

Academy of Clinical Laboratory Physicians & Scientists

**46th Annual Meeting
Chase Park Plaza Hotel
Saint Louis, Missouri
June 9 – 11, 2011**

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:

- Describe the technology behind NextGen sequencing and how it differs from traditional Sanger chain termination methods
- List current applications of NextGen sequencing in the clinical laboratory
- Discuss the impact of whole genome sequencing on individualizing treatment of cancer
- Develop plans and strategies to optimize utilization of reference laboratory services
- List the major milestones of the Human Genome Project and describe its potential for improving healthcare
- Describe genomic approaches taken to discover new human viruses
- Define a laboratory developed test (LDT)
- List three common causes of misleading HbA_{1c} values
- Describe three circumstances when amplification of 16S rRNA directly from clinical specimens may be useful

Thursday, June 9

1:00 – 6:00 pm	Registration <i>Khorassan Pre-function</i>
12:30 – 2:45 pm	Executive Council Meeting <i>Boardroom</i>
2:45 – 5:30 pm	Session 1 - "Next Generation Sequencing Impact on Clinical Labs" <i>Khorassan Ballroom</i>
2:45 – 3:30 pm	"Whole Genome Sequencing in Diagnostic Applications" Elaine Mardis, PhD Associate Professor of Genetics Co-Director, Genome Center Washington University
3:30 – 4:00 pm	"Novel Informatics and Molecular Tools for Clinical Sequencing" Rob Mitra, PhD Assistant Professor of Genetics Washington University

4:00 – 4:30 pm *"Whole Genome Sequencing Reveals Novel Mutations in Acute"
Myelocytic Leukemia*
Jacqueline Payton, MD, PhD
Assistant Professor of Pathology and Immunology
Washington University

4:30 – 5:00 pm *"Leveraging Genomics for Next-Generation Diagnostics"*
Mark Watson, MD, PhD
Associate Professor of Pathology and Immunology
Washington University

5:00 – 5:30 pm *Panel Discussion*

→ 6:30 – 8:30 pm **Welcome Reception**
Zodiac Room

Friday, June 10

→ 7:30 – 8:30 am **Breakfast**
Khorassan West

8:30 – 10:00 am **Session 2 - Young Investigator Presentations**
(Regency and Lindell A, B, C and D Rooms)

10:00 – 10:30 am **Coffee Break**
Khorassan West

10:30 – 11:45 am **Young Investigator Presentations (continued)**
(Regency and Lindell A, B, C and D Rooms)

→ 12:00 – 1:00 pm **Lunch**
Zodiac Room

1:00 – 5:30 pm **Session 3 - Genomic Advances**
Khorassan Ballroom

1:00 – 1:45 pm **Cotlove Award Lecture**
"Charting a Course for Genomic Medicine"
Eric Green, MD, PhD
Director, National Human Genome Research Institute
National Institutes of Health

1:45 – 2:15 pm *"Metagenomic Approaches to Virus Discovery and Viral Disease"*
Herbert "Skip" Virgin IV, MD, PhD
Edward Mallinckrodt Professor and Chair
Department of Pathology and Immunology
Professor of Molecular Microbiology and Medicine

2:15 – 3:30 pm

Poster Viewing and Networking Session
(Refreshments Served)
Khorassan West

3:30 – 4:00 pm

Ellis Benson Award Lecture
"Non-Hemolytic Antigen-Loss during Crossmatch Incompatible Transfusion: Diagnostic, Mechanistic, and Medical Considerations"
James C. Zimring, MD, PhD
Associate Professor of Pathology and Laboratory
Medicine
Emory University

4:00 – 5:00 pm

Panel Discussion
"Managing Send Out Costs – What Have You Tried, What Works, What Doesn't?"
Panelists: David Bernard, MD, PhD, Cornell University
Chris Tormey, MD, Yale University
Mike Laposata, MD, PhD, Vanderbilt Univ.
Moderator: Michael Dunne, PhD,
Washington University

→ 6:30 – 9:30 pm

Awards Banquet
St. Louis Zoo – The Living World

Saturday, June 11

→ 7:30 – 8:30 am

Breakfast
Khorassan Ballroom

8:45 am – 10:00 am

Session 4 – "Laboratory Developed Tests"
Khorassan Ballroom

8:45 – 9:15 am

FDA Perspective
"How Can We Close the Regulatory Gaps for Laboratory Developed Tests?"
Alberto Gutierrez, PhD
Director, Office of In Vitro Diagnostics, FDA

