

# 2022 NWMLS



Vendor Presentations

Educational Sessions

Chat with Attendees

## **2022 Virtual Northwest Medical Lab Symposium**

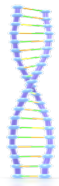
**October 12 - 14, 2022**

# 2022 NORTHWEST MEDICAL LAB SYMPOSIUM VIRTUAL MEETING

## Program Grid

Time	Wednesday, Oct 12	Thursday, Oct 13	Friday, Oct 14
8:00 - 9:00 am	<b>Diagnosing Specimen Collection Issues: Identifying Specimen Collection Issues and Learning How to Prevent Them</b>	<b>The Next Generation in Diagnostics: High Sensitivity Without High Complexity</b>	<b>The Trouble with Viruses and Molecular Diagnostics!</b>
9:30 - 10:30 am	<i>Industry Partner Presentations</i> AUDIT MicroControls Beckman Coulter Sysmex America	<b>SeptiCyte RAPID For Early Diagnosis of Sepsis</b>	<b>Rare Diseases: Working with Zebras in a World of Horses</b>
11:00 am - 12:00 pm	<b>HLA and the Journey of Solid Organ Transplantation</b>	<i>Industry Partner Presentations</i> Immunexpress Accelerate Diagnostics Electronic Lab Logs Secure Transfusion Solutions (STS)	<b>Advantages of Using Ion Exchange High Performance Liquid Chromatography (IE-HPLC) for A1c Testing</b>
12:00 - 1:00 pm	<b>Break</b>	<b>Break</b>	<b>Break</b>
1:00 - 2:00 pm	<b>NTproBNP - Past, Present and Future</b>	<b>The Role of Procalcitonin in the Management of Sepsis</b>	<b>First Do No Harm - Applying Ethical Standards in the Clinical Lab</b>
2:30 - 3:30 pm	<b>Clinical Laboratory Improvement Amendment (CLIA)</b>  <b>CLIA Personnel Regulations for High Complexity Testing Laboratories</b>	<b>Engaging Your Team From Good To Great!</b>	<i>Industry Partner Presentations</i> Qidel Cepheid Binding Site
4:00 - 5:00 pm	<b>Digital Cell Morphology, A Solution to Hematology Workflow</b>	<b>Soft Skills for Success at the Workplace and Beyond!</b>	<b>The Silent Burden of Congenital CMV Infections in the US</b>

*Presented by the Washington and Oregon  
ASCLS and AMT Societies*



# 2022 NORTHWEST MEDICAL LAB SYMPOSIUM VIRTUAL MEETING WEDNESDAY, OCTOBER 12, 2022

8:00 - 9:00 AM Session 1 1 Contact Hour

## Diagnosing Specimen Collection Issues: Identifying Specimen Collection Issues and Learning How to Prevent Them

- **Ken Curtis, BS, PBT (ASCP)**

ARUP Laboratories | Layton, UT

Accurate specimen collection is the first step toward accurate laboratory testing. In this session we will discuss common types of specimen collection errors seen in hospitals. We will also discuss ways to identify these errors and ways your laboratory can work to help prevent them.

- ⇒ Identify common types of specimen collection issues.
- ⇒ Identify ways to categorize and track specimen collection issues.
- ⇒ Identify ways to prevent specimen collection issues from occurring again.

*Sponsor: ARUP*

### Industry Partner Presentations

9:30 - 10:30 am

Each company will give a presentation about their current products or services.

**AUDIT MicroControls, Inc.**

**Beckman Coulter**

**Sysmex America**

11:00 am - 12:00 pm Session 2 1 Contact Hour

## HLA and the Journey of Solid Organ Transplantation

- **Idoia Gimferrer, MD, PhD, F(ACHI)**

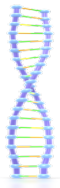
Bloodworks NW | Seattle, WA

Basic presentation of the HLA system and its central role in the immune system and the solid organ transplantation (SOT) process. We will examine the role of the HLA Lab and the process of solid organ transplantation.

- ⇒ Describe the role of the HLA lab in solid organ transplantation (SOT).
- ⇒ Outline the SOT Process in the U.S.

*Sponsor: Bloodworks NW*





# 2022 NORTHWEST MEDICAL LAB SYMPOSIUM VIRTUAL MEETING SESSIONS | WEDNESDAY, OCTOBER 12, 2022

1:00 - 2:00 PM Session 3 1 Contact Hour

## NTproBNP - Past, Present and Future

### - Alexander Fohl, PharmD

Roche Diagnostics | Indianapolis, IN

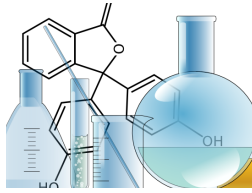
Studies continue to demonstrate the interdependence of heart failure and diabetes. This presentation will be a discussion of the use of NTproBNP and how it has impacted the treatment and monitoring of heart failure and potential future use in Type 2 Diabetes.

