	Estrogen-sensitive neurons in the medial preoptic area coordinate torpor in mice
84	Juyeun Lee	Sex hormones regulate tumor growth by modulating T cell function in pre-clinical mouse glioblastoma models
85	Bonnie Lee	The Impact of Motherhood and APOEε4 Genotype on the Aging Hippocampus
86	Elise Lemanski	Effect of prenatal ZIKV infection on later-life neurogenesis in the brain
87	Timothy Lipuma	Naturalistic sleep observation during variable stress in mice
88	Antoniette Maldonado-Devincci	Adolescent female mice exposed to intermittent alcohol show sex-specific changes in anxiety-like and alcohol drinking behavior
89	Yellow Martin	Androgen Action Within the Vomeronasal Organ Contribute to the Sexual Differentiation of the Brain and Behaviour
90	Megan Massa	Physiological Sex Difference and Neuronal Compensation for Estrogenic Effects in a Novel Node of the Feeding Circuit

Poster Table Number	Name	Title
91	Elizabeth McAuley	The effect of neuroimmune dysregulation on dopamine receptors and social play behaviors of male and female juvenile rats
92	Bryan McElroy	Sex Differences and the Role of the 5-HT System in Ethanol Consumption and Motivation
93	Kelly McGill	The Interaction of Sex and Age Affects Immune Cell Proportions
94	Bria Mele	The Impact of the COVID-19 Pandemic on the Healthcare Workforce as a Function of Gender: A Mixed Methods Study
95	Pablo Merlo	MetaFun: a web-based tool for comprehensive statistical meta-analysis of sex differences in omics studies
96	Cassandra Meyer	NEUROPROTECTIVE MECHANISMS UNDERLYING MITIGATION OF CEREBRAL CORTEX ATROPHY BY ESTRIOL TREATMENT
97	Jose Antonio Milán	A Consensus Transcriptional Landscape of Sex Differences in Coronary Artery Disease
98	Julia Mitchell	Behavioral and Neural Modulators of Conditioned Fear Responses in Male and Female Rats
99	Ariana Doody	The Role of Sex and The Gut Microbiome in a Rodent Model of Depression
100	Anthony Mok	The Influence of Patient Sex on Outcomes Following Surgical Treatment of Osteochondritis Dissecans Lesions of the Elbow: A Systematic Review
101	Pablo Monterroso	The male excess in brain tumor incidence is fairly consistent by age at diagnosis and race/ethnicity
102	Di Nguyen	The post-mortem interval (PMI) influences sex differences in the human transcriptome
103	Brittany Osborne	Sex Differences in the Peripheral Immune Response to Lipopolysaccharide in a CRISPR Rat Model of GR Binding Site Deletion on the S1PR3 Gene
104	Morgan Patrick	Effect of Female Sex Hormones levels in Traumatic Brain Injury Induced Cognitive Decline

Poster Table Number	Name	Title
105	Lynnea Perez	Hypothalamic N/OFQ Neurons Regulate Appetite Through Their Actions Within the Homeostatic Energy Balance Circuitry
106	Thanh Phung	Effects of Sex and Androgen Status on Sexual Reward in Male and Female Mice
107	Neelam Punjani	EXPLORATION OF ADOLESCENT GIRLS' EXPERIENCES OF DEVELOPING SEXUALITY IN RELATION TO PSYCHOLOGICAL WELL-BEING - AN INTERPRETIVE DESCRIPTION APPROACH
108	Wansu Qiu	Oxytocin Treatment Increased Neurogenesis in a Sex-dependent Manner and Ameliorated Maternal Corticosterone Effects in Adult Offspring
109	Alicia Quihuis	Longitudinal cognitive assessment of sex differences in a rodent model of Alzheimer's disease in the TgF344-AD rat.
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117	Lisa Robison	Sex differences in metabolic and hypothalamic disturbances in the 3xTg-AD mouse model of Alzheimer's disease across the lifespan

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