The target audience for this meeting includes: Physicians, Laboratory Directors, Scientists and Educators primarily engaged in teaching, research and service in academic medicine.

The learning objectives for this meeting are as follows:

- Understand how genomic technologies are used in the diagnosis of rare diseases and in transfusion medicine
- Describe new diagnostic testing methodologies von Willebrand disease and neonatal alloimmune thrombocytopenia
- Discuss new understanding of the pathophysiology of transfusion related acute lung injury
- Understand new diagnostic techniques for hemophilia and other blood coagulation disorders
- Describe the use of mass spectroscopy in the diagnosis of infectious disease
- Understand vitamin D metabolism
- Define how new discoveries about iron metabolism have changed a diagnosis of disease across many areas of laboratory medicine

**Thursday, May 31**

10:00am – 6:00pm  **Registration**

**Session 1: Genomics**

1:00 – 1:25 pm  Clinical Application of Whole Genome Sequencing in a Children's Hospital  
*David Dimmock MD*  
Medical College of Wisconsin

1:25 – 1:50 pm  Red Cell Genotyping Blood Donors  
*Greg Denomme PhD*  
BloodCenter of Wisconsin

1:50 – 2:15 pm  Red Cell Genotyping Patients – The Clinician’s Perspective  
*Rowena Punzalan MD*  
BloodCenter of Wisconsin

2:15 – 2:40 pm  Training Residents in Genomics  
*Richard Haspel MD, PhD*  
Harvard University
2:40 – 2:55 pm  Clinical Chemistry Training Council  
*Ann Gronowski PhD*  
Washington University in St. Louis

2:55 – 3:20 pm  Coffee Break

**Session 2: Recent Advances in the Diagnosis of Bleeding Disorders**

3:20 – 3:45pm  Fidelity of VWD testing  
*R. Montgomery, MD*  
BloodCenter of Wisconsin

3:45 – 4:10pm  Reduced von Willebrand Factor survival in Types 1 and 2 von Willebrand Disease  
*S. Haberichter, PhD*  
BloodCenter of Wisconsin

4:10 – 4:35pm  New approaches to detection of antibodies causing Neonatal Alloimmune Thrombocytopenia  
*J. Peterson, PhD*  
BloodCenter of Wisconsin

4:35 – 5:00pm  Diagnosis and management of Neonatal Alloimmune Thrombocytopenia  
*J. McFarland, MD*  
BloodCenter of Wisconsin

5:00 – 7:00pm  Executive Council Meeting

7:00 – 9:00pm  Welcome Reception  
Grohmann Museum

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**Friday, June 1**

7:30 – 8:30am  Breakfast  
Top of the Hyatt

**Session 3: Young Investigator Presentations**

8:30 – 10:00am  5 simultaneous breakout sessions

10:00 – 10:30am  Coffee Break

**Session 3: Young Investigator Presentations (continued)**

10:30 – 11:45am  5 simultaneous breakout sessions

12:00 – 1:00pm  Lunch
Session 4: Plenary Session

1:00 – 1:45pm  Cotlove Award Lecture
Drug-induced immune thrombocytopenia: New observations concerning pathogenesis and diagnosis
Richard Aster, MD
BloodCenter of Wisconsin

1:45 – 2:15pm  Hemophilia in the Royal Family
Evgeny Rogaev, PhD, DrSci
University of Massachusetts

Poster Viewing and Networking Session

2:15 – 3:30pm  (Refreshments Served)

Session 5: Breakout Basic Science and Clinical Correlation Sessions

3:30 – 4:30pm  Coagulation Cascade and Case Conference
David Gailani, MD, Vanderbilt University
Ken Friedman, MD, BloodCenter of Wisconsin
Ellinor Peerschke, PhD Sloan Kettering

Microbiology MALDI-TOF and Case Conference
Robin Patel, MD, Mayo Clinic
Barbara Haller, MD, PhD, UCSF
Nathan Ledeboer, PhD, Medical College of Wisconsin

Vitamin D: Laboratory and Clinical Controversies
Donald A. Wiebe, PhD, University of Wisconsin
Neil C. Binkley, MD, University of Wisconsin

5:00 – 6:00pm  Tour of BCW Diagnostic Laboratories (optional)
Buses will Depart from Hyatt at 5:00, then to Grain Exchange after tour

6:30 – 9:00pm  Awards Banquet
Grain Exchange
Buses will depart from Hyatt at 6:00 pm

Saturday, June 2
7:30 – 8:30am  **Breakfast**  
Top of the Hyatt

8:45 – 9:15am  **Ellis Benson Award Lecture**  
Gwen McMillin, PhD  
University of Utah

**Session 6: Iron in Laboratory Medicine**

9:15 – 9:40am  Hepcidin and systemic iron homeostasis  
*Tom Ganz, MD, PhD*  
UCLA

9:40 – 10:05am  New approaches to the diagnosis of iron deficiency anemia  
*Morey Blinder, MD*  
Washington University in St. Louis

10:05 – 10:20am  **Coffee Break**

10:20 – 10:45am  Fatal septicemic plaque in a researcher with hemochromatosis  
*Karen Frank, MD, PhD*  
University of Chicago

10:45 – 11:05am  Stored RBC transfusions: Iron, inflammation, immunity, & infection  
*Steven Spitalnik, MD*  
Columbia University

11:05–11:30am  Iron replacement in the routine management of blood donors  
*Barbara Bryant, MD*  
University of Texas at Galveston

11:30 – 12:15pm  **Membership Business Meeting**

12:15pm  **Box Lunch**

12:15 – 2:00pm  **Executive Council Meeting**