

Posters

All poster sessions will be located in Hacienda/Paloma.

Poster Session I • Sunday, April 19, 2026 • 11:00am - 12:15pm

Poster 100	Testosterone Intermittent Treatment Improves Semen Quality in Azoospermic and OAT Syndrome Men with Moderate Hypergonadotropic Hypogonadism <i>Alan Bogdanov</i>
Poster 101	Role of Testosterone And Neural Androgen Receptor on Hippocampal Neurons and Cognitive Performance in Young and Aged Male Wistar Rats <i>Girishya Bollyamani, PhD</i>
Poster 102	Dual Efficacy of Long-Term HCG Therapy on Height and Spermatogenesis in Short-Stature Adult Males with Prepubertal-onset Hypogonadal Hypogonadism <i>Hung Nguyen, MD</i>
Poster 103	Sleep Disturbances Among Non-therapeutic Users of Anabolic-Androgenic Steroids <i>Matheus Farani, MD</i>
Poster 104	MAGEA Proteins Buffer Metabolic Stress by Regulating Glycolytic and Stress-Response Pathways in Germ Cells and Cancer <i>Maria Camila Hoyos Sanchez, MS</i>
Poster 105	The TENT5A–ATXN2 Axis Regulates Heat Stress Response and Promotes Thermal Resilience in the Male Germline <i>Ru-pin Alicia Chi, PhD</i>
Poster 106	Cisplatin and Male Fertility: Dose-Dependent Injury and Time-Linked Recovery <i>Wilkister Nabalindo, DVM, PhD</i>
Poster 107	In Vitro Study of MEHP-Induced Inflammatory Crosstalk Between Macrophages and Leydig Cells <i>Kassim Traore, PhD</i>
Poster 108	Ubiquitin Proteasomal System in Sperm Function : Leveraging targeted Protein Degradation Via Proteolysis Targeting Chimeras (PROTACs) for Non-Hormonal Male Contraception <i>Lokesh Saini, MS, PhD</i>
Poster 109	A Stable and Precise Frozen Quality Control Model to Support the First Clinical-Grade Flow Cytometry Assay for Post-Vasectomy Testing <i>Lyne Massicotte, MS, PhD</i>
Poster 110	Analysis of Protein Factors Associated with Sperm Motility <i>Othmane Adli, PhD</i>
Poster 111	Ribosomal Protein RPS-29 Is Required For The Spermatogenesis-To-Oogenesis Transition In <i>Caenorhabditis elegans</i> <i>Ken Roberts, PhD</i>
Poster 112	KCTD13 Modulates SOX9 Through KEAP1-mediated Ubiquitination in Mouse Testicular Development <i>Ahmed Chahdi, PhD</i>
Poster 113	Retrospective Validation of WHICH-A.R.T. Assay to Optimize IVF vs ICSI Selection and Reduce Unnecessary ICSI <i>Juan Ferreira, PhD</i>
Poster 114	Differentially Methylated Gene Profiling in Testicular Aspirates Reveals DNA Methylation Alterations Associated with Non-Obstructive Azoospermia <i>Manish Jain, PhD</i>
Poster 115	Identification of a Novel Homozygous DDX25 Missense Variant in a Family Affected by Non-Obstructive Azoospermia <i>Emine Kahveci, MS, PhD</i>
Poster 116	Genome-Wide Sperm Hydroxymethylation Landscape in Men Among Couples With and Without Natural Conception <i>Karolina Nowak, MS, PhD</i>
Poster 117	New Therapeutic Approach for Non-Obstructive Azoospermia: Fertility Restoration with Lipid Nanoparticle–Delivered mRNA <i>Hiroaki Kitakaze, MD</i>
Poster 118	S-CoAlation of Proteins is a Novel Decapacitation Mechanism in Human Spermatozoa <i>Chika Onochie</i>
Poster 119	High-Fat Diet-Induced Gut Microbiome Dysbiosis Impairs Sperm Quality In Mice <i>Melody Pan, BS, MS</i>
Poster 120	Unravelling the Properties of TERRA and ATRX in Cryopreserved Sperms and Deciphering its Role in Chromatin Remodelling Dynamics: Obstacles in Onco-fertility <i>Bhaskar Saxena, PhD</i>
Poster 121	Systematic Evaluation of VUS in Male Infertility: Insights from Whole-Exome Sequencing of Idiopathic Hypospermatogenesis <i>Nisha Sharma, PhD</i>

