ASCLS-CNE

American Society for Clinical Laboratory Science

Central New England

Massachusetts - New Hampshire - Rhode Island

Microbiology
Chemistry
Transfusion Medicine
Management
Societal Issues

Hematology
Immunology
Molecular Diagnostics
Public Health

Cytology
Phlebotomy
Forensic Science
Histology
Student Forum

67th
Annual Clinical Laboratory Science Convention

April 28-April 30, 2015

Rhode Island Convention Center
Providence, Rhode Island

Jointly sponsored with
BRISAH—Board of Rhode Island Schools of Allied Health
CLMA - Bay State Chapter CLMA
NEB ASM - Northeast Branch American Society for Microbiology
RICA - Rhode Island Cytology Association
RISH-Rhode Island Society for Histology
Dear Colleagues-
On behalf of the ASCLS-CNE Board of Directors and Planning Committee, it is my distinct pleasure to invite you to the 2015 Annual Convention being held April 28-30 at the Rhode Island Convention Center in Providence. The Planning Committee has been hard at work preparing a cutting-edge program that promises to deliver high-quality continuing education. Speakers from across the nation and our own backyard will present important new updates on critical topics currently shaping our practice field. These facts make this meeting a ‘one-stop shop’ for obtaining PACE-approved credits that will help you stay on top of your employer or certification agency’s continuing education requirements.

Other notable mainstays of this meeting will once again be present. As in the past, we will have several workshop offerings that provide a more hands-on and applied approach to learning various topics and skill sets. The students of ASCLS-CNE will also be well-represented and once again showcasing their talents in our annual poster competition. Furthermore, the luncheons will provide you a chance to kick back, relax, listen to an engaging presentation, and enjoy a wonderful meal with colleagues. Also, the annual business meeting will be held on Wednesday evening and provides you a chance to hear the important happenings within ASCLS-CNE. Finally, the opportunity to network with new colleagues and catch-up with old friends is an experience that only an in-person meeting such as this one can provide.

On top of all these great benefits, we once again will have our exhibitor exposition in the new, larger hall that we used last year. The space provided by this new area afforded us the opportunity to provide you with the much needed face-time you need with more exhibitors in a roomy and comfortable space. This larger space also allowed vendors to bring in more cutting-edge automation to demonstrate during the expo. We hope you enjoyed the 2014 expo space and continue to do so this year!

The registration form and program is provided in this booklet. Keep in mind that members of ASCLS-CNE and our partnering organizations receive a discounted registration rate. Also, remembering to register early assures that you will receive free parking at the convention center.

Whether this is your first meeting or your tenth, I encourage you all to come visit us in Providence and consider bringing a colleague. I look forward to seeing you all!

Kyle Riding, PhD, MLS(ASCP)CM
ASCLS-CNE President 2013-2015
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<thead>
<tr>
<th>Program &amp; Registration Chair</th>
<th>Chemistry</th>
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<tr>
<td>Maddie Josephs, Community College of RI, Lincoln, RI</td>
<td>Kyle Braga, CharterCARE Health Partners, N. Prov. RI</td>
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<td>Liliveth Castano, Alcor Scientific, Smithfield, RI</td>
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<td>Lynda Tavares, Sturdy Memorial Hospital, Attleboro, MA</td>
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<td>Molecular Biology</td>
<td>Shashi Mehta, Rutgers School of Health Professions, Newark, NJ</td>
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<td>Forensic Science</td>
<td>Debra Sizemore, MS, CLS</td>
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<td>Hematology</td>
<td>Matt Keane, RI Hospital, Providence, RI</td>
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<td>Karen Rezendes, University of Mass., Dartmouth, MA</td>
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<td>Transfusion Medicine</td>
<td>Phil Hoffman, St. Joseph Health Services, North Prov., RI</td>
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<td>Darlene Folan, RI Blood Center, Providence, RI</td>
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<td>Sara Murphy, Women &amp; Infants Hospital, Providence, RI</td>
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<td>Management</td>
<td>Leslie Martineau, CharterCARE Health Partners, N. Prov. RI</td>
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<td>Phlebotomy</td>
<td>Jan Guibeau, RI Hospital, Providence, RI</td>
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<td>Biotechnology</td>
<td>Gregory Paquette, University of RI, Providence, RI</td>
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<td>Public Health</td>
<td>Kristin Carpenter-Azevedo, RI Department of Health, Prov., RI</td>
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<td>Cytology</td>
<td>Barbara Klitz, University of RI, Providence, RI</td>
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<td>Nadia Saadeh, University of RI, Providence, RI</td>
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<td>Histology</td>
<td>Rose Tavares-Proulx, Community College of RI, Providence, RI</td>
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<td>Amanda Lewis, RI Hospital, Providence, RI</td>
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<td>Exhibits</td>
<td>James DeVona, Kent Hospital, Warwick, RI</td>
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<td>Maureen Brown, Kent Hospital, Warwick, RI</td>
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<td>Member-at-Large</td>
<td>Betsy Reilly, Rhode Island Hospital</td>
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<td>Karen McHugh, Landmark Medical Center, Woonsocket, RI</td>
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<td>Caterina Miraglia, University of Mass., Dartmouth, MA</td>
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<td>Wayne LeBlanc, University of Mass., Dartmouth, MA</td>
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<td>Poster Session</td>
<td>Kristin Carpenter-Azevedo, RI Department of Health, Prov. , RI</td>
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<td>Barbara Klitz, University of RI, Providence, RI</td>
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<td>Membership &amp; Hospitality</td>
<td>Leslie Martineau, CharterCARE Health Partners, RI</td>
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<td>Theresa Castellone, Fatima Hospital, N. Providence, RI</td>
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<tr>
<td>Student</td>
<td>Scott Connolly, University of Massachusetts-Dartmouth, MA</td>
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**ASCLS-CNE EXECUTIVE BOARD 2014-2015**

| President | Kyle Riding, University of Massachusetts-Dartmouth, MA |
| President-Elect | Brandon Healy, Immucor, Norcross, GA |
| Past President | Kyle Braga, CharterCARE Health Partners, N. Prov. RI |
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| | Lynn Brodeur, Bristol CC, Fall River, MA |
| | Randi Sullivan, Children’s Hospital, Boston, MA |
| | Beth Hart, University of Massachusetts-Dartmouth, Dartmouth, MA |
General Meeting Information

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 mjosephs@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.

REGISTRATION DEADLINE—APRIL 24, 2015
Register on-line
or
Mail registration form to:

Maddie Josephs
43 Bourne Avenue
Rumford, RI 02916

No refunds will be given after APRIL 24, 2015. 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 April 24, 2015) 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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**New this year.......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**

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.
Tuesday April 28, 2015

8:00am-3:00pm  Registration
10:00am-10:30am  Coffee Break
10:00am  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:

Retirement Strategies- Lori Anderson, CRPC
Coffee Break
ASCLS-CNE Annual Business Meeting-All are invited to attend

CHEMISTRY

9:00am-11:30am  Basic  2 contact hours

The D-Lightful Vitamin D for Health

The presentation will provide an update on the healthful benefits of vitamin D, not only for skeletal health but also for many non-calcemic benefits including reducing risks for cardiovascular disease, cancer, autoimmune diseases, infectious diseases, neurocognitive dysfunction and type 2 diabetes.

Michael Holick, PhD, MD
Professor of Medicine, Physiology & Biophysics
Boston University Medical Center
Boston, MA

1:30pm-4:00pm  Basic  2 contact hours

Improving Outcomes & Cost Structures Through the Use of Mass Spectometry

The use of Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) has dramatically increased over the past decade. LC-MS/MS is considered the gold standard for identification and quantification in routine testing. The session will introduce the basics of mass spectrometry, various applications and how the technique improves outcomes while reducing costs.

April Quinn-Paquet
Senior Applications Scientist
SCIEX
Framingham, MA

Sponsored by SCIEX

TUESDAY LUNCHEON

12:00pm-1:00pm (Separate Fee for Lunch)  Basic  1 contact hour

Retirement Strategies

The presentation is designed to help participants to define and identify the life they want. Discussion will include the basics of a sound retirement portfolio and how to accumulate retirement assets. It also covers income strategies and when and why the financial turning point is so important, and how to have a plan that addresses how to achieve your desired lifestyle with the highest rate of success.

