Andrology & Embryology
Review Course - 2017
March 24-26, Friday, Saturday and Sunday

“Well organized, very thorough, comprehensive, and informative”
(See page 4 for other comments from individuals who have attended AAB’s A&E Review Courses.)

New Hotel (same location):
Hilton DFW Lakes Hotel/Executive Conference Center
Located across the street from/behind the Embassy Suites
1800 Highway 26 East
Grapevine, Texas 76051

PEER (American Board of Bioanalysis) approved for 2.25 CEUs. PEER approved CEUs may be used to meet the CEU licensure requirements in the states of Florida and California.

Presented by the

American Association of Bioanalysts’ College of Reproductive Biology (AAB/CRB)
# 2017 A&E REVIEW COURSE REGISTRATION FORM

| Name: ____________________________ | AAB I.D. #: __________ |
| Lab: __________________________ | Daytime Telephone ( ): __________ |
| Address: ____________________________ | State: __________ | Zip Code: __________ |

## PAYMENT METHOD
- [ ] Check or Money Order payable to AAB.
- [ ] Please charge my
  - [ ] American Express
  - [ ] MasterCard
  - [ ] VISA
  - [ ] Discover

**Credit Card # ____________________________**
**Exp. Date __________/_________**
**CVC __________**

Print name as it appears on card

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**Review Course Registration - AAB Member (SAVE $80)**


Includes breaks, lunches, updated/revised 2017 A&E Review Manual and a copy of speaker PowerPoint presentations.

**Review Course Registration - Nonmember**

| $795 | $840 | $________ |

Includes same as above.

**General Knowledge - Lab Management ONLY**

| $255 | $345 | $________ |

Includes breaks, lunches, updated/revised 2017 General Knowledge for the Clinical Lab Director (HCLD) and a copy of speaker PowerPoint presentations in General Knowledge.

**General Knowledge - Nonmember**

| $295 | $395 | $________ |

Includes same as above.

### Special SAVINGS For Multiple Registrations from the Same Laboratory  **SAVE $65 PER PERSON**

Save an additional $65 off the second and subsequent A&E Review Course registrations from one laboratory. For each registration after the first registration deduct an additional $65 per registration from the applicable fee. AAB members deduct $65 from the AAB member rate, and nonmembers deduct $65 from the nonmember rate. List additional registrations (other than the first registration) below:

1. [ ] #1 __________________________ Member # __________
2. [ ] #2 __________________________ Member # __________

Print the names of any additional registrations on a separate piece of paper.

### AAB Membership

- [ ] Director $275
- [ ] Manager $90
- [ ] Supervisor $90
- [ ] AAB College of Reproductive Biology (CRB) Membership. FREE to AAB members in good standing.

**Job Duties: ____________________________**

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

**AMOUNT PAID $________**

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**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.

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The Embassy Suites is undergoing meeting space renovations that may not be completed by March 2017, so the A & E Review Course has been moved across the street (behind the Embassy Suites) to the Hilton DFW Lakes Hotel/Executive Conference Center, 1800 Highway 26 East, Grapevine, Texas 76051-9641. The Hilton is just five minutes from the DFW International Airport and offers complimentary 24-hour shuttle service to and from that airport. Make your hotel reservations as soon as possible online at www.aab.org or by calling (800) 984-1344 and ask for rooms reserved for the American Association of Bioanalysts’ Review Course. The room rate is the same as at the Embassy Suites. **$139 per night**, single or double occupancy, plus applicable taxes. **Thursday, March 2, 2017**, is the deadline date for guaranteed room availability at the Hilton. Reservations received after **March 2, 2017**, will be accepted on a space available basis.

Review Course participants who reserve a room at the Hilton DFW Lakes Hotel will receive vouchers for a complimentary breakfast buffet on Friday (3/24), Saturday (3/25), and Sunday (3/26) mornings that includes hot and cold items, plus an hour and a half reception on Thursday (3/23), Friday (3/24), and Saturday (3/25) evenings in Bonnie & Clyde’s Bar and Grill, which includes two complimentary drinks and dry snacks.
FRIDAY, MARCH 24, 2017
7:00 a.m.-8:00 a.m.  Registration
8:00 a.m.-8:05 a.m.  Welcome  
T. Schalue, Ph.D., HCLD/ELD/CC(ABB)
8:05 a.m.-9:35 a.m.  Male Reproductive Physiology and Evaluation of the Infertile Male  
D. Lamb, Ph.D., HCLD(ABB)
9:35 a.m.-9:55 a.m.  Questions and Answers Session for: Male Reproductive Physiology and Evaluation of the Infertile Male
9:55 a.m.-10:25 a.m.  Break
B. Keel, Ph.D., HCLD(ABB)
12:15 p.m.-1:15 p.m.  Lunch
1:40 p.m.-2:25 p.m.  Male Infertility: Reproductive Genetics  
D. Lamb, Ph.D., HCLD(ABB)
2:25 p.m.-2:55 p.m.  Break
2:55 p.m.-3:15 p.m.  Questions and Answers Session for: Male Infertility: Reproductive Genetics
3:15 p.m.-4:00 p.m.  Male Gamete Prep for ART (IUI, IVF, TESE, MESE)  
J. Conaghan, Ph.D., HCLD/ELD/CC(ABB)
4:00 p.m.-4:15 p.m.  Questions and Answers Session for: Male Gamete Prep for ART (IUI, IVF, TESE, MESE)
4:15 p.m.-5:45 p.m.  Female Reproductive Physiology and Evaluation of the Infertile Female  
N. Winston, Ph.D., HCLD/CC/ALD(ABB)

