BAYLOR ASSISTED REPRODUCTIVE **TECHNOLOGIES** HANDS-ON WORKSHOP

September 27 and 28, 2025

OBJECTIVES

Critically appraise the female and male gametogenesis processes, and the variations during IVF stimulation.

Understand the ART/IVF procedures, including ultrasound monitoring, egg retrieval, semen processing embryo culture, and embryo transfer.

Learn the basics of fertility preservation: Indications and stimulation, for fertility preservation, and hands-on experience in sperm and egg cryopreservation.

Familiarize with the IVF laboratory equipment such as incubators, microscopes, micromanipulators, culture media, and cryopreservation systems.

Receive practical training in essential ART/IVF techniques such as semen analysis, sperm preparation, ICSI, embryo biopsy, vitrification and warming of embryo, embryo culture, and embryo transfer.

FOR MORE **INFORMATION OR TO** REGISTER

BaylorART.eventbrite.com



SPACE IS LIMITED. REGISTER EARLY.



For discounted

Questions?

Contact Tiara Gatewood at tiara.gatewood@bcm.edu





🌞 Texas Children's Hospital



AT A GLANCE

DATE

• SEPTEMBER 27 - 28, 2025

VENUE

Texas Children's Pavilion for Women 6651 Main Street. Houston TX 77030

- LECTURES: 4th Floor Meeting Room (D, E, F)
- HANDS-ON TRAINING: Legacy Tower, 3rd Floor

COST

• \$250

CO-CHAIRS

Chellakkan Blesson, PhD, TS/HCLD/CC (ABB) and Laura Detti, MD

FACULTY

- Valia Achille, PhD, HCLD (ABB)
- Daneeka Hamilton, MPH
- Momal Sharif, PhD
- Laurie McKenzie, MD
- Leah Schenk, MD
- Terri Woodard, MD

Pavilion for Women

BAYLOR ASSISTED REPRODUCTIVE TECHNOLOGIES HANDS-ON WORKSHOP

AGENDA



DAY 1: Saturday, September 27, 2025

7:30am	Registration and Breakfast		
8:30am	Velcome and introduction		
8.45am	Lecture 1: Gamelogenesis (Dr. Laura Delli)		
9:15 am	Lecture 2: Ovarian Stimulation and Monitoring (Dr. Leah Schenk)		
9:45am	Lecture 3: Introduction to Semen Analysis (Dr. Momal Sharif)		
10:15am	Lecture 4: Semen Preparation for ART (Ms. Daneeka Hamilton)		
10:45am	Coffee Break		
11:00am	Lecture 5: Introduction to Embryology – Eggs to Embryos (Dr. Valia Achille)		
11:30am	Lecture 6: Techniques in Embryology – Genetic Testing to Embryo Transfer (Dr. Chellakkan Blesson)		
12:00pm	Lunch Break		
1:00pm	Break out for Hands-on Training (40-minute sessions)		
	Station 1: Sperm Preparation		
	Station 2: Sperm Cryopreservation and Thaw		
	Station 3: ICSI		
	• Station 4: Assisted Hatching and Trophectoderm Biopsy		
	• Station 5: Vitrification and Warming (eggs and embryos)		
	Station 6: Ultrasound		
6:30pm	Socializing and Dinner		
DAY 2: Sunday, September 28, 2025			

7:30am	Breakfast	

8:30am Lecture 7: Indications for Fertility Preservation (Dr. Laurie McKenzie)

9:00am Lecture 8: Ovarian Stimulation in Oncofertility (Dr. Terri Woodard)

- 9:30am Break out for Hands-on Training (20-minute sessions)
 - Station 1: Semen Analysis Morphology
 - Station 2: Semen Analysis Viability
 - Station 3: Preparation for Embryo Transfer
 - Station 4: Embryo Grading and Morphokinetics
 - Station 5: Embryo Transfer Simulation Exercise with Dummies
 - Station 6: Facility Tour

11:30am Discussion / Q&A / Certificate Award / Group Photo

12:00pm Boxed Lunch