Lori Anderson, CRPC
First Vice President, Senior Financial Advisor
Merrill Lynch
Providence, RI

Tuesday Lunch:

Bakery Sliced Breads with butter
Roasted Tenderloin Salad
Chocolate Fudge Cake
Coffee/Tea

(Vegetarian/Gluten Free Meal on request)

Exhibits open on
Tuesday, April 28th at 10:00AM!
9:00-10:00am  Intermediate  1 contact hour

***Workflow Analysis Using the LSS Roadmap: Comparing Five Methodologies for Type & Screen Testing***

There are multiple ways one can evaluate test methodologies. The Lean Six Sigma Roadmap provides a structured approach that can significantly assist facilities in better understanding their customer’s/facility’s needs, as well as provide some additional evaluation tools that can be utilized for method comparison and other process improvement activities.

Barbara J. Bachman, MS, MT(ASCP)SBB  
Blood Bank Specialist  
Bio-Rad Laboratories  
Georgetown, TX  

*Sponsored by Bio-Rad*

10:30-11:30am  Intermediate  1 contact hour

***Competency Assessments, Specifically for Nontraditional Clinical Tests and Staff***

This presentation will address ways to assess competency for nontraditional laboratory tests and staff. Traditionally, when one thinks of competency assessments, one thinks of the CMS-CLIA methods. These methods can be tweaked to apply to other disciplines and non-traditional tests and laboratory staff.

Olive J. Sturtevant, MHP, MT(ASCP),SBB/SLS  
Director of Quality Assurance for Cellular Therapies  
Dana Farber Cancer Institute  
Boston, MA

3:00-4:00pm  Intermediate  1 contact hour

***Blood Group Genotyping: A New Tool in the Serologist's Toolbox***

Several assays are now available to perform blood group genotyping and have the potential to enhance patient care, especially for those who are chronically transfused. Using case studies, the session will demonstrate the various application of blood group genotyping in both the patient and donor populations.

Joann Moulds, PhD, MT(ASCP)SBB  
Scientific Director  
Grifols Immunohematology Center  
San Marcos, TX  

*Sponsored by Grifols*
9:00-10:00am  Basic  1 contact hour

Pre-Analytical Variables in Hemostasis Testing

There are three main pre-analytical variables in coagulation: sample collection, sample handling and preparation, and the testing system. In each of these three areas, there is opportunity for the variable to influence the test result, providing less than optimal results. This presentation will discuss these variables and how to minimize their influence on reported test results.

Sally Pucci, MBA, CLS
Technical Sales Representative, Hemostasis Instrumentation Laboratory
Bedford, MA

Sponsored by Instrumentation Laboratory

10:30-11:30am  Intermediate  1 contact hour

Von Willebrand Disease: An Underdiagnosed Disorder

This program will cover Von Willebrand Disease, including the history and discovery, clinical significance and incidence. The disease pathology and the difficulty in accurately diagnosing the disorder will be discussed, as well as the laboratory tests that are available in making that diagnosis, including interpretation and interferences.

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

Sponsored by Instrumentation Laboratory

1:30-4:00pm  Intermediate  2 contact hours

Clinical Overview of Laboratory Medicine in the Oncology Practice

This presentation explores the laboratory’s role at a busy Oncology Center and how patient satisfaction is greatly influenced by the timeliness and quality of results. Case studies are utilized in this presentation to demonstrate how new advanced hematology clinical parameters are used to drive treatment plans and improve outcomes.

Evelyn Graham, MT(ASCP)
Regional Laboratory Manager
Cancer & Hematology Centers of Western Michigan
Grand Rapids, MI

Sponsored by Sysmex America, Inc.
Vaccine Renaissance
The contribution of vaccines to improved public health is incalculable. This presentation will survey vaccines in history, current challenges and new approaches to address unmet medical needs.

Lenny Moise, PhD
Associate Research Professor
University of Rhode Island
Providence, RI

We Have To Do What?
Clinical Microbiology Laboratory Responsibilities Under the Federal Select Agent Program

Compliance with the Federal Select Agent Regulation can be a daunting task for any clinical microbiology laboratory. This presentation will focus on the responsibilities of the laboratory, explain the Select Agent Program forms that are required and discuss the processes that are mandated under the regulation.

Cynthia Vanner, BS, CLS
Supervising Clinical Laboratory Scientist
Bioterrorism Response & Special Pathogens
Rhode Island State Health Laboratories
Providence, RI

Infections Transmitted from Pets
Pets are very common among US households, yet pets may harbor or transmit a variety of bacterial, parasitic, viral and fungal infections of which many of us aren’t even aware. This presentation will highlight several of these infections using a case presentation approach.

Michael M. Bergman, MD
Infectious Disease Chief
Sturdy Memorial Hospital
Attleboro, MA

A Community Hospital’s Experience with Procalcitonin
There will be a brief review of the biomarker, procalcitonin, followed by a discussion on how one community hospital has utilized the test in our congestive heart failure, pneumonia and sepsis pathways.

Martha J. Roberts, Pharm. D
Lead Clinical Pharmacist
Our Lady of Fatima Hospital
North Providence, RI
**Tuesday April 28, 2015**

### HISTOLOGY

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**The Artistry of Special Stains**

Special stains enable the identification of microorganisms or specific structures or molecules in cells or in tissue sections and can present a unique challenge for many labs. With regards to oncology a diagnosis can be made with H & E and Special stains. Special stains are routinely applied manually or through automated methods using specialized instruments. While there are many special staining methods available, the specialist knowledge needed to perform them may not always be at hand. Mechanized staining can be valuable for processing large numbers of slides through standardization, tracking and quality control. These cost and time saving benefits help cut down on the turnaround time (TAT), the number of repeat requests, and improve interpretation logistics. This session will focus on areas of troubleshooting in special stains, including chemistry, optimization and intelligent use of instrumentation for routine stains used in pathology.

**Alan Maziarz, BS**  
Field Application Specialist  
Dako, An Agilent Technologies Company  
Carpenteria, CA

*Sponsored by Dako*

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**Case Studies in Neuropathology**

This session will be a discussion of clinical pathologic correlations in neuropathology, with utilization of both histochemical and immunohistochemical stains to arrive at a final diagnosis.

**John E. Donahue, MD**  
Associate Professor of Pathology and Laboratory Medicine  
Rhode Island Hospital  
Warren Alpert Medical School  
Brown University  
Providence, RI

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**Alzheimer’s Disease & Other Dementias**

The pathologic features of Alzheimer’s Disease and other dementias will be reviewed and their significance toward our understanding of the disease pathogenesis will be discussed. Potential treatment strategies will be reviewed.

**Edward E. Stopa, MD**  
Professor of Pathology & Neurosurgery  
Director of Neuropathology  
Warren Alpert Medical School  
Brown University  
Providence, RI

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**IHC Validation and the New CAP Guidelines**

Last year, the College of American Pathologists instituted new standards for the validation of antibodies in the IHC laboratory. These new standards have had a significant impact on the initial implementation of new antibodies as well as the revalidation process. The implementation and documentation required for these new requirements will be discussed.

