October 24, 2015

Winston-Salem State University
1st Floor, F.L. Atkins Building
Martin-Luther King Jr. Drive
Winston-Salem, NC 27110

Fall Focus Speakers:

Shane Newby, MBA, MT(ASCP)SC
Lisa Maness, PhD, MT(ASCP)
Andy Meixner, PhD, CLSp(MB)
Shrita Smith, MS, MT(ASCP)
Cherie Webber, BS, MT(ASCP)
Candice Freeman, MLS (ASCP)CM, CQA(ASQ)
Ellie Luethy, MHS, MT(ASCP)
Stephanie Cochrane, MLSCM(ASCP)
Mary Alyce McCullough, BS
Norman Crowe, BS, ART
Georgia McCauley, PhD, MBA, MT(AMT)
Dave McCullough, MT(AMT)
J. Eric Stanford, MHA, MLS(ASCP)CM
Jesse Locklear, MLS(ASCP)CM

Novant Health
Winston-Salem State University
Winston-Salem State University
BD Life Sciences
LabCorp
Sandhills Community College
Winston-Salem State University
Winston-Salem State University
Wake Forest School of Medicine
LabCorp
Winston-Salem State University
American Medical Technologists
University of North Carolina Medical Center
University of North Carolina Medical Center

Fall Focus — 2015
“Harvest Your Knowledge”

Accommodations: Hampton Inn, 1900 Hampton Inn Court, Winston-Salem, NC 27103.
(336) 760-1660. Ask for the Fall Focus rate (Group Code: FFO) of $99 plus tax. This rate will be available until October 3, 2015. Reservations requests will then be confirmed depending on availability.

HOSTED BY: NCSSAMT & NCSCLS

Fall Focus Planning Committee: Georgia McCauley Chair, George Harwell, Jerry Johnson, Judy Smith, Tommie Williams, Mary Midkiff, Dave McCullough, Ray Dean, Lynn Dean, Catherine Brock, Eric Stanford, Nicole Pekarek

NCSCLS is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.

All programs are approved by ASCLS P.A.C.E.® Program and American Medical Technologists (AMT).
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>8:30 am—3:15 pm</td>
<td>NCSCLS Education Scientific Assembly (439)</td>
<td>Winston-Salem State University, F.L. Atkins Building —Room #’s in (###)</td>
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<tr>
<td>6:00 pm—6:30 pm</td>
<td>NCSCLS/NCSSAMT Joint Board Meeting (439)</td>
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<td>6:30 pm—8:00 pm</td>
<td>NCSSAMT Board Meeting (240)</td>
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**Saturday, October 24, 2015**  
Winston-Salem State University, 1st Floor F.L. Atkins Building  
8:15-9:00 am | Check-in and Registration  
*Continental Breakfast provided by the WSSU CLS Department*  
9:00-10:00 am | (102) Opening Keynote Session 1:  
_Beyond the Laboratory: Connecting Test Results to Outcomes of the Institution_  
Shane Newby, MBA, MT(ASCP)SC, General Manager, Novant Health (102)  
10:00-10:15 am | Break—1st floor  
10:15-11:15 am | (137) Session 2: Norovirus  
From Mass Media to Mass Spectrometry: MALDI/TOF in Microbiology Lab  
Lisa Maness, PhD, MT(ASCP)  
Winston-Salem State University  
(141) Session 3: Molecular  
_Easy Molecular Diagnostics_  
Andy Meixner, PhD, MB(ASCP)  
Winston-Salem State University  
(139) Part 1/2  
Session 4: Phlebotomy  
_Managing Preanalytical Variables—It’s All About Patient Outcomes_  
Shrita Smith, MS, MT(ASCP)  
BD Life Sciences  
11:15 am-12:45 pm | Lunch—1st floor and Society Business Meetings (NCSSAMT—141) & (NCSCLS—139)  
12:45-1:45 pm | (137) Session 5: General Lab  
_Inspection Readiness: Avoiding Common Pitfalls_  
Cherie Webber, MT(ASCP)  
LabCorp  
(141) Session 6: Blood Bank  
_“I Just Too Busy, Boss” - Engaging in an Interactive BB CE_  
Candice Freeman, MLS(ASCP) CM, CQA(ASQ)  
Sandhills Community College  
(139) Part 2/2  
Session 7: Phlebotomy  
_Managing Preanalytical Variables—It’s All About Patient Outcomes_  
Shrita Smith, MS, MT(ASCP)  
BD Life Sciences  
1:45-2:00 pm | Break—1st floor  
2:00-3:00 pm | (137) Session 8: Chemistry  
_Hunger Hormones—Is there any hope they can be controlled?_  
Ellie Luethy, MS, MT(ASCP)  
Winston-Salem State University  
(141) Session 9: Hematology  
_The Good, the Bad, and the Ugly: Abnormal WBC Morphology_  
Stephanie Cochrane, BS, MLS(ASCP) CM  
Winston-Salem State University  
(139) Session 10: Virology  
_Rabies: A Global Health Burden_  
Mary Alyce McCullough, BS  
Wake Forest School of Medicine  
3:00-3:15 pm | Break  
3:15-4:15 pm | (102) Endnote Session 11: NC Licensure—House Bill 806  
Norman Crowe, BS, ART, Vice-President, General Manager, LabCorp  
Panel Members: Georgia McCauley, Dave McCullough, Eric Stanford, Jesse Locklear
REGISTRATION FORM