SATURDAY, MARCH 25, 2017
7:30 a.m.-8:00 a.m.  Opening Remarks  
T. Schalue, Ph.D., HCLD/ELD/CC(ABB)
8:00 a.m.-8:20 a.m.  Questions and Answers Session for: Female Reproductive Physiology and Evaluation of the Infertile Female
8:20 a.m.-9:05 a.m.  Culture of Preimplantation Embryos  
J. Conaghan, Ph.D., HCLD/ELD/CC(ABB)
9:05 a.m.-9:15 a.m.  Questions and Answers Session for: Culture of Preimplantation Embryos
9:15 a.m.-10:15 a.m.  Gamete Biology: Fertilization & Preimplantation Development  
N. Winston, Ph.D., HCLD/CC/ALD(ABB)
10:15 a.m.-10:45 a.m.  Break
10:45 a.m.-10:50 a.m.  Questions and Answers Session for: Gamete Biology: Fertilization & Preimplantation Development
10:50 a.m.-11:50 a.m.  Ovarian Stimulation  
Richard Scott, M.D., HCLD/ALD(ABB)
11:50 a.m.-12:00 p.m.  Questions and Answers Session for: Ovarian Stimulation
12:00 p.m.-1:00 p.m.  Lunch
1:00 p.m.-1:30 p.m.  Micromanipulation  
J. Conaghan, Ph.D., HCLD/ELD/CC(ABB)
1:30 p.m.-1:40 p.m.  Questions and Answers Session for: Micromanipulation
1:40 p.m.-2:25 p.m.  Genetics of Reproduction: PGD/PGS  
Richard Scott, M.D., HCLD/ALD(ABB)
2:25 p.m.-2:55 p.m.  Questions and Answers Session for: Genetics of Reproduction: PGD/PGS
2:55 p.m.-3:05 p.m.  Questions and Answers Session for: Embryo Selection and Transfer Preparation
3:05 p.m.-3:35 p.m.  Embryo Selection and Transfer Preparation  
N. Winston, Ph.D., HCLD/CC/ALD(ABB)
3:35 p.m.-3:45 p.m.  Questions and Answers Session for: Embryo Selection and Transfer Preparation
3:45 p.m.-4:30 p.m.  Embryo Transfer and How It Affects Outcome and Management of the Patient Post Transfer  
Richard Scott, M.D., HCLD/ALD(ABB)
4:30 p.m.-4:40 p.m.  Questions and Answers Session for: Embryo Transfer and How It Affects Outcome and Management of the Patient Post Transfer
4:40 p.m.-5:40 p.m.  Cryopreservation of Reproductive Cells and Tissue  
J. Conaghan, Ph.D., HCLD/ELD/CC(ABB)
5:40 p.m.-6:00 p.m.  Questions and Answers Session for: Cryopreservation of Reproductive Cells and Tissue

SUNDAY, MARCH 26, 2017
7:50 a.m.-8:00 a.m.  Opening Remarks  
T. Schalue, Ph.D., HCLD/ELD/CC(ABB)
8:00 a.m.-8:30 a.m.  Quality Control, Assurance, and Improvement in the IVF Laboratory  
J. Conaghan, Ph.D., HCLD/ELD/CC(ABB)
8:30 a.m.-8:45 a.m.  Questions and Answers Session for: Quality Control, Assurance, and Improvement in the IVF Laboratory
8:45 a.m.-9:45 a.m.  ABB Examination Logistics  
T. Schalue, Ph.D., HCLD/ELD/CC(ABB)
9:45 a.m.-10:15 a.m.  Break

