



***CRB Pre-Conference Workshop – May 15, 2019***

***Alert and Alarmed – A Mini-Symposium on IVF  
Laboratory Safety and Alarm Monitoring***

This workshop will focus on one of the hottest topics facing the modern IVF laboratory, specifically LN<sub>2</sub> specimen tank storage and security. IVF laboratory directors and operation directors from prominent storage facilities will discuss LN<sub>2</sub> storage tank alarms and security, tank storage and backups, tank maintenance and disaster preparedness, as well as gas tank usage/safety (O<sub>2</sub> room depletion), and Dewar shipping/receiving of frozen tissues.

Workshop participants will receive a LN<sub>2</sub> training presentation and online LN<sub>2</sub> training certification from a licensed cryogenics safety trainer.

***23<sup>rd</sup> Annual CRB Symposium – May 16-18, 2019***

***Essential Elements of the Modern IVF Laboratory***

- **14 Educational Sessions**
- **Oral Abstract Presentations**
- **Roundtables**
- **Poster Session**
- **Networking Events**
- **The Latest Science and Technology from  
Leading Manufacturers and Suppliers**

**Sheraton New Orleans Hotel  
New Orleans, Louisiana**

***ABB/PEER-Approved for up to 24.5 Contact Hours***

# 23<sup>rd</sup> Annual CRB Symposium

May 16-18, 2019 • Sheraton New Orleans Hotel • New Orleans, Louisiana  
**Preliminary Schedule of Events**

as of January 2, 2019

## Wednesday, May 15, 2019

Time	Pre-Conference Events		
7:00 a.m. - 5:30 p.m.	Conference Registration <span style="float: right;">Napoleon CD123</span>		
7:00 a.m. - 5:00 p.m.	American Board of Bioanalysis (ABB) Meeting <span style="float: right;">Maurepas</span>		
8:00 a.m. - 4:00 p.m.	American Board of Bioanalysis (ABB) Examination <span style="float: right;">Armstrong</span>		
9:00 a.m. - 12:00 p.m.	<p><b>CRB Workshop – Alert and Alarmed: A Mini-Symposium on IVF Laboratory Safety and Alarm Monitoring</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Overview of Cryostorage Management</b></p> <p><i>W. Brent Hazelrigg</i>                      ReproTech, Ltd.                      Columbia, Missouri</p> <p><b>LN<sub>2</sub> Tank Safety and Security</b></p> <p><i>Don Fish</i>                      California Cryobank                      Los Angeles, California</p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Disaster Preparedness</b></p> <p><i>Charles L. Bormann, PhD, HCLD(ABB)</i>                      Massachusetts General Hospital                      Boston, Massachusetts</p> </td> </tr> </table> <p style="text-align: right;">3 Hours Borgne</p>	<p><b>Overview of Cryostorage Management</b></p> <p><i>W. Brent Hazelrigg</i>                      ReproTech, Ltd.                      Columbia, Missouri</p> <p><b>LN<sub>2</sub> Tank Safety and Security</b></p> <p><i>Don Fish</i>                      California Cryobank                      Los Angeles, California</p>	<p><b>Disaster Preparedness</b></p> <p><i>Charles L. Bormann, PhD, HCLD(ABB)</i>                      Massachusetts General Hospital                      Boston, Massachusetts</p>
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12:00 p.m. – 1:00 p.m.	Lunch On Your Own		
1:00 p.m. - 4:00 p.m.	<p><b>CRB Workshop (continued) – Alert and Alarmed: A Mini-Symposium on IVF Laboratory Safety and Alarm Monitoring</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Shipping Cryotanks / Dewars</b></p> <p><i>Marlane J. Angle, PhD, HCLD/CC(ABB)</i>                      Laurel Fertility Center                      San Francisco, California</p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>LN<sub>2</sub> Tank Safety Training</b></p> <p><i>Michael F. Myers, MSc, ELD(ABB)</i>                      Cryogenics Safety Solutions                      Dayton, Ohio                      The Fertility Wellness Institute                      West Chester, Ohio</p> </td> </tr> </table> <p style="text-align: right;">3 Hours Borgne</p>	<p><b>Shipping Cryotanks / Dewars</b></p> <p><i>Marlane J. Angle, PhD, HCLD/CC(ABB)</i>                      Laurel Fertility Center                      San Francisco, California</p>	<p><b>LN<sub>2</sub> Tank Safety Training</b></p> <p><i>Michael F. Myers, MSc, ELD(ABB)</i>                      Cryogenics Safety Solutions                      Dayton, Ohio                      The Fertility Wellness Institute                      West Chester, Ohio</p>
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5:30 p.m. - 10:00 p.m.	AMS Administrative Board Meeting and Dinner <span style="float: right;">Maurepas</span>		

