American Society for Clinical Laboratory Science
Central New England
Massachusetts - New Hampshire - Rhode Island

Microbiology
Chemistry
Molecular Diagnostics
Public Health

Hematology
Cytology
Forensic Science
Societal Issues

Transfusion Medicine
Management
Veterinary Diagnostics
Student Forum

69th
Annual Clinical Laboratory Science Convention
May 9-11, 2017
Rhode Island Convention Center
Providence, Rhode Island

Jointly sponsored with

BRISAH—Board of Rhode Island Schools of Allied Health
NEB ASM - Northeast Branch American Society for Microbiology
RICA - Rhode Island Cytology Association
RISH-Rhode Island Society for Histology
The American Society of Clinical Laboratory Science of Central New England is a constituent Society of the American Society for Clinical Laboratory Science. Our membership is a combination of Massachusetts, Rhode Island and New Hampshire residents. These members work on behalf of laboratory practitioners and the practice field in an attempt to provide improved diagnostic technologies, patient understanding of testing, access of clinical scientists to quality professional development and legislation promoting professional standards and licensure. These actions represent safeguards for the patient as a consumer and the clinical scientist as a professional. Networking within our profession creates bridges, supporting our personal and work lives. The combined energies of this organization create a powerful body.

There are many issues currently facing our profession and ASCLS needs your membership and support. Some of the other issues and activities with which ASCLS-CNE is currently involved include lobbying for appropriate reimbursement for laboratory services, developing a public relations campaign for the clinical laboratory industry and offering continuing education for laboratory personnel throughout southern New England. None of these activities can continue without the personal and financial support of our members.

If you are interested in becoming a member, or in renewing your membership, please do so at www.ascls.org.

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**ASCLS-CNE EXECUTIVE BOARD**

2016-2017

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**Exhibits**
James DeVona, Kent Hospital, Warwick, RI
Maureen Brown, Kent Hospital, Warwick, RI

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**Finance**
Caterina Miraglia, University of Mass., Dartmouth, MA
Wayne LeBlanc, University of Mass., Dartmouth, MA

**Poster Session**
Sara Murphy, Women & Infants Hospital, Providence, RI
Barbara Klitz, University of RI, Providence, RI

**Membership & Hospitality**
Leslie Martineau, CharterCARE Health Partners, RI

**Student**
Sopheaksoksandy So, University of Mass-Dartmouth
**General Meeting Information**

**Nametags**
Name tags will be provided at the registration desk and are required for admission to all sessions.

**Messages**
Please use the message board in the registration area for general messages. For emergency messages, call Rhode Island Convention Center at (401)458-6500.

**Program Brochures**
For additional brochures call Program Chair, Maddie Josephs, 401-434-0050 or email at m josephs@ccri.edu.

**Membership**
Please visit the Membership Booth for information about ASCLS.

**Special needs**
The meeting facility is wheelchair accessible. For special needs, please contact the RI Convention Center.

**No Smoking Policy**
Smoking is not permissible in the facility.

**Exhibit Only**
Complimentary passes will be issued at the registration desk for those wishing to visit the exhibits only. Please do not pre-register for “exhibit-only” passes.

**Registration Form**
If not registering on-line, please use the form located at the back of the program brochure. This form may be photocopied. Please use a separate form for each person registering.

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**NEW THIS YEAR!!!**

*Download the ASCLS-CNE Annual Meeting App!*

*Available for*

[Google Play](#)  [App Store](#)

**Event App Instructions:**
Download the “EventsXD” app on your mobile device. After downloading the app, you will need to create an account to access the app. Search for ASCLS-CNE. The convention schedule, handouts (when available), evaluations and more will be available on the meeting app.

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**REGISTRATION DEADLINE – MAY 4, 2017**

Register on-line at [www.ascls-cne.org/annual-convention](http://www.ascls-cne.org/annual-convention)

or

Mail registration form to:

Maddie Josephs
43 Bourne Avenue
Rumford, RI 02916

No refunds will be given after MAY 4, 2017. Payment must accompany the form. Payment or money order should be made payable to:

ASCLS/CNE

Register early!!!

If you have questions regarding your registration, please call Maddie Josephs at (401)434-0050 or email mjosephs@ccri.edu.

Pre-registration (before May 4, 2017) will include parking. Vouchers will be included in the registration packets, which are picked up on the day of attendance.

**PARKING VOUCHERS MUST BE EXCHANGED FOR A PARKING PASS WHICH IS NEEDED TO EXIT THE PARKING GARAGE. THESE WILL BE MADE AVAILABLE TO REGISTRANTS AT THE REGISTRATION TABLE.**

**REGISTER EARLY FOR FREE PARKING!**
Once again, this year, ASCLS-CNE is pleased to announce that participants at our Annual Convention will be earning P.A.C.E credits. Professional Acknowledgment for Continuing Education (P.A.C.E.®) is an administrative system serving as the quality assurance mechanism for continuing education programs offered to clinical laboratory professionals. P.A.C.E.® is of benefit to continuing education providers and the laboratory professionals who participate in the programs they provide.

Participants in P.A.C.E.®-approved educational sessions have confidence in the quality of the program. P.A.C.E.® continuing education contact hours satisfy continuing education requirements for federal regulations, state licensure, certification agencies and employers.

If you have any questions regarding P.A.C.E., please contact one of the program committee members or visit www.ascls.org.

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**CE ORGANIZER!!**

All ASCLS constituent societies are now required to use CE Organizer as of January 1st 2015. At the end of each session, the moderator will announce a **unique session code** for that particular session. **Record the session number.** You will need this number to get credit for attending the session. When you get home, go to the ASCLS web site and enter your information. Very specific instructions will be distributed at the convention. In addition, committee members will be available to answer any questions you might have about CE Organizer.

Please note.....**YOU WILL NOT RECEIVE A CERTIFICATE AT THIS MEETING. ALL CE INFORMATION WILL BE MAINTAINED IN YOUR CE ORGANIZER PERSONAL TRANSCRIPT.**

Not only will CE Organizer allow you to print out your **ASCLS-CNE ANNUAL CONVENTION P.A.C.E.®** certificate, it will also list your CE in a personal transcript. You may self-enter other non-P.A.C.E.® continuing education into your transcript as well.

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On-line registration is available with the use of a credit or debit card. Please visit: www.ascls-cne.org/annual-convention

Registration fees are listed on the registration form included in this program. Membership rates are available for members of ASCLS, as well as the sponsoring organizations. To qualify for member rates, membership numbers must be included on registration forms.

REGISTRATIONS received prior to May 4, 2017 include PARKING VOUCHERS, so register early! Late & walk-in registrants must park at their own expense.

Receipts will be available at the meeting only.
Clinical Laboratory Stewardship:
A Movement to Order & Interpret Tests Correctly
and Protect Patients from Physical and Financial Harm

Michael Astion, MD, PhD
Medical Director, Department of Laboratories
Seattle Children’s Hospital
Sponsored by Beckman Coulter

The incorrect use of clinical laboratory services by doctors and nurses is a major patient safety and financial issue. This lecture describes the nature of the misutilization of laboratory services and describes interventions to overcome the most significant laboratory utilization problems. A national movement to improve test ordering and interpretation, led by a large group of like-minded clinical labs, is also described.

At the end of this session, the participant will be able to:
1. Describe the value equation for patients as it applies to lab testing and how utilization management can increase value to patients
2. Compare and contrast genetic testing to other laboratory tests with regard to the value equation
3. Describe two interventions that increase the likelihood the correct lab test will be ordered
4. Summarize the goals of the Clinical Laboratory Stewardship movement and describe the national Pediatric Laboratory Utilization Guidance Service (PLUGS)

In addition to Medical Director of the Department of Laboratories at Seattle Children’s Hospital, Dr. Astion is clinical professor of laboratory medicine at the University of Washington. For almost two decades he was the director of reference laboratory services at the University of Washington. He has authored more than 20 software titles, 40 peer-reviewed papers, and 40 editorials. His software, which has been translated into several languages, includes both laboratory tutorials and competency assessment exams. He is currently working with the insurance industry to create utilization management rules for clinical laboratory testing. He is one of the founders of the Pediatric Laboratory Utilization Guidance Service (PLUGS), which helps pediatric hospitals and clinics increase the value of lab testing. Dr. Astion is a frequent speaker at professional meetings on issues related to test utilization, test interpretation, laboratory economics and outreach, and medical errors. He has received the American Society for Clinical Laboratory Science Theriot Award for Excellence in Media twice for his educational software. He has received AACC awards for outstanding contributions to patient safety and to management science.

