



**American Society of Andrology 50th Annual Conference
ASA & ICA 2025 (Washington, DC)**

**ANDROLOGY LAB WORKSHOP (ALW)
Saturday, March 29, 2025**

Chair: Prof. Suresh Sikka, PhD, HCLD, CC (ABB)
Vice-Chair: Dr. Manesh Kumar Panner Selvam, PhD, TS (ABB)/ ALS (AAB)

Workshop Program

Automation vs Manual Testing: Choices for Clinical Andrology and Embryology Laboratories

Time	Description
08:00 am – 08:30 am	Continental Breakfast & Check-in; Introduction to ALW program – Dr. Sikka
Session #1	
08:30 am – 09:45 am	Semen Analysis: Manual vs Automation Faculty: Charles Muller, PhD, HCLD
09:45 am – 10:30 am	Automated vs. Manual Semen Analysis: North American and European Regulatory Guidelines Faculty: Matthew C. Hudnall, MS, TS(ABB), CLC(AMT)
10:30 am – 10:45 am	Break
10:45 am – 11:30 am	Leukocytospermia Testing: Clinical Implications of Oxidative Stress Faculty: Charles Muller, PhD, HCLD
11:30 am – 12:15 pm	Sperm DNA Damage and its Clinical Implications Faculty: Manesh Kumar Panner Selvam, PhD, TS(ABB)/ALS(AAB)
Lunch Break and Sponsored Lecture	
12:15 pm – 12:45 pm	Lunch Break
12:45 pm – 02:15 pm	Artificial Intelligence in Andrology Laboratory: The Future of Sperm DNA Fragmentation Diagnosis & Treatment (<i>Workshop</i>) Sponsor: Bonraybio Co. Ltd.
Session #2	
02:15 pm – 03:00 pm	Testicular Sperm Identification and Preparation for ICSI Faculty: Hooman Sadri-Ardekani, MD, PhD
03:00 pm – 03:45 pm	The Role of Modern Andrology Lab to Improve Sperm Quality and Functionality in Fresh and Cryopreserved Semen Faculty: Jorge Hallak, MD, PhD and Maria Christina W. Avellar, PhD
03:45 pm – 04:00 pm	Break
Session #3	
04:00 pm – 04:30 pm	Standardized Semen Analysis and Quality Control Management for Multicenter Male Reproductive Toxicology Clinical Trials Faculty: Suresh Sikka, PhD, HCLD, CC (ABB) & Susan Rothmann PhD, HCLD, ALD
04:30 pm – 04:45 pm	Feedback from Attendees and Adjourn