

# Lab Medicine 2012

Academy of Clinical Laboratory Physicians & Scientists  
47th Annual Laboratory Medicine Meeting

Hyatt Regency Hotel  
Milwaukee, Wisconsin, USA 53203  
May 31 – June 2, 2012

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**

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|----------------|--|
| 1:15 – 1:40 pm | Clinical Application of Whole Genome Sequencing in a Children's Hospital<br>David Dimmock MD<br>Medical College of Wisconsin |
| 1:40 – 2:05 pm | Red Cell Genotyping Blood Donors<br><i>Greg Denomme PhD</i><br>BloodCenter of Wisconsin                                      |
| 2:05 – 2:30 pm | Red Cell Genotyping Patients – The Clinician's Perspective<br><i>Rowena Punzalan MD</i><br>BloodCenter of Wisconsin          |
| 2:30 – 2:55 pm | Training Residents in Genomics<br><i>Richard Haspel MD, PhD</i><br>Harvard University  |

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  
*Robert Montgomery, MD*  
BloodCenter of Wisconsin

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

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

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

5:00 – 7:00pm      **Executive Council Meeting**

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

**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**  
Downstairs room at Hyatt

## 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 Basic Science and Case Conference  
TBD
- 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 Discovery World after tour
- 6:30 – 9:00pm      **Awards Banquet**  
Discovery World  
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**  
TBD

## 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**