

# 2019 ASCLS-Washington SPRING SEMINAR



**Hotel RL Olympia  
Olympia, WA  
April 25 - 26, 2019**

## 1 Ingredients and Recipes in an Immunohematologist's Cookbook

- LaySee Er, MSTM, SBB(ASCP)<sup>CM</sup>, Bloodworks NW
- Thandar Aye, SBB(ASCP)<sup>CM</sup>, Bloodworks NW

Immunohematologists use a variety of tools and techniques to resolve complex serologic problems that are out-of-scope for transfusion service laboratories. In this program, you will learn about these tools and techniques along with case studies featuring examples of how different techniques were used.

**Sponsor: Bloodworks NW**

## 2 Platelets & Red Blood Cells: Purpose, Pictures plus Problems

- Evelyn Graham, MT(ASCP), Cancer and Hematology Centers of Western Michigan

This presentation takes an in depth look at conditions involving platelets and red blood cells. It reviews the function of platelets, describes their role in the clotting process, and explores conditions triggering platelet activation. It examines various causes of anemia, signs and symptoms of the disease, and treatment options. In addition, case studies will be reviewed highlighting relevant laboratory findings to assist with the diagnosis and management of related conditions.

**Sponsor: Sysmex America**

## 3 It is CLIA-Waived So Nothing Can Go Wrong, Right?

- Norman Moore, PhD, Abbott Rapid Diagnostics

CLIA-waived tests can be done in a variety of settings to help guide therapeutic decisions. However, no test is foolproof. This lecture will cover issues such as proper sample collection, interfering substances, and other issues that can impact these assays.

### Don't Take That Antibiotic! You Might Get. . .Fat? The Science of Healthy Microbiome

Even though the global threat of antibiotic resistant microorganisms is significant, many patients demand antibiotics and doctors are far too willing to provide them. This talk shows that the relationship between us and our bacteria is more important than previously thought. Disrupting that balance can cause a host of medical issues.

**Sponsor: Abbott Rapid Diagnostics**

## 4 Paradigm Shift in Allergy Medicine

- Monet N. Sayegh, MD, MHS, BS, MT(ASCP)SH, CLS, Siemens Healthineers Diagnostics

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. Allergy is the sixth leading cause of chronic disease in the US and costs to the healthcare system total \$18 billion per year. 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.

### Clinical and Diagnostic Testing of Patients with Cardio-renal Syndrome

The layout of this talk begins with an explanation of the concept of the Cardio-renal syndrome. Rather than calling it a disease, it is named a syndrome, because several at the time unrelated symptoms tend to cluster together. Whereas a disease has a clean and clear explanation of pathophysiology. The understanding of this syndrome is seemingly quite complex. We will look at how we define it, what types there are, and what is known about the underlying pathophysiology. We will review the current guidelines by the American Diabetes association and the Kidney Foundation and review case studies that can help us pull this information together with real-life applications of these recommended guidelines within real-life patients.

**Sponsor: Siemens Healthineers**

**5**

### **Quality System Essentials**

- Sean Carl, MS, Bloodworks Northwest
- Denise Kirby, LSSGB, Bloodworks Northwest

This presentation is for new lab professionals who want to gain a better understanding of quality system essentials. Focused topics will include procedure writing, components of a document control system, form design, error management, inspection preparedness, and training and competency programs. This high level review of critical elements associated with the focused topics is designed to improve understanding of needed elements to improve compliance in regulated environments.

**Sponsor: Bloodworks NW**

**6**

### **Best Practices in Coagulation**

- Katherine (Katy) Whelchel MT(ASCP)SH, Diagnostica Stago

We all strive to practice good laboratory medicine. Coagulation is different from Chemistry; we are dealing with complex chemical reactions even when performing a simple Prothrombin Time. This session will explore how we can be assured our coagulation testing is the best we can offer.

#### **Anticoagulation: Now and in the Future**

Anticoagulation: Now and in the Future - Anticoagulation is a rapidly changing field. However, the traditional anticoagulants are not going away. This session will discuss both traditional anticoagulation (Coumadin, heparin), plus the newer Direct Oral Anticoagulants. We will also discuss how the DOACs impact us in the routine coagulation lab.

**Sponsor: Diagnostica Stago**

**7**

### **The Current Status of Influenza Testing**

- Norman Moore, PhD, Abbott Rapid Diagnostics

Influenza outbreaks happen yearly. The variety of strains makes predicting the severity of the season or the efficacy of the vaccine difficult. Early diagnosis can help differentiate influenza from pneumonia so appropriate therapy can be given.

#### **The Current Status of *C. difficile* Testing**

*Clostridioides difficile* may cause anything from asymptomatic colonization to significant diarrhea to pseudomembranous colitis. It is quite often acquired in healthcare environments when patients are put on antibiotics that subsequently disrupt the intestinal microflora. This lecture covers the latest guidelines and data on diagnostic methodologies.

**Sponsor: Abbott Rapid Diagnostics**

**8**

### **Multiplex Molecular Diagnostics for Infectious Disease: How We Got Here and Where We Are**

- Adam Thornberg, MHS, BS, GenMark Diagnostics Inc.