Joint HCLD, ELD and MT Session
10:15 a.m.-12:15 p.m.  Lab Management - Part I: CLIA, OSHA  
(B For HCLD, ELD and MT)
B. Keel, Ph.D., HCLD(ABB)
T. Schalue, Ph.D., HCLD/ELD/CC(ABB)
12:15 p.m.-1:15 p.m.  Lunch
1:15 p.m.-2:30 p.m.  Lab Management - Part II: Labor Laws, General Management, Compliance Plans, and Fertility Clinic Success Rate Certification Act FDA-HCTP Regulations  
(B For HCLD, ELD and MT)
B. Keel, Ph.D., HCLD(ABB)
T. Schalue, Ph.D., HCLD/ELD/CC(ABB)
2:30 p.m.-2:45 p.m.  Break
2:45 p.m.-4:00 p.m.  Lab Management - Part II: Labor Laws, General Management, Compliance Plans, and Fertility Clinic Success Rate Certification Act FDA-HCTP Regulations  
(B For HCLD, ELD and MT)
B. Keel, Ph.D., HCLD(ABB)
T. Schalue, Ph.D., HCLD/ELD/CC(ABB)

CANCELLATION POLICY
Cancellations received on or prior to March 6, 2017, are subject to a $25 cancellation fee. A $75 cancellation fee will apply to all cancellations received after March 6, 2017. No refunds will be made for cancellations after March 13, 2017, but substitutions can be made at any time.
**Expanded Format**

The format for the 2017 A&E Review includes a third full day on content, allowing for interactive Question and Answer learning sessions and new content to be included in the course. The Review Manual will also be completely updated for the 2017 A&E Review Course.

**Who Should Attend**

The course is designed for laboratory directors, supervisors, technologists/technicians, physicians, nurses, clinical support staff, graduate students, residents and fellows as a comprehensive review course on reproductive biology and Assisted Reproductive Technology.

This course is also designed to assist individuals who are applying for certification as directors, technical supervisors, and medical technologists, and who will be taking certifying exams for andrology and/or embryology from the American Board of Bioanalysis (ABB) and the AAB Board of Registry (ABOR).

Participants should possess a basic knowledge of reproductive biology, assisted reproductive technology or clinical laboratory technology.

**Course Objectives**

The Clinical Laboratory Improvement Amendments of 1988 (CLIA ’88) require that (after February 24, 2003) directors of High Complexity Laboratories possess a doctoral degree and be board certified.

Currently there are only eight certifying boards recognized by CLIA. Of these, the American Board of Bioanalysis (ABB) is the only board offering certification for Directors and Technical Supervisors in the disciplines of andrology and embryology.

One of the requirements for certification through the ABB is documentation of having passed an acceptable examination that tests technical knowledge in andrology and/or embryology, as well as knowledge of general laboratory management and supervision. This Review Course is being offered to help prepare applicants for taking such an examination, and it is also an excellent review for individuals entering the field or for those who need a refresher course.

An impressive faculty of leading experts in the fields of reproductive biology and assisted reproductive technologies (A.R.T.) have been assembled for this review course.

General laboratory topics will be covered, including the CLIA ’88 regulations, quality control and assurance, patient test management, OSHA regulations, FDA regulations, general laboratory safety, and laboratory and personnel management.

An overview of male and female reproductive functions will be presented covering topics from the hypothalamic-gonadal axis to gamete and embryo biology.

Semen analysis, sperm function and antisperm antibody testing, sperm preparation and cryopreservation, and other areas of laboratory andrology will be discussed.

Finally, lectures on the A.R.T. laboratory will cover topics of basic assisted reproductive technologies, such as the assessment of oocytes, embryos, and the fertilization process, culture media preparation, quality control testing, embryo cryopreservation, and micromanipulation.

**Faculty**

Joseph Conaghan, Ph.D., HCLD/ELD/CC(ABB)
Pacific Fertility Center, San Francisco, California

Brooks Keel, Ph.D., HCLD(ABB)
Augusta University, Augusta, Georgia

Dolores J. Lamb, Ph.D., HCLD(ABB)
Baylor College of Medicine, Houston, Texas

Tammie Schalue, Ph.D., HCLD/ELD/CC(ABB)
American Association of Bioanalysts, Augusta, Georgia

Richard Scott, M.D., HCLD/ALD(ABB)
RMA of New Jersey, Basking Ridge, New Jersey

Nicola Winston, Ph.D., HCLD/CC/ALD(ABB)
University of Illinois at Chicago, Chicago, Illinois

**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 six to eight weeks. Avoid delays in processing by completing the application in its entirety and forwarding to ABB along with required documentation (transcripts, reference letters, etc.).

Inquiries to:

American Board of Bioanalysis
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