*Please note:
Convention registration for Tuesday includes this opening keynote. A special registration is available for participants to attend this keynote only, if desired.
Tuesday May 9, 2017

7:30am-3:00pm Registration
10:00am-10:30am Coffee Break Ribbon Cutting for Opening of Vendor Exhibits
11:30am-1:30pm Dedicated Exhibit Hours
12:00-1:30pm Lunch break (separate fee for lunch required)

Tuesday luncheon session: Personalized Medicine: How will it Affect Prevention & Treatment of Chronic Disease?
Sharon Horesh Berquist, MD, FACP

2:30pm-3:00pm Coffee Break
4:00pm ASCLS-CNE Annual Business Meeting-All are invited to attend

CHEMISTRY

10:30-11:30am Basic Contact Hours: 1

Pediatric Reference Intervals: The Good, Bad, and Mostly Ugly Truth

The inappropriate use and determination of reference intervals for pediatric patients is an often overlooked in clinical chemistry and laboratorians need a greater awareness of the strengths and weaknesses associated with the various literature resources available. Attendees will learn about resources they can utilize and how to verify the quality of reference intervals to use for the tests their institution offers and how to help clinicians understand the limitations.

Mark D. Kellogg, PhD, MT(ASCP), DABCC
Assistant Professor of Pathology
Boston Children’s Hospital/Harvard Medical School
Boston, MA

1:30-4:00pm Intermediate Contact Hours: 2

Diagnostic Errors in Medicine Due to Assay Interferences in Clinical Chemistry

Significant inaccuracies in test results may occur in the setting of an assay interference and lead to misdiagnosis and patient mismanagement. In this presentation, I will review the epidemiology, mechanisms, and clinical consequences of assay interferences in clinical chemistry.

Ricky Darnell Grisson II, MD, MBA, MPH
Director, Clinical Chemistry
Lifespan Academic Medical Centers
Brown University
Providence, RI

12:00pm-1:00pm Intermediate Contact Hours: 1

Personalized Medicine: How Will it Affect Prevention and Treatment of Chronic Disease?

Personalized medicine is anticipated to revolutionize medicine. However, since chronic diseases are genetically complex and largely influenced by environment and lifestyle, personalized medicine may do more to treat rather than prevent our most common and costly medical problems, such as heart disease, diabetes, and cancer. Genomics may have greater utility by being combined with epidemiological studies to lead us to a better understanding of disease.

Sharon Horesh Berquist, MD, FACP
Rollins Distinguished Clinician & Assistant Professor of Medicine
Emory University
Atlanta, GA

Exhibits open on Tuesday May 9th at 10:00AM!
### MICROBIOLOGY

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**CRO Spells Bad Bugs in an Alphabet Soup**

The lecture will focus on molecular methods to detect Carbapenem Resistant Organisms (CRO). Included will be some definitions, classes of CROs, non-molecular methods of detection and finally currently available molecular methods. We will also go over basics of nucleic acid amplification, including different methodologies of NAAT. There will also be a discussion on how NAAT is used to detect bacterial infection.

**Andrea M. Pierce, PhD, C(ASCP)**  
Sr. Manager of Scientific Affairs  
Cepheid  
Sunnyvale, CA  
*Sponsored by Cepheid*

**Brucellosis: Implications for the Clinical Laboratory**

This presentation will provide a review of the etiology, epidemiology, and pathophysiology of brucellosis, its clinical presentation and clinical diagnostic criteria. The risk that *Brucella* spp. presents to clinical laboratory scientists will be discussed, as well as the potential use of *Brucella* spp. as an agent of bioterrorism.

**Caterina Miraglia, D.C., MLS(ASCP)**  
Assistant Professor  
University of Massachusetts-Dartmouth  
North Dartmouth, MA

**The Role of New Diagnostics in Antimicrobial Stewardship Practice**

This presentation will discuss the latest microbiology diagnostics and their impact on Antimicrobial Stewardship Program practices. The focus will be on rapid identification and resistance detection for commonly encountered pathogens in the microbiology laboratory.

**April Bobenchik, PhD, D(ABMM)**  
Associate Director of Microbiology  
Lifespan Academic Medical Center  
Assistant Professor of Pathology & Laboratory Medicine  
Warren Alpert Medical School of Brown University  
Providence, RI

### BIOINFORMATICS

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**Gene Editing Technology: Correcting Genetic Disease– Are Designer Babies Next?**

This presentation will describe the current state of CRISPR gene editing technology and some of the ethical considerations it presents.

**Cynthia L. Jackson, PhD**  
Director, Clinical Molecular Biology  
Lifespan Academic Medical Center  
Associate Professor of Pathology  
Warren Alpert School of Medicine at Brown University  
Providence, RI

**Biomedical Informatics for Clinical & Public Health Laboratories**

In this session, the role of image analysis and artificial intelligence in the laboratory will be discussed. The Data, Information and Knowledge module will be presented and the relationship between public health laboratories and the Geographic Information Systems will be explored.

**Wael Hassan, MSCLS, MLS(ASCP)**  
Laboratory Coordinator  
Overlook Medical Center  
Summit, NJ
## TRANSFUSION MEDICINE

### 10:30-11:30am Intermediate

**Red Cell Pathogen Reduction-Update 2017**

The status of red cell pathogen reduction technologies will be reviewed. Current clinical trials will be discussed and the mechanism of action of the major manufacturer’s technologies will be addressed. Adverse events will be discussed.

**Edward L. Snyder, MD, FACP**
Professor, Laboratory Medicine  
Director, Transfusion/Apheresis Services  
Yale Medical School  
Yale New Haven Hospital  
New Haven, CT

### 1:30-2:30pm Intermediate

**Practical Use of Molecular RBC Antigen Testing in the Transfusion Service**

Advances in the availability of automated molecular testing for red cell antigens, and new recommendations regarding its use in transfusion medicine present a challenge for small, medium and even large transfusion services. This session will describe the experience of one transfusion service’s use of this testing and provide a practical template that can be adopted by any size service.

**Melanie Champion, MBA, MT(ASCP)SBB, CQA(ASQ)**
Manager, Blood Bank & Cell Therapy Laboratories  
Yale New Haven Hospital  
New Haven, CT

### 3:00-4:00pm Basic

**Models for More Effective Communications**

Join us for an interactive session that will present scenarios of received verbal communication and giving verbal communication as well as modern communication methods and their effectiveness (or lack thereof).

**Beth M. Smyser, MT(ASCP)PMP**
Software Solutions Consultant  
Kathy Kyr  
Strategic Business Development National Account Manager  
Terumo BCT  
Lakewood, CO

**Sponsored by Terumo BCT**

## HEMATOLOGY

### 10:30-11:30am Intermediate

**Hematology Case Studies: Every Picture Tells a Story**

This program will introduce its participants to new advances in automated Hematology cell counting. Case studies will illustrate new technologies designed to enhance detection of normal cells, as well as abnormal cells, in both whole blood and body fluid samples. We will also discuss how enhanced technologies can benefit the patient and clinician, as well as provide efficiency in your hematology workflow.

**Jill Crist, MT(ASCP)**
Field Product Specialist  
Sysmex America, Inc.

**Sponsored by Sysmex America**

### 1:30-2:30pm Intermediate

**The Laboratory’s Role in the Evaluation of Heparin Induced Thrombocytopenia**

This presentation will focus on the clinical significance of HIT and the available laboratory tests. Included is a discussion on current diagnostic lab tests for HIT.

**Kathleen Winner, MS, MT(ASCP)SH**
Clinical Hemostasis Specialist  
Instrumentation Laboratory  
Bedford, MA

**Sponsored by Instrumentation Laboratory**

### 3:00-4:00pm Intermediate

**Diagnosing non-Hodgkin Lymphoma in Leukemic Phase**

Low & high grade non-Hodgkin lymphoma can present in leukemic and their morphological diagnosis can be challenging. The case based lecture will review several classic non-Hodgkin lymphoma, with emphasis on their clinical presentation and pattern of morphological presentation on the peripheral blood smear, correlated with their immunophenotypic and molecular signatures.