**Rosemarie Tavares Proulx, BS, CT, HT(ASCP)**  
Education Coordinator, Histotechnician Program  
Community College of RI  
Providence, RI
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<tr>
<th>Time</th>
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<th>Session Title</th>
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<tr>
<td>9:00-10:00am</td>
<td>Intermediate</td>
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<td><strong>Practical Tools in Molecular Diagnostics</strong></td>
<td>Testing for Laboratorians</td>
<td><strong>Shashi Mehta, PhD</strong> Associate Professor</td>
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<td>Molecular testing has become a routine part of laboratory practices. We will focus on a tool set necessary to understand clinical molecular diagnostic testing that will include PCR, FISH, RNA based amplification methods and molecular sequencing tests.</td>
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<td>School of Health Related Professions-Rutgers University Newark, NJ</td>
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<td>10:30-11:30am</td>
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<td><strong>Testing in Hereditary Cancer Syndrome</strong></td>
<td>Germline genetic factors play important roles in approximately 10% of the cancers, such as mutations in DNA mismatch repair genes and BRCA genes. People carrying these genetic changes have a much greater risk to develop cancer. With increasing knowledge of these factors, laboratory testing has been developed and employed in both anatomic and clinical pathology laboratories.</td>
<td><strong>Mike He, MD, PhD</strong> Assistant Professor</td>
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<td>Testing in Hereditary Cancer Syndrome</td>
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<td>Warren Alpert School of Medicine - Brown University Medical Director, Hematology Lab Women &amp; Infants Hospital of Rhode Island Providence, RI</td>
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<td>1:30-2:30pm</td>
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<td><strong>Gene Therapy: From Basics to Clinics</strong></td>
<td>This lecture will focus on basic gene therapy tools like different viral and non-viral vectors to modify choice of different cell types. Pre-clinical and clinical data related to cancer therapy will be presented. This is a must for medical technologists to understand clinical practices in gene therapy.</td>
<td><strong>Pranay Khare, PhD</strong> Director, Cancer Immunotherapy &amp; Gene Therapy cGMP Facility Roger Williams Medical Center Providence, RI</td>
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<td>3:00-4:00pm</td>
<td>Basic</td>
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<td><strong>Next Generation Sequencing: Is it Ready for Prime Time?</strong></td>
<td>Gain an understanding of the technology of massively parallel sequencing and learn about current applications of NGS in clinical testing in genetics, oncology and infectious disease.</td>
<td><strong>Cynthia L. Jackson, PhD</strong> Director of Clinical Molecular Biology Rhode Island Hospital Warren Alpert School of Medicine-Brown University Providence, RI</td>
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PHLEBOTOMY

Tuesday April 28, 2015

9:00-10:00am Intermediate 1 contact hour

**Phlebotomy Challenges Unique to the NICU**

Capillary punctures in the Neonatal Intensive Care Unit (NICU) require specialized skills and techniques. This presentation will first review capillary techniques and equipment. Case studies involving NICU babies with various clinical conditions requiring specialized phlebotomy consideration will be presented. An important aspect of NICU encounters is the ability of the healthcare personnel to accept what may be emotionally upsetting situations involving critically ill babies.

**Debra St. Pierre, MS, SBB, MLS(ASCP)**
Director, Phlebotomy Program
Community College of RI
Lincoln, RI

*Sponsored by Greiner Bio-One North America*

10:30-11:30am Intermediate 1 contact hour

**Phlebotomy Round Table Discussion**

This round table discussion will provide an opportunity for professionals to share and discuss situations that have been experienced in the realm of the healthcare setting. Phlebotomists and other clinical laboratory personnel will have a chance to learn from the experiences of others and to take with them solutions to problems or issues that have arisen in their institutions.

**Debra St. Pierre, MS, SBB, MLS(ASCP)**
Director, Phlebotomy Program
Community College of RI
Lincoln, RI

*Sponsored by Greiner Bio-One North America*

1:30-4:00pm Intermediate 2 contact hours

**Current Trends in Phlebotomy**

Infection control and safety are always major concerns in phlebotomy. One such concern is the splash associated with winged infusion devices. Needle sticks remain a concern as well. Several new and exciting phlebotomy products are on the market that address these issues. Various types of equipment and techniques will be presented. Participants will have the opportunity to use several types of equipment on phlebotomy training arms.

**Debra St. Pierre, MS, SBB, MLS(ASCP)**
Director, Phlebotomy Program
Community College of RI
Lincoln, RI

*Sponsored by Greiner Bio-One North America*

*****ASCLS-CNE *****

Annual Business Meeting

Tuesday, April 28, 2015
4:00pm

All are invited to attend!!
This is your opportunity to get involved with ASCLS

(signs will be posted directing participants to the meeting)
Proudly serving hospitals and patients throughout New England

The Rhode Island Blood Center Mission: To provide a safe, adequate and cost effective blood supply for the patients and hospitals we serve.

- **401-453-8368**
  Hospital Services for all your component needs

- **401-248-5704**
  Client Supervisor for Donor Testing services

- **ASHI accredited HLA/DNA testing services 401-248-5728**
  AABB IRL Laboratory: **401-453-8365**

- **401-453-8566**
  Patient and Cellular Therapy services

Visit us at [www.ribc.org](http://www.ribc.org) or call **1-800-283-8385** for more information
### Wednesday April 29, 2015

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<th>Time</th>
<th>Event</th>
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<td>8:00am-3:00pm</td>
<td>Registration</td>
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<tr>
<td>10:00am-10:30am</td>
<td>Coffee Break</td>
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<tr>
<td>11:30am-1:30pm</td>
<td>Dedicated Exhibit Hours</td>
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<tr>
<td>12:00-1:30pm</td>
<td>Lunch break (separate fee for lunch required)</td>
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</table>

**Wednesday luncheon session:**

Emerging Infections and Their Impact on Transfusion Safety—Roger Y. Dodd, PhD

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>2:30pm-3:00pm</td>
<td>Coffee Break</td>
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<tr>
<td>4:00pm-5:00pm</td>
<td>VENDOR RECEPTION —— All attendees are welcome!</td>
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**HEMATOLOGY**

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00am-11:30pm</td>
<td>Intermediate</td>
<td>2</td>
<td>Emerging Hematology Technology: The Automated Digital Cell Morphology Identification</td>
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<td>Differential counting of peripheral blood cells is an important diagnostic tool. This session will introduce the HemoFAXS Hematology Analysis System by Tissue Gnostics technology for the automated digital cell differential for determining the classification of leukocytes. With the use of case studies, the automated microscopy analysis will be reviewed and disease states will be discussed.</td>
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<td><strong>Kathleen Finnegon, MS, MT(ASCP)SH</strong></td>
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<td>Clinical Associate Professor</td>
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<td>Stony Brook University</td>
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<th>Contact Hours</th>
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<tbody>
<tr>
<td>1:30-4:00pm</td>
<td>Intermediate</td>
<td>2</td>
<td>Differential Diagnosis of Left Shift: The Most Common Abnormality Seen at CBC-Differential</td>
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<td>While left shift is a very common abnormality seen by labs during CBC testing, its significance can vary significantly, ranging from a simple and localized infection to life threatening conditions such as acute pro-myelocytic leukemia. In this presentation, we will review the differential diagnosis for various clinical conditions associated with left shift, and discuss the proper procedures laboratories can implement to make sure that the most critical diseases that can lead to left shift are not missed.</td>
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<td><strong>Fernando P. Chaves, MD</strong></td>
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<td>Director, Global Scientific Affairs</td>
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<td>Beckman Coulter</td>
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**WEDNESDAY LUNCHEON**

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<tr>
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<th>Event</th>
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<tbody>
<tr>
<td>12:00pm-1:00pm</td>
<td>Intermediate</td>
<td>1</td>
<td>Emerging Infections and Their Impact on Transfusion Safety</td>
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<td>Emerging infections are defined as those human infections whose incidence has increased over the 20 years. Their nature and origin will be discussed, with appropriate examples. Special attention will be given to those emerging infections believed to threaten the safety of the blood supply, particularly in the USA.</td>
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<tr>
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<td><strong>Roger Y. Dodd, PhD</strong></td>
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<td>Formerly Vice President, Research &amp; Development, American Red Cross</td>
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<td>N. Potomac, Maryland</td>
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<td><strong>Sponsored by Grifols Diagnostic Solutions</strong></td>
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**Wednesday Lunch:**

- Bakery Sliced Breads with butter
- Caesar Salad with Sliced Grilled Chicken Breast
- Cheesecake
- Coffee/Tea

(Vegetarian/Gluten Free Meal on request)
**CHEMISTRY**

**Wednesday April 29, 2015**

<table>
<thead>
<tr>
<th>Time</th>
<th>Level</th>
<th>Contact Hours</th>
<th>Event Description</th>
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</table>
| 9:00-10:00am | Intermediate | 1 contact hour | The Endocrinology of Aging: Can We Turn Back the Clock? Endocrinology plays a critical role in the aging process. This presentation will discuss several endocrine systems and examine the changes that take place as we age. Various laboratory tests to assess the function of these endocrine systems and monitor treatment will be covered.