## Thursday, May 16, 2019

Time	CRB Symposium: Essential Elements of the Modern IVF Lab
7:00 a.m. - 7:00 p.m.	Conference Registration <span style="float: right;">Napoleon CD123</span>
7:30 a.m. - 8:45 a.m.	Continental Breakfast <span style="float: right;">Napoleon CD123</span>
8:45 a.m. - 9:45 a.m.	<p><b>KEYNOTE: Historical Perspective of IVF</b></p> <p><i>David H. McCulloh, PhD, HCLD/CC(ABB)</i>                      New York University Langone Fertility Center                      New York, New York</p> <p style="text-align: right;">1 Hour Napoleon AB123</p>
9:45 a.m. - 10:45 a.m.	<p><b>From Good to Great: Strategic Use of Key Performance Indicators to Optimize IVF Laboratory Performance</b></p> <p><i>Amy E. Sparks, PhD, HCLD(ABB)</i>                      University of Iowa Dept. of Obstetrics &amp; Gynecology                      Iowa City, Iowa</p> <p style="text-align: right;">1 Hour Napoleon AB123</p>
10:45 a.m. - 11:15 a.m.	Break <span style="float: right;">Napoleon CD123</span>

**Thursday, May 16, 2019 (continued)**

<b>Time</b>	<b>CRB Symposium: Essential Elements of the Modern IVF Lab</b>	
11:15 a.m. - 12:15 p.m.	<p><b>Microfluidic Sorting of Sperm for Applications in Assisted Reproductive Technologies</b></p> <p><i>Utkan Demirci, PhD</i> Stanford University School of Medicine Palo Alto, California</p>	1 Hour Napoleon AB123
12:15 p.m. - 2:00 p.m.	CRB Luncheon / Roundtables / Business Meeting	1 Hour Armstrong
2:00 p.m. - 3:00 p.m.	<p><b>The Value of Evaluating Embryos from Days 1 – 3</b></p> <p><i>Catherine Racowsky, PhD, HCLD/ELD(ABB)</i> Brigham and Women's Hospital, Harvard Medical School Boston, Massachusetts</p>	1 Hour Napoleon AB123
3:00 p.m. - 3:30 p.m.	Break	Napoleon CD123
3:30 p.m. - 4:30 p.m.	<p><b>Should We Freeze It? Redefining Blastocyst Viability</b></p> <p><i>Dean Morbeck, PhD, HCLD/CC(ABB)</i> Fertility Associates Auckland, New Zealand</p>	1 Hour Napoleon AB123
4:30 p.m. - 5:30 p.m.	<p><b>Preimplantation Genetic Testing: Controversies and Future Directions</b></p> <p><i>Tony Gordon, PhD</i> CooperGenomics London, United Kingdom</p>	1 Hour Napoleon AB123
6:00 p.m. - 7:00 p.m.	Welcoming Reception	Napoleon CD123
<b>Friday, May 17, 2019</b>		
<b>Time</b>	<b>CRB Symposium: Essential Elements of the Modern IVF Lab</b>	
7:00 a.m. - 5:30 p.m.	Conference Registration	Napoleon CD123
7:30 a.m. - 8:45 a.m.	Continental Breakfast	Napoleon CD123
8:45 a.m. - 9:45 a.m.	<p><b>Personalized Treatment Plans: The Role of the Patient in the “PGT-A for All” vs “Give Embryo a Chance” Debate</b></p> <p><i>Dean Morbeck, PhD, HCLD/CC(ABB)</i> Fertility Associates Auckland, New Zealand</p>	1 Hour Napoleon AB123
9:45 a.m. - 10:45 a.m.	<p><b>The Recent Evolution of Sperm Retrieval and Selection for ICSI</b></p> <p><i>Paul Turek, MD, FACS, FRSM</i> The Turek Clinic San Francisco, California</p>	1 Hour Napoleon AB123
10:45 a.m. – 11:15 a.m.	Break	Napoleon CD123
11:15 a.m. - 12:15 p.m.	<p><b>Reprogramming Human Immune Cells with CRISPR</b></p> <p><i>Alexander Marson, MD, PhD</i> UCSF Medical Center San Francisco, California</p>	1 Hour Napoleon AB123
12:15 p.m. - 2:00 p.m.	CRB Luncheon / Sponsor Roundtables	1 Hour Armstrong

