

Session	Time	Presenter	Title
Thursday, December 7, 2023			
Trainee Affairs Workshop	6:00 PM - 7:00 PM	Leader - Cara Hardy, PhD	The Art of Scientific Writing: Crafting the Perfect Specific Aims Page.
	7:00 PM - 8:00 PM	Leader - Cara Hardy, PhD	Career Exploration: Knowing your options and preparing for your next step.
Trainee Social & Networking	8:00 PM		TBD
Friday, December 8, 2023			
Breakfast & Networking	8:00 AM - 9:00 AM		
Opening Remarks - Day 1	9:00 AM - 9:05 AM	Kelvin Davies, PhD	Opening to SPR 2023
Session 1: Keynote Presentation	Moderators: F - Kelvin Davies, PhD and T - Janhvi Parsai		
	9:05 AM - 9:55 AM	Indira Mysorekar, PhD	Effects of Aging on the Bladder
	9:55 AM - 10:05 AM	Q&A	
Bio Break	10:05 AM - 10:20 AM		
Session 1 Abstracts: Aging, IC/BPS and nerve injury (8 min presentations, 2 min Q&A)	Moderators: F - Johanna Hannan, PhD and T - Fenix de Araujo, MSc		
	10:20 AM - 10:30 AM	Cara Hardy, PhD (T)	Investigating kidney and bladder functional declines associated with aging.
	10:30 AM - 10:40 AM	Catherine Brownstein, PhD	Sentiments of interstitial cystitis/bladder pain syndrome patients towards Elmiron
	10:40 AM - 10:50 AM	David Klumpp, PhD	Microglia Mediate Symptoms of Chronic Pelvic Pain
	10:50 AM - 11:00 AM	Eleanora Melkonian (T) (pre-Doc)	Racial disparities in treatment of interstitial cystitis/bladder pain syndrome
	11:00 AM - 11:10 AM	Soumya Kamath, (T) (pre-Doc)	Characterization of female bladder and vaginal function in a preclinical model of Ehlers-Danlos Syndrome
	11.10 AM - 11:20 AM	Shaimaa Maher, PhD (T)	Pudendal Nerve Injury and its Contribution to Stress Urinary Incontinence in a Male Rat Model
	11:20 AM - 11:30 AM	Nagat Frara, PhD	Upregulation of brain-derived nerve factor (BDNF) expression and enhanced reactive oxygen species production in lower motor neuron-lesioned dog bladder mucosa following somatic-motor nerve transfer
Session 1: NIH presentation	11:30 AM - 12:00 AM	Kristy Nicks, PhD	NIH Initiatives to Promote Diversity in Science
Lunch & Networking	12:00 AM - 1:00 PM		
Session 2: Keynote Presentation	Moderators: F - Alvaro Munoz, PhD and T - Anissa Cervantes		
	1:00 PM - 1:50 PM	Zachary Danziger, PhD	Effects of aging on neuroregulation of the lower urinary tract
	1:50 PM - 2:00 PM	Q&A	
Session 2: Best Abstracts from Sociedad Mexicana de Ciencias Urogenitales (Mexican Society of Urogenital Sciences)	2:00 PM - 2:10 PM	Carlos F. Montes de Oca (pre-Doc)	Analysis of molecular iodine effects in TRAMP mice prostate tumors
	2:10 PM - 2:20 PM	Sonia G. Perez-Aguirre (pre-Doc)	The antioxidant effect of epigallocatechin-3-gallate on testicular function in pubertal and adult rats with cadmium exposure.