**Diana O. Treaba, MD**
Associate Professor of Pathology-Brown University  
Director Hematopathology– RI & The Miriam Hospital  
Providence, RI
Using Your Skills in a New Way: Careers in Veterinary Diagnostics

IDEXX’s North Grafton, MA Laboratory Manager, Kim D’Aiello, will speak about the work of veterinary diagnostics, and about opportunities for CLS professionals in the Vet Diagnostic world. IDEXX is the world leader in Veterinary Diagnostics, and we are delighted to speak at the ASCLS Convention this year.

Kim D’Aiello
Laboratory Manager
IDEXX
North Grafton, MA

Sponsored by IDEXX

Hemolysis and Pre-Analytical Variables

Hemolysis results when red blood cells are damaged or destroyed releasing hemoglobin. Hemolyzed specimens can result from patient conditions but most often result from procedural errors in specimen collection or handling. Numerous factors are associated with pre-analytical errors. These errors can compromise specimen integrity and impact patient care.

Kathleen Finnegan, MS, MT(ASCP)
Clinical Associate Professor/Chair
Stony Brook University
Stony Brook, NY

Sponsored by Greiner Bio One

Blood Culture Contamination

Blood Cultures are a very important and diagnostic laboratory test. Blood cultures are obtained to rule out a bacteremia or septicemia. Confusing blood culture results can lead to diagnostic uncertainty in patient care and are associated with unnecessary treatment, unwarranted laboratory testing and the increase in health care costs.

Kathleen Finnegan, MS, MT(ASCP)
Clinical Associate Professor/Chair
Stony Brook University
Stony Brook, NY

Sponsored by Greiner Bio One
Wednesday May 10, 2017

8:00am-3:00pm  Registration
10:00am-10:30am  Coffee Break
11:30am-1:30pm  Dedicated Exhibit Hours
12:00-1:30pm  Lunch break (separate fee for lunch required)

Wednesday luncheon session: The Multiplier Effect-Jennifer Zinn (Sponsored by Roche Diagnostics)

2:30pm-3:00pm  Coffee Break
4:00pm-5:30pm  VENDOR RECEPTION —— All attendees are welcome!

MANAGEMENT

9:00am-11:30pm  Intermediate  Contact Hours: 2

Laboratory Strategies

Explore the implications of consolidation of laboratories to achieve economy of scale and enable automation versus distributed network of rapid response labs and/or hospital laboratory management.

Denis R. Gallagher
VP & General Manager, North Region
Quest Diagnostics
Marlborough, MA

Sponsored by Quest Diagnostics

1:30-4:00pm  Basic  Contact Hours: 2

Leveraging the Generation Gap in the Workplace

Gen X? Gen Y? Baby Boomers? This session will explore the unique needs and approaches of your multi-generational work force, and how as leaders, you can ensure high impact results. Come prepared to discuss your challenges and experiences across the generation spectrum.

Jennifer Zinn
Senior Vice President, Point of Care
Roche Diagnostics
Indianapolis, IN

Sponsored by Roche Diagnostics

WEDNESDAY LUNCHEON

12:00pm-1:00pm (Separate Fee for Lunch)  Basic  Contact Hour: 1

The Multiplier Effect

Come hear a summary of Liz Wisemans’s breakout novel, The Multiplier Effect, and learn how these simple concepts can have a powerful impact on your organization. In this session, we will explore the definition of the multipliers, detractors, and share experiences as to how these roles can drive results or inhibit progress in your organization.

Jennifer Zinn
Senior Vice President, Point of Care
Roche Diagnostics
Indianapolis, IN

Sponsored by Roche Diagnostics
Wednesday May 10, 2017

CHEMISTRY

9:00-10:00am Intermediate
Contact Hour: 1

Evolving Use of Cardiac Troponins in the ED - New Cardiac Guidelines & Early Rule-in/Rule-out Protocols

This session will look at issues facing the emergency department in the diagnosis and triage of chest pain patients. We will review recent research and updates to guidelines surrounding use of cardiac troponin, including establishing and using the 99th percentile URL, serial troponins, significant deltas, and early rule-in/rule-out protocols.

Vernon L. Mustoe, PhD, MT(ASCP)
Medical Affairs Manager
Beckman Coulter, Inc.
Brea, CA

Sponsored by Beckman Coulter, Inc.

10:30am-11:30am Intermediate
Contact Hour: 1

Anti-Mullerian Hormone (AMH): Ovarian Reserve & Beyond

An overview of AMH production and physiology will provide a basis for understanding potential as an important diagnostic marker in fertility assessment including ovarian reserve and IVF procedures. Additional studies will be presented showing possible application in conditions such as precocious/delayed puberty, PCOS, menopause prediction and granulosa cell tumors.

Vernon L. Mustoe, PhD, MT(ASCP)
Medical Affairs Manager
Beckman Coulter, Inc.
Brea, CA

Sponsored by Beckman Coulter, Inc.

1:30-2:30pm Basic
1 contact hour

Procalcitonin (PCT) Use in Sepsis Management and Antibiotic Treatment Decisions

Sepsis is a life-threatening condition that is difficult to recognize and very expensive for treatment. Mortality rate significantly increases for every hour of delay in treatment. This session will cover use of procalcitonin in sepsis management and antibiotic decision making. Clinical application, testing protocols and interpretation of results will be the focus of this session.

Jingzi Sherman, MD, MS, CCRA
Senior Scientific Affairs Manager
Roche Diagnostics, North America
Medical & Scientific Affairs
Indianapolis, IN

Sponsored by Roche Diagnostics

3:00pm-4:00pm Basic

What is That Creatinine Lab Value Telling Us?

This presentation will review the laboratory test Creatinine, its use in estimating kidney function, and the role it plays in adjusting medication doses.

Martha J. Roberts, Pharm.D., BCCCP
Clinical Pharmacist
Kent Hospital
Warwick, RI
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| 9:00-10:00am | Intermediate | Laboratory Diagnosis of Blood Parasites | Mark LeGolvan, DO  
Pathologist  
RIH/Lifespan  
Providence, RI |
| 1:30-2:30pm  | Basic        | Alternative Donors in Allogenic Stem Cell Transplantation | Todd F. Roberts, MD, FRCP (C)  
Medical Director  
Blood & Marrow Transplantation Program  
Roger Williams Medical Center– an affiliate of CharterCARE Health Partners  
Providence, RI |
| 10:30-11:30am | Basic         | Research Advances in Malarial Parasites | Christian P. Nixon, MD, PhD  
Assistant Professor  
Warren Alpert Medical School of Brown University  
Providence, RI |
| 3:00-4:00pm  | Intermediate | Hematology Case Studies           | Ivy Goodman, MT(ASCP)  
Field Product Specialist  
Beckman Coulter  
Brooklyn, NY |

**Laboratory Diagnosis of Blood Parasites**

This session will cover the laboratory diagnosis of the common New England blood parasites (Babesia and Anaplasmosis) with their differential diagnosis (Malaria and Erlichia)

**Research Advances in Malarial Parasites**

Investigators have long searched for gametocyte (the transmissible form of the parasite from man to mosquito vector) antigens that elicit protective humoral responses in the human host that could ultimately be included in malaria transmission blocking vaccines. This presentation details the identification and activation of two such antigens.

**Hematology Case Studies**

This presentation will provide a short explanation of the technology of the Beckman Coulter analyzer combined with a series of interesting case studies from red cell morphology to a parasitic infection.
9:00-10:00am  Basic  
Contact Hour: 1

**Consideration in E-2-E Supply Chain Management of a Cellular Therapy**

This session will provide a brief overview of what is needed to support the supply chain of complex cellular therapies, including packing considerations, temperature ranges, logistics, and timing.

