



Agenda

***Please note that the times presented are in Central Time (CT).

Tuesday, May 25, 2021

Time ***Central Time (CT)	Event
8:45 am – 9:00 am	Welcome and Introductions: Dan Frigo (University of Texas MD Anderson Cancer Center) & Eric Prossnitz (University of New Mexico)
9:00 am – 9:30 am	Keynote Address: Donald McDonnell (Duke University School of Medicine) <i>“If We Knew Then What We Know Now, What We Would Have Done Differently to Exploit Nuclear Receptors as Drug Targets”</i>
9:30 am – 9:45 am	Discussion
9:45 am – 12:00 pm	Nuclear Steroid Receptor Regulation of Macrometabolism Discussion Leaders: Gian Paolo Rossi (University of Padova) & Sayeepriyadarshini Anakk (University of Illinois)
9:45 am – 10:00 am	Adriana Maggi (University of Milan) <i>“Liver Estrogen Receptors and Metabolic Function”</i>
10:00 am – 10:15 am	Carolyn Cummins (University of Toronto) <i>“Glucocorticoid-induced obesity is mitigated by LXRβ in mice”</i>
10:15 am – 10:30 am	Andrea Hevener (UCLA) <i>“Estrogen Regulation of Insulin Actions”</i>
10:30 am – 10:45 am	Joint Discussion
10:45 am – 11:00 am	Break
11:00 am – 11:15 am	Sheng Wu (Johns Hopkins University) <i>“Nuclear and Extranuclear Hepatic Androgen Receptor Action in Insulin Resistance in Females”</i>
11:15 am – 11:30 am	Brian Feldman (UCSF) <i>“The glucocorticoid receptor links food consumption to adipocyte stem cell activity”</i>

11:30 am – 11:45 am	Wen Xie (University of Pittsburgh) <i>“Sex and Tissue-specific Roles of Estrogen Sulfotransferase and Steroid Sulfatase in Energy Metabolism”</i>
11:45 am – 12:00 pm	Warren Thomas (Royal College of Surgeons in Ireland) <i>“Aldosterone regulation of renal Na⁺ reabsorption via novel protein kinase D isoforms”</i>
12:00 pm – 12:15 pm	Joint Discussion
12:15 pm – 1:00 pm	Break
12:15 pm – 1:00 pm	ROUNDTABLE DISCUSSION (to take place on the virtual platform): Science Policy Fellowships – learn about FASEB and FASEB member society-sponsored fellowship opportunities for students and postdocs interested in pursuing a career in science policy. Will include discussion about upcoming openings for U.S. citizens as well as non-citizens, skills that are transferable, and tips for applicants. HOST: Yvette Seger, PhD, FASEB Director of Science Policy
1:00 pm – 3:15 pm	Clinical Aspects of Therapies Targeting Steroid Hormone Receptors Discussion Leaders: Jay Gertz (Huntsman Cancer Institute/University of Utah School of Medicine) & Martin Wehling (University of Heidelberg)
1:00 pm – 1:15 pm	Iris Jaffe (Tufts University) <i>“Vascular MR: Evolutionary Mediator of Wound Healing Turned Harmful by Our Modern Lifestyle”</i>
1:15 pm – 1:30 pm	James Pru (University of Wyoming) <i>“PGRMC1 and PGRMC2 Functions in Uterine Physiology and Disease”</i>
1:30 pm – 1:45 pm	Paul Davis (Albany Medical College, NanoPharmaceuticals LLC) <i>“Targeting non-genomic thyroid signaling for the treatment of glioblastoma”</i>
1:45 pm – 2:00 pm	Joint Discussion
2:00 pm – 2:15 pm	Break
2:15 pm – 2:30 pm	Wilbert Zwart (Netherlands Cancer Institute) <i>“Cistromics in Clinical Trials: From Markers to Mechanisms”</i>
2:30 pm – 2:45 pm	Mathieu Lupien (University of Toronto) <i>“Epigenetics of Hormone-dependent Cancer”</i>
2:45 pm – 3:00 pm	Lightning round of selected 3-minute poster abstracts: Florian Le Billan (University of Toronto) <i>“The nuclear receptor coregulator ARGLU1 potentiates glucocorticoid-induced insulin resistance and type 2 diabetes”</i> Alicia Arredondo Eve (University of Illinois at Urbana-Champaign) <i>“Identification of diagnostic plasma biomarkers of coronary microvascular disease in postmenopausal women using machine learning methods”</i>

	<p>Ximena Calle Chalco (Advanced Center for Chronic Diseases (ACCDiS), Faculty of Chemical & Pharmaceutical Sciences, University of Chile) <i>"17-β estradiol regulates MULL1 and cardiomyocyte hypertrophy"</i></p> <p>Innocence Harvey (Pennington Biomedical Research Center (LSU)) <i>"Artemisia scoparia Attenuates Glucocorticoid-Induced Lipolysis"</i></p> <p>Jia Xu Li (University of Toronto) <i>"Disruption of Adipose Tissue Metabolism by Glucocorticoids is Attenuated with LXRβ Antagonism"</i></p>
3:00 pm – 3:15 pm	Joint Discussion
3:15 pm – 3:30 pm	Break
3:45 pm – 5:00 pm	Poster Session

