

**2024 AAB Educational Conference, CRB Symposium & Workshop, and NILA Lab Leaders Forum
May 7–10 • Las Vegas (Summerlin), Nevada
JW Marriott Las Vegas Resort & Spa**

Schedule of Events

As of May 2, 2024 v7.1

Tuesday, May 7, 2024		
Time	Pre–Conference Events	
7:00 a.m. – 5:30 p.m.	Conference Registration	Valencia Ballroom
7:00 a.m. – 5:00 p.m.	American Board of Bioanalysis (ABB) Meeting	Murcia Room
8:00 a.m. – 4:00 p.m.	American Board of Bioanalysis (ABB) Certification Examination	Grand Ballroom CDE
8:00 a.m. – 4:00 p.m.	AAB Board of Registry (ABOR) Certification Examination	Grand Ballroom A
8:00 a.m. – 4:00 p.m.	Optional CRB Workshop: Imagining the Future of IVF	Cascade Room
5:00 p.m. – 10:00 p.m.	AMS Administrative Board Meeting	Andalucia Room
Wednesday, May 8, 2024		
Time	CRB Symposium <i>Grand Ballroom CDE</i>	AAB/AMS Technical Program “Bridging the Laboratory and Management Divide” <i>Cataluna Room</i>
7:00 a.m. – 7:30 p.m.	Conference Registration	Valencia Ballroom
7:00 a.m. – 8:00 a.m.	Continental Breakfast	Valencia Ballroom
8:00 a.m. – 8:15 a.m.	Welcome and Opening Remarks	
8:15 a.m. – 9:15 a.m.	Keynote Presentation: Staffing Considerations for the Modern IVF Lab <i>Jason E. Swain, M.S., Ph.D., HCLD(ABB)</i> CCRM Fertility <i>Introduction/Moderator: Marlane J. Angle, PhD, HCLD/CC(ABB)</i>	The Application of Genomics to Drug-Resistant Hospital Acquired Infections <i>Mark Pandori, Ph.D., HCLD(ABB)</i> Director, Nevada State Public Health Laboratory

Wednesday, May 8, 2024 (continued)		
Time	CRB Symposium Grand Ballroom CDE	AAB/AMS Technical Program “Bridging the Laboratory and Management Divide” Cataluna Room
9:15 a.m. – 10:15 a.m.	<p>The Human Oocyte as the Centerpiece of Developmental Continuity <i>David F. Albertini, Ph.D.</i> Professor of Reproductive Cell Biology, Bedford Research Foundation, Bedford, Massachusetts Editor-in-Chief, Journal of Assisted Reproduction and Genetics Visiting Scientist, Center for Human Reproduction and The Rockefeller University, New York, New York</p> <p><i>Introduction/Moderator: Marlane J. Angle, PhD, HCLD/CC(ABB)</i></p>	<p>Wastewater-Based Epidemiology <i>Charles Gerba, Ph.D., aka “Dr. Germ”</i> Professor of Virology, Dept. of Environmental Sciences WEST Center, University of Arizona</p>
10:15 a.m. – 10:45 a.m.	Break	Valencia Ballroom
10:45 a.m. – 11:45 a.m.	<p>Improved Evaluation and Processing of Semen and Sperm in the ART Setting <i>Charles “Chip” Muller, Ph.D., HCLD/CC(ABB)</i> Male Fertility Lab, Men’s Health Center, Dept. of Urology, University of Washington School of Medicine, Seattle, Washington</p> <p><i>Introduction/Moderator: Matthew C. Hudnall, MS, TS(ABB), CLC(AMT)</i></p>	<p>Diagnostic Medical Parasitology 2024 Update <i>Lynne S. Garcia, MS, F(AAM), CLS, BLM</i> Director, LSG & Associates</p>
11:45 a.m. – 1:15 p.m.	Lunch and Scientific Roundtable Presentations	Marquis 6/7/8
1:15 p.m. – 2:15 p.m.	<p>Validating Embryo Diagnostics <i>Richard Scott Jr., M.D., HCLD/ALD(ABB)</i> Foundation for Embryonic Competence Basking Ridge, New Jersey</p> <p><i>Introduction/Moderator: Matthew C. Hudnall, MS, TS(ABB), CLC(AMT)</i></p>	<p>SARS-CoV-2: Infections and Vaccines Update <i>John H. Hughes, Ph.D.</i> Professor Emeritus, The Ohio State University</p>
2:15 p.m. – 3:15 p.m.	<p>Imaging the Preimplantation Embryo <i>Rian Salasin Chrobocinski, Ph.D.</i> Division of Reproductive Endocrinology and Infertility, University of Pennsylvania, Philadelphia, Pennsylvania</p> <p><i>Introduction/Moderator: Marlane J. Angle, PhD, HCLD/CC(ABB)</i></p>	<p>(2:15 p.m. – 3:00 p.m.) Using Artificial Intelligence (AI) in the Clinical Laboratory <i>David Silva, M.Sc., DLM(ASCP)</i> Quality Manager, Dallas County Public Health Laboratory</p>
3:15 p.m. – 4:00 p.m.	Break	<p>(3:00 p.m. – 3:30 p.m.) Break</p>
		<p>(3:30 p.m. – 4:30 p.m.) Antioxidants in Nutrition and Health Using Raman Spectroscopy <i>David Smalley, Ph.D., BCLD/PHLD(ABB)</i> <i>Trish Cisarik, Ph.D.</i> Cisarik and Smalley, LLC</p>

