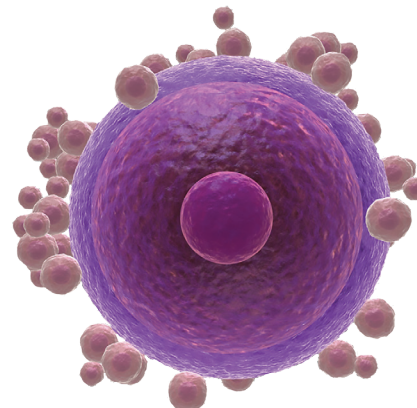


2025 Andrology & Embryology and General Knowledge Review Courses

- Comprehensive reviews to study and prepare for ABB certification examinations, earn continuing education credit, or enhance your knowledge
- Focused, live, onsite educational sessions presented by experts in the field
- Dedicated, uninterrupted study identifies knowledge gaps and helps avoid distractions during self-study
- Courses include updated and expanded review course manuals and PowerPoint presentations



Andrology & Embryology Review Course

Dates: September 5-6, 2025

Topics: An in-depth review of male and female reproductive physiology; semen analysis and advanced diagnostics; assisted reproductive technologies; reproductive genetics.*

Who Should Attend: TS/HCLD/ELD/ALD candidates preparing for ABB andrology or embryology discipline examination; individuals looking to enhance their knowledge and obtain continuing education credit.

General Knowledge Review Course

Date: September 7, 2025

Topics: An in-depth review of laboratory accreditation and regulatory requirements; personnel, administration and management; quality management; OSHA, laboratory safety and compliance; patient test management.

Who Should Attend: HCLD/ELD/ALD/BCLD/PHLD candidates preparing for ABB general knowledge examination; individuals looking to enhance their knowledge and obtain continuing education credit.

** The A&E Review Course on Sept. 5-6 does not provide an in-depth overview of CLIA, general laboratory management, and regulatory topics covered on the ABB General Knowledge examination. It is recommended that individuals seeking certification as a laboratory director in a reproductive discipline register for the 3-day A&E/GK combo.*

Continuing Education Credit

A&E Review Course	Earn up to 18 Contact Hours
GK Review Course*	Earn up to 8 Contact Hours
A&E AND GK* Review Courses	Earn up to 26 Contact Hours

ABB/PEER-approved for up to 26 contact hours. ABB/PEER-approved contact hours may be used to meet the CE licensure requirements in California, Florida, Louisiana, and Montana.

*** Important CE information for laboratory directors!** If you are working towards ABB certification as an HCLD, BCLD, PHLD, ALD, or ELD, at least twenty (20) continuing education (CE) contact hours in laboratory practice that cover laboratory director responsibilities defined in Section 493.1445, CLIA regulations effective December 28, 2024, now are required as a prerequisite by federal regulations.

The AAB General Knowledge Review Course provides up to eight (8) contact hours of CE that may count towards meeting this new qualifying requirement for laboratory directors. The course covers laboratory safety/ OSHA, emergency preparedness, general laboratory management, HIPAA, physician anti-self-referral law, anti-kickback law, financial management, employment law, and CLIA (including laboratory director responsibilities, patient test management, and quality systems).

Presented by the American Association of Bioanalysts (AAB) and the AAB College of Reproductive Biology (CRB).

Embassy Suites DFW Airport North
2401 Bass Pro Drive, Grapevine, Texas 76051



Registration Form for the 2025 A&E and General Knowledge Review Courses

Name _____		AAB I.D.# _____	
Organization _____		Mobile Telephone () _____	
Address _____			
City _____	State _____	Zip Code _____	
Country _____	Email _____		

PAYMENT METHOD

- ☐ Check or Money Order payable to AAB.
 ☐ Please charge my ☐ American Express ☐ MasterCard ☐ VISA ☐ Discover