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

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<tr>
<th>10:30am-11:30pm</th>
<th>Intermediate</th>
<th>1 contact hour</th>
<th>The Prostate Health Index-- phi: A Simple Blood Test for Better Prostate Cancer Detection</th>
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</table>

There are limitations and controversy surrounding PSA. Elevated PSA may not indicate clinically significant cancer. As a result, prostate cancer is over diagnosed and over treated. This presentation will discuss how a recently FDA-approved test called the Prostate Health Index or phi can improve the detection of prostate cancer.

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

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<tr>
<th>1:30-4:00pm</th>
<th>Basic</th>
<th>2 contact hours</th>
<th>HIV Testing Development: How Your HIV Testing Fits into the CDC Guidelines</th>
</tr>
</thead>
</table>

HIV detection capabilities have evolved since the early days of HIV discovery. New assays shorten the seroconversion window, expediting patient treatment and impeding the spread of the virus. In this seminar, we will discuss the development of diagnostic methods and how the latest algorithm could improve patient care.

Paulina Leung-Lee, BSc, MBA  
Sr. Sales Product Manager  
Bio-Rad Laboratories, Inc.  
Benicia, CA  
Sponsored by Bio-Rad Laboratories, Inc. |
### Microbiology

#### Antimicrobial Action of Coconut Oil

This presentation will discuss the antimicrobial action of coconut oil, including how coconut oil is produced, common uses, health benefits, active components, mechanism of antimicrobial action, and pathogens that coconut oil is effective against.

**Caterina M. Miraglia, D.C., MLS(ASCP)**  
Assistant Professor  
University of Massachusetts  
Department of Medical Laboratory Science  
Dartmouth, MA

#### Mass Spectrometry for Bacterial Identification

This presentation will cover the basics of matrix-assisted laser desorption ionization-time of flight (MALDI-TOF) mass spectrometry and its application in the clinical microbiology laboratory. The topics will include identification of bacteria, mycobacteria and fungi, laboratory workflow considerations, and potential future applications in clinical microbiology.

**Phillip Heaton, PhD**  
Mayo Clinic  
Rochester, MN

#### Best Practices in Manual Pipetting

Rapid molecular assays are an integral part of today’s lab. Pipetting performance is critical to excellent results. Does your lab employ best practices for improving pipetting performance? Attending this seminar will arm you with the tools to implement best practices in pipetting in your own laboratory.

**Candie Gilman**  
Training Product Manager  
Artel  
Westbrook, ME

**Sponsored by Artel**

#### “Leaning” The Diagnosis of Group A Strep

Group A Strep is an etiologic agent of diverse syndromes, including strep pharyngitis, scarlet fever, and peritonsillar abscess. It also plays a significant role in development of post-streptococcal infection sequelae, including acute rheumatic fever, acute glomerulonephritis, and reactive arthritis. This seminar will give an overview of how to “LEAN” The Diagnosis of Group A Strep in the microbiology laboratory.

**Mary-Margaret Fisher, BS, MT(ASCP)**  
Laboratory Manager  
The Children’s Hospital of the King’s Daughters  
Norfolk, VA

**Sponsored by Meridian BioScience, Inc.**
WORKSHOP #1
Hematology

*8:30am to 4:00pm (5 hours)

Blood Parasite Wet Workshop

This workshop will be an introduction to blood parasite identification using real patient cases from the southern New England area. The workshop will include instruction on slide preparation, staining and review. Also, included will be some clinical correlation from Infectious Disease specialists. Participants will utilize microscopes in this wet workshop to visualize and identify several varieties of blood parasites.

Denise Rioux, MT(ASCP)
Rachel Paradis, MT(ASCP)
Jeanne Andrews, MT(ASCP)
Pathology Technical Specialists
Rhode Island Hospital
Providence, RI

*This Workshop is limited to 20 participants*

WORKSHOP #2
Molecular Diagnostics

*8:30am to 4:30pm (5 hours)

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
Demystifying Change Management in the Validation Process

In this session, we will present points to consider on how to use your change management and validation processes to minimize the risk and effort required to move to a new software system or to upgrade your existing software. We will address how to look at your processes holistically, using training, change management and validation to provide a plan of action to ensure that you stay in compliance. The speaker will provide handouts and process flow charts to assist you in carrying this out in your organization.

Joseph Franchetti, BSc
Managing Consultant
JAF Consulting, Inc.
Magnolia, NJ

Sponsored by JAF Consulting, Inc.

Transfusion in a Multi-Ethnic Population

Transfusion of individuals from varying ethnic origins, particularly with blood from other ethnic origins, has resulted in an increase in rare, unusual or complex mixtures of antibodies. I will describe the problems seen in the UK, how we are solving them, and also describe some of the pitfalls experienced.

Malcolm Needs, CSci FIBMS
Reference Service Manager
National Health Service Blood & Transplant (UK)
London, England

Emerging Viruses & Plasma Transfusion

Virus safety of blood products has improved dramatically. However, along with PB19, HAV and HEV, attention has recently been paid to emerging viruses, such as West Nile Virus, Dengue, Chikungunya, and Ebola Virus. To reduce the risk of virus transmission, measures have been implemented to increase the blood product safety.

Andrea Neisser-Svae, MSc, PhD
Vice President Scientific and Medical Affairs, ICEM
Octapharma, USA, Inc.
Hoboken, NJ

Sponsored by Octapharma USA, Inc.

The Red Cell Storage Duration Study: RECESS

The changes that occur to stored RBC have led to the hypothesis that they might not deliver oxygen readily. However, retrospective, observational studies have reached conflicting conclusions. RECESS was a multicenter, prospective study in which cardiac surgery patients were randomized to receive RBC stored ≤10 d or ≥21d. The two groups were then compared for a number of clinical outcomes.

Christopher P. Stowell, MD, PhD
Director, Blood Transfusion Service
Associate Professor of Pathology
Massachusetts General Hospital
Boston, MA
Clinical Laboratory Quality in the ACOs

The laboratory is an integral part of the ACO and more than ever, quality plays a big role in the success. The speaker will define the ACO, and identify the importance of the laboratory to the ACO.

Jim Jarnot, MBA, MT(ASCP)SC
Technical Director
Catholic Health
Buffalo, NY

Sponsored by Beckman Coulter

The Effects of Healthcare Reform On Laboratory Medicine

Laboratories feel continuous pressure to significantly reduce expenses, especially in the light of the Protecting Access to Medicare Act of 2014. Today’s talk will help attendees understand the impetus for healthcare reform, identify changes in lab industry focus because of it, and equip them to proactively and successfully respond by providing highly performing, low cost laboratory services.

Paul D. Camara, MS
Principal
Applied Management Systems, Inc
Burlington, MA

4:00pm to 5:00pm

Vendor Reception & Social Exhibit Hall

ALL ATTENDEES ARE WELCOME
Please join your colleagues for this social hour!
“It’s a Hit!”  Why DNA Profiling & Databasing are Useful Investigatory Tools

This presentation will focus on the use of databases in criminal investigations, specifically the value of DNA profiling and how this tool is used in a DNA database. The presentation will briefly explain how a DNA profile is generated and the history and development of the RI State and National DNA Databases. Casework examples will be presented to demonstrate how DNA database matches are used as an investigatory tool. Database regulations will also be discussed to further the understanding that there are restrictions as to whose DNA profile may be included in a DNA database. If time permits, the future of the DNA databasing and changes in the law that may broaden database use will be discussed.

