



SHORT COURSE 1

Sex Differences in the Brain: Balancing Sex in Preclinical Research

Organized by Jill Becker, PhD and Jessica Tollkuhn, PhD

Friday, November 2, 2018

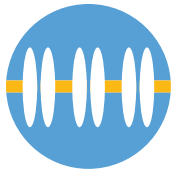
8 a.m.–6 p.m.

Location: San Diego Convention Center • Room: 6B

TIME	TOPIC	SPEAKER
7:30–8 a.m.	CHECK-IN	
8–8:10 a.m.	Opening Remarks	Jill Becker, PhD • University of Michigan Jessica Tollkuhn, PhD • Cold Spring Harbor Laboratory
8:10–9 a.m.	Developmental Origins of Sex Differences in the Brain	Margaret M. McCarthy, PhD • University of Maryland
9–9:30 a.m.	The Stress Response: Sex-Specific Neural Mechanisms	Debra Bangasser, PhD • Temple University
9:30–10 a.m.	Behavior Paradigms I: Sex-Specific Responses	Rebecca Shansky, PhD • Northeastern University
10–10:30 a.m.	BREAK	
10:30–11:20 a.m.	Sex-Dependent Mechanisms of Synaptic Modulation	Catherine Woolley, PhD • Northwestern University
11:20–11:50 a.m.	Behavior Paradigms II: Reward and Affective Behaviors	Laura O'Dell, PhD • University of Texas, El Paso
11:50 a.m.–12:20 p.m.	Dissecting Sex-Typical Neural Circuitry	Jessica Tollkuhn, PhD • Cold Spring Harbor Laboratory
12:20–1:20 p.m.	LUNCH — ROOM 33	
1:20–2:10 p.m.	Adolescence and Puberty	Deena Walker, PhD • Icahn School of Medicine at Mount Sinai
2:10–3 p.m.	The Importance of Estradiol as a Neuroprotectant in Both Sexes	Colin Saldanha, PhD • American University
3–3:50 p.m.	How to Study Female and Male Rodents — Takeaway Lessons	Jill Becker, PhD • University of Michigan
3:50–4 p.m.	Summary and Introduction of Breakout Sessions	Jill Becker, PhD and Jessica Tollkuhn, PhD
4–4:15 p.m.	BREAK	

AFTERNOON BREAKOUT SESSIONS • PARTICIPANTS SELECT FIRST DISCUSSION GROUPS AT 4:15 P.M.

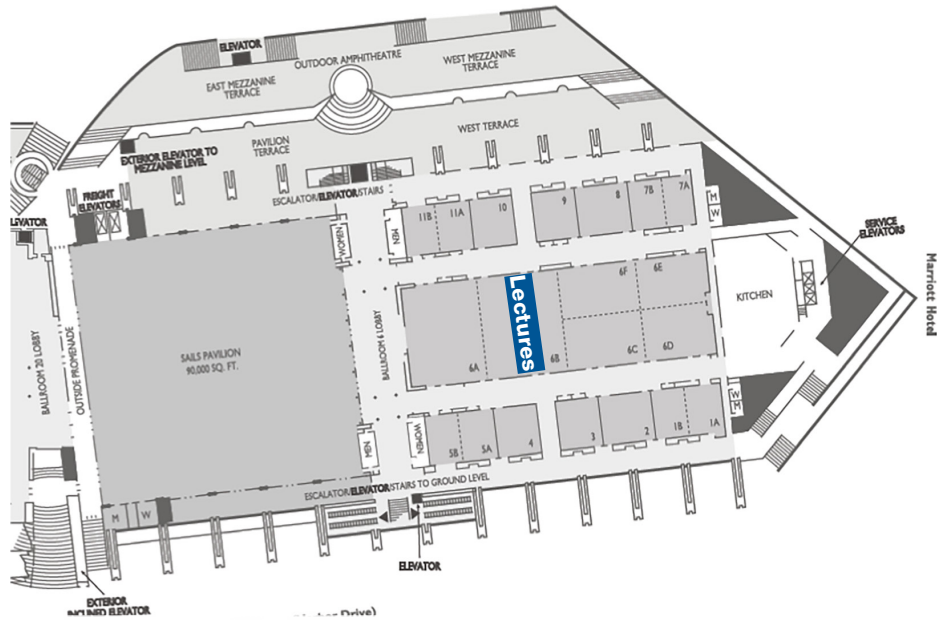
TIME	BREAKOUT SESSIONS	SPEAKERS	ROOM
4:15–5 p.m.	Group 1: Stress, Learning, and Vulnerability	Debra Bangasser, PhD and Rebecca Shansky, PhD	29A
	Group 2: Reward Circuitry and Addiction: Differential Effects of Drugs of Abuse in Females and Males	Jill Becker, PhD and Laura O'Dell, PhD	29B
	Group 3: Neuroimmune Interactions: The Role of Microglia	Margaret M. McCarthy, PhD and Colin Saldanha, PhD	29C
	Group 4: Sex Differences in Gene Expression: Contributions of Steroid Hormones and Sex Chromosomes	Deena Walker, PhD and Jessica Tollkuhn, PhD	29D
5–5:15 p.m.	BREAK		
AFTERNOON BREAKOUT SESSIONS • PARTICIPANTS SELECT SECOND DISCUSSION GROUPS AT 5:15 P.M.			
5:15–6 p.m.	Same as sessions above		



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