**Matthew L. Plaud, MSM**  
Chief Executive Officer  
SOTIO, LLC  
Boston, MA

10:30-11:30am  Intermediate  
Contact Hour: 1

**Has This Blood Gone Bad? The Safety & Efficacy of Stored Red Blood Cells**

Red blood cells storage results in the accumulation of several biochemical and structural changes that are predicted to impair their function and possibly result in harm to the transfusion recipient. Several randomized clinical trials have recently been completed that address the questions of efficacy and safety of current storage techniques. In this presentation, the results of these trials will be summarized and implications for transfusion practice discussed.

**Johnny Mack, MD, MSc, FRCPC**  
Assistant Director, Blood Transfusion Service  
Massachusetts General Hospital/ Harvard Medical School  
Boston, MA

1:30-2:30pm  Intermediate  
Contact Hour: 1

**An In-Depth Description of the Kell Blood Group System**

This session will provide a description of the antigens within the Kell Blood Group System, correct nomenclature, the antithetical antigens, a brief history, phenotype frequencies, the biochemistry of the molecule, why the Kp\(^{a}\) antigen may weaken the expression of the k antigen, the function of the Kell glycoprotein and the Kell antibodies in pregnancy.

**Malcolm Needs, CSci, FIBMS**  
Retired Blood Group Serologist  
NHSBT UK  
Croyden, London, UK

3:00-4:00pm  Basic  
Contact Hour: 1

**King Henry VIII, McLeod Syndrome, Chronic Granulomatous Disease and Kx**

This session will be a light hearted lecture arguing against the accusation that King Henry VIII was suffering from the McLeod Syndrome, and this was why he became the murderous despot of his later years, taking in the disturbing similarities between King Henry VIII and the speaker!

**Malcolm Needs, CSci, FIBMS**  
Retired Blood Group Serologist  
NHSBT UK  
Croyden, London, UK
Wednesday May 10, 2017

MICROBIOLOGY

9:00-10:00am Intermediate
Contact Hour: 1

Factors Affecting the Emergence and Re-emergence of Infectious Diseases

As our world and human activities evolve, we continue to see the emergence of new infectious diseases. This session will discuss the factors that play important roles in their emergence or re-emergence along with potential mechanisms for their control.

Ed Balkovic, PhD
Adjunct Associate Professor
Dept. of Cell & Molecular Biology
University of Rhode Island
Kingston, RI

10:30-11:30am Basic
Contact Hour: 1

Zika Virus:
An Emerging Threat or Media Hype

Recent arrival of Zika virus in the U.S. has drawn significant media attention. This presentation will attempt to put the potential threat of this mosquito-borne virus into perspective. It will cover Zika’s history, disease description, epidemiology, emergence in the western hemisphere, recent activity in U.S., potential for future spread and development of vaccines.

Ed Balkovic, PhD
Adjunct Associate Professor
Dept. of Cell & Molecular Biology
University of Rhode Island
Kingston, RI

1:30-2:30pm Intermediate
Contact Hour: 1

Integrating a Molecular Platform With a Diverse Menu:
How to Choose & Optimize Benefits for Your Lab Setting

Justification of new instrumentation & molecular testing is often very difficult for laboratories because it is not “cost-neutral.” This presentation will address strategies & components that need to be identified outside of lab budget alone that are necessary to address prior to implementation. BD Max platform will be used as the example of a single platform with an expandable menu implemented within the Microbiology Lifespan Laboratories implemented with success.

Kimberle Chapin, MD
Director of Microbiology & Molecular Diagnostics
Professor of Medicine & Pathology
Lifespan Hospitals & Brown University
Providence, RI

3:00-4:00pm Basic
Contact Hour: 1

You Are What You Eat:
Fresh Fruits & Vegetables as Vehicles for Foodborne Gastroenteritis

The food we consume can become contaminated with enteric pathogens such as Salmonella enterica and Escherichia coli at any stage of the farm-to-fork continuum, leading to foodborne outbreaks. This presentation will describe our current understanding of plant pathogen interactions, highlight methods for pathogen detection and source-tracking and present possible intervention strategies.

Anne N. Reid, PhD
Assistant Professor, Biology & Biomedical Sciences
Salve Regina University
Newport, RI

4:00pm to 5:30pm

Vendor Reception & Social Exhibit Hall

ALL ATTENDEES ARE WELCOME
Please join your colleagues for this social hour!
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Type</th>
<th>Speaker Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>9:00-10:00am</td>
<td>Basic</td>
<td></td>
<td>Jimmie C. Oxley, PhD</td>
<td>Analysis of Explosive Residue</td>
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<td>Professor</td>
<td>This talk will discuss issues in explosive analysis from pipe bombs to homemade explosives (HME). Included will be a discussion of physical appearance and issues in storage, mass spectrometric analysis, and personal safety.</td>
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<tr>
<td>10:30-11:30am</td>
<td>Basic</td>
<td></td>
<td>Dennis C. Hilliard, MS</td>
<td>The RI State Crime Laboratory &amp; Blood Alcohol Case Studies</td>
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<td>Supervisor, Forensic Biology Laboratory</td>
<td>This presentation will provide a description of the role of the RI State Crime Laboratory in the forensic analysis of crime scene evidence. The laboratory trains law enforcement officers in the scientific aspects of crime scene investigation. It provides forensic services in latent print development, comparison and identification, firearms analysis and trace evidence analysis. The process of determining blood alcohol concentrations in both criminal and civil court cases will be discussed.</td>
</tr>
<tr>
<td>1:30-2:30pm</td>
<td>Basic</td>
<td></td>
<td>Laurie Ogilvie, MS, D-ABFT</td>
<td>Forensic Toxicology: Drugs and Driving- A Dangerous Combination</td>
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<td></td>
<td>Supervisor, Forensic Toxicology Laboratory</td>
<td>The Forensic Toxicology Laboratory provides analytical and support services to law enforcement agencies by identifying alcohol and drugs present in the blood of individuals suspected of impaired driving. This presentation will include how drugs modify driving behavior and performance and also examine state laws regarding impaired driving.</td>
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<tr>
<td>3:00-4:00pm</td>
<td>Intermediate</td>
<td></td>
<td>Cara E. Lupino, MS, CLS</td>
<td>Forensic Biology and DNA: Cold Case Files in Rhode Island</td>
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<td></td>
<td>Supervisor, Forensic Biology Laboratory</td>
<td>This presentation will describe the forensic services provided at the RI Department of Health Center for Forensic Science. The focus will be on the Forensic Biology/DNA laboratory and some recent interesting cold cases that DNA helped solve.</td>
</tr>
</tbody>
</table>
WORKSHOP #1
Hematology

*8:30am to 4:00pm

Please Note Start Time

(5 hours)

Full day workshop

The WHO: Who’s Who of Leukemia & Lymphoma

This workshop will venture into the world of leukemias and lymphomas as profiled by the World Health Organization (WHO). We will explore this broad group of diseases affecting the blood, bone marrow and lymphoid tissue by taking a step-by-step approach, looking at clinical presentation, key morphological features, immunophenotype and genetic footprints of these hematological neoplasms.

Karen Ferreira, MS, MLS(ASCP)
Associate Scientific Director, Hematology

Marco Parada, MLS(ASCP)

Allison Greene, MS, MLS(ASCP)
Special Hematology Laboratory
Lifespan Academic Medical Center
Providence, RI

WORKSHOP #2
Molecular Diagnostics

*8:30am to 4:30pm

Please Note Start Time

(5 hours)

Full day workshop

Theory & Application of Molecular Diagnostics in the Clinical Laboratory with Data Interpretation

From basic theory to instrumentation as well as applications and data interpretation, you will experience a thorough introduction to the topic. This workshop is designed for laboratory professionals who would like a concise overview of molecular diagnostics and who wish to enhance their lab expertise and knowledge in molecular based methods.

Cynthia L. Jackson, PhD
Director of Clinical Molecular Biology
Rhode Island Hospital
Warren Alpert School of Medicine at Brown University
Providence, RI

Shashi Mehta, PhD
Associate Professor
Rutgers School of Health Professions
Newark, NJ
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401-453-8566

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Rhode Island Convention Center

Stop by the ASLCS-CNE hospitality table for information on local maps, restaurants and attractions!
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**HEMATOLOGY**

**9:00-11:30 am**  
Contact Hours: 2  
**Intermediate**

**Interesting Case Studies in Hematology**

A careful morphologic evaluation of the peripheral blood (bone marrow, body fluid, lymph node) smear remains the gold standard in the diagnosis and approach to hematopoietic and lymphoid tissue malignancies. This lecture will cover the clinical features, morphology, immunophenotype, and cytogenetics as well as prognostic and predictive factors of hemic malignancy as outlined by the World Health Organization (WHO 2008).

