



The XXVIIIth North American Testis Workshop

Of Flies, Mice, and Men: Novel Models That Are Changing Our Understanding of Testis Biology

APRIL 15-18, 2026 • EMBASSY SUITES SCOTTSDALE

POSTERS

Friday, April 17, 2026 • 5:00 pm - 6:30 pm
Silverman Foyer

POSTER 01	ASTRZ1 as a Novel Genetic Cause of Male Infertility: Functional Analysis Reveals Its Essential Role in Sperm Flagellar Formation <i>Hiroaki Kitakaze, MD</i>
POSTER 02	TBCCD1, a Testis-Dominant Centrosomal Protein, Is Essential for Spermiogenesis Progression in Mice <i>Lisha Yin, MD</i>
POSTER 03	Sperm Quality in Mice with Low NAD Metabolism <i>Colton Nelson, BS, MS</i>
POSTER 04	Mono-(2-ethylhexyl) Phthalate (MEHP) Triggers Macrophage Inflammation and Disrupts Leydig Cell Steroidogenesis In Vitro <i>Kassim Traore, PhD</i>
POSTER 05	GLP-1 Receptor Agonists and Male Reproductive Health: A Scoping Review of Endocrine, Seminal, and Sexual Outcomes <i>Nelssy Escalante, MD</i>
POSTER 06	Chromatin Remodeler SMARCA5 Primes Male Germline Differentiation through Cooperation with the Pioneer Factor DMRT1 <i>Yuka Kitamura, PhD</i>
POSTER 08	Mapping Ancient Pathways of Spermatogenesis to Advance Understanding of Male Infertility Only <i>Melissa Patton, BS</i>
POSTER 09	DAXX Directs H3.4-to-H3.3 Histone Replacement During Spermatogenesis <i>Yu-Han Yeh, BS, MS</i>
POSTER 11	Testicular Sertoli Cells Establish an Immunomodulatory Graft Environment to Survive Allograft Transplantation <i>Rachel Babcock, PhD</i>
POSTER 12	Amyloids in Mammalian Spermatozoa as Potential Carriers of Epigenetic Inheritance <i>Kimberly Garza, BS</i>
POSTER 13	Intriguing Interactions: Coculturing Immature Germ Cells Alongside Mature Somatic Cells Affects Spermatogenesis In Vitro in Testis-on-chip System <i>Mahmoud Huleihel, PhD</i>
POSTER 14	Prevalence of Chlamydia trachomatis Infection Among Mongolian Men and Its Association With Male Infertility: An PCR-Based Study <i>Arnabyek Sauletbyek, HCLD, MD, MS</i>
POSTER 15	Uncovering Changes in Sertoli Cell Gene Expression During Minipuberty to Understand The Foundations of Male Fertility <i>Nadia Edelsztein, PhD</i>
POSTER 16	Germ Cell-Specific Fatty Acid Beta-Oxidation is Required for Quantitatively Normal Spermatogenesis in the Mouse <i>Grace Neiswanger, BS</i>
POSTER 17	SPAG6L is Essential for Spermiogenesis and Early Embryogenesis in Mice <i>Cheng Zheng, PhD</i>
POSTER 18	Physiological Zinc Levels Stimulate Vigorous Motility in Mouse Sperm <i>Anne Carlson, PhD</i>
POSTER 19	Mapping the Testicular Transcriptomic Landscape Before and After an Exogenous Retinoic Acid Pulse <i>Lauren Hamilton, PhD</i>
POSTER 20	A Novel Seminiferous Tubule Culture System to Study Leydig Cell Differentiation and Function <i>Nicholas Robert, PhD</i>
POSTER 21	In Vitro Culture of Human Germ Cells Within a Human iPS-cell Derived Testis-like Environment <i>Stefan Schlatt, PhD</i>
POSTER 22	Fetal Origins of Human Spermatogenic Failure <i>Antoni Riera-Escamilla, PhD</i>



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POSTER 23	Spatial and Temporal Heterogeneity of Marker-Defined Leydig Cell Populations Across Primate Testis Prenatal Development and Aging <i>Fritzie Celino-Brady, PhD</i>
POSTER 24	Mechanisms of Clonal Expansion in the Aging Zebrafish Testis: RAS/MAPK Mutations Under Selection <i>Kate Scuderi, BS</i>
POSTER 25	Longitudinal Tracing of Zebrafish Spermatogenesis Reveals Clonal Dynamics That Deviate From Neutral Drift <i>Jenna Weber, BA</i>
POSTER 26	Comparison of 4% Paraformaldehyde and Modified Davidson's Fixative on the Histomorphology and RNA Preservation of Non-Human Primate Testes <i>Madison Held, BA</i>
POSTER 27	Acetaminophen, Genistein, and Their Mixture target immature Sertoli and Leydig Cells in Juvenile Rodents <i>Nicole Mohajer, MS</i>
POSTER 28	Side-effects of Busulfan Prepared in Different Drug Carriers (Dimethyl sulfoxide, Fluted pumpkin seeds, Olive and Soya oils) on the Biology of Testis of Wistar Rats <i>Sunny Abarikwu, PhD</i>
POSTER 29	Uncovering the Role of Testicular and Epididymal Proteins in the Reprogramming of Signaling Proteins During Sperm Capacitation: A Phosphoproteomic Network Analysis <i>Gayatri Mohanty, PhD</i>
POSTER 31	Effects of Busulfan and Radiation Treatments on Spermatogenesis in a Prepubertal Nonhuman Primate Model of Fertility Preservation <i>Gunapala Shetty, PhD</i>
POSTER 32	Translate Benchside to Bedside of Various Surgical Strategies for Male Potency Reconstructions and Vice Versa <i>Geng-Long Hsu, MD</i>
POSTER 33	Is Chain Coil an Option for Treating Patients with Impotence Resulting from Penile Venous-occlusive Dysfunction <i>Geng-Long Hsu, MD</i>
POSTER 34	Epigenetic Effects of Adverse Lifestyle Choices in Males <i>Laura Chavez, MS</i>
POSTER 35	Investigating the Role of SALL4 in Perinatal Testis: Insights from an In Vitro siRNA-Based Approach <i>Ana Katusic Bojanac, PhD</i>
POSTER 36	Paternal Insulin Resistance Imprints Testicular Structural Remodeling in Male Offspring <i>Gleide de Avelar, DVM, MS, PhD</i>
POSTER 37	Spatially Resolved Transcriptomic Signatures of Marmoset Male Germline Development <i>Mahak Singh, PhD</i>
POSTER 38	Insights into Human Sperm Subpopulations by Multiparametric Flow Cytometry <i>Stefan Schlatt, PhD</i>
POSTER 39	PUM1 and PUM2 Promote Translation of Chromatin Regulators to Ensure Spermatogenesis and their Potential for Reproductive Drug Development <i>Eugene Xu, PhD</i>
POSTER 40	Chromosome 16 Heterochromatic Variant (16qh+) in Severe Male Infertility: Diagnostic Challenges in a Middle-Income Setting <i>Diana Mahecha, MD</i>
POSTER 41	Deciphering the Sperm RNA Code of Aging with PANDORA-seq <i>Qi Chen, MD, PhD</i>