Credit Card # _____ Exp. Date ____/____/____ CVC _____

Card verification code

Print name as it appears on card

Cardholder's signature

	EARLY BIRD (on or before 8/15/25)		After 8/15/25	
	Member	Non Member	Member	Non Member
A&E Review Course, Friday/Saturday, Sept. 5-6, 2025 Includes breaks/lunches, updated/expanded 2025 A&E Review Manual (\$395 value) plus speaker PowerPoint presentations for Sept. 5-6, 2025.....	Save up to \$200* \$ 895	\$ 995	\$ 985	\$ 1095 \$ _____
General Knowledge Review Course, Sunday, Sept. 7, 2025 Includes breaks, lunch, updated/revised 2025 General Knowledge Manual for the Clinical Lab Director (HCLD) (\$195 value) plus speaker PowerPoint presentations in General Knowledge for Sept. 7, 2025.....	Save up to \$105** \$ 445	\$ 495	\$ 500	\$ 550 \$ _____
Review Course Bundle, Friday/Saturday/Sunday, Sept. 5-7, 2025 Includes breaks, lunches, updated/expanded 2025 A&E Review Manual (\$395 value) updated/revised 2025 General Knowledge Manual for the Clinical Lab Director (HCLD) (\$195 value) plus all speaker PowerPoint presentations for Sept. 5-7, 2025.....	Save up to \$505*** \$ 1140	\$ 1265	\$ 1260	\$ 1400 \$ _____

Special member and early bird savings

*** A&E Review – Save up to \$200!** Register by **August 15, 2025**, and save **\$100** off the regular member registration fee plus an additional **\$100** off the non-member fee.

**** General Knowledge Review – Save up to \$105!** Register by **August 15, 2025**, and save **\$55** off the regular member registration fee plus an additional **\$50** off the non-member fee.

***** A&E / GK Review Bundle – Save up to \$505!** Register by **August 15, 2025**, and save **\$120** off the regular member registration fee plus an additional **\$140** off the non-member fee and up to **\$505** off the unbundled non-member price.

AAB Membership - Join AAB and receive member discounts for the A&E and General Knowledge Review Courses

- ☐ Director \$295 ☐ Manager \$120 ☐ Supervisor \$120 \$ _____
☐ AAB College of Reproductive Biology (CRB) Membership. **FREE** to AAB members In good standing. \$ FREE

Job Duties _____

Do you have any ownership interest in your laboratory? ☐ YES ☐ NO

AMOUNT PAID \$

THREE EASY WAYS TO REGISTER:

Phone: Call (314)241-1445 and have your credit card information ready. (American Express/MC/VISA/Discover ONLY.)

Fax: Here's our 24-hour FAX number for your convenience (314)241-1449. Fill out the registration form with your credit card information.

Mail: Fill out the order form and mail with applicable payment to: AAB, 906 Olive Street, Suite 1200, St. Louis, MO 63101-1448.

Hotel Reservations: CRB's 2025 Andrology & Embryology Review Course is being held at the Embassy Suites by Hilton Grapevine DFW Airport North, 2401 Bass Pro Drive, Grapevine, TX 76051, located two miles from DFW International Airport.

Make your hotel reservations as soon as possible ONLINE (<https://www.hilton.com/en/attend-my-event/ae-review-course-2025/>) or by calling the Embassy Suites – Outdoor World at (972)724-2600, option #1, and ask for rooms reserved for the A&E Review Course 2025. The room rate is \$179.00 per night, single or double occupancy, plus applicable taxes (currently 13%) plus a state cost recovery fee of 0.975%.

Individuals who reserve a room at the Embassy Suites will also receive a free fully cooked-to-order breakfast including a buffet of hot and cold items plus a reception each evening with free drinks and snacks.

Andrology & Embryology and General Knowledge Review Courses

Preliminary Schedule of Events

FRIDAY, SEPTEMBER 5, 2025

- 6:30 a.m.-7:00 a.m.
Registration and Check-in
- 7:00 a.m.-7:05 a.m.
Welcome
Joseph Conaghan, Ph.D., HCLD/ELD/CC(ABB)
- 7:05 a.m.-8:15 a.m.
**Male Reproductive Function:
Development of the Male Genitourinary
Tract and Birth Defects**
Dolores J. Lamb, Ph.D., HCLD(ABB)
- 8:15 a.m.-9:25 a.m.
**Male Reproductive Function:
Spermatogenesis
and Male Reproductive Tract Biology**
Ricardo Pimenta Bertolla, D.V.M., Ph.D.,
HCLD(ABB)
- 9:25 a.m.-9:55 a.m.
Break
- 9:55 a.m.-11:05 a.m.
**Female Physiology and Reproductive
Function**
Nikki Winston, Ph.D., HCLD/CC/ALD(ABB)
- 11:05 a.m.-12:00 p.m.
Ovulation Induction and Female Infertility
Richard T. Scott, M.D., HCLD/ALD(ABB)
- 12:00 p.m.-1:00 p.m.
Lunch
- 1:00 p.m.-1:55 p.m.
Male Reproductive Function - Infertility
Scott Lundy, M.D., Ph.D., HCLD(ABB)
- 1:55 p.m.-3:05 p.m.
Semen Analysis and Advanced Diagnostics
Dolores J. Lamb, Ph.D., HCLD(ABB)
- 3:05 p.m.-3:35 p.m.
Break
- 3:35 p.m.-4:20 p.m.
Reproductive Genetics
Dolores J. Lamb, Ph.D., HCLD(ABB)
Scott Lundy, M.D., Ph.D., HCLD(ABB)
- 4:20 p.m.-5:05 p.m.
**Male Contribution to the Embryo and
Offspring**
Dolores J. Lamb, Ph.D., HCLD(ABB)
- 5:05 p.m.- 6:00 p.m.
Gamete Preparation
Nikki Winston, Ph.D., HCLD/CC/ALD(ABB)