Karen A. Ferreira, MS, MLS  
Associate Scientific Director-Hematology  
Lifespan Academic Medical Center  
Providence, RI

**1:30-2:30 pm**  
Contact Hour: 1  
**Advanced**

**Peripheral Blood Smear Interesting Case Studies**

Presentation of interesting peripheral blood smears with reactive, infectious and neoplastic conditions. Review of diagnostic approach, clinical background and considerations for reporting and additional diagnostic studies.

Walter M. Pfeifer, MD  
Laboratory Director  
East Side Clinical Laboratory  
East Providence, RI

**3:00-4:00 pm**  
Contact Hour: 1  
**Intermediate**

**New Oral Anticoagulants and the Laboratory**

The session will consist of a description of the new oral anticoagulants with mechanism of action and metabolism and detection and measurement in the laboratory.

Joseph D. Sweeney, MD, FACP, FRCPPath  
Brown University  
Providence, RI

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**THURSDAY LUNCHEON**

**12:00pm-1:00pm (Separate Fee for Lunch)**

**Basic**

**The Future of the Laboratory: Patient as Consumer**

In the laboratory, we experience continual change. This change creates new opportunities to improve patient care, work more efficiently or develop new skills. In today’s healthcare environment, we are seeing a new laboratory consumer—the patient. The role of the patient is evolving, and laboratories must be able to respond accordingly to patient needs and demands. The patient of the future will be technically proficient, educated and engaged in managing their own health. Additionally, they are likely to be price-sensitive, willing to explore alternative healthcare delivery models or embrace disruptive technologies. Many laboratories are not positioned to serve the new healthcare consumer. This presentation will focus on how the laboratory of the future can successfully engage its patients, providing a service that aligns with expectations and needs, improving overall care.

Jane M. Hermansen, MBA, MT(ASCP)  
Manager, Network & Outreach Development  
Mayo Clinic  
Rochester, MN

*Sponsored by Mayo Clinic*
<table>
<thead>
<tr>
<th>Time</th>
<th>Type</th>
<th>Contact Hour</th>
<th>Session Title</th>
<th>Speaker Details</th>
<th>Sponsorship</th>
</tr>
</thead>
</table>
| 9:00-10:00am | Basic   | 1            | **Current Concepts in Hepatitis Testing**                                    | Ronald Carlton, PhD, MT(ASCP)CLS    
                      Clinical Liaison    
                      Ortho Clinical Diagnostics, Inc.  
                      Raritan, NJ          | Sponsored by Ortho Clinical Diagnostics, Inc.                               |
| 10:30am-11:30am | Basic  | 1            | **Clinical Laboratory’s Role in Diabetes Diagnosis and Management**           | Ronald Carlton, PhD, MT(ASCP)CLS    
                      Clinical Liaison    
                      Ortho Clinical Diagnostics, Inc.  
                      Raritan, NJ          |                                                                                       |
| 1:30-2:30pm  | Intermediate | 1        | **3 Essential Quality Management Insights for Blood Gas Testing**             | Kimberly Skala, MT(ASCP)    
                      Clinical Specialist, Critical Care & Point of Care  
                      Instrumentation Laboratory  
                      Bedford, MA          | Sponsored by Instrumentation Laboratory                                      |
| 3:00-4:00pm  | Basic   | 1            | **Cardiovascular Disease (CVD)**                                             | David Kennedy, PhD, BCLD, CC    
                      Adjunct Professor    
                      University of Rhode Island  
                      Kingston/Providence, RI |                                                                                       |
### MICROBIOLOGY

**9:00-10:00am**  
**Contact Hour: 1**  
Intermediate  
**C. difficile: Just When You Thought It Was Safe to Go Back into the Stool: A Discussion of the Latest Guidelines**  
*Clostridium difficile* may cause anything from asymptomatic colonization to significant diarrhea to pseudomembranous colitis. It is quite often acquired in healthcare environments when patients are put on antibiotics that subsequently disrupt the intestinal microflora. This lecture covers the latest guidelines and data on diagnostic methodologies.

**Norman Moore, PhD**  
Director of Scientific Affairs  
Alere  
Scarborough, ME

**Sponsored by Alere**

### MICROBIOLOGY

**1:30-2:30pm**  
**Contact Hour: 1**  
Intermediate  
**The Diagnostic Challenges of HSV and Group B Streptococcus Testing**  
I will discuss the challenges of culture methods for both HSV and Group B Streptococci and comparison with molecular methodology. The presentation will focus on the advantages of molecular testing as well as the challenge of helping Microbiology techs feel comfortable with a new methodology.

**Kate Murfitt, B.S., M(ASCP)**  
Technical Coordinator, Microbiology  
Mount Auburn Hospital  
Cambridge, MA

**Sponsored by Meridian BioScience**

### MICROBIOLOGY

**3:00-4:00pm**  
**Contact Hour: 1**  
Intermediate  
**Syndromic Approach and FilmArray Technology**  
This session will cover advances in PCR technology through syndromic testing. Multiplex PCR will be reviewed as well as the comprehensive disease state focused assays. The advances of this technology will be discussed and explored especially related to the clinical benefits and the impacts on patients’ care.

**Debbie Glaab, RN, MSN, PCCNP, CPNP-AC**  
Nurse Practitioner, Clinical Implementation Manager  
BioFire Diagnostics  
Salt Lake City, UT

**Sponsored by BioFire Diagnostics**
9:00-10:00am  
Contact Hour: 1  
**Intermediate**

**Use and Abuse of Reagents and Techniques**

Selecting the best methods and techniques for resolving routine problems encountered in immunohematology is essential for providing timely accurate results. This lecture will offer some helpful hints for such decisions and point out the problems that may occur when “short-cuts” are taken.

_Ghislain Noumsi, MD, SBB(ASCP)_
Medical Affairs Director, USA  
Grifols Diagnostic Solutions  
Emeryville, CA

_Sponsored by Grifols_

10:30-11:30am  
Contact Hour: 1  
**Intermediate**

**Immunohematology Quality Control & Competency Assessment Digitized**

Recent regulatory additions to quality control and competency assessment have driven blood bankers to seek easier, comprehensive ways to document, manage, and analyze these results. Software options are available for QC and competency assessment, yet few provide real-time, intra- and inter-laboratory analysis and comparison for blood banks/transfusion services. Until now….

_Barbara J. Bachman, MS, MT(ASCP)SBB, MBB_  
Blood Bank Specialist  
Bio-Rad Laboratories  
Hercules, CA

_Sponsored by Bio-Rad Laboratories_

1:30-2:30pm  
Contact Hour: 1  
**Advanced**

**Are We Sure We Are Helping?**

This session will present an interesting case study involving identification of reactivity in patient’s screen and providing a plan for transfusion and subsequent testing.

_Kathy Rafferty, MT(ASCP)_  
Clinical Supervisor  
Brigham & Women’s Hospital  
Boston, MA

3:00-4:00pm  
Contact Hour: 1  
**Intermediate**

**Best Supporting Role: Lymphapheresis Collections for Chimeric Antigen Receptor (CAR) T cells for Cancer Immunotherapy**

As chimeric antigen receptor (CAR) T cells become more widely utilized as cancer immunotherapy, apheresis services need to be prepared to support these clinical trials and treatment protocols. The production of CAR T cells is complex but the first step is to collect adequate numbers of CD3+ T cells via apheresis from patients who often have significant underlying illness. This presentation will review the challenges of lymphapheresis for CAR T cell production and risk factors for inadequate collections.