Molecular biology is becoming more commonplace in infectious disease diagnostics. This presentation will specifically focus on the use of multiplex molecular testing for the diagnosis of bloodstream, respiratory, and gastrointestinal infections. The session will provide a brief overview of the infectious disease states and some clinical considerations for how this type of testing can benefit the laboratory, the physician and the patient.

**Sponsor: GenMark Diagnostics Inc.**

**9 Beta-Hydroxybutyrate Testing in the Diabetic Patient**

— Tina Batsch MT (ASCP), Newport Hospital and Health Services

One of the major consequences of diabetes is the development of hyperglycemia with ketoacidosis and diabetic coma. This session will take an in depth look at the physiology and biochemistry of the insulin dependent diabetic. Management of the disease will be discussed including proper insulin regulation, diet, and exercise. The role of laboratory beta hydroxybutyrate testing during the ketoacidosis state will be presented.

**Sponsor: Newport Hospital and Health Services**

**10 Overcoming Challenges in the Pre-analytical Phase of POC Testing**

— J.Michael O’Bryan, M.D., MHA, Sarstedt, Inc.

While shifting some diagnostic testing processes out of the core lab can yield rapid results and quicker treatment decisions, common pre-analytical errors with point-of-care tests create unwanted expense and waste. In this case study, the implementation of a new streamlined POC dosing solution shortened patient turnaround time, reduced cartridge rejection, and improved patient blood management with direct laboratory confirmation sampling.

**Sponsor: Sarstedt, Inc.**

**11 Digital Cell Morphology for Standardizing Advanced RBC Morphology and Competency Software for Quality with Relevant Case Studies**

— Scott Dunbar, MS, BS, CellaVision

In the session there will be a discussion about a software tool which will standardize all sub-types of RBC morphology using digital Cell Morphology. The observer will see how standardizing can bring consistency to a very subjective area of the laboratory. The speaker will also demonstrate proficiency software, a valuable training tool for new techs as well as annual competency. Finally a live software demonstration with esoteric case studies will be presented.

**Sponsor: CellaVision**

**Moving Hematology Forward**

— Kathy A Davidson Altig, BS,MT(ASCP), Beckman Coulter Hematology

Hematology is no longer just counting cells. This session will help you understand what other information our automated hematology instruments can provide for us. We will be looking at the history of Hematology, Hematology technology, and identify where future of Hematology is going.

**Sponsor: Beckman Coulter**

**12 Calibration Verification, The Whole Story: Definitions, Protocol, Data Interpretation, and Troubleshooting**

— Glenn Mitchell, BS, AUDIT MicroControls, Inc

This presentation takes a deep dive into Calibration Verification. We will review various definitions and discuss the who, what, when, where, why, and how of calibration verification. We will also discuss how to interpret data (did I pass or fail and what does it all mean?) using various charts and graphs. The final part of the presentation will review troubleshooting protocol in the event calibration verification fails. Fun and Prizes!

**Sponsor: AUDIT MicroControls, Inc**

**Practical Approaches To Installation/Validation Of New Laboratory Tests**

— Jessica Wilson, BSc, Response Biomedical Corp.

This session will cover common procedures used for installation/validation of new laboratory tests, including precision and method comparisons. Practical approaches to study design, including tips on troubleshooting common problems will be discussed. Real-world examples will be used to illustrate different approaches to data analysis, including regression analysis and clinical concordance.

**Sponsor: Response Biomedical Corp.**

### 13 Surviving Instrument Downtime

— Tina J Batsch, MT (ASCP), Newport Hospital and Health Services

If you have ever worked in a lab, then chances are you have experienced instrument downtime. This session will begin with an example of a worse case scenario result of an instrument being down. Next, back up and work around procedures will be discussed. Finally, a look at the aftermath and how instrument downtime effects the areas of billing and coding, result reporting, and the impact it had on the budget.

### Restructuring of Workflow in the Lab in Today's Tech Shortage Workforce

Are you spending too much money on contracted temporary staff or running into too much overtime and not enough help? This session points out some options that can help reorganize the workload. We will look at job codes as well as look at waived, moderate-complexity, or high-complexity tests. Finally a look at what to consider if contracted staff is used for staffing

### Millennials In Today's Workforce

By 2030 it is predicted that 75% of the workforce will be comprised of Millennials! This session will define what the Millennial generation is and the impact it has in today's workforce. Time will be spent defining characteristics of other generations and how a team can work together in a busy lab.

**Sponsor: Newport Hospital and Health Services**

### 14 So You Think You Know Microbiology?

— Siu Kei (Jacky) Chow, PhD, D(ABMM), MultiCare Health System

The clinical microbiology field is evolving at a rapid pace. The advancement of knowledge and technology has promoted efficient clinical practice as well as accurate, rapid diagnoses of emerging infectious diseases. The speaker will provide an overview of the latest technologies and practices for the clinical microbiology laboratory. Additionally, recent highlights from the literature on laboratory function, epidemiology and clinical practice will be reviewed.