Fall Focus 2015: Harvest Your Knowledge!
Saturday, October 24, 2015

Winston-Salem State University
1st Floor, F.L. Atkins Building
Martin-Luther King Jr. Dr.
Winston-Salem, NC 27110

REGISTRATION FEE (includes Lunch—**select below): $50.00 ($25.00 full time student)
PAYMENT: Check or Money Order
(Please make Checks payable to Fall Focus 2015) and MAIL to:

Judy Smith
201 Bluff Street,
Mt. Airy, NC 27030

*PAYMENT MUST BE RECEIVED BY OCTOBER 21, 2015 TO PROCESS YOUR REGISTRATION(S). After that date, Registration only available on-site the day of the meeting.

Name [First, Last, MI]: ______________________________________________
Degree(s) (e.g. MS, PhD, Student): ______________________________________
Discipline: Allied Health / Specialty: ____________________________________
(MLS, MT, MLT, RPT, RMA, AHI)
Daytime Phone: ________________________________
Preferred Email: ______________________________________________________
Home Address (Street, City, State, Zip): __________________________________
Employer: ___________________________________________________________
Title: ________________________________________________________________
Office Address (Street, City, State, Zip): _________________________________
_______________________________________
Member of: NCSCLS: _____ NCSSAMT: _____ CLMA: _____ ASCP: _____ AABB: _____

**BOX LUNCH PREFERENCE (Choose one): _____ Ham     _____ Turkey     _____ Mediterranean Veggie

Registration Policies: No refunds or vouchers will be issued unless we are notified two business days in advance of the program. An administrative fee will be deducted if a refund is required. Substitutes are encouraged. Call Georgia McCauley if you have questions: 336-750-2516 or email mccauleyg@wssu.edu
Please print out registration form and mail form with check (made out to NCSCLS) to:

Pam Horton
7324 Mill Ridge Rd
Raleigh, NC 27613

No charge cards. If you must pay by cash, please indicate this on the registration form, mail (or email) in the form, and pay on site

pbhorton@waketech.edu
fax # 919-250-4329
919-747-0061

NCSCLS Education SA Registration Form
Friday, October 23, 2015
8:30 AM—3:15 PM
Registration due October 17, 2015
Fee includes light breakfast and lunch

_____ NCSCLS Member $15.00       _____ Non-member $20.00

Name/Title:
Institution:
Phone: _________________________ Email: _________________________
AGENDA

8:30 – 9:00  Meet at Winston Salem State University  FL Atkins Building, 439
Registration, distribution of materials, and networking~
Light breakfast fare

9:00 – 11:00  Program Reports
Summarize program statistics and news
Feature Topic: Student LIS/HIS computer access in clinical sites. What policies are followed for student access of clinical site LIS/HIS systems? What impact is phlebotomy department use of PDA’s having on phlebotomy rotations?

11:00 – 12:00  Faculty Recruiting and Retention, Supporting Full time and Adjunct faculty
Open forum discussion: The transition from CLS Lab Hero to CLS Educator challenges. How can we bring in new faculty, guide and support them? What tips can help with their transition and long term success? Bring your ideas and resources!

12:00 – 1:00  Lunch will be provided on site as we network.

1:00 – 3:00  Web-based Tools to Support Problem-Based Learning and Flipped Classrooms
Candice Freeman MLS^{CM}(ASCP)BS^{CM}, CQA(ASQ)
Sandhills Community College MLT Clinical coordinator and Instructor

A certified VoiceThread educator, Candice will lead us in an interactive session on how integrating web-based tools, specifically VoiceThread, Blendspace, and Google Drive, can streamline and enhance CLS instruction.
Session #1: KEYNOTE ADDRESS
Beyond the Laboratory: Connecting test results to outcomes of the institution
Level: Intermediate
Presenter: R. Shane Newby, MBA, MT(ASCP)SC
General Manager, Novant Health Laboratory Services

Overview:
Modern US healthcare continues to evolve. The stringent review of financials and patient outcomes calls for a new use of laboratory resources. Laboratory professionals have a unique window of opportunity to connect laboratory services to the overall value of the organization they serve. Breaking the mindset of the laboratory being a cost center starts with us and flows outward.