Karen Lynch, MS, MT(ASCP)
Principal Forensic Scientist, RI CODIS Administrator
Rhode Island Department of Health Laboratories
Providence, RI

10:30-11:30am  Basic  1 contact hour

Rhode Island State Crime Laboratory & Trace Evidence

Trace evidence is very valuable to investigators in helping disprove or support witness testimony or aid in crime scene reconstruction. We will discuss the broad spectrum of trace evidence that can be submitted to the laboratory and give examples of the importance of trace evidence through case presentations.

Kim Freeland, MSFS
Criminalist II
Rhode Island State Crime Laboratory
Kingston, RI

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

Famous Cases Revisited

Sensational cases with forensic evidence have interested the public for decades. What lessons scientists learn from these cases, how they were investigated, whether analyses were objective, and the effects on public perception and the reality of forensic science will be discussed. Cases such as the Amanda Knox trial, Casey Anthony trial and other recent highly-publicized cases will be used as examples.

Elaine M. Pagliaro, MS, JD
Assistant Executive Director
Henry C. Lee Institute of Forensic Science
University of New Haven
West Haven, CT

3:00-4:00pm  Basic  1 contact hour

Death Investigations Involving the Use of Fentanyl

Presentation of a series of death investigations involving the use of fentanyl from over the last 17 years will be used to demonstrate approaches used by medical examiners to determine cause and manner of death and the challenges of interpreting toxicology results in the forensic setting.

Christina Stanley, MD
Chief Medical Examiner
Department of Health
State of Rhode Island
Providence, RI
Thursday April 30, 2015

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)

\textit{Thursday luncheon session:}
\textbf{Developing Executive Presence- Jennifer Zinn}

2:30pm-3:00pm

\textbf{MANAGEMENT}

9:00-11:30am  Basic  2 contact hours

\textbf{Leading with Authority Rather Than Power}

The words “management” and “leadership,” as well as “manager” and “leader,” are often used interchangeably. When a person is placed in a management position, he or she becomes the assumed leader. However, becoming a manager does not mean one is a leader. While power is an inherent component of any management position, the authority necessary to lead is often lacking. Understanding the concept of leading with authority and putting it into practice could mean the difference between having employees who come to work and provide only the base minimum versus having high-performance employees who are willing to engage their excitement, passion and curiosity. Attendees of this session will walk away with a new perspective regarding their role as leaders and will look upon their responsibilities with a greater sense of significance, while recognizing their personal and professional impact on the employees they lead.

\textbf{Cherie V. Peterson, BA}
Distance Education Program Coordinator
ARUP Laboratories, Institute for Learning
Salt Lake City, UT

\textit{Sponsored by ARUP Laboratories}

1:30-4:00pm  Intermediate  2 contact hours

\textbf{Unlocking Your Laboratory’s Potential with Middleware}

Your laboratory faces a multitude of challenges, and the key to overcoming these challenges is to create greater value. Middleware solutions can help your lab harness its full potential. This presentation will focus on 3 sources of real, sustainable value: Medical Technologists, the LIS Coordinator, and Lab Data.

\textbf{Rob Servis, MT(ASCP)}
Laboratory Technology Sales Consultant
Roche Diagnostics
Indianapolis, IN

\textit{Sponsored by Roche Diagnostics}

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

\textbf{Basic}

\textbf{Developing Executive Presence}

Developing Executive Presence is designed to encourage attendees to do a self-assessment of their appearance and demeanor in their workplace setting and determine areas that need improvement based on how others view them.

\textbf{Jennifer Zinn}
Vice President, Strategic Affairs
Roche Diagnostics Corporation
Indianapolis, IN

\textit{Sponsored by Roche Diagnostics Corporation}

\textbf{Thursday Luncheon:}
Bakery Sliced Breads with butter
Cobb Salad
Carrot Cake
Coffee/Tea
(Vegetarian/Gluten Free Meal on request)
### CHEMISTRY

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**Food Allergies: Laboratory Testing & Diagnosis**

The incidence of allergy and asthma is on the rise worldwide. There are about 55 million Americans who suffer from allergies. Approximately 300 people die from severe allergic reactions each year in the United States. Traditionally, allergy specialists had the primary responsibility to diagnose and manage allergy patients. However, with the advent of newer more sensitive in vitro allergy testing methods, primary care physicians can now confirm a diagnosis and decide whether the patient can receive appropriate treatment or must be referred to a specialist. This presentation describes various aspects of allergies and allergy testing including: allergy definition and common allergens, clinical signs and symptoms, the allergy march and comparison of in vivo and in vitro allergy testing methods.

Jim Aguanno, PhD  
Senior Clinical Specialist  
Siemens Healthcare Diagnostics  
Tarrytown, NY

*Sponsored by LABSCO*

### HEMATOLOGY

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**Platelet Counting Technologies in Hematological Analyzers: Their Advantages, Limitations & Dangerous Pitfalls**

In this presentation, we will discuss various technological solutions for the automated counting of platelets, with focus of the pros and cons of each solution. We will also highlight possible platelet abnormalities that can interfere with accurate counting, and propose solutions to early detection of these abnormalities so that abnormal results are not reported to clinicians.

Fernando P. Chaves, MD  
Director, Global Scientific Affairs  
Beckman Coulter  
Brea, CA

*Sponsored by Beckman Coulter*

1:30-4:00pm  
**Intermediate**  
2 contact hours

**CBC and Peripheral Blood Smear Interpretation: Case Studies**

Through case studies, we will examine pathogenesis, clinical presentation, peripheral blood findings, bone marrow aspirate findings, molecular testing and patient outcomes of many hematologic disease states. This session will emphasize the impact of observations and judgments made by the medical technologist in the detection and treatment of hematologic disorders.

Karen Ferreira, MS, MLS(ASCP)  
Associate Scientific Director-Hematology  
Lifespan Academic Medical Center  
Providence, RI

*Sponsored by Roche Diagnostics*
**Thursday April 30, 2015**

**CYTOLOGY**

**9:00-10:00am Basic 1 contact hour**

**The Biology of the Criteria of Malignancy**

Cell biologists are finding explanations for many of the “Criteria of Malignancy.” We will discuss a “classification” of the criteria of malignancy that creates common ground with cancer researchers, and provides a glimpse of the biologic basis for some of these changes.

**Andrew H. Fischer**
Professor of Pathology & Cell Biology
Director of Cytopathology
Worcester, MA

**10:30am-11:30am Intermediate 1 contact hour**

**Screening for Cervical Cancer: Demystifying the New Guidelines**

In 2011, the ASCCP and ASCP released new guidelines for cervical cancer screening. Guidelines incorporate multiple technologies to reduce the risk of cervical cancer while reducing the risk of unnecessary testing and procedures. We will review the science behind the new guidelines.

**Sarah D. Fox, MD**
Assistant Professor (Clinical) OB/GYN
Women & Infants Hospital
Alpert School of Medicine at Brown University
Providence, RI

**1:30-2:30pm Intermediate 1 contact hour**

**Rapid On Site Evaluation (ROSE): A Single Institution’s Experience & Overview**

ROSE technique for evaluation of cytology specimens has been shown to improve the diagnostic yield of sampling procedures while reducing cost and inconvenience for re-sampling following non diagnostic results. Individual cases can also be triaged on-site for ancillary studies. While an effective tool, there are still limitations to its application.

**Simpal Gill, MBBS**
Cytopathology Fellow
Dartmouth-Hitchcock Medical Center
Lebanon, NH

**3:00-4:00pm Intermediate 1 contact hour**

**Applications of Cytogenetics & Molecular Cytogenetics to Cytology**

The presentation will include a review of conventional methods, i.e., karyotyping and molecular cytogenetics methods, i.e. FISH and recently developed methods such as whole genome investigation by aCGH, SNP array, whole genome sequencing, next generation sequencing. Advantages and limitations of these methods will be discussed and illustrated by clinical cases on cytology specimens.

