



## 2025 Experience in Blood Banking Advanced

August 26, 2025, 1-4:30 pm

2.5 Contact Hours

### Welcome



**Transfusion of Whole Blood**, Johnny Ye, MD, PhD, Transfusion Service Section Director/The University of Kansas Health System; Medical Director, NYBCe at CBC

#### Objectives

1. Describe the main characteristics of current whole blood units.
2. Explain the current clinical practice of whole blood transfusion.
3. Discuss the benefits and limitations of whole blood transfusion.

#### Level of Instruction

Intermediate



**Ensuring Blood Safety: Infectious Disease Testing for Blood Collections**, Mark Janzen, PhD, Vice President of Clinical Laboratory Services, NYBCe

#### Objectives

1. Identify the pathogens we test for in blood collected in the U.S.
2. Distinguish between screening, confirmatory, sensitivity, and specificity.
3. Discuss updates on FDA Guidances on Hepatitis B Surface Antigen testing and reducing the risk of transfusion transmitted malaria.

#### Level of Instruction

Intermediate



**Introduction to Blood Group Genotyping**, Brad Pfaltzgraff, MS, MLS(ASCP)<sup>CM</sup>, MB(ASCP)<sup>CM</sup>, Supervisor, Genomics Laboratory, NYBCe at the National Center for Blood Group Genomics

#### Objectives

1. Discuss how the analysis of blood group genes can predict the expression of red blood cell antigens.
2. Describe methods used in blood group genotyping.
3. List benefits and limitations of blood group genotyping.

#### Level of Instruction

Intermediate



### Critical Mission of CBC

**Dawn Eblen, Business Development Manager, Blood Operations**

### Break





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***RH* Genotyping: Who, What, Where, When, Why?** Lynsi Rahorst, MHPE, MLS(ASCP)SBB<sup>CM</sup>, Manager, Education & Training, IRL/Genomics, NYBCe

### Objectives

1. Describe the RhD and RhCE proteins and the gens that encode them.
2. Describe how variant *RH* alleles encode altered Rh proteins, and how that might affect antigen expression.
3. Discuss different applications of *RH* genotyping.

### Level of Instruction

Advanced

### Ask the CBC Panel

### Optional Tour of Community Blood Center

### P.A.C.E. CE credit:

- Attendees who attended today's entire session will receive an email with a link to the course evaluation.
- Upon submission of the evaluation, your certificate will be emailed to you.

Scan QR code  
to participate in  
polling during  
the session