Wednesday, May 8, 2024 (continued)		
Time	CRB Symposium Grand Ballroom CDE	AAB/AMS Technical Program “Bridging the Laboratory and Management Divide” Cataluna Room
4:00 p.m. – 6:00 p.m.	Oral Abstracts	(4:30 p.m. – 5:30 p.m.) Gene Markers/CRISPR Generated Cure for Sickle Cell Anemia <i>Parth S. Shah, MD</i> Dartmouth-Hitchcock Medical Center
		(5:30 p.m. – 6:00 p.m.) Associate Member Section (AMS) Business Meeting (Open to All AMS Members) Cataluna Room
6:00 p.m. – 7:30 p.m.	Welcome Reception and Poster Session	Valencia Ballroom 1 Hour
Thursday, May 9, 2024		
Time	CRB Symposium Grand Ballroom CDE	AAB/AMS Technical Program AND NILA Lab Leaders Forum Cataluna Room
7:00 a.m. – 7:30 p.m.	Conference Registration	Valencia Ballroom
7:30 a.m. – 8:30 a.m.	Continental Breakfast	Valencia Ballroom
8:15 a.m. – 8:30 a.m.	CRB Business Meeting (Open to All CRB Members)	Grand Ballroom CDE
8:30 a.m. – 9:25 a.m.	Non-Invasive PGT-A <i>Cengiz Cinnioglu, Ph.D.</i> NextGen Genetics Santa Clara, California <i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i>	Update on CLIA-Approved Accreditation Programs <i>Kim Ogren – COLA</i> <i>Denise Driscoll – CAP</i> <i>Heather Hurley - TJC</i>

Thursday, May 9, 2024

Time	CRB Symposium Grand Ballroom CDE	AAB/AMS Technical Program AND NILA Lab Leaders Forum Cataluna Room	
9:25 a.m. – 10:20 a.m.	PGT–P <i>Nathan R. Treff, Ph.D., HCLD/TS(ABB)</i> Genomic Prediction North Brunswick, New Jersey <i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i>	(9:25 a.m. – 10:00 a.m.) Political Crystal Ball: 2024 Congressional Landscape and 2024 Election Outlook <i>Erin Will Morton – CRD Associates Meghan Riley – CRD Associates</i>	
		(10:00 a.m. – 10:20 a.m.) CLIA Regs Part 1: New Personnel Regulations Effective 12/28/2024 <i>Robert Footlik, M.S., MLS(ASCP), HCLD(ABB-Ret)</i> Special Consultant AAB/NILA/CRB	
10:20 a.m. – 10:50 a.m.	Break		Valencia Ballroom
10:50 a.m. – 11:45 a.m.	Factors Contributing to Embryonic Mosaicism <i>Sheela Ali, Ph.D., HCLD/TS/CC(ABB)</i> Progenesis, Inc. Frisco, Texas <i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i>	CLIA Regs Part 1 (continued) New Personnel Regulations Effective 12/28/2024 <i>Robert Footlik, M.S., MLS(ASCP), HCLD(ABB-Ret)</i> Special Consultant AAB/NILA/CRB	
11:45 a.m. – 1:15 p.m.	Lunch and Sponsor-associated Roundtables		Marquis 6/7/8
11:45 a.m. – 1:15 p.m.	NILA Networking Luncheon (NILA Members Only)		Grand Ballroom B
Time	CRB Symposium Grand Ballroom CDE	AAB/AMS Technical Program “Bridging the Laboratory and Management Divide” Cataluna Room	NILA Lab Leaders Forum (NILA Members Only) Grand Ballroom A
1:15 p.m. – 2:15 p.m.	Mosaicism Panel - Moderated by Charlene Alouf Panelists: <i>Sheela Ali, Ph.D., HCLD/TS/CC(ABB); Cengiz Cinnioglu, Ph.D.; and Nathan R Treff, Ph.D., HCLD/TS(ABB)</i> <i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i>	Medico-Legal Challenges with STI Testing in Abuse Cases <i>Robert Sautter, Ph.D., HCLD/CC(ABB)</i>	(1:15 p.m. – 2:30 p.m.) PAMA/SALSA and FDA Oversight of LDTs <i>Erin Will Morton – CRD Associates Meghan Riley – CRD Associates</i>
2:15 p.m. – 3:00 p.m.	Break		(2:30 p.m. – 3:00 p.m.) Break
		Valencia Ballroom	Grand Ballroom B