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Poster 122	The Pentose Phosphate Pathway (PPP) is Crucial for the Fertilization Process and the Initial Stages of Pre-implantation Embryo Development <i>Mahboubeh Taghavi, MS, PhD</i>
Poster 124	Fatherhood and Black Men's Perinatal Health: An Equity-Centered Systematic Review <i>Adaobi Anakwe, MPH, PhD</i>
Poster 125	Weekend Messaging as a Distress Signal for ED Presentation After Men's Health Surgery <i>Adam Lin, BS</i>
Poster 126	Seminal Quality in Patients Affected by Diabetes Mellitus: New Laboratory Markers in Male Fertility <i>Jorge Hallak, MD, PhD</i>
Poster 127	Chaperone Utilization Among Andrologists During Intimate and Sensitive Physical Examinations <i>Nicos Prokopiou, MD</i>
Poster 128	Sperm Quality in Mice with Low NAD Metabolism <i>Colton Nelson, BS, MS</i>
Poster 129	Diffusion Tensor Imaging and Corpus Cavernosum Electromyography for Nerve-Sparing Radical Prostatectomy: A Review of Emerging Technologies <i>Juliana Viola, BS</i>
Poster 131	Methylation-Dependent Regulation of IDH3A and Its Impact on Prostate Cancer Metabolism: An in-Silico Study <i>Ezzahra Rachid, PhD</i>
Poster 132	Peyronie's Disease Pathogenesis: The Role of Dyslipidemia <i>G. Charles Ostermeier, PhD</i>
Poster 133	Crosstalk Between Sperm Mitochondrial DNA Copy Number and Nuclear DNA Methylation: Meta-Analysis and Machine-Learning in Preconception Cohorts <i>Savni Sawant, MS</i>
Poster 134	Predicting the Role of Y Chromosome-Linked Genes in Autism Spectrum Disorder Using a Bioinformatic Approach <i>Srinidhi Balaji</i>
Poster 135	Nicotinamide Riboside Supplementation in NAD Deficient and Geriatric Mice <i>Laura Miller, BS</i>
Poster 136	Porcine Oviductal Extracellular Vesicles Enhance Mouse Sperm Function <i>Stephanie Gilroy</i>
Poster 137	Repetitive Elements and Repetitive Loss: Alu-Y Hypomethylation and Sperm DNA Fragility in Men with Unexplained Recurrent Pregnancy Loss <i>Elango Kamaraj, PhD</i>
Poster 138	Mitochondrial DNA and Mislocalized TFAM are Visualized in Human Sperm from a Clinical Fertility Cohort <i>Jeffrey Mann, PhD</i>
Poster 139	Dual Remodeling of Catalytic and Regulatory PKA Subunits During Human Sperm Capacitation <i>Arturo Matamoros Volante, PhD</i>
Poster 140	Quantitative Evaluation of Oxidation-Reduction Potential in Human Semen Using MiOXSYS Technology <i>Manesh Kumar Panner Selvam, DVM, PhD</i>
Poster 141	Single-cell Metabolic Profiling of Stallion Spermatozoa by Flow Cytometry Using NADH and FAD Autofluorescence <i>Fernando Peña, PhD</i>
Poster 142	Proteins Regulating Diverse Functions Are Newly Synthesized During Bovine Sperm Capacitation <i>Saurabh Tiwari, DVM, MS</i>
Poster 143	Temporal Trends in Sperm Function over Thirteen Years: a Retrospective Study from Northeast India <i>Shubhadeep Roychoudhury, PhD</i>
Poster 144	Conserved but Evolved Binding Between Two Sperm Associate Antigen 6 (SPAG6) and Sperm Associate Antigen 16 (SPAG16) <i>Kristian Bennett, BS</i>

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Poster 145	MEIG1 Might Play Multiple Roles in Sperm Formation Partially Through Its Interaction with The RNA Splicing Factor SC35 <i>Opeyemi Dhikhirullahi, BS</i>
Poster 146	Intraflagellar Trafficking of SPPL2A in Developing Mouse Sperm <i>Cheng Zheng, PhD</i>
Poster 147	Positive Selection Analysis of DC-STAMP Domain-Containing Proteins DCST2 and SPE-4 <i>Matthew Marcello, PhD</i>