- ⇒ Explain the benefit of NTproBNP.
- ⇒ Describe the use of NTproBNP in heart failure management.
- ⇒ Discuss the future utility of NTproBNP with Type 2 Diabetes.

---

*Sponsor: Roche Diagnostics*

---



2:30 - 3:30 PM Session 4 1 Contact Hour

## Clinical Laboratory Improvement Amendment (CLIA)

### CLIA Personnel Regulations for High Complexity Testing Laboratories

#### - Eric V. Espinosa, BSCE, BS, MT(ASCP)

OSPHL/ OHA/ Laboratory Compliance | Hillsboro, OR

The session will describe a brief overview of the CLIA program. We will discuss in detail what are the Laboratory Director's responsibilities. We will also discuss in detail the educational requirement and training needed to perform high complexity test.

- ⇒ Describe the importance of CLIA.
- ⇒ Identify what educational requirements and training a testing personnel needs to have to be able to perform high complexity testing.

---

*Sponsor: Oregon Health Authority*

---

4:00 - 5:00 pm Session 5 1 Contact Hour

## Digital Cell Morphology, A Solution to Hematology Workflow with Esoteric Case Studies

### - Scott Dunbar, BS, MS

CellaVision Louisville, CO

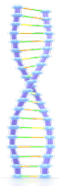
This session will illustrate how digital cell imaging software and hardware can standardize the most subjective area of the clinical laboratory. This technology employs artificial intelligence and deep learning to help improve turn-around time and consistency on the manual differential bench in hematology. This session will demonstrate how remote review software can improve pathology reviews from anywhere. Finally, rare case studies will be presented to demonstrate this technology further. Most of these case studies are very educational and great for the medical technology student and seasoned veteran.

- ⇒ Describe how artificial intelligence and neural networks can standardize the manual differential in hematology.
- ⇒ Discuss how remote review software can improve turnaround times for pathology reviews and geographically challenged laboratories.
- ⇒ Witness rare and esoteric case studies.

---

*Sponsor: CellaVision*

---



# 2022 NORTHWEST MEDICAL LAB SYMPOSIUM VIRTUAL MEETING SESSIONS | THURSDAY, OCTOBER 13, 2022

8:00 - 9:00 AM Session 6 1 Contact Hour

## The Next Generation in Diagnostics: High Sensitivity Without High Complexity

- **Brian DuChateau, PhD, D(ABMLI)**  
LumiraDx

The COVID-19 pandemic has brought the need for rapid, accurate diagnostic testing to the forefront of Medicine. Join Dr. Brian DuChateau, Vice President of US Clinical and Scientific Affairs for LumiraDx, as he discusses performance of a next generation microfluidic platform that is bringing lab-comparable performance to the point of care. Learn how this novel approach to diagnostics can provide ease-of-use and results in minutes, without compromising sensitivity.

- ⇒ Describe the performance of the LumiraDx SARS-CoV-2 antigen test compared to RT-PCR.
- ⇒ Discuss how Rapid Microfluidic Immunofluorescence technology works to facilitate high sensitivity.
- ⇒ Outline how microfluidic technology can help consolidate near-patient testing on a single platform.

*Sponsor: LumiraDx*

9:30 - 10:30 AM Session 7 1 Contact Hour

## SeptiCyte RAPID For Early Diagnosis of Sepsis

- **Roy Davis PhD. MD. MHA.**  
Immunexpress | Seattle, WA

Discuss the difficulty associated with the diagnosis of sepsis and describe the role of a host response gene expression test, SeptiCyte RAPID, in diagnosing sepsis. We will discuss the tests clinical validation, its sensitivity and specificity and alignment with the new Surviving Sepsis Campaign's sepsis management guidelines.



- ⇒ Describe the role of a host response gene expression test in the diagnosis of sepsis.
- ⇒ Describe the simplicity of a cartridge based RT-PCR test for sepsis diagnosis compared to the detection of the pathogen.
- ⇒ Outline the impact of a 1 hour turnaround test in the appropriate and early management of sepsis.

*Sponsor: Immunexpress*

### Industry Partner Presentations

11:00 am - 12:00 pm

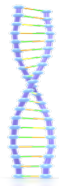
Each company will give a presentation about their current products or services.