**Stanisława Weremowicz, PhD**
Assistant Professor of Pathology, HMS
Brigham & Womens Hospital
Department of Pathology
Boston, MA
Salmonella Outbreak at the Hot Air Balloon Festival: What Happens When Pigs Fly

We will present a Salmonella foodborne disease outbreak investigated by the RI Department of Health in July 2013. The Division of Infectious Disease & Epidemiology, in collaboration with the Office of Food Protection will discuss their roles in rapidly identifying the source of the outbreak. The State Laboratory will also discuss its role in the investigation, including: Salmonella isolation from food, identification, serological characterization, and strain characterization by PFGE.

Daniela Quilliam, MPH
Chief, Acute Infectious Disease Program
Ernest Julian, PhD
Chief, Office of Food Protection
Adam Miller, MS, MT
Principal Clinical Laboratory Scientist
Rhode Island Department of Health
Providence, RI

Forensic Toxicology: The Growing Illicit Opioid Epidemic

The past several year have seen a significant rise in illicit opioid use, resulting in increased rates of overdose and deaths. This presentation will discuss this growing epidemic and the specific drugs of abuse involved. Impaired driving and postmortem cases attributed to illicit opioid use will also be presented.

Laurie Ogilvie, MS, D-ABFT-FT
Supervisor, Forensic Toxicology
Rhode Island Department of Health Labs
Forensic Science Unit
Providence, RI

The Needle & the Damage Done: Illicit Drug Identification, Local & National Trends & Emerging Synthetic Compounds Encountered at the RI Department of Health Forensic Drug Chemistry Laboratory

Stoners, junkies and dope fiends…..today’s addicts are using drugs more potent than ever. We look inside the RI Forensic Drug Chemistry Laboratory, show analysis of various substances and explore common and legal street drugs. We compare trends, including emerging synthetic compounds and “legal Highs” as rogue chemists attempt to stay one step ahead of the law.

Leslie A. Nolan, BS
Senior Forensic Scientist
RI Department of Health, Forensic Sciences Division
Providence, RI
Plasma Transfusion: Components, Indications & Alternatives

Plasma components are widely used to treat and prevent bleeding, often given to patients with abnormal coagulation tests. This session will review recent studies that examine the clinical indications for plasma transfusion, and the available data on its effectiveness and associated risks. In addition, alternative products are supplanting or supplementing plasma transfusion, and the session will explore these recent trends in clinical practice.

Anne Eder, MD, PhD
Vice President, Medical Affairs
American Red Cross
Rockville, MD

Sponsored by American Red Cross

Prevention of Mistransfusion Events

Many standards, goals and guidelines are aimed at ensuring proper patient identification and preventing serious transfusion safety events due to ABO incompatible transfusions. This presentation will highlight the requirements and best practices for reducing the risk of mistransfusion and ensuring a safe and effective transfusion process.

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

Investigating the Platelet Storage Lesion: Identifying the Problems & Discussing Solutions

The platelet storage lesion is a series of biochemical and functional changes to blood bank platelets which limits their efficacy upon transfusion. The aim of this session is to 1) review the changes that occur during platelet storage that constitute the platelet storage lesion and 2) introduce modifications to blood bank platelets which may help to attenuate the storage lesion.

Christopher A. Tormey
Assistant Professor of Laboratory Medicine
Yale University School of Medicine
New Haven, CT

Removal of MNC by Apheresis: Is the Donor at Risk of Malignancy

Removal of MNC by apheresis or blood donation might leave a normal donor at risk of developing a malignancy or immunological disease. We will review the literature, both pro and con. The life cycle of lymphocytes will be addressed.

Edward L. Snyder, MD, FACP
Professor of Laboratory Medicine
Director of Transfusion Medicine
Yale New Haven Hospital
Yale School of Medicine, Department of Laboratory Medicine
New Haven, CT
9:00-10:00am  Intermediate  I contact hour

**Molecular Methods to Detect Carbapenem-Resistant Enterobacteriaceae**

This presentation will give an introduction and brief background on Carbapenem-Resistant Enterobacteriaceae, and cover traditional versus molecular methods to identify these species. We will discuss the various classes of Beta-Lactamases and their methods of action. Finally, case studies involving hospital breakouts of CBE and the consequences of such incidents will be presented.

_Andrea M. Pierce, PhD, C(ASCP)_
_Sr. Field Applications_
_Cepheid, Inc._
_Sunnyvale, CA_

*Sponsored by Cepheid*

10:30am-11:30am  Basic  I contact hour

**Serial Procalcitonin Measurements for Improved Prognostic Assessment of Pneumonia**

Procalcitonin is a pro-hormone that specifically rises in response to bacterial infection including pneumonia. While there are many applications of procalcitonin, including initial assessment and antibiotic stewardship, data is inconclusive on its use for prognostication of clinical outcomes. We present a study using serial procalcitonin values for this purpose.

_Suzanne McCluskey, MD_
_Resident Physician_
_Massachusetts General Hospital_
_Boston, MA_

*Sponsored by BioMerieux*

1:30-2:30pm  Intermediate  I contact hour

**Legionellosis: It is More Common Than You Think**

*Legionella pneumophila* is a vastly underreported etiological agent for both healthcare associated and community acquired pneumonia. It is transmitted via aerosolization of contaminated water droplets. *L. pneumophila* is a common bacterium in biofilm. Outbreaks can go undetected for months to years.

_Norman Moore, PhD_
_Director of Scientific Affairs_
_Alere_
_Scarborough, ME_

*Sponsored by Alere*

3:00-4:00pm  Intermediate  I contact hour

**The Case for Diagnostics to Help Direct Therapy**

One of the greatest global threats is the rising tide of antibiotic resistant bacteria. Yet even with this crisis, many doctors prescribe antibiotics based on symptoms rather than rely on diagnostics that could better define what antibiotic, or even if one is needed at all.

_Norman Moore, PhD_
_Director of Scientific Affairs_
_Alere_
_Scarborough, ME_

*Sponsored by Alere*
### ATTENTION STUDENTS

#### ASCLS-CNE presents

**the**

**12th ANNUAL STUDENT POSTER COMPETITION!!**

Case studies and research topics (either library research or scientific research) will be presented in a poster format by ASCLS-CNE student members from CLS, CLT & Cytology programs in our area. Posters will be available for your viewing pleasure. Prizes will be awarded at 4:00pm on Thursday following the final session for the day.

*For more information, please contact*
Kristen Carpenter-Azevedo at 401-368-2650
(K.CarpenterAzevedo@health.ri.gov)
OR
Barbara Klitz at 401-277-5210
(bgk@etal.uri.edu)

**CASH PRIZES WILL BE AWARDED!**

### Thursday April 30, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00-10:00am</td>
<td><strong>ASCLS Student Forum Meeting</strong></td>
</tr>
<tr>
<td></td>
<td>The student forum meeting is open to all students of</td>
</tr>
<tr>
<td></td>
<td>ASCLS. The incoming student president will be intro-</td>
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<td></td>
<td>duced. Student members will be updated on upcoming</td>
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<tr>
<td></td>
<td>events.</td>
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<td></td>
<td><strong>Scott Connolly</strong></td>
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<td></td>
<td>Student Forum President</td>
</tr>
<tr>
<td></td>
<td>University of Massachusetts-Dartmouth</td>
</tr>
<tr>
<td></td>
<td>Dartmouth, MA</td>
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<tr>
<td>10:30-11:30am</td>
<td><strong>A Day in the Life of a CLS</strong></td>
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<td>A panel presentation will aim to explain the day-to-</td>
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<td>day-functions of a laboratory professional and varying</td>
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<tr>
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<td>opportunities within these functions. Hear from</td>
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<tr>
<td></td>
<td>professionals who have found a variety of options in</td>
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<tr>
<td></td>
<td>which to practice.</td>
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<tr>
<td>1:30-4:00pm</td>
<td><strong>Mock Certification Exam</strong></td>
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<td></td>
<td>The primary purpose is to help medical laboratory</td>
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<td></td>
<td>science students prepare for the certification</td>
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<tr>
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<td>examination. This exam will consist of one hundred</td>
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<td></td>
<td>multiple choice questions grouped into content areas,</td>
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<tr>
<td></td>
<td>including hematology, microbiology, clinical chemistry,</td>
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<tr>
<td></td>
<td>immunohematology, urinalysis and immunology. This will</td>
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<tr>
<td></td>
<td>be a proctored exam. Answers will be provided at the</td>
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<tr>
<td></td>
<td>end of the sessions</td>
</tr>
</tbody>
</table>