_Anne Eder, MD, PhD_  
Adjunct Professor  
Georgetown University Medical Center  
Washington, DC
### Thursday May 11, 2017

#### CYTOLOGY

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Contact Hour</th>
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<tr>
<td>9:00-10:00am</td>
<td><strong>Intermediate</strong>&lt;br&gt;Glandular Cells in Pap—Atypical and Typical&lt;br&gt;This session will be a case based presentation on glandular lesions seen on Pap smear. Included is a review of significance of ‘typical’ glandular cells (benign-appearing endometrial cells and reactive-appearing endocervical cells). Included is a short review of current understanding of future risk of cervical malignancy after a diagnosis of a typical glandular cells on Pap smear, and controversy regarding usefulness of HPV testing as an adjunctive test.</td>
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<tr>
<td>10:30am-11:30am</td>
<td><strong>Advanced</strong>&lt;br&gt;<strong>Introduction to Pathology &amp; Cytology of Lymph Nodes</strong>&lt;br&gt;The intended scope of the lecture will be to introduce normal lymph node architecture, immunoarchitecture and function, as well as review of the most commonly encountered benign and neoplastic conditions of the lymph node within a histologic and cytologic context.</td>
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<tr>
<td>1:30-2:30pm</td>
<td><strong>Intermediate</strong>&lt;br&gt;<strong>Novel Techniques in Cell Preparation &amp; Preservation for Cytology</strong>&lt;br&gt;Cytopreparation is treated like art, but it is a science. This session will review scientific principles that determine the cellularity and cytopreservation of their monolayer preparations and cell blocks, and principles that determine the likelihood of a successful molecular test on a cytology sample.</td>
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<tr>
<td>2:30-3:30pm</td>
<td><strong>Intermediate</strong>&lt;br&gt;<strong>Video Microscopy Cytology Case Seminar</strong>&lt;br&gt;A number of interesting cytology cases will be presented. A brief clinical history and pictures from the cases will be available for the attendees on the website before the meeting. During the seminar we will review live the sides of those cases through video microscopy (projected images from the microscope). Clinical setting, cytomorphology, differential diagnosis, possible ancillary studies and final diagnosis will be discussed for each of the cases.</td>
<td>1</td>
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**DISCLOSURE:** I am an inventor of Cellient™ cell block technology and receive royalties for sales of the technology.

**Andrew H. Fischer, MD**<br>Director of Cytopathology<br>University of Massachusetts<br>Worcester, MA

---

**Cherie Paquette, MD, MS**<br>Pathologist & Director of Cytopathology<br>Women & Infants Hospital of RI<br>Warren Alpert School of Medicine, Brown University<br>Providence, RI

**Dariusz R. Stachurski, MD**<br>Chairman, Pathology & Clinical Laboratory (Newport Hospital)<br>Surgical & Hematopathologist, RI & Miriam Hospital<br>Laboratory Medical Director, Eleanor Slater Hospital<br>Assistant Professor, Pathology & Laboratory Medicine,<br>Warren Alpert Medical School of Brown University<br>Providence, RI

**Mariana Canepa, MD**<br>Staff Surgical Pathologist/Cytopathologist<br>Rhode Island Hospital<br>Assistant Professor of Pathology & Laboratory Medicine<br>Warren Alpert Medical School of Brown University<br>Providence, RI
### MANAGEMENT

<table>
<thead>
<tr>
<th>Time</th>
<th>Level</th>
<th>Session Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00-11:30am</td>
<td>Intermediate</td>
<td>QC, QC, QM-Oh My!</td>
<td>Donna D. Castellone, MS, MASCP, MT(ASCP)SH</td>
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<td>This presentation will look at the differences between QA, QC and QM.</td>
<td>QA Manager, Specialty Testing</td>
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<td>It will discuss how to develop a QM system.</td>
<td>Supervisor, Special Coagulation &amp; Hematology</td>
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<td>Case studies will be used to illustrate real life problems and how to</td>
<td>New York Presbyterian-Columbia</td>
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<td>conduct root cause analysis on how to solve them.</td>
<td>New York, NY</td>
</tr>
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<tr>
<th>1:30-4:00pm</th>
<th>Basic</th>
<th>Leveraging Mentorship as a Management Tool to Enhance Employee Development</th>
<th>Jane M. Hermansen, MBA, MT(ASCP)</th>
</tr>
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<tbody>
<tr>
<td></td>
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<td>Management is defined as the process of dealing with or controlling things</td>
<td>Manager, Network &amp; Outreach Development</td>
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<td></td>
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<td>or people. Great managers seek to align employee talent with their work,</td>
<td>Mayo Clinic</td>
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<td>reward employees for performance, and they develop staff through</td>
<td>Rochester, MN</td>
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<td>challenging and meaningful assignments. In an increasingly busy work</td>
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<td>environment, managers are struggling to find the resources to effectively</td>
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<td>support their staff members in a meaningful manner. Mentorship is a</td>
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<td>powerful tool, which can play a key role in employee development.</td>
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<td>During this presentation, attendees will learn the key aspects of</td>
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<td>managing employees and how effective managers can deploy a mentorship</td>
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<td>program to enhance employee development.</td>
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**Download the ASCLS-CNE Annual Convention Meeting App!**

Evaluate sessions, download handouts, view the schedule and venue maps and more!

The ASCLS Annual Meeting mobile app is available for download. Access the app at [www.ascls-cne.org/annual-convention](http://www.ascls-cne.org/annual-convention) or visit Google play store or the iTunes app store, and search for "EventsXD." After downloading the app, you will need to create an account to access the app and then search for “ascls-cne”.

For more information, please contact the meeting chair.
Changing Perceptions of Biosafety in the Wake of Emerging Pathogens

The 2014 Ebola Outbreak in Western Africa brought a sense of urgency to the United States; our public health and frontline hospitals were in dire need of revamped biological safety programs. Here, we highlight the steps Rhode Island has taken to address biological safety going forward.

**Anthony Troiano Jr., PhD**
Biosafety Officer, CDC FSAP Responsible Official
RI Department of Health, State Health Laboratories
Providence, RI

Advanced Molecular Detection: Whole Genome Sequencing in the Public Health Lab

As part of CDC’s Advanced Molecular Detection initiative, new technologies are rapidly transforming the role of the public health laboratory. One of the most prominent changes is the implementation of next generation sequencing. This lecture will describe how the Rhode Island Department of Health is using this technology to track foodborne outbreaks, including some unique challenges met along the way.

**Kristin Carpenter-Azevedo, MS, MLS(ASCP)**
Senior Clinical Laboratory Scientist, Molecular Diagnostics
Rhode Island Department of Health
Providence, RI

WGS—A State Laboratory’s Perspective

Whole Genome Sequencing (WGS) will be the new standard for cluster detection and foodborne outbreak investigations, replacing Pulsed Field Gel electrophoresis (PFGE). MA-SPHL currently performs both methods. Implementation and transition to WGS has been challenging and rewarding. Examples of WGS and PFGE will be showcased.

**Ester Fortes**
Foodborne Outbreak Response Laboratory Supervisor
Massachusetts State Public Health Laboratory
Jamaica Plain, MA
ATTENTION STUDENTS

9:00-10:00am

ASCLS Student Forum Meeting

The student forum meeting is open to all students of ASCLS. The incoming student president will be introduced, and will be discussing what it is like to be Student President for ASCLS-CNE. Roles and other student forum positions will be discussed, followed by elections for the open positions for the following year. Student members will be updated on upcoming events.

Sopheaksoksandy So
Student Forum President
University of Massachusetts-Dartmouth
Dartmouth, MA

10:30-11:30am

Contact Hour: 1

Basic

SHU: Special Heme Unit: Finding Villains in the Victim

A student hematology/hemostasis review session. This session will be interactive so come prepared to use the hematology knowledge that you have and expect to leave knowing even more.

Malissa Norfolk, MLS(ASCP)cm
Full Time Lecturer
University of Massachusetts-Dartmouth

Vickie Cunningham, MS, MLS(ASCP)cm
Senior Technologist, Hematology
Massachusetts General Hospital

1:30-4:00pm

2 contact hours

Mock Certification Exam

The primary purpose is to help medical laboratory science students prepare for the certification examination. This exam will consist of one hundred multiple choice questions grouped into content areas, including hematology, microbiology, clinical chemistry, immunohematology, urinalysis and immunology. This will be a proctored exam. Answers will be provided at the end of the session.