	2:20 PM - 2:30 PM	Sergio Marin de Jesus (pre-Doc)	Zinc and its role in testicular and epididymal antioxidant protection in cadmium-exposed rats
	2:30 PM - 2:40 PM	Andres Baca-Hernandez (pre-Doc)	Oral iodine supply in patients with benign prostatic hyperplasia
	2:40 PM - 2:50 PM	Pabeli S. Becerra-Romero (pre-Doc)	Immune Infiltrate Analysis, Serum Cytokine Profile, and Histology in the Denervated Prostate
Coffee Break & Networking	2:50 PM - 3:10 PM		
Session 3: Keynote Presentation	Moderators: F - Monty Hughes, Ph.D. and T - Soumya Kamath		
	3:10 PM - 4:00 PM	John DeLancey, MD	Interaction of aging and other life events on pelvic floor function
	4:00 PM - 4:10 PM	Q&A	
Session 3 Abstracts: Inflammation, urinary obstruction and diabetes (8 min presentations, 2 min Q&A)	Moderators: F - Michael DiSanto, PhD and T - Shaimaa Maher, PhD		
	4:10 PM - 4:20 PM	Anissa Cervantes (T) (pre-MD)	Resolvin E1, a specialized pro-resolving mediator, has a transient beneficial effect on diabetes-associated bladder inflammation in a mouse model
	4:20 PM - 4:30 PM	Laura Torre (T) (pre-Doc)	Characterization of a Partial Bladder Outlet Obstruction Mouse Model Using X-Ray Videocystometry
	4:30 PM - 4:40 PM	Monty Huges, PhD	Strict glucose control and elimination of NLRP3-induced inflammation prevents diabetic bladder dysfunction in the female Akita mouse model
	4:40 PM - 4:50 PM	Vivian Cristofaro, PhD	High Glucose Increases Bladder Excitability by Altering Caveolae-Mediated Inhibition of Muscarinic M2-Receptor Activation
	4:50 PM - 5:00 PM	Jonathan Beckel, PhD	Inhibition of cyclophosphamide-induced bladder inflammation and hyperactivity through knockdown of the endogenous cholinergic toxin-like signaling peptide SLURP-2.
	5:00 PM - 5:10 PM	Michael Odom, PhD (T)	Testosterone Contributes More to the Development of Diabetic Bladder Dysfunction in Type 1 Diabetic Male Mice Than Hyperglycemia
	5:10 PM - 5:20 PM	Warren Hill, PhD	Bladder Smooth Muscle Integrins are Dysregulated in Mouse Models of Acute Urinary Retention and Partial Bladder Outlet Obstruction

	5:20 PM - 5:30 PM	Michael Odom, PhD (T)	Male Akita Mice Develop Bladder Underactivity Independent of NLRP3 as a Result of a Decrease in Neurotransmitter Release from Efferent Neurons
	5:30 PM - 5:40 PM	Janhvi Parsai, (T) (pre-Doc)	Higher Levels of p-MLKL Suggest that Necroptosis Associated with Bladder Nerves is a Possible Driver of Diabetic Bladder Dysfunction
	5:40 PM - 5:50 PM	Francis Hughes, PhD	Blocking Necroptosis Partially Prevents Bladder Dysfunction in Diabetic Male Akita Mice
Close Day 1	5:50 PM -5:55 PM	Vivian Cristofaro, PhD	Closing Remarks - Day 1
Cheese and Wine Reception & Networking	6:30 PM -7:30 PM		
Saturday, December 9, 2023			
Breakfast & Networking	8:00 AM - 9:00 AM		
Opening Remarks - Day 2	9:00 AM - 9:05 AM	Maryrose Sullivan, PhD	Opening Presentation Day 2
Session 4: Keynote Presentation	Moderators: F - Maryrose Sullivan, PhD and T - Cintia Vieira dos Santos, MSc		
	9:05 AM - 9:55 AM	William Ricke, PhD	Age associated changes in prostatic mitochondrial function and development of LUTS and BPH
	9:55 AM - 10:05 AM	Q&A	
Bio Break	10:05 AM -10:20 AM		
Session 4 Abstracts: Male and females sexual (dys)function (8 min presentations, 2 min Q&A)	Moderators: F - Carol Podlasek, PhD and T - Eleanora Melkonian		
	10:20 AM - 10:30 AM	Molly Alexander (T) (pre-Doc)	Sub-chronic perfluorooctane sulfonate (PFOS) or perfluorooctanic acid (PFOA) exposure has no impact on erectile function in Sprague-Dawley rats
	10:30 AM - 10:40 AM	Rayna Birnbaum, PhD (T)	Targeting FL2 after cavernous nerve injury promotes nerve regeneration and erectile function through modulating microtubule dynamics in multiple cell types.
	10:40 AM - 10:50 AM	Carol Podlasek, PhD	BMP4 and GREM1 are targets of SHH signaling and downstream regulators of collagen in the penis
	10:50 AM - 11:00 AM	Carol Podlasek, PhD	SHH regulates penile morphology and smooth muscle through a mechanism involving BMP4 and GREM1
	11:00 AM - 11:10 AM	Fernanda Priviero, PhD	Erectile dysfunction in young adult rats might be associated with obesity in early life
	11.10 AM - 11-20 AM	Rinaldo Rodrigues dos Passos Jr, MSc (T)	The role of NLRP3 (nucleotide-binding domain, leucine-rich-containing family, pyrin domain-containing-3) in chronic stress-induced vascular and erectile dysfunction.