Wednesday, May 26, 2021

Time ***Central Time (CT)	Event
9:30 am – 9:45 am	Day Two: Welcome
9:45 am – 12:00 pm	Systems Biology to Deconstruct Nuclear Steroid Receptor Mechanisms and Functions Discussion Leaders: Andrea Cignarella (University of Padova) & Lindsey Trevino (City of Hope)
9:45 am – 10:00 am	Trevor Archer (NIEHS) <i>"GR activated transcription in single cells and individual genes"</i>
10:00 am – 10:15 am	Fabio Stossi (Baylor College of Medicine) <i>"Imaging Nuclear Receptor Actions at the Single Cell Level"</i>
10:15 am – 10:30 am	Pierre Gourdy (University of Toulouse) <i>"Estrogen receptor subcellular localization and cardiometabolism"</i>
10:30 am – 10:45 am	Joint Discussion
10:45 am – 11:00 am	Break
11:00 am – 11:15 am	Lee Kraus (UTSW) <i>"Molecular Mechanisms of Estrogen Receptor Enhancer Assembly and Function"</i>
11:15 am – 11:30 am	Marc Tatar (Brown University) <i>"Steroid GPCR-mediated Renal Fibrosis Modeled in Drosophila"</i>
11:30 am – 11:45 am	Lightning round of selected 3-minute poster abstracts Eriko Katsuta (Roswell Park Comprehensive Cancer Center) <i>"Transcriptional regulation of extracellular adenosine synthesis in estrogen receptor (ER)-positive breast cancer"</i>

	<p>Ayca Mogol (University of Illinois at Urbana-Champaign) <i>"Elucidating lung-niche specific transcriptomic changes of metastatic ER+ breast tumors"</i></p> <p>Qianying Zuo (University of Illinois at Urbana-Champaign) <i>"Targeting metabolic adaptations in the breast cancer-liver metastatic niche nexus using dietary approaches to improve endocrine therapy efficacy"</i></p> <p>Kendall Langsten (Wake Forest School of Medicine) <i>"Spontaneous Bone Metastasis and Antiestrogen Response in a Novel Estrogen Receptor-Positive Murine Breast Cancer Model"</i></p>
11:45 am – 12:00 pm	Joint Discussion
12:00 pm – 12:15 pm	Break
12:15 pm – 1:15 pm	Career Development Workshop: <i>"Presenting Your Science to the Public"</i> The Endocrine Society
1:15 pm – 2:00 pm	Break
2:00 pm – 4:15 pm	Steroid hormone actions in the brain Discussion Leaders: Paul Mermelstein (University of Minnesota) & Martin Kelly (Oregon Health & Science University)
2:00 pm – 2:15 pm	Gabriele Rune (University of Hamburg) <i>"Sex-dependent Effects of Neurosteroids in the Hippocampus"</i>
2:15 pm – 2:30 pm	Charlotte Cornil (University of Liège) <i>"Cooperation of nuclear and membrane-actions of neuroestrogens in the control of male sexual behavior"</i>
2:30 pm – 2:45 pm	Margaret Mohr (UCLA) <i>"Pubertal development of estradiol-induced hypothalamic progesterone synthesis"</i>
2:45 pm – 3:00 pm	Joint Discussion
3:00 pm – 3:15 pm	Break
3:15 pm – 3:30 pm	Kevin Sinchak (California State University, Long Beach) <i>"Neuroprogesterone and PR regulation of LH surge"</i>
3:30 pm – 3:45 pm	John Meitzen (North Carolina State University) <i>"Estradiol Rapidly Modulates Excitatory Synapse Properties in the Nucleus Accumbens Core"</i>
3:45 pm – 4:00 pm	Karyn Frick (University of Wisconsin-Milwaukee) <i>"Targeting estrogen receptor beta as a treatment for alleviating memory loss and hot flashes"</i>
4:00 pm – 4:15 pm	Lightning round of selected 3-minute poster abstracts Michael Saikali (University of Toronto) <i>"Targeted temporal quantification of nuclear receptors by mass spectrometry"</i>

	<p>Dominik Awad (University of Texas MD Anderson Cancer Center) <i>"AR-CAMKK2-AMPK signaling promotes prostate cancer progression by increasing intracellular lipolysis"</i></p> <p>Ashlie Santaliz (University of Illinois) <i>"Evaluating metabolic and oncogenic pathways that impact aggressiveness of breast cancer in African American women"</i></p> <p>Cameron Leyers (Medical University of South Carolina) <i>"Altered ERα localization differentially modulates immune cell subsets"</i></p>
4:15 pm – 4:30 pm	Joint Discussion
4:30 pm – 5:00 pm	<i>Flex Time</i>