Poster Session II • Monday, April 20, 2026 • 11:00am - 12:15pm

Poster 200	Gonadotropin Analogues versus Clomiphene in Spermatogenesis Recovery After Testosterone/Steroid Misuse <i>Matheus Farani, MD</i>
Poster 201	High-Fat Diet-Induced Testosterone Insufficiency and Its Impact on Hippocampal Neurons and Memory Function in Male Rats <i>Sumi Borah</i>
Poster 202	Enhanced Clomiphene Citrate Response in Male Obesity-Associated Hypogonadism Following Significant Weight Reduction <i>Matheus Farani, MD</i>
Poster 203	Comparative Machine Learning Analysis Identifies Random Forest and AdaBoost as Superior Models for the Prediction of Male Reproductive Hormones <i>Shubhadeep Roychoudhury</i>
Poster 204	Development of a Segmentation Model for Intraoperative Structure Recognition in Microsurgical Varicocelectomy <i>Teppei Takeshima, MD, PhD</i>
Poster 205	Sertoli-Cell Barrier Integrity as an Early Developmental Target of Lead Toxicity <i>Sohei Kuribayashi, MD, PhD</i>
Poster 206	Disruption of Blood-Testis Barrier and Immune Regulatory Pathways by Acetaminophen and Genistein in Immature Rodent Sertoli Cells <i>Nicole Mohajer, MS</i>
Poster 207	Effect of the Exposure to Low Doses of 2,4-Dichlorophenoxyacetic Acid in Juvenile Rats on the Blood-Testis Barrier (BTB) Permeability <i>Maria Riera, PhD</i>
Poster 208	A Rapid Evaluation of Testicular Toxicity and its Reversibility Using Mouse Testis Organ Culture System <i>Satoshi Yokota, IV, PhD</i>
Poster 209	Timing of Oocyte Retrieval and Micro Testicular Sperm Extraction: Does It Make a Difference? A Single-Center Retrospective Cohort Study <i>David Bouhadana, MD</i>
Poster 210	Semen Cell-Free DNA Methylation Enables Noninvasive Prediction of Sperm Retrieval and Identification of Klinefelter's Syndrome in Non-Obstructive Azoospermia <i>Kristin Brogaard, PhD</i>
Poster 211	Morphological Remodeling Processes During Spermiogenesis in Three Closely-Related Mouse Species Revealed by Machine-Learning Analyses of Cell, Nuclei and Manchette Shape and Size <i>Maria Teves, MS, PhD</i>

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Poster 213	Papain-Mediated Reduction of Semen Viscosity Enhances Sperm Function and IVF Success in Alpacas <i>Julio Landinez-Aponte, MS</i>
Poster 214	Derivation of Functional Spermatonial Stem Cell-Like Cells from Non-human Primate Induced Pluripotent Stem Cells <i>Charles Easley, MS, PhD</i>
Poster 215	Sperm Retrieval and Reproductive Outcomes in Rare Chromosome Disorders and AZF Deletions; 12-Year Experience in a Single Center <i>Shinnosuke Kuroda, MD, PhD</i>
Poster 216	Infertility to Conception: A Retrospective Study of Men with Varicocele at a Renowned Clinic of Human Reproduction <i>Jorge Hallak, MD, PhD</i>
Poster 217	Microfluidic Sperm Sorting (MSS) Enhances Acrosome Morphology with Feasible Recovery Rates <i>Nicos Prokopiou, MD</i>
Poster 218	Dose-Dependent Role of L-Carnitine in Oocyte Maturation and Quality: A Comparative Study Integrating Male Infertility Profiles and Mouse Model Analysis <i>Bhaskar Saxena</i>
Poster 219	Identifying Infertile Men who May Be Amenable to a Limited Testicular Dissection at Microdissection Testicular Sperm Extraction <i>David Bouhadana, MD</i>
Poster 220	Effects of Gender-affirming Hormone Therapy on Testicular Cells of Persons with Gender Incongruence <i>Stefan Schlatt, PhD</i>
Poster 221	Conundrums in Adolescent Varicocele-Tertiary care experience from India <i>Parth Manek, MS</i>
Poster 222	Clinical Hormonal Outcomes of Clomiphene Citrate Use in Mexican Men as Testosterone Replacement Therapy: A Three-month Treatment Analysis <i>Andres Mora Topete, MD, MS</i>
Poster 223	Long-term Effects of Diabetes on the Rat Corpus Cavernosum and the Therapeutic Potential of Mucuna Pruriens <i>Prakash Seppan, PhD</i>
Poster 224	Characterization of Epididymosome-Bound DNA in Seminal Fluid <i>Gavin Van Alfen</i>
Poster 225	Characterization of a Novel Rat Epididymal Basal Cell Line, REBC1 <i>Daniel Cyr, PhD</i>
Poster 226	IFT20 Mediates Trafficking of Ciliary Proteins to Support Mammalian Motile Ciliogenesis <i>Tao Li, MD</i>
Poster 227	RNA Binding Protein ADAD2 Interacts with the Endoplasmic Reticulum to Form a Modified Testis-Specific Stress Granule <i>Ashley Di Agostino, MS</i>
Poster 228	Endocrine Modulation of Prostate Stromal-Epithelial Crosstalk in Aging: An In vitro Study <i>Deepak Pandey, PhD</i>
Poster 229	Impaired Epididymal Function Following High-Fat Diet-Induced Obesity in Adult Mice: A Toll Like Receptor 4 (TLR4) Signaling-Dependent Mechanism <i>Carla Silva, BS</i>
Poster 230	Physiological Status Modulates the Concentration of Small Extracellular Vesicles in Porcine Follicular Fluid <i>Stephanie Gilroy</i>
Poster 231	Genetics of Primary Testicular Failure (PTF) <i>Manish Jain, PhD</i>
Poster 232	Programmatic Hemimethylation in Sperm of Men Experiencing Recurrent Pregnancy Loss <i>Jordan Moore</i>
Poster 233	Testicular Sertoli Cells Establish a Unique Cytokine Milieu and Require T Regulatory Cells to Survive Allotransplantation <i>Rachel Babcock, BS, PhD</i>
Poster 234	Harnessing Testicular Sertoli Cell Immune Protection to Improve Xenotransplantation <i>Alexis Rodriguez, BS, MS</i>