Thursday, May 9, 2024 (continued)			
Time	CRB Symposium <i>Grand Ballroom CDE</i>	AAB/AMS Technical Program “Bridging the Laboratory and Management Divide” <i>Cataluna Room</i>	NILA Lab Leaders Forum (NILA Members Only) <i>Grand Ballroom A</i>
3:00 p.m. – 4:00 p.m.	IVF Media Formulation and Embryo Metabolomics <i>Denny Sakkas, Ph.D.</i> Boston IVF, Waltham, Massachusetts Yale University School of Medicine, New Haven, Connecticut <i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i>	Laboratory Management in the Current Healthcare Environment <i>Lynne S. Garcia, MS, F(AAM), CLS, BLM</i> Director, LSG & Associates	Legal Issues: Fraud and Abuse Independent Contractor vs. Employee Proposed Pay Transparency Rule Final Rule Banning Most Non-Compete Clauses Final Rule for Overtime Eligibility Any Willing Provider Law in Tennessee (John Weiss, Ph.D.) <i>Jeffrey Sherrin, Esq., Graig Zappia, Esq., Samantha Femia, Esq.</i> – O’Connell and Aronowitz
4:00 p.m. – 5:00 p.m.	Improving Efficiency in the IVF Laboratory and Beyond <i>Liesl Nel-Themaat, Ph.D., HCLD(ABB), MBA</i> IVF Laboratory Director, Stanford Medicine Fertility and Reproductive Health Associate Clinical Professor, Stanford University School of Medicine, Sunnyvale, California <i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i>	(4:00 p.m. – 4:30 p.m.) Laboratory Management in the Current Healthcare Environment (continued) <i>Lynne S. Garcia, MS, F(AAM), CLS, BLM</i> Director, LSG & Associates	
5:00 p.m. – 6:00 p.m.	Non-Invasive Embryo Screening Using Metabolic Profiling and Machine Learning <i>Nabil Arrach, Ph.D.</i> Progenesis, Inc., La Jolla, California <i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i>	(4:30 p.m. – 5:30 p.m.) Worker Shortages, Employee Burnout, and the 2024 Workforce Action Alliance Summit <i>Robert Sautter, Ph.D., HCLD/CC(ABB)</i>	(5:00 p.m. – 5:30 p.m.) Open Forum/Discussion/Q&A (5:30 p.m. – 6:00 p.m.) NILA Business Meeting
6:00 p.m. – 7:00 p.m.	Networking Reception		Valencia Ballroom
Friday, May 10, 2024			
Time	CRB Symposium <i>Grand Ballroom CDE</i>	NILA Lab Leaders Forum (NILA Members Only) <i>Grand Ballroom A</i>	
7:00 a.m. – 12:30 p.m.	Conference Registration		Valencia Ballroom
7:45 a.m. – 9:00 a.m.	Continental Breakfast		Valencia Ballroom
7:45 a.m. – 9:00 a.m.	NILA Networking Breakfast (NILA Members Only)		Grand Ballroom B
8:00 a.m. – 9:00 a.m.	AAB Business Meeting (Open to All AAB Members)		Cataluna Room