9:15 – 9:45 am

Laboratory Perspective
"LDTs: Perspectives from the Academic Molecular Diagnostics Laboratory"
Jeffery Kant, MD, PhD
Professor of Pathology and Human Genetics
University of Pittsburgh

9:45 – 10:00 am

Panel Discussion

10:00 – 11:00 am

Session 5 – "Clinical Pathological Correlations"

10:00 – 10:30 am

Case 1

"The knee bone is connected to the... lungs?" (Microbiology)

Discussant: Alex McAdam, MD, PhD

Associate Professor of Pathology

Children's Hospital of Boston

10:30 – 11:00 am

Case 2

"An unexpectedly normal hemoglobin A_{1c} result in a newly diagnosed Type 2 diabetic patient"

Discussant: David B. Sacks, MD

Chief, Clinical Chemistry Service

National Institutes of Health

11:15 – 12:00 pm

Membership Business Meeting



12:00

Box Lunch

Khorassan West

12:00 – 2:00 pm

Executive Council Meeting

Regency Room

Registration Form
Academy of Clinical Laboratory Physicians & Scientists
46th Annual Meeting
Hosted by Washington University School of Medicine, St. Louis, MO
Department of Pathology and Immunology
June 9-11, 2011

Name: _____ Degree(s): _____
 Institution/Program Affiliation: _____
 Address: _____
 Phone: _____ Fax: _____
 Email: _____

Registration Fees *

	Fee Waived	
Young Investigator Award Winner		
Full Meeting Registration	\$325	<input type="checkbox"/>
Late Registration (<u>received after May 9, 2011</u>)	\$380	<input type="checkbox"/>
Thursday Afternoon Session Only	\$85	<input type="checkbox"/>
Friday Session Only	\$85	<input type="checkbox"/>
Saturday Morning Session Only	\$85	<input type="checkbox"/>

Activities:

Thursday Evening Welcome Reception

Yes, I will attend No, I will not attend
 Number of guests: _____ x \$85 / Guest = \$ _____ Guest name: _____

Friday Evening Awards Banquet

Yes, I will attend No, I will not attend
 Number of guests: _____ x \$85 / Guest = \$ _____ Guest name: _____

Select Entrée for Friday Banquet: **Surf and Turf** **Vegetarian**
 Special Dietary Requirements (please specify): _____

Saturday Box Lunch

Yes, I would like a box lunch No, I would not like a box lunch

Payment Information:

Check enclosed, payable to: Academy of Clinical Laboratory Physicians and Scientists (ACLPS)
 Charge \$ _____ to my credit card
 MasterCard Visa American Express
 Cardholder's Name: _____
 Credit card number: _____ Exp. Date: _____
 Credit card security code (last three digits on the back of your card): _____
 Cardholder's Billing Address: _____
 Cardholder's Signature: _____

Please complete and print this form and return via email, fax or US mail to:

Julie Follman, Special Project Administrator
 Washington University School of Medicine – Department of Pathology and Immunology
 660 South Euclid Avenue, Campus Box 8118
 St. Louis, MO 63110
 Email: follman@wustl.edu; phone: 314-362-3110; fax: 314-362-8888

Transportation

Taxis are readily available outside the baggage claim area of Lambert International Airport and cost approximately \$40 for a one-way ride to the hotel.

Hotel

Hotel reservations should be made **before May 10, 2011** in order to receive the meeting room rate. Please mention the ACLPS group to receive the discounted rate of \$162/night.

Chase Park Plaza Hotel
212 North Kingshighway Boulevard
St. Louis, MO 63110
Toll-Free Reservation: 877-587-2427
Tel: 314-633-3000
Web: <http://chaseparkplaza.com>

**Registration Fees Information***

Full meeting registration fee includes: course materials, breaks, breakfast and lunch on Friday and Saturday, Thursday's Welcome Reception and Friday's Awards Banquet.

If registration is cancelled prior to **May 16, 2011**, the registration fee is refundable, less a \$25 cancellation fee. Cancellations after **May 16, 2011** are not refundable.

This program will be approved for Continuing Medical Education and ACCENT credit.