Objectives: At the end of the program, the participant will:
1. Determine ways laboratory professionals can be more involved with other service lines in the organization.
2. Connect increased cost in the laboratory to savings in the organization.
3. Parallel quality improvement in the laboratory with the quality improvement in the organization.

Session #2: From Mass Media to Mass Spectrometry: MALDI/TOF in Microbiology
Level: Intermediate
Presenter: Lisa Maness, PhD, MT(ASCP)
Instructor, Clinical Laboratory Science Department, Winston-Salem State University

Overview:
The session will present the methodology of the MALDI/TOF A, benefits of its use in the microbiology laboratory, and hold open discussion on how this may alter the scope of the microbiology laboratory.

Objectives: At the end of the program, the participant will:
1. Explain the methodology of the MALDI/TOF.
2. Discuss the benefits of using the MALDI/TOF over more traditional methods.
3. Visualize the future of Microbiology laboratories.

Session #3: The Basics of Molecular Diagnostics
Level: Intermediate
Presenter: Andy Meixner, PhD, MB(ASCP)

Overview:
Applications of molecular diagnostics in the clinical laboratory focusing on the theory behind molecular assays.

Objectives: At the end of the program, the participant will be able to:
1. List the pertinent molecular assays for a particular need.
2. Understand how molecular assays work
3. List advantages and disadvantages of molecular assays
Session # 4 & 7 (Part I & II) These sessions are consecutive: Phlebotomy
Level: Intermediate

**Presenter:** Shrita Smith, MS, BS, MT(ASCP)⁹⁶
BD Life Sciences

**Overview:**
This presentation is for Phlebotomists, Laboratorians, Nurses and other healthcare professionals responsible for the collection, handling, processing and diagnostic testing of specimens in the clinical laboratory. A basic knowledge of phlebotomy and clinical laboratory science is required. Identification of preanalytical sources of error and their impact on the quality of lab. Tests with a focus on established guidelines, processing, handling and transport.

**Objectives:** *At the end of the program, the participant will:*
1. Recognize the importance of preanalytical variables in specimen collection.
2. Identify the preanalytical phase as the time from test ordering until sample analysis
3. Identify contributing factors in specimen collection, processing/handling and the effect on laboratory testing

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Session #5: General Lab
Level: Intermediate

**Presenter:** Cherie Webber, MT(ASCP)
Molecular Genetics Technologist
LabCorp of America

**Overview:**
Inspection-Readiness: Is your laboratory prepared? Preparing for regulatory inspections should be an ongoing process. Being familiar with regulations and checklists from accreditation agencies will help laboratories avoid the commonly cited deficiencies. I will also review the recent updates to the CAP checklists based on the July 2015 versions for Lab General, the all common checklist, Hematology, Chemistry and Urinalysis.

**Objectives:** *At the end of the program, the participant will be able to:*
1. Prepare a laboratory for successful regulatory inspections
2. Learn how to avoid common deficiencies
3. Familiarity with key regulatory requirements for laboratories

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Session #6: CQI and Lean Management in the Blood Bank—A Bench Perspective
Level: Basic

**Presenter:** Candice L. Freeman, MLS(ASCP)⁹⁶ BB, CQA(ASQ)
Instructor, Sandhills Community College

**Overview:**
This session will outline various tools that can be used to develop, deliver, and engage in continuing education (CE) for the blood banking technologist. Participants will be encouraged to engage in a live simulation of an interactive CE on ABO discrepancy resolution. The simulation will be delivered through the use of android and iOS technologies and related devices.

**Objectives:** *At the end of the program, the participant will be able to:*
1. Identifying online resources that can be used to create and deliver effect continuing education courses.
2. Demonstrate proper and effective engagement in an interactive, online CE course, directly related to transfusion services
3. Create a short, quick online presentation for the purposes of delivering CE in their own blood banks
Session #7: Phlebotomy
Level: Intermediate
Presenter: Shrita Smith, MS, BS, MT(ASCP)
BD Life Sciences
Overview:
This presentation is for Phlebotomists, Laboratorians, Nurses and other healthcare professionals responsible for the collection, handling, processing and diagnostic testing of specimens in the clinical laboratory. A basic knowledge of phlebotomy and clinical laboratory science is required. Identification of preanalytical sources of error and their impact on the quality of lab. Tests with a focus on established guidelines, processing, handling and transport.

Objectives: At the end of the program, the participant will be able to:
1. Recognize the importance of preanalytical variables in specimen collection
2. Identify the preanalytical phase as the time from test ordering until sample analysis
3. Understand and identify contributing factors in specimen collection, processing/handling and the effect on laboratory testing

Session #8: Chemistry
Level: Intermediate
Presenter:
Ellie P. Luethy, MHS, MT(ASCP)
CLS Distance Learning Coordinator
Winston-Salem State University
Overview:
The roles of leptin and ghrelin and other hormones in regulation of appetite will be discussed. Leptin and ghrelin are two hormones that have been recognized to have a major influence on weight loss and weight gain. Many people suffer from obesity and understanding the biochemistry of various hormones and neurotransmitters that influence body mass index have come to the forefront of research and weight loss interventions.