Thursday May 11, 2017

For more information, please contact:

Sara Murphy (slmurphy@wihri.org)

OR

Barbara Klitz (bklitz@uri.edu)

CASH PRIZES WILL BE AWARDED!
ASCLS-CNE
69th ANNUAL CONVENTION

Sponsors and Exhibitors
Our thanks to all for supporting the ASCLS-CNE 69th Annual Convention. As one of the oldest and largest professional organizations in the region, ASCLS-CNE has a long history of excellence in providing continuing education for laboratory professionals. This is due, in part, to the generous support of our exhibitors and convention sponsors.

Please visit the Exhibit Hall on Tuesday, Wednesday AND Thursday
Exhibits will be open:
Tuesday, 5/9 - 10:00pm-4:00pm
Wednesday, 5/10 - 9:00am-5:30pm
Thursday, 5/11 - 9:00am-3:00
Exhibitor Move-Out: Thursday May 11, 2017 at 3:00pm

In addition, ASCLS-CNE will host a
VENDOR RECEPTION
Wednesday, May 10th from 4:00 to 5:30pm

The following is a partial list of current and previous Convention sponsors.

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ASCLS-CNE would like to thank our generous sponsors for sponsoring our Speakers Vendor Reception & Social Coffee breaks & Lunches

Find us on Facebook@facebook.com/asclscne
DIRECTIONS TO THE RHODE ISLAND CONVENTION CENTER

From the North:
Interstate 95 South to Exit 22A. Follow the signs towards the Downtown/Convention Center. Go through the first light in the right hand lane. Take the first right after the light. Take the next right onto Exchange St. After the next light, bear right between the Hotel and the Convention Center to the North Garage.

From the South:
Interstate 95 North to Exit 22A. Follow the signs towards Downtown Convention Center. At the light, turn right onto Francis Street. At the next light, go right onto Sabin Street. Bear right between the Hotel and the Convention Center to the North Garage.

From the East:
Take 195 West. Merge onto 95 North to Exit 22A. Follow the signs towards Downtown/Convention Center. At the light, turn right onto Francis Street. At the next light, go right onto Sabin Street. Bear right between the Hotel and the Convention Center to the North Garage.

From the West:
Take Route 6 to the “Route 6 East and I-295 South” ramp. Take a right and stay to the right following the signs to Providence and Route 6 East (you will use part of the I-295 on-ramp to get onto Route 6 East). Stay on Route 6 East to the end (sign will read “6 East to 10 North”) and stay to the left. Continue to the Dean Street Exit. Once on the exit ramp, stay to the left so that you will be on the left side of the island when you reach the light. Turn left onto Dean Street (4 lane road). Then immediately take the first right onto West Exchange Street to the Convention Center Garage.

Hotel Accommodations
Hotel accommodations are at the Hilton-Providence, located ONE block from the Rhode Island Convention Center. The special room rate is $149.00/room/night. There is Hi Speed Wireless Internet Access in all guestrooms.

To make reservations, call 401-831-3900, or online at www.providence.hilton.com. Please indicate you are attending the ASCLS-CNE Annual Convention in order to receive the discounted rate. Reservations must be made by April 15, 2017.
2017 ASCLS-CNE Annual Convention
Registration Information

Register online by visiting:
www.ascls-cne.org/annual-convention

(Please read the information below before registering)

**Membership Affiliation:** Membership discounts are given only to members of the sponsoring organizations listed below.

(NOTE: membership or certification by ASCP or NCA does NOT apply here).

**YOU MUST INCLUDE MEMBERSHIP # TO BE ELIGIBLE FOR MEMBER RATES**

Membership rosters for the following organizations will be checked when registration is received and on site:

- Bay State Chapter - Clinical Laboratory Management Association (CLMA)
- Northeast Branch American Society for Microbiology (NEB ASM),
- Rhode Island Cytology Association (RICA)
- Rhode Island Society for Histotechnology (RISH)

Directions for mail-in registration:

Please circle the appropriate fee for all sessions you plan to attend. Enter the total fee for each day in the column titled FEES PER DAY. Please remember to include separate fees for lunch if they apply. To register for a workshop, circle the appropriate fee for that workshop. Total all registration fees at the bottom of the form.

REGISTRATIONS received prior to May 4, 2017 include PARKING VOUCHERS. Late & walk-in registrants must park at their own expense.

**DO NOT MAIL REGISTRATIONS AFTER May 4, 2017**
Bring them to the Convention. No refunds will be given after May 4, 2017

Receipts will be available at the meeting only.
2017 ASCLS-CNE ANNUAL CONVENTION REGISTRATION FORM

Last name: ___________________________________ First name: ___________________________________

Street address: ________________________________________________________________

City: ___________________________________ State: ____________ Zip: _____________

Telephone#: (h) ____________________ (w) ______________________

Institutional (workplace) affiliation: _______________________________ email: _____________________________

**YOU MUST INCLUDE MEMBERSHIP # TO BE ELIGIBLE FOR MEMBER RATES**

<table>
<thead>
<tr>
<th>ASCLS-CNE REGISTRATION</th>
<th>Member: ASCLS, CLMA,RISH,RICA NEB ASM</th>
<th>Non-Member</th>
<th>Student Member</th>
<th>Student Non-member</th>
<th>FEES</th>
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<tr>
<td><strong>Tuesday May 9, 2017</strong></td>
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<tr>
<td>Day Session (Luncheon Excluded)</td>
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<td>$60</td>
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<td>Luncheon Session (1 hr or .1 CEU)</td>
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<td>Keynote Speaker Only (parking not included)</td>
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<td><strong>Wednesday May 10, 2017</strong></td>
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<tr>
<td>Luncheon Session (1 hr or .1 CEU)</td>
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<tr>
<td>Workshop #1– Hematology-Leukemia/Lymphoma</td>
<td></td>
<td>$75</td>
<td>$125</td>
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<tr>
<td>Workshop #2– Molecular Diagnostics</td>
<td></td>
<td>$75</td>
<td>$125</td>
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<tr>
<td><strong>Thursday May 11, 2017</strong></td>
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<tr>
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<td>2-Day Registration (does not include workshops)</td>
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<td>3-Day Registration (does not include workshops)</td>
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TOTAL:)

Payment Information (CHECK ONE)

___ Check or Money Order in the amount of $__________ (Make checks payable to: ASCLS-CNE)

___ Credit card: ___ VISA

___ MasterCard

___ American Express

Credit card number: ____________________________ Expiration date: ____________

Cardholder Name: ____________________________

Mail this completed registration form with appropriate payment (postmarked by May 4, 2017) to:

Maddie Josephs
43 Bourne Avenue
Rumford, RI 02916
<table>
<thead>
<tr>
<th>OPENING KEYNOTE</th>
<th>9:00am-10:00am</th>
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<tbody>
<tr>
<td>Clinical Laboratory Stewardship: A Movement to Order &amp; Interpret Tests Correctly &amp; Protect Patients from Physical &amp; Financial Harm</td>
<td></td>
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<tr>
<td>Michael Astion, MD, PhD</td>
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<tr>
<td>Sponsored by Beckman Coulter</td>
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<tr>
<th>10:30-11:30am</th>
<th>1:30pm-2:30pm/3:00pm-4:00pm</th>
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<tbody>
<tr>
<td>Pediatric Reference Intervals: The Good, Bad &amp; Most Ugly Truth</td>
<td>Diagnostic Errors in Medicine Due to Assay Interferences in Clinical Chemistry</td>
</tr>
<tr>
<td>Mark D. Kellogg, PhD. MT(ASCP)</td>
<td>Ricky Darnell Grisson II, MD, MBA, MPH</td>
</tr>
<tr>
<td>Hemaology Case Studies: Every Picture Tells a Story</td>
<td>HITA</td>
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<tr>
<td>Jill Crist, MT(ASCP)</td>
<td>Kathy Winner, MS, MT(ASCP)</td>
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<tr>
<td>Sponsored by Sysmex America</td>
<td>Sponsored by Instrumentation Laboratory</td>
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<thead>
<tr>
<th>Chemistry</th>
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<tbody>
<tr>
<td>CRO Spells Bad Bugs in an Alphabet Soup</td>
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<tr>
<td>Andrea M. Pierce, PhD</td>
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<td>Sponsored by Cepheid</td>
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<tr>
<td>Sponsored by Cepheid</td>
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<tr>
<th>Microbiology</th>
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<tbody>
<tr>
<td>Red Cell Pathogen Reduction—Update 2017</td>
</tr>
<tr>
<td>Edward L. Snyder, MD, FACP</td>
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<tr>
<th>Transfusion Medicine</th>
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<tbody>
<tr>
<td>Gene Editing Technology: Correcting Genetic Disease…Are Designer Babies Next?</td>
</tr>
<tr>
<td>Cynthia L. Jackson, PhD</td>
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</tbody>
</table>