### Sponsoring Societies

- ASCP Board of Certification
- ASCP Stronger Together
- AGT III IMK
- ASCLS Association of Genetic Technologists
ASCLS-CNE
67th ANNUAL CONVENTION

Sponsors and Exhibitors

Our thanks to all for supporting the ASCLS-CNE 67th 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, 4/28 - 10:00pm-4:00pm
Wednesday, 4/29 - 9:00am -5:00pm
Thursday, 4/30 - 9:00am-3:00
Exhibitor Move-Out: Thursday April 30, 2015 at 3:00pm

In addition, ASCLS-CNE will host a
VENDOR RECEPTION
Wednesday, April 29th from 4:00 to 5:00pm

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

AB SCIEX
Abbott Diagnostics
Advanced Instruments, Inc.
Agilent Technologies, Inc.
Alcor Scientific Inc.
Alere North America
ARKRAY
Artel
Audit MicroControl, Inc
BD Diagnostics
Beckman Coulter
The Binding Site, Inc
Bio-Fire Diagnostics, LLC
Bio-Rad Laboratories, Inc
Cardinal Healthcare
Cepheid
Diagnostica Stago Inc
DiaSorin, Inc.
East Side Clinical Lab
Eppendorf
Fisher Healthcare
Global Focus Marketing
Hettich Lab Technology
Higgins Corporation
Hitachi Chemical Diagnostics
Hologic
Horiba Medical
HTI Medical, Inc

Immucor
Instrumentation Laboratory
JAF Consulting
Laboratory Supply Company
Mayo Medical Laboratories
Medica Corporation
Meridian Bioscience, Inc.
MicroVideo Instruments, Inc
Novartis (Grifols)
NOW Delivery
Octapharma USA, Inc
Ortho Clinical Diagnostics
Otsuka
Quest Diagnostics
Quidel
Radiometer America, Inc
Rainbow Scientific Inc
Remel
Roche Diagnostics/Centralized Diagnostics
Sebia Electrophoresis
Sekisui Diagnostics
SeraCare Life Sciences
Siemens Healthcare Diagnostics
Stanbio Laboratory
Sysmex America, Inc.
TELCOR, Inc
Thermo Fisher Scientific
Trinity Biotech USA Inc.
ASCLS-CNE
would like to thank our generous sponsors
for sponsoring our
Speakers
Welcome Bags
Vendor Reception & Social
Coffee breaks

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.

Meeting Rooms
ASCLS-CNE Meeting Rooms are all located on the 5th Floor of the RI Convention Center. Watch for posted signs for session room assignments.
Park on Level 4 of the Convention Center Parking Lot. Walk to Convention Center/Westin Hotel Entrance. Take a right onto Convention Center Lobby/connector. Signs will be posted. Take escalators to the Fifth Floor. Registration is in the Prefunction Lobby on the 5th floor.

Hotel Accommodations
Hotel accommodations are at the Hilton-Providence, located ONE block from the Rhode Island Convention Center. The special room rate is $139.00/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 1.
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:

Please visit:

www.ascls.org

To print a membership form
Or
Join online

Please consider joining ASCLS today!

Please visit us at the ASCLS-CNE Membership Booth
2015 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 April 24, 2015 include PARKING VOUCHERS. Late & walk-in registrants must park at their own expense.

DO NOT MAIL REGISTRATIONS AFTER April 24, 2015
Bring them to the Convention. No refunds will be given after April 24, 2015

Receipts will be available at the meeting only.
2015 ASCLS-CNE ANNUAL CONVENTION REGISTRATION FORM

Last name:____________________________________ First name:____________________________________

Street address:______________________________________________________________________________

City:____________________________ State:______________ Zip:__________________________

Telephone#: (h) ____________________ (w) ____________________ RI CLS/CLT License# ______________

Institutional (workplace) affiliation:_____________________________________________________________

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

American Society for Clinical Laboratory Science (ASCLS) Membership #: __________________________

(Please check if member; rosters will be checked)

Member: _____ CLMA ______ RICA ______ NEB ASM _____RISH

<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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<tbody>
<tr>
<td><strong>Tuesday, April 28, 2015</strong></td>
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<tr>
<td>Day Session (Luncheon Excluded)</td>
<td>$75</td>
<td>$110</td>
<td>$25</td>
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<tr>
<td>Luncheon Session (1 hr or .1 CEU)</td>
<td>$25</td>
<td>$25</td>
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<td><strong>Wednesday, April 29, 2015</strong></td>
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<tr>
<td>Day Session (Luncheon Excluded)</td>
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<tr>
<td>Luncheon Session (1 hr or .1 CEU)</td>
<td>$25</td>
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<tr>
<td>Workshop #1– Blood Parasites</td>
<td>$100</td>
<td>$150</td>
<td>$75</td>
<td>$80</td>
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</tr>
<tr>
<td>Workshop #2– Molecular Diagnostics</td>
<td>$100</td>
<td>$150</td>
<td>$75</td>
<td>$80</td>
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<tr>
<td><strong>Thursday April 30, 2015</strong></td>
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<td>Day Session (Luncheon Excluded)</td>
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<tr>
<td>Luncheon Session (1 hr or .1 CEU)</td>
<td>$25</td>
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<tr>
<td>2-Day Registration (does not include workshops)</td>
<td>$140</td>
<td>$200</td>
<td>$40</td>
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<td>Please indicate days</td>
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<tr>
<td>3-Day Registration (does not include workshops)</td>
<td>$200</td>
<td>$300</td>
<td>$60</td>
<td>$75</td>
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<tr>
<td>3-Day lunch</td>
<td>$75</td>
<td>$75</td>
<td>$75</td>
<td>$75</td>
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</tbody>
</table>

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: ______________________________

Cardholder Signature: __________________________

Mail this completed registration form with appropriate payment (postmarked by April 26, 2015) to:

Maddie Josephs
43 Bourne Avenue
Rumford, RI 02916

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<table>
<thead>
<tr>
<th>Time Slot</th>
<th>Chemistry</th>
<th>Hematology</th>
<th>Transfusion Medicine</th>
<th>Molecular Diagnostics</th>
<th>Phlebotomy</th>
<th>Microbiology</th>
<th>Histology</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00am-10:00am / 10:30am-11:30am</td>
<td>The D-Lightful Vitamin D for Health Michael Holick, MD, PhD</td>
<td>Pre-analytical Variables in Hemostasis Testing Sally Pucci, MBA, CLS</td>
<td>Workflow Analysis Using LSS Roadmap Barbara Bachman, MS, MT (ASCP)SBB</td>
<td>Practical Tools in Molecular Diagnostics Testing for Laboratorians Shashi Mehta, PhD</td>
<td>Phlebotomy Challenges Unique to the NICU Debra St. Pierre, SBB,MS, MT (ASCP)</td>
<td>Vaccine Renaissance Lenny Moise, PhD</td>
<td>The Artistry of Special Stains Alan Maziarz, BS</td>
</tr>
<tr>
<td></td>
<td>Improving Outcomes and Cost Structure Through the Use of Mass Spectrometry Matthew Woodcock, PhD</td>
<td>Von Willebrand Disease Kathleen Winner, MS, MT (ASCP)SH</td>
<td>Competency Assessments for Nontraditional Clinical Tests and Staff Olive Sturtevant, MHP, MT(ASCP), SBB</td>
<td>Testing in Hereditary Cancer Syndrome Mike He, MD, PhD</td>
<td>Phlebotomy Round-Table Discussion Debra St. Pierre, SBB,MS, MT (ASCP)</td>
<td>We Have To Do What? Cynthia Vanner, BS, CLS</td>
<td>Case Studies in Neuropathology John E. Donahue, MD</td>
</tr>
<tr>
<td>1:30pm-2:30pm / 3:00pm-4:00pm</td>
<td>Clinical Overview of Laboratory Medicine in the Oncology Practice Evelyn Graham, MT(ASCP)</td>
<td>Sponsored by Absciex</td>
<td>Sponsored by IL</td>
<td>Gene Therapy: From Basics to Clinics Pranay D. Khare, PhD</td>
<td></td>
<td>Treating Low T May Lead to High RBC Carolyn T. Young, MD</td>
<td>Alzheimer’s Disease &amp; Other Dementias Edward Stopa, MD</td>
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<td>Lunch Speaker (12:00pm-1:00pm) Retirement Strategies- Lori Anderson, CRPC</td>
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<td>Infections Transmitted by Pets Michael Bergman, MD</td>
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<td>Sponsored by Sysmex</td>
<td>Next Generation Sequencing: Is it Ready for Prime Time Cynthia Jackson, PhD</td>
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<td>Sponsored by Grifols</td>
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</tr>
</tbody>
</table>
**ASCLS-CNE 67th Clinical Laboratory Science Convention**  
**Wednesday April 29, 2015**  
**Preliminary Schedule**

