



BASIC SCIENCE WORKSHOP

EXPAND YOUR RESEARCH AND NETWORK HORIZONS

Additional Registration Fee. All sessions will be located in Lafayette/Farragut.

SATURDAY, MARCH 29, 2025 - 8:30 AM - 2:45 PM

8:30 am – 8:35 am	BSW OPENING <i>Kate Loveland, Monash University, Clayton, Victoria - AU</i>
8:35 am – 11:05 am	SESSION 1: Methods For Modeling And Safeguarding Male Fertility <i>Chairs: Eoin Whelan, University of Pennsylvania, PA - USA and Maria Camila Hoyos Sanchez, Texas Tech University, TX - USA</i>
8:35 am – 8:40 am	Introduction to the Session by Chairs
8:40 am – 8:55 am	Big Picture and Urgent Questions: From Stem Cells to Sperm and Embryo <i>Chris Geyer, East Carolina University, NC - USA</i>
INVITED SPEAKERS	
9:00 am – 9:20 am	Safeguarding Endangered Species: Advances in Cryopreservation and Germplasm Storage <i>Pierre Comizzoli, Smithsonian's National Zoo and Conservation Biology Institute, DC - USA</i>
9:20 am – 9:40 am	Stem Cell Approaches to Preserve and Restore Male Fertility <i>Kyle Orwig, Magee-Womens Research Institute, Pittsburg, PA - USA</i>
9:40 am – 10:00 am	Questions and Discussion relating to Session 1 Speakers
SELECTED SPEAKERS FROM EOJ	
10:00 am – 10:15 am	Fertility Preservation After Cancer Treatment <i>Gunapala Shetty, M.D. Anderson Cancer Center, Houston, TX - USA</i>
10:15 am – 10:30 am	Toxic Effect on Spermatogenesis <i>Marvin Meistrich, M.D. Anderson Cancer Center, Houston, TX - USA</i>
10:30 am – 10:45 am	Spatial Transcriptomics Reveals Stress Programs Across Intact Mouse Testes <i>Sethu Pitchiaya, University of Michigan, Ann Arbor - USA</i>
10:45 am – 11:00 am	Human Spermatogonial Stem Cells In Vitro and In Vivo <i>Stefan Schlatt, University of Münster, Münster, Germany</i>
11:15 am – 12:00 pm	LUNCH AND AN HONORARY SPEAKER Historical Overview of the Basic Research in Andrology <i>George Gerton, University of Pennsylvania, Philadelphia, PA, USA; ASA, Past President</i>
12:00 pm – 2:30 pm	SESSION 2: State-of-the Art Techniques to Ensure Optimal Sperm Quality and Offspring Potential <i>Chairs: Mariana Ianello Giasseti, Baylor University, TX - USA and Morgan Feuz, Utah State University, UT - USA</i>
12:00 pm – 12:05 pm	Introduction to the Session by Chairs
12:05 pm – 12:20 pm	Big Picture and Urgent Questions: New insights on sperm quality and functionality <i>Cristian O'Flaherty, McGill University, Montreal, CA</i>
12:25 pm – 12:45 pm	Advances in Sperm Metabolism and Sperm Capacitation <i>Pablo Visconti, University of Massachusetts Amherst, MA - USA</i>
12:45 pm – 1:00 pm	Stable Isotope Labeling Analysis of Capacitating Mammalian Sperm <i>Melanie Balbach, PhD, Michigan State University, MI, USA</i>
1:00 pm – 1:15 pm	Integrating Single Cell mRNA Sequencing and Ex-vivo Slice Culture to Unravel the Complexities of Penile Birth Defects <i>Ciro Amato, PhD, University of Missouri, Columbia, MO - USA</i>
1:15 pm – 1:30 pm	Questions and Discussion relating to Session 2 Speakers



ASA & ICA 2025 | Washington, D.C. | March 29-April 1

Five Decades of Inspiring Discoveries for Men's Health
Expanding Andrology Horizons from Gonadal Function to Reproductive, General and Global Health

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SATURDAY, MARCH 29, 2025 • 8:30 AM - 2:45 PM (continued)

SELECTED SPEAKERS FROM EOI

1:30 pm – 1:45 pm	WHICH-A.R.T. – A Revolutionary Clinical Assay for Evaluating Sperm Fertilization Capacity in Infertility Patients <i>Juan Ferreira, Washington University in Saint Louis School of Medicine - USA</i>
1:45 pm – 2:00 pm	Next-generation Sequencing and Metabolomics in Aging Men <i>Morgan Feuz, Utah State University - USA</i>
2:00 pm – 2:15 pm	In Vitro Maturation of Human and Mouse Spermatogonial Stem Cells Using 3D Systems and Testis-On-A-Chip Microfluidic System <i>Mahmoud Huleihel, Ben-Gurion University of the Negev, Beer-Sheva, Israel</i>
2:15 pm – 2:30 pm	Varicocele Surgery <i>Mohamed Elkhoully, United Arab Emirates</i>
2:30 pm – 2:45 pm	Final Remarks and Conclusion



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