SATURDAY, SEPTEMBER 6, 2025

- 7:30 a.m.-8:00 a.m.
Intro and Exam Logistics
Marina O. Gvakharia, M.D., Ph.D., HCLD/
ELD(ABB)
- 8:00 a.m.-8:55 a.m.
Micromanipulation
Joseph Conaghan, Ph.D., HCLD/ELD/
CC(ABB)
- 8:55 a.m.-10:05 a.m.
**Fertilization and Early Embryonic
Development**
Nikki Winston, Ph.D., HCLD/CC/ALD(ABB)
- 10:05 a.m.-10:35 a.m.
Break
- 10:35 a.m.-11:45 a.m.
Culture Techniques
Joseph Conaghan, Ph.D., HCLD/ELD/
CC(ABB)
- 11:45 a.m.-12:00 p.m.
**Contemporary Embryo Transfer Art
and Science**
Richard T. Scott, M.D., HCLD/ALD(ABB)
- 12:00 p.m.-1:00 p.m.
Lunch
- 1:00 p.m.-1:30 p.m.
Embryo Selection for Transfer
Marina O. Gvakharia, M.D., Ph.D., HCLD/
ELD(ABB)
- 1:30 p.m.-2:40 p.m.
Preimplantation Genetic Testing
Richard T. Scott, M.D., HCLD/ALD(ABB)
- 2:40 p.m.-3:25 p.m.
Cryopreservation - Theory
Joseph Conaghan, Ph.D., HCLD/ELD/
CC(ABB)
- 3:25 p.m.-3:55 p.m.
Break
- 3:55 p.m.-4:50 p.m.
Cryopreservation - Practical
Joseph Conaghan, Ph.D., HCLD/ELD/
CC(ABB)
- 4:50 p.m.-5:30 p.m.
**FDA-HCTP Regulations & Fertility Clinic
Success Rate Certification Act**
Melanie Clemmer, Ph.D., HCLD(ABB)

- 5:30 p.m.-6:25 p.m.
**Total Quality Management in the
IVF Laboratory**
Joseph Conaghan, Ph.D., HCLD/ELD/CC(ABB)

SUNDAY, SEPTEMBER 7, 2025

General Knowledge Course Begins

- 6:30 a.m.-7:00 a.m.
Registration and Check-in
- 7:00 a.m.-7:05 a.m.
Opening Remarks
Melanie Clemmer, Ph.D., HCLD(ABB)
- 7:05 a.m.-8:30 a.m.
**Laboratory Management: Laboratory Safety,
including OSHA and Disaster Preparedness**
Robert I. Footlik, M.S., MLS(ASCP),
HCLD(ABB-Ret)
- 8:30 a.m.-8:45 a.m.
Break
- 8:45 a.m.-10:15 a.m.
**Laboratory Management:
General Laboratory Management**
Robert I. Footlik, M.S., MLS(ASCP),
HCLD(ABB-Ret)
- 10:15 a.m.-10:30 a.m.
Break
- 10:30 a.m.-12:00 p.m.
**Laboratory Management:
General Laboratory Management continued**
Robert I. Footlik, M.S., MLS(ASCP),
HCLD(ABB-Ret)
- 12:00 p.m.-1:00 p.m.
Lunch
- 1:00 p.m.-3:00 p.m.
Laboratory Management: CLIA '88
Robert I. Footlik, M.S., MLS(ASCP),
HCLD(ABB-Ret)
- 3:00 p.m.-3:30 p.m.
Break
- 3:30 p.m.-4:45 p.m. **Laboratory Management:
Financial Management and Employment Law**
Melanie Clemmer, Ph.D., HCLD(ABB)
- 4:45 p.m.-5:15 p.m. **Laboratory Management:
Q&A and Discussion**

CANCELLATION POLICY

Cancellations received on or prior to August 18, 2025 are subject to a \$25 cancellation fee. A \$75 cancellation fee will apply to all cancellations received after August 18, 2025. No refunds will be made for cancellations after August 25, 2025, but substitutions can be made at any time.