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Poster 235	A Multi-Cohort Evaluation of Sperm DNA Methylation Signatures Associated with Semen Quality <i>Abiola Abolade, BS</i>
Poster 236	A Non-Invasive Male Fertility Test that Defines Spermatogenic Defects and Predicts Testicular Sperm Retrieval Success <i>Rajakumar Anbazhagan, MS, PhD</i>
Poster 237	Fatty Acid Metabolism Supports Motility and Function of Bovine Sperm During Energy Deprivation <i>Camila Arroyo Salvo, DVM, MS, PhD</i>
Poster 238	Bacterial Vaginosis Toxin (LPS) Disrupts Calcium Signaling and Sperm Function via the TLR4–TRPV4 Pathway <i>Shweta Bhagwat, PhD</i>
Poster 239	Testes with Residual Spermatogenesis have Different Transcriptome from those without Spermatogenesis in XXY Mice <i>YanHe Lue, MD</i>
Poster 240	Prevalence and Distribution of Seminal Parameters in Mexican Men: A Cross-Sectional Study Using WHO 2021 Criteria <i>Eduardo Herrerías, MD</i>
Poster 241	Hormonal Modulation of the Hypothalamic-Pituitary-Gonadal Axis: Effects on Testosterone and Semen Parameters <i>G. Charles Ostermeier, PhD</i>
Poster 242	CatSper Mediates Osmotic-induced Ca ²⁺ Signals in Human Sperm <i>Michelina Kierzek, PhD</i>
Poster 243	Although Responsive to Varicocele Ligation, Deficits in Sperm Phosphatidylserine Exposure Appear to Occur Randomly in the Varicocele Population: A Pilot Study <i>Eric Seaman, MD</i>
Poster 244	The Synergistic Effect of KCTD13 and β Pix on Androgen Receptor Stability and Transcriptional Activity in the Testis <i>Ahmed Chahdi, PhD</i>
Poster 245	Uncovering Changes in Sertoli Cell Gene Expression During Minipuberty to Understand the Foundations of Male Fertility <i>Nadia Edelsztein, PhD</i>
Poster 246	Promotion of Spermatogonial Cell Development In vitro Using a 3D Methylcellulose Culture System to Premeiotic and Meiotic, but not Post-meiotic Stages Following Transferring Developed Cells and Spheroids to a Fresh 3D Environment <i>Mahmoud Huleihel, PhD</i>
Poster 247	Testis Somatic Cell Gene Regulatory Networks Underlie Dramatic Feedback Responses to the Absence of Male Germ Cells <i>Eoin Whelan, PhD</i>