<table>
<thead>
<tr>
<th>Time</th>
<th>Microbiology</th>
<th>Chemistry</th>
<th>Management</th>
<th>Forensic Science</th>
<th>Molecular Diagnostics WORKSHOP</th>
</tr>
</thead>
</table>
| 9:00am-10:00am / 10:30am-11:30am | **Antimicrobial Action of Coconut Oil**  
Caterina M. Miraglia, DC, MLS(ASCP) | **Mass Spectrometry for Bacterial Identification**  
Philip R. Heaton, PhD  
Sponsored by Mayo Medical | **Demystifying Change Management in the Validation Process**  
Joseph Franchetti, BS  
Sponsored by JAF Consulting | | **It’s a Hit!**  
Karen Lynch | **RI State Crime Laboratory & State Evidence**  
Kim Freeland, MSFS | **Dead Investigations Involving the Use of Fentanyl**  
Christine Stanley, MD |
| 1:30pm-2:30pm/3:00pm-4:00pm | **Best Practices in Manual Pipetting**  
Candie Gilman  
Sponsored by Artel | **LEANING the Diagnosis of Group A Strep**  
Mary Margaret Fisher  
Sponsored by Meridian | **Clinical Laboratory Quality in the ACOs**  
Jim Jarnot, MBA, MT(ASCP)SC  
Sponsored by Beckman Coulter | | **Famous Cases Revisited**  
Elaine Pagliaro, MS, JD | **Fernando P. Chaves, MD**  
Sponsored by Beckman Coulter | **Death Investigations Involving the Use of Fentanyl**  
Christine Stanley, MD |

**Blood Parasite WORKSHOP**  
**PLEASE NOTE START TIME -8:30AM**

- **Blood Parasite Wet Workshop**
  - Denise Rioux, Rachel Paradis, Jeanne Andrews

**Lunch Speaker (12:00pm-1:00pm)**

- **Emerging Infections & Their Impact on Transfusion Safety**  
  - Roger Dodd, PhD

**Transfusion Medicine**

- **Demystifying Change Management in the Validation Process**
  - Joseph Franchetti, BS  
  - Sponsored by JAF Consulting

- **Transfusion in a Multi-Ethnic Population**
  - Malcolm Needs, CSci, FIBMS

- **The Red Cell Storage Duration Study: RECESS**
  - Christopher Stowell, MD, PhD

- **Emerging Viruses & Plasma Transfusion**
  - Andrea Neisser-Svae, MSc, PhD

**Hematology**

- **Emerging Hematology Technology:**
  - The Automated Digital Cell Morphology Identification
  - Kathleen Finnegan, MS, MT(ASCP)SH
  - Sponsored by Beckman Coulter

**Management**

- **Clinical Laboratory Quality in the ACOs**
  - Jim Jarnot, MBA, MT(ASCP)SC  
  - Sponsored by Beckman Coulter

- **Effect of Healthcare Reform on Laboratory Medicine**
  - Paul Camara, MS

**Forensic Science**

- **It’s a Hit!**
  - Karen Lynch

- **RI State Crime Laboratory & State Evidence**
  - Kim Freeland, MSFS

**Molecular Diagnostics WORKSHOP**

- **PLEASE NOTE START TIME -8:30AM**

- **Theory and Application of Molecular Diagnostics in the Clinical Laboratory**
  - With Data Interpretation
  - Shashi Mehta, PhD  
  - Cynthia Jackson, PhD

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

**ALL ARE WELCOME!**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00am - 10:00am</td>
<td>Platelet Counting Technologies in Hematological Analyzers</td>
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<td>Fernando P. Chaves, MD</td>
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<td></td>
<td><em>Sponsored by Beckman Coulter</em></td>
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<tr>
<td>10:30am - 11:30am</td>
<td>&quot;CBC and Peripheral Blood Smear Interpretation&quot; Case Studies</td>
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<td></td>
<td>Karen A. Ferreira, MS, MLS(ASCP)</td>
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<tr>
<td>1:30pm - 2:30pm</td>
<td>Food Allergies: Laboratory Testing and Diagnosis</td>
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<td>Jim Aguanno, PhD</td>
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<td></td>
<td><em>Sponsored by Siemans/Labsco</em></td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Unlocking Your Laboratory’s Potential with Middleware</td>
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<td>Rob Servis, MT(ASCP)</td>
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<td></td>
<td><em>Sponsored by Roche</em></td>
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<td></td>
<td>Prevention of Mistransfusion Events</td>
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<td></td>
<td>Melanie Champion, MBA, MT(ASCP)SBB</td>
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<td></td>
<td>Investigating the Platelet Storage Lesion</td>
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<td>Christopher A. Tormey, MD</td>
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<td>Removal of MNC by Apheresis</td>
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<td></td>
<td>Edward Snyder, MD, FACP</td>
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<tr>
<td>12:00pm - 1:00pm</td>
<td>Lunch Speaker (12:00pm - 1:00pm)</td>
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<td>Developing Executive Presence - Jennifer Zinn</td>
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<tr>
<td>2:30pm - 3:00pm</td>
<td>Molecular Methods to Detect Carbapenem Resistant Enterobacteriaceae</td>
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<td>Andrea Pierce, PhD</td>
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<td><em>Sponsored by Cepheid</em></td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Serial Procalcitonin Measurements for Pneumonia</td>
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<td>Suzanne McCluskey, MD</td>
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<td><em>Sponsored by BioMerieux</em></td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Legionellosis: It’s More Common Than You Think</td>
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<td>Norman Moore, PhD</td>
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<td><em>Sponsored by Alere</em></td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>The Case for Diagnostics to Help Direct Therapy</td>
</tr>
<tr>
<td></td>
<td>Norman Moore, PhD</td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Applications of Cytogenetics &amp; Molecular Cytogenetics to Cytology</td>
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<td></td>
<td>Stanisława Weremowicz, PhD</td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Screening for Cervical Cancer: Demystifying the New Guidelines</td>
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<td></td>
<td>Sarah Fox, MD</td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Rapid On Site Evaluation (ROSE)</td>
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<td></td>
<td>Simpal Gill, MBBS</td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>The Needle &amp; the Damage Done</td>
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<td></td>
<td>Leslie A. Nolan, BS</td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Salmonella Outbreak at the Hot Air Balloon Festival: What Happens When Pigs Fly</td>
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<td>Daniella Quilliam, MPH</td>
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<td></td>
<td>Ernest Julian, PhD</td>
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<td></td>
<td>Adam Miller, MS, MT</td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Forensic Toxicology: The Growing Illicit Opioid Epidemic</td>
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<td></td>
<td>Laurie Ogilvie, MS, D-ABFT-FT</td>
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</table>
Lab week is a time to honor the more than 300,000 laboratory professionals around the country who perform and interpret more than 10 billion laboratory tests in the United States every year.

Lab week is a chance to let people know about your dedication and commitment to your profession and to quality patient care.
SAVE THE DATE!!

2016 ASCLS-CNE Annual Convention

April 26-28, 2016

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:

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