Thursday, May 27, 2021

Time ***Central Time (CT)	Event
9:30 am – 9:45 am	Day Three: Welcome
9:45 am – 12:00 pm	Novel Functions of Steroid Receptors in Cancer Discussion Leaders: Christy Hagan (University of Kansas Medical Center) & Stephen Hammes (University of Rochester Medical Center)
9:45 am – 10:00 am	Rosamaria Lappano (University of Calabria) <i>"New findings on the action of GPER in breast cancer"</i>
10:00 am – 10:15 am	Carol Lange (University of Minnesota) <i>"PR and GR - functionally redundant signaling properties in stemness"</i>
10:15 am – 10:30 am	<p>Lightning round of selected 3-minute poster abstracts</p> <p>Anasuya Das Gupta (University of Illinois, Urbana Champaign) <i>"Mechanisms by which 27-Hydroxycholesterol modulates Extracellular Vesicle biogenesis"</i></p> <p>Sarah El Kharraz (KU Leuven, Molecular and Cellular Medicine) <i>"Dimerization of the ligand-binding domain is crucial for normal functioning of the androgen receptor in mice"</i></p> <p>Asmaa El-Kenawi (Moffitt Cancer Center) <i>"Tumor - macrophage metabolic interactions regulate androgen biosynthesis to induce therapeutic resistance in prostate cancer"</i></p> <p>Wanting Han (University of Massachusetts Boston) <i>"CDK4/6 inhibitor enhances the tumor-suppressive activity of high-dose androgen in castration-resistant prostate cancer"</i></p> <p>Thu Truong (University of Minnesota) <i>"PELPI/SRC-3-dependent regulation of metabolic PFKFB kinases drives therapy resistant ER+ breast cancer"</i></p>

10:30 am – 10:45 am	Joint Discussion
10:45 am – 11:00 am	Break
11:00 am – 11:15 am	Marina Holz (New York Medical College) <i>“Crosstalk between mTOR and estrogen signaling”</i>
11:15 am – 11:30 am	Matt Sikora (University of Colorado, School of Medicine) <i>“Unique Estrogen Receptor Biology Underlies Therapy Response and Resistance in Lobular Carcinoma”</i>
11:30 am – 11:45 pm	Scott Tomlins (Strata Oncology) <i>“High-throughput “Omics” to Identify Driver Mutations and Gene Fusions in Cancer”</i>
11:45 pm – 12:00 pm	Joint Discussion
12:00 pm – 1:00 pm	Break
1:00 pm – 2:45 pm	Targeting Steroid Receptors: New Mechanisms Discussion Leaders: Donald DeFranco (University of Pittsburgh) & Ellis Levin (University of California- Irvine)
1:00 pm – 1:15 pm	Elahe Mostaghel (Fred Hutchinson Cancer Center) <i>“Adrenal androgens and AR axis inhibition in prostate cancer – mechanism of resistance and predictors of response”</i>
1:15 pm – 1:30 pm	Douglas Kojetin (Scripps Research-Florida) <i>“Ligand-induced PPARγ repression made crystal clear with NMR spectroscopy”</i>
1:30 pm – 1:45 pm	Joint Discussion
1:45 pm – 2:00 pm	Break
2:00 pm – 2:15 pm	Edward Filardo (University of Iowa) <i>“Dual specificity PROTACs that target plasma membrane and intracellular estrogen receptors”</i>
2:15 pm – 2:30 pm	John Katzenellenbogen (University of Illinois) <i>“Unusual Effects of Estrogens Through Estrogen Receptor Beta and From Very Low Affinity Ligands”</i>
2:30 pm – 2:45 pm	Joint Discussion
2:45 pm – 3:00 pm	Break
3:00 pm – 4:45 pm	Nuclear Steroid Receptor/Metabolic Crosstalk Discussion Leaders: Kristy Brown (Weill Cornell Medicine) & Subhamoy Dasgupta (Roswell Park Comprehensive Cancer Center)
3:00 pm – 3:15 pm	Ian Mills (Queens University Belfast) <i>“AR-regulated Metabolism in Prostate Cancer”</i>
3:15 pm – 3:30 pm	Rebecca Riggins (Georgetown University) <i>“ERR Metabolism in Breast Cancer, Metabolism in GBM”</i>
3:30 pm – 3:45 pm	Joint Discussion

3:45 pm – 4:00 pm	Break
4:00 pm – 4:15 pm	Giorgia Zadra (Institute of Molecular Genetics, National Research Council-Italy) <i>“Modulation of intra-tumor lipid metabolism is a non-canonical approach to target AR receptor”</i>
4:15 pm – 4:30 pm	Erik Nelson (University of Illinois) <i>“Cholesterol, ER and LXRs Functions in the Breast Cancer Metastatic Tumor Microenvironment”</i>
4:30 pm – 4:45 pm	Phil Shaul (UTSW) <i>“Estrogen Receptor Signaling in Endothelium in Cardiometabolic Health and Disease”</i>
4:45 pm – 5:00 pm	Joint Discussion
5:00 pm – 5:15 pm	Wrap-up by Conference Organizers