**Friday, May 17, 2019 (continued)**

<b>Time</b>	<b>CRB Symposium: Essential Elements of the Modern IVF Lab</b>	
2:00 p.m. - 3:00 p.m.	<b>CRISPR: Reproductive Ethics</b> <i>Danielle E. Holley, Esq, JD, MS</i> O'Connell and Aronowitz Attorneys at Law Albany, New York	1 Hour Napoleon AB123
3:00 p.m. - 3:30 p.m.	Break	Napoleon CD123
3:30 p.m. - 4:30 p.m.	<b>Fertility Preservation for Men, Women and Children</b> <i>Francesca E. Duncan, PhD</i> Northwestern University Chicago, Illinois	1 Hour Napoleon AB123
4:30 p.m. - 6:00 p.m.	<b>Oral Abstracts</b>	1.5 Hours Napoleon AB123
6:00 p.m. - 7:00 p.m.	<b>Poster Session and AAB Reception for All Conference Attendees</b>	1 Hour Armstrong

**Saturday, May 18, 2019**

<b>Time</b>	<b>CRB Symposium: Essential Elements of the Modern IVF Lab</b>	
7:00 a.m. - 12:30 p.m.	Conference Registration	Napoleon CD123
7:45 a.m. - 9:00 a.m.	Continental Breakfast	Napoleon CD123
8:00 a.m. - 9:00 a.m.	AAB Business Meeting (Open to All AAB Members)	Borgne
9:00 a.m. - 10:00 a.m.	<b>Rethinking Cryostorage</b> <i>Kimball O. Pomeroy, PhD, HCLD(ABB)</i> The World Egg Bank Phoenix, Arizona	1 Hour Napoleon AB123
10:00 a.m. - 10:30 a.m.	Break	Napoleon CD123
10:30 a.m. - 11:30 a.m.	<b>SART CORS and Clinical Summary Report – Where is the Benefit?</b> <i>Amy E. Sparks, PhD, HCLD(ABB)</i> University of Iowa Dept. of Obstetrics and Gynecology Iowa City, Iowa	1 Hour Napoleon AB123
11:30 a.m. - 12:30 p.m.	<b>Flip My Lab: Remodeling the Modern Day Lab</b> <i>Barry R. Behr, PhD, HCLD/ELD/CC(ABB)</i> Stanford University Medical Center Sunnyvale, California	1 Hour Napoleon AB123
12:30 p.m. - 5:30 p.m.	AAB Board of Directors Meeting	Maurepas

**Preliminary Breakdown of Continuing Education**

CRB Workshop .....	6 Contact Hours
CRB Symposium .....	18.5 Contact Hours
CRB Symposium and Workshop .....	24.5 Contact Hours

The Workshop and CRB Symposium have been approved by PEER (American Board of Bioanalysis). In addition, contact hours earned can be used to satisfy CE requirements in the states of California, Florida, Louisiana and Montana.