Friday, May 10, 2024 (continued)		
Time	CRB Symposium Grand Ballroom CDE	NILA Lab Leaders Forum (NILA Members Only) Grand Ballroom A
9:00 a.m. – 9:45 a.m.	<p>Rapid Warming: Trials and Tribulations <i>Tyl Taylor, Ph.D., HCLD(ABB)</i> Allen Reproductive Center McKinney, Texas</p> <p><i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i></p>	<p>Emergency Preparedness (for Labs and for the U.S.) <i>Annette Iacono</i> <i>Robert Middelberg, Ph.D.</i> <i>Jeanne Ohrnberger, Ph.D., HCLD/CC(ABB)</i> <i>David Smalley, Ph.D., BCLD/PHLD(ABB)</i></p> <p><i>Moderator: Meghan Riley – CRD Associates</i></p>
9:45 a.m. – 10:30 a.m.	<p>Fast and Furious: Rewriting Vitrification/Warming Protocols for Human Oocytes <i>Juergen Liebermann, Ph.D., HCLD/TS/CC(ABB)</i> Fertility Center of Illinois US Fertility Ovation Chicago, Illinois</p> <p><i>Introduction/Moderator: Charlene Alouf, PhD, HCLD/TS(ABB)</i></p>	<p>(9:45 a.m. – 10:15 a.m.) CLIA Regs: Part 2 2024 Fee Increases <i>Robert Footlik, M.Sc., HCLD(ABB-Ret)</i></p> <p>CLIA Regs: Part 3 2025 Proficiency Testing Changes <i>Eric Vanderslice, Ph.D., AAB-MLE Proficiency Testing</i></p>
		<p>(10:15 a.m. – 10:45 a.m.) Billing/Coding/Reimbursement Issues, Including:</p> <ul style="list-style-type: none"> • Pre-Analytic Areas of Opportunity <ul style="list-style-type: none"> ○ Eligibility ○ Prior Authorization ○ Payor Policy Limitations ○ Proper Coding • Post Billing Areas of Concern <ul style="list-style-type: none"> ○ Denials ○ Appeals ○ Managing Accounts Receivable • Billing Compliance <ul style="list-style-type: none"> ○ Patient Billing ○ No Surprises Act <p><i>Ann Lambrix, Lighthouse Lab Services</i> <i>Steve Stange, Credence Global Solutions</i> <i>Darla Wanitschke, TELCOR</i></p>
10:30 a.m. – 11:00 a.m.	Break	<p>(10:45 a.m. – 11:00 a.m.) Break</p> <p style="text-align: right;">Grand Ballroom B</p>

Friday, May 10, 2024 (continued)		
Time	CRB Symposium Grand Ballroom CDE	NILA Lab Leaders Forum (NILA Members Only) Grand Ballroom A
11:00 a.m. – 12:00 p.m.	Legal Aspects of the Alabama Supreme Court Ruling on Frozen Embryos <i>Jeffrey Sherrin, Esq.</i> O'Connell and Aronowitz Attorneys at Law <i>Introduction/Moderator: Matthew C. Hudnall, MS, TS(ABB), CLC(AMT)</i>	(11:00 a.m. – 12:10 p.m.) Billing/Coding/Reimbursement Issues (continued)
		(12:10 p.m. – 12:30 p.m.) Open Forum/Discussion/Q&A
12:00 p.m. – 12:30 p.m.	Registration for Optional CAP Reproductive Laboratory Accreditation Program Inspector Training Seminar	Grand Ballroom Foyer
12:30 p.m. – 6:00 p.m.	Optional CAP Reproductive Laboratory Accreditation Program Inspector Training Seminar <i>Erica Behnke, Ph.D., HCLD(ABB)</i> <i>Richard M. Scanlan, M.D., FCAP</i> <i>Jean Ball, MBA, MT(HHS), MLT(ASCP)</i> <i>Trudy Darden, MA, MT(ASCP)</i> The CAP Workshop is <u>not</u> included in the CRB Symposium registration package. Separate registration for the CAP program is required.	Grand Ballroom CDE
12:00 p.m. – 5:00 p.m.	AAB Board of Directors Meeting	Cataluna Room

Preliminary Breakdown of Continuing Education

AAB/AMS Technical Program	14.0 Contact Hours
CRB Workshop (Optional).....	6.5 Contact Hours
CRB Symposium	19.5 Contact Hours
CAP Inspector Training Workshop (Optional)	5.0 Contact Hours
CRB Workshop & Symposium + CAP Inspector Training Workshop	31.0 Contact Hours
NILA Lab Leaders Forum	17.0 Contact Hours

The AAB/AMS Technical Program, CRB Workshop, Symposium, and CAP Reproductive Laboratory Accreditation Program Inspector Training Seminar 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. Contact hours listed above represent the maximum an individual could earn if attending all sessions available in a particular program.

Disclaimer: The content and views presented in this educational activity are those of the faculty/authors and do not necessarily reflect those of the American Association of Bioanalysts (AAB) or the AAB College of Reproductive Biology (CRB). The presented materials and information are not necessarily exhaustive of the subject matter, and laboratory professionals and all other individuals should review and consider other relevant materials and professional opinions and advice on the subject matter before making appropriate decisions.

*The 2024 AAB Conference and CRB Symposium are being held in conjunction with the **National Independent Laboratory Association (NILA) Mid-year Meeting and Lab Leaders Forum**. NILA, a trade association for the community, regional, and health system clinical laboratories, will hold its annual Lab Leaders Forum Thursday-Friday, May 9-10.*