Objectives: At the end of the program, the participant will be able to:
1. Identify the hormones that regulate appetite
2. Describe the role of hormones in weight control
3. Describe regulation of weight control hormones.

Session #9: Hematology
Level: Intermediate
Presenter: Stephanie Cochrane, BS, MLS(ASCP)
Winston-Salem State University
Overview:
The WBC differential and morphology evaluation is essential in confirming the abnormal cell populations of non-malignant and malignant blood cell dyscrasias flagged by hematology analyzers. Wright’s stained peripheral blood smears and case studies will be evaluated

Objectives: At the end of the program, the participant will be able to:
1. Review abnormal white cell dyscrasias
2. Correlate flagged parameters on the CBC report with abnormal WBC morphology.
3. Evaluate case studies for WC abnormalities.
Session #10: Virology
Level: Basic

Presenters:
Mary Alyce McCullough, BS
Wake Forest School of Medicine

Overview:
This session provides an overview of the history, virology, pathophysiology, clinical presentation and disease course of the rabies virus. The global health burden of the virus will be addressed along with descriptions of the current strategies being taken to reduce this cost.

Objectives: At the end of the program, the participant will be able to:
1. Determine knowledge of basic rabies virus virology, including virus structure and pathophysiology.
2. Appreciate the clinical presentation and disease course of rabies.
3. Appreciate the global health burden of rabies and the current actions being taken to lower that cost through vaccines and vector control.

Session #11 ENDNOTE
Level: Intermediate

Presenters:
Norman Crowe, BS, MT, ART

Panelists: Jesse Locklear, BS, MLS(ASCP)CM; Georgia McCauley, PhD, MBA, MT(AMT); Dave McCullough, MT(AMT); Eric Stanford, MBA, MLS(ASCP)CM

Overview:
A presentation of the proposed North Carolina state licensure for laboratory professional followed by a panel discussion on the pros and cons of licensure of laboratory technologists in North Carolina.

Objectives: At the end of the program, the participant will be able to:
1. Discuss NC House Bill 806.
2. Identify how licensure may impact stakeholders personally and professionally.
3. Identify pros and cons of licensure.

Driving Direction to WSSU on the next page!

Hope to see you at Fall Focus 2015—Harvest Your Knowledge!
Driving Directions to WSSU

From the West (Yadkinville) on Business 40 and 421:
From Business I-40E/421S take Exit 6C for WSSU
Take a Left at the light at the end of the exit onto MLK Jr.
Drive. Take next right onto Cromartie St. (F.L. Atkins Building on left). Turn right into parking Lot C.

From the West (Statesville) on I-40:
From I-40E take Exit 193 B onto Hwy 52N toward Mt. Airy
From Hwy 52 N take Exit 108C for Rams Drive
At end of exit ramp take a Left onto Rams Drive (Rams Drive). At light, turn Left onto MLK Jr. Dr.
Turn Left at next light onto Cromartie St. (F.L. Atkins Building on left). Turn right into parking Lot C.

From the East (Kernersville) on Business 40/421:
From Business I-40W/421N take Exit 6C for WSSU
At end of exit 6C take a left at the Stop sign onto 1st street
Take next Left onto MLK Jr. Dr.
Take right onto Cromartie St. (F.L. Atkins Building on left)
Turn right into parking Lot C.

From the East (Greensboro) on I-40:
From I-40W take Exit 193 B for Hwy 52N toward Mt. Airy
From Hwy 52 N take Exit 108C for Rams Drive
At end of exit ramp take a Left onto Rams Drive (Rams Drive). At light, turn Left onto MLK Jr. Dr.
Turn Left at next light onto Cromartie St. (F.L. Atkins Building on the left). Turn right into parking Lot C.

From the North (Mt. Airy) on Hwy 52:
From Hwy 52S take Exit 108C for WSSU
Take a Left at the end of the ramp onto Rams Drive (Rams Drive). Take a Left at Light onto MLK Jr. Dr.
Take a Left at Next Light onto Cromartie St. (F.L. Atkins Building on the left). Turn right into parking Lot C.

From the South (Lexington) on Hwy 52:
From Hwy 52N take Exit 108C for Rams Drive
Turn Left at end of exit ramp onto Rams Drive (Rams Drive)
Turn Left at light onto MLK Jr. Dr.
Turn Left a Next Light onto Cromartie St.
(F.L. Atkins Bldg. on left) Turn right into parking Lot C.