	11:20 AM - 11:30 AM	Cintia Vieira dos Santos, MSc (T)	Leucine Rich Repeat Containing 8 channels modulate superoxide anion production and hypercontractility of pudendal arteries and corpus cavernosum in diabetic vasculogenic erectile dysfunction
	11:30 AM - 11:40 AM	Moses Tar, MD	A wide range of PDE5 inhibitors act synergistically with a topical nitric oxide delivery system to elicit an erectile response in an animal model of radical prostatectomy.
	11:40 AM - 11:50 AM	Fenix de Araujo, MSc (T)	More than a feeling: Unraveling the sexual difference in TRPM8 (Transient Receptor Potential Melastatin 8) channel vascular function.
	11:50 AM - 12:00 AM	Stephanie Wilczynski (T) (pre-Doc)	The Role of Leucine Rich Repeat Containing 8A Channels in Female Sexual Dysfunction and Vaginal Smooth Muscle
Lunch & Networking	12:00 AM - 1:00 PM		
Session 5: Pelvic anatomy and bladder (dys)function (8 min presentations, 2 min Q&A)	Moderators: F - Mary Barbe, PhD and T - Stephanie Wilczynski		
	1:00 PM - 1:10 PM	Daniel Medina Aguinaga, MD, PhD (T)	A surgical and functional approach to the pelvic gross neuroanatomy of the female Yucatan minipig.
	1:10 PM - 1:20 PM	Zuha Yousuf (T) (pre-Doc)	Innervation of the ovine pelvic floor muscles by levator ani and perineal nerves
	1:20 PM - 1:30 PM	Mohamed Elazab (T) (pre-Doc)	Bladder Volume Estimation Using a Catheter-free Wireless Pressure-Volume Sensor in Minipigs
	1:30 PM - 1:40 PM	Adam Doelman (T)	Wireless catheter-free pressure sensors to assess neurogenic lower urinary tract dysfunction in a porcine model of spinal cord injury
	1:40 PM - 1:50 PM	Liping Zhu (T)	Rat Model of Stress Urinary Incontinence: Multi-dimensional Evaluation of the Effects of Different Modeling Methods on Pelvic Floor Tissue Characteristics.
	1:50 PM - 2:00 PM	Mario Romero-Ortega, PhD	Sub-chronic Neuromodulation of Bulbospongiosus Nerve Improves deficits associated with Stress Urinary Incontinence in Mature Multiparous Female Rabbits
	2:00 PM - 2:10 PM	Violetta Mutafova-Yambolieva, PhD	Prostaglandins Facilitate the ATP Degradation by Soluble Ectonucleotidases in the Urinary Bladder Lamina Propria
	2:10 PM - 2:20 PM	Britney Hudson (T) (pre-Doc)	Effects of elevated pressure cycling on urothelial exosomes in vitro
	2:20 PM - 2:30 PM	Emely Munoz (T) (pre-Doc)	Short terms effects on the stereotyped voiding behavior of female rats induced by the consumption of sweetened water
	2:30 PM - 2:40 PM	Emily Ricke, MS	Use of anti-fibrotics in the treatment of Lower Urinary Tract Dysfunction in mice
	2:40 PM - 2:50 PM	Hannah Ruetten, PhD (T)	Local tissue response to a CXCL12 chemokine therapy for fecal incontinence in a rabbit model.
Coffee Break & Networking	2:40 PM - 3:00 PM		
Session 6: Dr. Phillip P. Smith Memorial Lecture	3:00 PM - 3:05 PM	Cara Hardy, PhD	Introduction

	3:05 PM - 3:55 PM	George Kuchel, MD	Dr. Phillip P. Smith Memorial Lecture: Age and its effect on pelvic function
	3:55 PM - 4:05 PM	Q&A	
Trainee Awards	4:00 PM - 4:20 PM	Mary Barbe, PhD and Monty Hughes, PhD	Trainee Awards Ceremony
Closing Ceremony	4:20 PM - 4:30 PM	Kelvin Davies, PhD and Maryrose Sullivan, PhD	Closing Remarks and hand over to new president, Maryrose Sullivan, PhD. Looking Forward to SPR 2024!
Gala Dinner	6:00 PM	TBD	