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<tr>
<th>Veterinary Diagnostics</th>
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<tbody>
<tr>
<td>Using Your Skill in a New Way: Careers in Veterinary Diagnostics</td>
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<tr>
<td>Kim D’Aiello</td>
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<tr>
<td>Sponsored by IDEXX</td>
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<tr>
<th>Phlebotomy</th>
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<tbody>
<tr>
<td>Hemolysis &amp; PreAnalytical Variables</td>
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<tr>
<td>Kathy Finnegan, MS, MT(ASCP)</td>
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<tr>
<td>Sponsored by Greiner BioOne</td>
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</tbody>
</table>
## Preliminary Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>9:00am-10:00am / 10:30am-11:30am</th>
<th>1:30pm-2:30pm / 3:00pm-4:00pm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemistry</strong></td>
<td>Evolving Use of Cardiac Troponins in the ED Vernon Mustoe, PhD, MT(ASCP) Sponsored by Beckman Coulter</td>
<td>Anti-Mullerian Hormone: Ovarian Reserve &amp; Beyond Vernon Mustoe, PhD, MT (ASCP) Sponsored by Beckman Coulter</td>
</tr>
<tr>
<td><strong>Hematology</strong></td>
<td>Laboratory Diagnosis of Blood Parasites Mark LeGolvan, DO</td>
<td>Research Advances in Malarial Parasites Christian Nixon, MD, PhD</td>
</tr>
<tr>
<td><strong>Microbiology</strong></td>
<td>Factors Affecting the Emergence &amp; Re-emergence of Infectious Disease Ed Balkovic, PhD</td>
<td>Zika Virus: An Emerging Threat or Media Hype Ed Balkovic, PhD</td>
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<tr>
<td><strong>Transfusion Medicine</strong></td>
<td>Considerations in E-2-E Supply Chain Management of a Cellular Therapy Matthew L. Plaud, MSM</td>
<td>Has This Blood Gone Bad? Johnathan Mack, MD</td>
</tr>
<tr>
<td><strong>Forensic Science</strong></td>
<td>Analysis of Explosive Residue Jimmie C. Oxley, PhD</td>
<td>The RI State Crime Laboratory &amp; Blood Alcohol Case Studies Dennis Hilliard, MS</td>
</tr>
<tr>
<td><strong>Management</strong></td>
<td>Laboratory Strategies Dennis R. Gallagher Sponsored by Quest</td>
<td>Leveraging the Generation Gap in the Workplace Jenn Zinn Sponsored by Roche Diagnostics</td>
</tr>
<tr>
<td><strong>Hematology WORKSHOP</strong></td>
<td>The WHO: Who’s Who of Leukemia and Lymphoma Karen Ferreira, MS, MLS(ASCP) Marco A. Parada, MLS(ASCP) Allison Greene, MS, MLS(ASCP)</td>
<td></td>
</tr>
<tr>
<td><strong>Molecular Diagnostics WORKSHOP</strong></td>
<td>Molecular Diagnostics Workshop Cynthia L. Jackson, PhD Shashi Mehta, PhD</td>
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</tbody>
</table>

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**4:00pm-5:30pm Vendor Reception**

**Exhibit Hall**

**ALL ARE WELCOME!**
### ASCLS-CNE 69th Clinical Laboratory Science Convention
#### Thursday, May 11, 2017
#### Preliminary Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Chemistry</th>
<th>Hematology</th>
<th>Microbiology</th>
<th>Transfusion Medicine</th>
<th>Cytology</th>
<th>Management</th>
<th>Public Health</th>
<th>Student Forum</th>
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</thead>
<tbody>
<tr>
<td>9:00am-10:00am</td>
<td>Current Concepts in Hepatitis Testing Ronald Carlton, PhD, MT (ASCP)</td>
<td>Flow Cytometry Case Studies Karen Ferreira, MS, MLS</td>
<td>C. Difficulte: Just When You Thought It Was Safe to Go Back into the Stool Norman Moore, PhD Sponsored by Alere</td>
<td>Use &amp; Abuse of Reagents &amp; Techniques Ghislain Noumsi, MD, SBB(ASCP) Supported by Grifols</td>
<td>Glandular Cells in Pap, Atypical and Typical Cherie Paquette, MD</td>
<td>QA, QC, QM, Oh My! Donna Castellone, MS, MT(ASCP) SH</td>
<td>Changing Perceptions of BioSafety in the Wake of Emerging Pathogens Anthony Trolano Jr., PhD</td>
<td>Student Forum: The Next Student Leaders Sopheaksoksandy So</td>
</tr>
<tr>
<td>10:00am-11:30am</td>
<td>Clinical Laboratory’s Role in Diabetes Diagnosis &amp; Management Ronald Carlton, PhD, MT(ASCP)</td>
<td></td>
<td>Don’t Take that Antibiotic: You Might Get….Fat? Norman Moore, PhD Sponsored by Alere</td>
<td>Immunohematology Quality Control &amp; Competency Assessment Digitized Barbara Bachman, MS, MT(ASCP)SBB Sponsored by Bio-Rad Laboratories</td>
<td>Neoplastic Lymph Node Cytology Dariusz Stachurski, MD</td>
<td>Are We Sure We Are Helping? Kathy Rafferty, MT(ASCP)</td>
<td>Advanced Molecular Detection: Whole Genome Sequencing in Public Health Lab Kristin Carpenter-Azevedo, MLS, MT(ASCP)</td>
<td>SHU: Special Heme Unit- Finding the Villains in the Victim Malissa S. Norfolk, MLS (ASCP) Vickie Cunningham, MS, MLS(ASCP)</td>
</tr>
<tr>
<td>1:30pm-2:30pm</td>
<td>3 Essential Quality Management Insights for Blood Gas Testing Kimberly Skala, MT (ASCP) Sponsored by IL</td>
<td>Peripheral Blood Smear Interesting Cases Walter M. Pfeifer, MD</td>
<td>Diagnostic Challenges of HSV &amp; Gr. B Strep Testing Kate Murfitt, M(ASCP) Sponsored by Meridian BioScience</td>
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<td>WGS- A State Laboratory’s Perspective Esther Fortes</td>
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<tr>
<td>2:30pm-3:00pm</td>
<td>Cardiovascular Disease David Kennedy, PhD</td>
<td>New Oral Anticoagulants &amp; the Laboratory Joseph Sweeney, MD</td>
<td>Syndromic Approach and FilmArray Technology Debbie Glaab, RN, MSN Sponsored by BioFire</td>
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<tr>
<td>3:00pm-4:00pm</td>
<td>Lunch Speaker (12:00-1:00pm ) The Future of the Laboratory- Jane Hermansen (Sponsored by Mayo)</td>
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**Sponsored by:**
- Mayo
- Bio-Rad Laboratories
- Grifols
- Alere
- Meridian Bioscience
- BioFire
- Mayo Medical
Make plans to attend the

2018 ASCLS-CNE Annual Convention

Dates to be announced soon!

Rhode Island Convention Center
Providence, RI

The committee welcomes and values your input. If you have suggestions for topics, speakers or any other feature of the convention, please contact:

Maddie Josephs, General Chair
mjosephs@ccri.edu
JOIN ASCLS TODAY!!

ASCLS and ASCLS-CNE are working to create a future where Clinical Laboratory Science professionals are recognized and respected for their value to healthcare within their facilities and in their communities. ASCLS-CNE goals continue to focus on:

EDUCATION
PUBLICATIONS
GOVERNMENT AFFAIRS
GRASSROOTS ACTIVITIES
PERSONAL SERVICES
And more!

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American Society for Clinical Laboratory Science - Central New England
69th Clinical Laboratory Science Convention - 2017
Maddie Josephs MS, MT(ASCP)
43 Bourne Avenue
Rumford, RI 02916