AAB's Andrology & Embryology and General Knowledge Review Courses

The Andrology & Embryology and General Knowledge Review Courses return in-person for the first time since 2017! The courses are ideal to study and prepare for ABB certification examinations, earn continuing education credit, and enhance your knowledge.

Organized by the **American Association of Bioanalysts (AAB)** and the **AAB College of Reproductive Biology (CRB)** to help individuals prepare for certification examinations, including the American Board of Bioanalysis (ABB) certification examinations for Directors and Technical Supervisors in the disciplines of andrology, embryology and general knowledge. The Andrology & Embryology and General Knowledge Review Courses are also an excellent review for individuals entering the field or for those who need a refresher course.

Andrology & Embryology topics include:

- An overview of male and female reproductive physiology covering topics from the hypothalamic-pituitary-gonadal axis, gametogenesis, fertilization and embryo biology
- Semen analysis, advanced diagnostic testing in andrology, sperm preparation and cryopreservation for ART, and the male contribution to the embryo and offspring.
- Basic assisted reproductive technologies, including assessment of gametes, zygotes and embryos, culture media preparation, quality control testing, gamete and embryo cryopreservation, and micromanipulation.
- Reproductive genetics
- FDA regulations
- Fertility Clinic Success Rate Certification Act

General Knowledge topics include:

- General laboratory administration
- CLIA '88 regulations
- Quality control/quality assurance
- Patient test management
- OSHA regulations
- General laboratory safety
- Laboratory and personnel management

Faculty

An impressive faculty of leading experts in the fields of reproductive biology and assisted reproductive technologies (ART) has been assembled for this course.

Ricardo Pimenta Bertolla, D.V.M., Ph.D., HCLD(ABB)

Wayne State University, Department of Obstetrics & Gynecology, Detroit, Michigan

Melanie Clemmer, Ph.D., HCLD(ABB)

WVU Center for Reproductive Medicine, Morgantown, West Virginia

Joseph Conaghan, Ph.D., HCLD/ELD/CC(ABB)

CCRM Fertility, San Francisco, California

Robert I. Footlik, M.S., MLS(ASCP), HCLD(ABB-Ret)

Special Consultant, AAB/NILA/ABB/CRB

Marina O. Gvakharia, M.D., Ph.D., HCLD/ELD(ABB)

Palo Alto Medical Foundation, San Jose, California

Dolores J. Lamb, Ph.D., HCLD(ABB)

University of Missouri – Kansas City School of Medicine, Kansas City, Missouri

Scott Lundy, M.D., Ph.D., HCLD(ABB)

Cleveland Clinic, Cleveland, Ohio

Richard T. Scott, M.D., HCLD/ALD(ABB)

Foundation for Embryonic Competence, Sunset, South Carolina

Nikki Winston, Ph.D., HCLD/CC/ALD(ABB)

University of Illinois at Chicago, Chicago, Illinois

American Board of Bioanalysis (ABB)

The American Board of Bioanalysis (ABB) was created in response to the passage of the 1966 Medicare regulations and CLIA of 1967, which defined and mandated the qualifications for a Laboratory Director. ABB began credentialing Laboratory Directors in 1968. ABB's certification program later was expanded to include Technical Supervisors, General Supervisors, and Laboratory Managers. ABB again expanded its certification program in 2002 to include Embryology Laboratory Directors (ELDs).

ABB is recognized as a certifying agency for Directors under CLIA regulation 493.1443(3)(i) and as a certifying agency for Clinical Consultants under CLIA regulations 493.1417 and 493.1457. In addition, most state laboratory programs recognize ABB's director certifications.

Application for Certification & Examination

ABB's certification standards brochure and application for certification are available online at **www.abbcert.org**. Processing of ABB applications for board review requires a minimum of ten weeks.

Avoid delays in processing by completing the application online: aab.org/aab/Application_Instruction.asp

Inquiries to:

American Board of Bioanalysis
906 Olive Street, Suite 1200
St. Louis, MO 63101-1448

Telephone: (314)241-1445

Fax: (314)241-1449

Email: abb@abbcert.org

Comments From Past Attendees*

"Good quality speakers. Excellent slides and presentations."

"This course made me a better lab director."

"The small forum allowed for more interaction with the faculty."

"The Review Course Manual is top notch-very well put together!"

"Well organized, very thorough, comprehensive, and informative."

**Submitted with course evaluation forms*