**Immunexpress**

**Accelerate Diagnostics**

**Electronic Lab Logs**

**Secure Transfusion Solutions (STS)**



# 2022 NORTHWEST MEDICAL LAB SYMPOSIUM VIRTUAL MEETING SESSIONS | THURSDAY, OCTOBER 13, 2022

1:00 - 2:00 PM Session 8 1.Contact Hour

## The Role of Procalcitonin in the Management of Sepsis

- **Melanie Pollan, PhD, MT(ASCP)**  
Siemens Healthineers | Tarrytown, NY

The value of measuring procalcitonin levels is expanding. Though generally considered a nonspecific biomarker, knowing procalcitonin levels early in a patient's presentation can provide valuable information to help guide assessment and treatment. It can be particularly useful in ICU and ED settings where the presentation of symptoms may be inconclusive while diseases progress rapidly with severe pathology. Procalcitonin testing can open a critical window for early intervention when treatment is most likely to be successful.

This seminar provides a framework for understanding procalcitonin and the role it can play as a prognostic indicator of morbidity and mortality.

- ⇒ Describe the role of procalcitonin as a prognostic indicator for morbidity and mortality.
- ⇒ Identify disease states where procalcitonin testing can add significant clinical value.
- ⇒ Outline the differences between the systemic inflammatory response (SIR) and sepsis, severe sepsis and septic shock.
- ⇒ Describe the urgency associated with assessing procalcitonin levels.

*Sponsor: Siemens Healthineers*



2:30 - 3:30 PM Session 9 1 Contact Hour

## Engaging Your Team From Good To Great!

- **Josie Foranoco BS, MT (ASCP)**  
AdventHealth Altamonte Springs |  
Altamonte Springs, FL

Employee engagement is the key to maintaining a workforce that provides quality laboratory results in an environment where morale is high & patient safety comes first. Employee engagement also focuses on your best employees.

Employee engagement doesn't just happen. It takes some work & tools. Hopefully in this workshop, you will learn some tools that may not seem like work.

- ⇒ Recognize the benefits in maintaining an engaged workforce.
- ⇒ Identify properties of an engaged workforce.
- ⇒ Develop action plan to improve employee engagement.

4:00 - 5:00 PM Session 10 1 Contact Hour

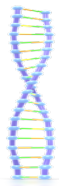
## Soft Skills for Success at the Workplace and Beyond!

- **Sujanalatha De Almeida, RMA (AMT), RPT (AMT), AHI (AMT), CPT1**  
College of Sequoias | Visalia, CA

In today's workplace there is a soft skills gap when there are many managers but no true leaders. What are soft skills? They are non-technical skills that encourage productivity, efficiency and effective communication in the workplace.

While your technical skills will get you in the door, it is your interpersonal skills that will open the majority of the doors. If you want to be successful in your workplace, this session is for you!

- ⇒ Differentiate between hard skills and soft skills.
- ⇒ Recognize the elements of soft skills and their necessities to succeed in the workplace.
- ⇒ Apply the soft skills learned in your workplace and beyond.



# 2022 NORTHWEST MEDICAL LAB SYMPOSIUM VIRTUAL MEETING SESSIONS | FRIDAY, OCTOBER 14, 2022

8:00 - 9:00 AM Session 11 1 Contact Hour

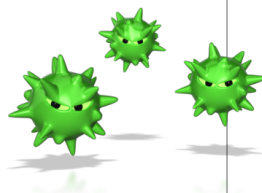
## The Trouble with Viruses and Molecular Diagnostics!

- Pat Tille, PhD, MLS(ASCP), AHI(AMT)  
FACSc

University of Cincinnati | Sioux Falls, SD

This session will discuss some of the major viral diseases and the diagnostic techniques used in clinical practice as well as why and when the methods are not clinically relevant. The molecular design for viral assays will be discussed along with quality control and challenges with standardization.

- ⇒ Differentiate the clinical utility for amplified and non-amplified assays for viral agents.
- ⇒ Examine the clinical utility of how molecular diagnostics is used in clinical practice for diagnosis, treatment and monitoring of viruses that cause human disease.
- ⇒ Discuss challenges in standardization of molecular assays for use in a clinical virology laboratory.



9:30 - 10:30 AM Session 12 1 Contact Hour

## Rare Diseases: Working with Zebras in a World of Horses

- Jennifer Kroger, MS Ed, CMA (AAMA)

University of Cincinnati Blue Ash College  
Cincinnati, OH

Medical professionals are trained to look for horses (common conditions) and not zebras (rare diseases). This delays diagnosis, treatment and negatively affects the quality of life for those living with a rare disease. This session will review the basics of rare disease criteria, advances in diagnosing rare diseases, and how to locate and utilize resources for health professionals working with patients that have or are suspected of having a rare disease.

- ⇒ Define rare disease and provide examples of rare diseases.
- ⇒ Identify the importance of a timely diagnosis of rare diseases in relation to positive patient outcomes.
- ⇒ Identify resources related to rare diseases in order to support patients that have been diagnosed with a rare disease.