**Sponnsor: North Puget Sound Society for Clinical Lab Science**

### 15 Are You Current with Your GP41 CLSI Phlebotomy Standards?

— Erika Ferreri, MAED, BSBM, CPT, CPI, Edmonds Community College

The speaker will present the new CLSI standards and how they are different from the former CLSI standards. The last 1.5 hours are reserved as a interactive Q&A session with phlebotomy equipment.

### Student Poster Session

There will be a student poster session at this year's ASCLS-WA Spring Seminar. Check the website for more information about the poster topics.



# Registration General Information

## To Register by Mail:

Complete the registration form and mail the registration form with a check payable to

### Spring Seminar to:

2019 ASCLS-WA Spring Seminar  
Brenda Kochis  
44 West 26th Avenue  
Spokane, WA 99203-1818

If questions:

Contact: [BrenKoch@comcast.net](mailto:BrenKoch@comcast.net) (email contact is preferred)

Phone: 509-939-8445 (leave message) Call before 8 pm please.

- » **Registration mail by date: April 10, 2019.** This assures that your form will be delivered in time for us to provide you with the handout access information. This is not a deadline date; registration remains open throughout the seminar.

## To Register Online:

Go to [www.asclswa.org](http://www.asclswa.org) and click on the Spring Seminar tab. Click on "Online Registration" to go to the online form. Credit cards can be used to pay for registration.

- » Registrants using the online form must have a completed registration submitted by April 22, 2019 to receive lunch if eligible.

- **Lunch** is provided for those who register for two sessions on the same day. Lunch is not provided for those who register for one session a day or for those who register on site.
- **Handouts** for sessions will only be available online. Registrants will be sent the web address, username, and password to access the handouts. Please print your email address clearly.
- **Sessions** are approved for P.A.C.E.® credits.
- **Hotel reservations:** See the website for more detailed information. Please call the hotel for reservations. Mention "ASCLS-WA Spring Seminar" to get the seminar rates.
- **Rates** will be available until April 3, 2019 after which it will revert to standard hotel rates.
- **No "Spring Seminar" Registration refunds** will be issued.

**Fees are by session.** Sessions are 3 hours (half day). Please register for the membership category that you qualify for. More information about fee categories are on the website at [www.asclswa.org](http://www.asclswa.org) tab: Spring Seminar.

## Hotel RL Olympia

2300 Evergreen Park Drive,

Olympia, WA 98502

Phone: 855-213-0582

General Information hotel website:

<https://www.hotelsone.com/olympia-hotels-us/hotel-rl-olympia.html>

**Rates:** Standard Single

\$128.00 per night plus state and local tax

Please mention that you are with 2019 ASCLS-WA Spring Seminar to obtain these rates. Rates are held until April 3, 2019, after which room rates are at the discretion of the hotel.

An [online link for hotel reservations](#) is also shown on the hotel webpage at

<http://www.asclswa.org/SpringSemHotel.html>

# Registration Form

## 2019 ASCLS-WA Spring Seminar

April 25 - 26, 2019  
Hotel RL Olympia  
Olympia, WA

**Online registration and credit card payment is available at [www.asclswa.org](http://www.asclswa.org), Spring Seminar Link or mail this form with a check.**

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_

Institution \_\_\_\_\_

City/State \_\_\_\_\_

Email Address \_\_\_\_\_

Are you willing to serve as a session moderator?  Yes  No

**Circle the sessions you will be attending.**

Thursday, April 25	AM	1	2	3	4
	PM	5	6	7	8
Friday, April 26	AM	9	10	11	12
	PM	13	14	15	

Category	# Sessions	Fee/session	Total Fee
<b>ASCLS/AMT Professional/Technical</b> .....		\$45.00	\$
ASCLS # _____ AMT # _____			
<b>Special Member</b> .....		\$60.00	\$
___AABB ___AACC ___ASC ___ASCT ___CLMA ___ASM ___ASH ___ASCP Member number _____			
<b>Non-Member</b> .....		\$80.00	\$
<b>Phlebotomist</b> .....		\$35.00	\$
<b>Student</b> .....		\$25.00	\$
<b>Total Fee</b> .....			\$

Mail with check to  
**2019 ASCLS-WA Spring Seminar**  
**Brenda Kochis**  
**44 West 26th Avenue**  
**Spokane, WA 99203-1818**

Make check payable to **Spring Seminar**. Full payment in U.S. Dollars must accompany each mailed in registration. Mail the registration form by April 10, 2019 to ensure timely arrival.

2019 ASCLS-WA Spring Seminar  
Brenda Kochis  
44 West 26th Avenue  
Spokane, WA 99203-1818

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The full 2019 Spring Seminar Program and registration form are available on the Internet at the following URL

**[www.asclswa.org](http://www.asclswa.org)**

An online form, updates and other information are on this site.

### **Student Poster Session**

There will be a student poster session at this year's ASCLS-WA Spring Seminar. Check the website for more information about the poster topics.



### ***Plan to Attend***

***2019 Northwest Medical Laboratory Symposium  
Lynnwood Convention Center  
Lynnwood, WA  
October 9 - 12, 2019***

***Watch the website for more information.  
[www.asclswa.org](http://www.asclswa.org)***