## CALL FOR ABSTRACTS

### *\$250 Cash Prizes for Two Best Abstracts*

Share your knowledge and position yourself as a subject matter expert by presenting at the 2019 CRB Symposium/AAB Conference. Two \$250 cash prizes will be presented for the two best abstracts submitted. Abstracts on assisted reproductive technology (ART) or traditional laboratory topics are

being accepted for consideration. Submit an abstract for oral presentation or for the poster session. Oral presentations are limited to ART topics. ART abstracts accepted for oral or poster presentation will be published in RBM Online following the meeting.

***Deadline for submission is Friday, March 15, 2019.***  
***For more information, visit [www.aab.org](http://www.aab.org) or call (314)241-1445.***

## ROUNDTABLE PRESENTATIONS

### *for May 16 Roundtable Luncheon*

Registrants are invited to present ART or traditional laboratory topics at the roundtable luncheon on Thursday, May 16. Presentations must be non-commercial and based on scientific merit. The

speaker's task is to inform participants about the science/technology rather than showcase particular equipment, products or services.

***Space is limited. Contact LeAnn at the AAB office for details.***  
***Call (314) 241-1445 or email [aab@aab.org](mailto:aab@aab.org), attention: LeAnn.***

## Financial Assistance to Attend the Symposium/Conference

AAB's Financial Aid Program was created to assist young scientists and technologists to participate in the annual conference and symposium and to become active in AAB/CRB. Recipients will receive

a financial award that pays their registration fees associated with attending the 2019 Symposium/Conference. March 31, 2019, is the deadline to apply.

***Awardees will be notified by April 5, 2019.***  
***For more information, visit [www.aab.org](http://www.aab.org) or call (314)241-1445.***

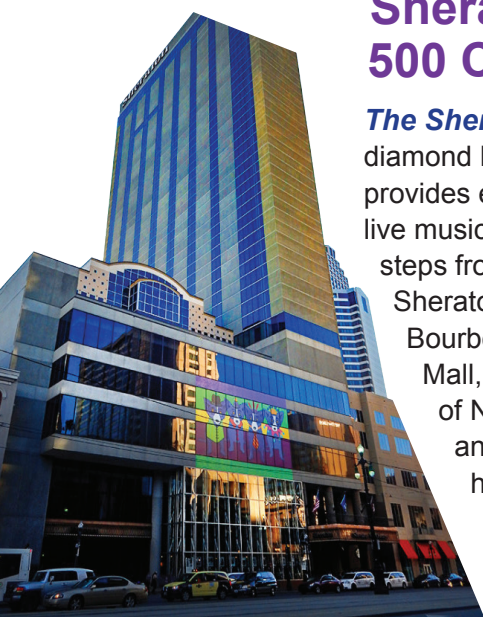




AAB College of Reproductive Biology  
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## Sheraton New Orleans Hotel 500 Canal Street ~ New Orleans, Louisiana

*The Sheraton New Orleans*, a four diamond hotel in downtown New Orleans, provides easy access to world-class dining, live music, great shopping and more. Just steps from the famed French Quarter, the Sheraton is within walking distance of Bourbon Street, the Riverwalk Shopping Mall, the Port of New Orleans and many of New Orleans' famed restaurants and nightspots. Board the nearby historic Canal Street Streetcar Line and venture out to experience all parts of the city.

The group room rate is \$179 per night, single or double occupancy, plus applicable taxes (currently 13.45% plus \$3 Occupancy Tax plus a Tourism Support Assessment of 1.75%).

To make your hotel reservations, call the **Sheraton New Orleans at 1-888-267-7033 or 1-504-525-2500**. Be sure to ask for rooms reserved for the American Association of Bioanalysts. April 23, 2019, is the deadline date for guaranteed availability of hotel rooms. We anticipate rooms will go quickly, so reserve your room early.