11:00 am - 12:00 pm Session 13 1 Contact Hour

## Advantages of Using Ion Exchange High Performance Liquid Chromatography (IE-HPLC) for A1c Testing

- Priya Sivaraman, PhD

Tosoh Bioscience Inc. | South San Francisco, CA

Diabetes is one of the most prevalent diseases in the US and in the world. Hemoglobin A1c is a great marker for testing and diagnosis of Diabetes. There are several methods used today to test A1c. This session will look at the advantages of using ion exchange HPLC over other methods.

- ⇒ Explain what is ion exchange chromatography and why is it beneficial for a laboratory to consider the method.

*Sponsor: Tosoh Bioscience Inc.*



# 2022 NORTHWEST MEDICAL LAB SYMPOSIUM VIRTUAL MEETING SESSIONS | FRIDAY, OCTOBER 14, 2022

1:00 - 2:00 PM Session 14 1 Contact Hour

## First Do No Harm - Applying Ethical Standards in the Clinical Lab

- **Beth Warning, MS, MLS (ASCP)cm, AMI (AMT)**

University of Cincinnati | Independence, KY

Ethical principles such as justice, equity, and autonomy will be reviewed with examples of ethical dilemmas that may be encountered everyday in the clinical lab.

- ⇒ Recognize the basic tenets of healthcare ethics.
- ⇒ Discuss the ethical decision making process.
- ⇒ Identify ethical situations that occur in the laboratory.



4:00 - 5:00 pm Session 15 1 Contact Hour

## The Silent Burden of Congenital CMV Infections in the US

- **Sarah Elliott, PhD**

DiaSorin Molecular & Luminex

Cytomegalovirus (CMV) is one of the most common human herpesviruses, infecting nearly half of the adult population in the US. Vertical transmission can occur during pregnancy, and congenital CMV infections affect more children each year than all of the common conditions tested for during newborn screening combined. Congenital CMV infection is estimated to occur in 1 out of every 200 births in the US and is the leading cause of non-genetic sensorineural hearing loss and neurodevelopmental abnormalities in infants, and yet public awareness remains low. Though most infants born with congenital CMV infection will appear healthy at birth, about 10% will present with a range of symptoms and complications at birth, and many more will experience delayed onset of sequelae. Early detection of congenital CMV infection is critical for timely clinical intervention, including treatment with antiviral medications, which may lessen the severity of the hearing and developmental impairments associated with this infection.

This seminar will shed light on the prevalence, epidemiology, and clinical presentation associated with congenital CMV infections, as well as currently recommended test methods for diagnosis.

- ⇒ Describe the common features of human herpesviruses and the microbiology background of CMV.
- ⇒ Summarize the prevalence, transmission, disease manifestations, and treatment options of congenital CMV infections.
- ⇒ Identify the current clinical guidelines and laboratory methods used to diagnose congenital CMV infections.

### Company Presentations

2:30 - 3:30 pm

Each company will give a presentation about their current products or services.

**Quidel**

**Cepheid**

**Binding Site**

*Sponsor: DiaSorin Molecular & Luminex*



# Registration Form

2022 Northwest Medical Lab Symposium  
October 12 - 14, 2022  
Virtual Meeting

Online registration and credit card payment is available at  
<http://www.asclswa.org/NWMLS.html>  
or  
For mail registration send this form with a check payable to  
Northwest Medical Laboratory Symposium.

First Name \_\_\_\_\_ Last Name \_\_\_\_\_  
Address \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Institution \_\_\_\_\_  
City/State \_\_\_\_\_  
Email Address \_\_\_\_\_

Category		Fee	Total Fee
<b>ASCLS/AMT Professional/Technical</b> .....		\$60.00	\$
ASCLS #	AMT #		
<b>Non-Member</b> .....		\$80.00	\$
<b>Phlebotomist / RMA</b> .....		\$30.00	\$
<b>Student</b> .....		\$10.00	
<b>Total Fee</b> .....			\$

**Your fee covers all three days of the Northwest  
Medical Lab Symposium.**

**The live sessions will be recorded and available to  
registered attendees for 30 days after the meeting.**

## To Register by Mail:

Complete the registration form and mail the registration form and check payable to  
**Northwest Medical Laboratory Symposium** to:

2022 Northwest Medical Lab Symposium  
Brenda Kochis  
44 West 26th Avenue  
Spokane, WA 99203-1818

If questions, contact Brenda Kochis:

Email (preferred): [ASCLSBren@comcast.net](mailto:ASCLSBren@comcast.net)

Phone (before 7 pm): 509-939-8445 (leave message).

## To Register Online:

Go to <http://www.asclswa.org/NWMLS.html> Click on "Online Registration" to go to the  
online form. Credit cards can be used to pay for registration.

## Registration Deadline: **October 7, 2022**

This deadline is to allow us to provide the information for access to the Virtual NWMLS. Registrations are  
still accepted after this date.