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*This chart represents common types of submissions to Clinical Chemistry.

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- Double-spaced text, 1-inch margin, 12-point font size in Arial, Helvetica, or Times New Roman
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- All studies involving human study participants must indicate that they are in compliance with the Declaration of Helsinki ethical principles for medical research involving human study participants. A statement must be included in the text that Institutional Review Board approval was obtained and written informed consent obtained from study participants.

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Clinical Chemistry is pleased to announce a special upcoming theme issue on Cancer edited by Drs. Eleftherios P. Diamandis, Robert C. Bast and Carlos Lopez-Otin titled, “Conquering Cancer in Our Lifetime: New Diagnostic and Therapeutic Trends.” Clinical Chemistry, published by the American Association for Clinical Chemistry, is the most highly cited forum for peer-reviewed, original research in the fields of clinical chemistry and laboratory medicine.

The purpose of this issue is to highlight recent advances in diagnosis and therapy of cancer and will include diverse themes such as cancer genomics, proteomics, chemoprevention, early diagnosis, biomarker discovery and validation, drug resistance, cancer stem cells, cancer epigenetics, antiangiogenic therapies, mechanisms of cancer metastasis, and the tumor microenvironment.

Clinical Chemistry invites authors to submit original articles related to cancer to be considered for publication in this special issue. Manuscripts are most likely to be favorably received if they address novel technologies to diagnose, treat or prevent cancer or its complications.

Potential topics of interest include:

- Discovery and validation on novel biomarkers for early diagnosis, prognosis, and monitoring of cancer therapies
- Role of cancer genomics, proteomics, and epigenetics in personalized medicine
- Mechanisms of cancer metastasis and the tumor microenvironment
- Cancer chemoprevention
- Drug resistance and how it can be overcome
- The cancer stem cell hypothesis and its application to diagnostics and therapeutics
- Cancer subclassification by using genomics, proteomics, metabolomics, and other omics
- Novel approaches for therapeutics, diagnosis and monitoring, such as circulating cancer cells, and circulating free DNA and micro-RNAs

Be a part of this exciting issue!

Submissions must be received through our online submission system at http://submit.clinchem.org no later than July 1, 2012. Your cover letter should express your interest in submitting your paper for consideration for the Cancer theme issue. Journal guidelines for submission apply as described in the Information for Authors on the submission website.
Clinical labs now have a new option for quality control (QC) compliance programs based on risk management principles.

Risk management principles can improve laboratories’ QC programs by evaluating regulatory requirements, information provided by the manufacturer, information pertaining to the laboratory environment, and medical requirements for the test result. The result is a QC plan designed specifically for the particular combination of measuring system, laboratory environment, and clinical application.

In this program you will hear from CLSI guideline developers and world leaders in the field of QC. Through case studies they will share with you how they have implemented effective QC plans using risk management principles to improve the practice and safety of laboratory medicine.

After attending you will be able to:
- Describe the EP23 guideline and understand risk management’s role in QC
- Develop a QC plan for moderate complexity POCT and central lab-based tests
- Identify benchmarks for monitoring the effectiveness of a QC plan after implementation
- Use EP23 to refine an existing QC plan for a testing process not performing up to expectations

The Experts:
Valerie Ng, MD, PhD, Immediate Past Chief, ACMC Medical Staff; Chair, Laboratory Medicine & Pathology; Director, Clinical Laboratory, Alameda County Medical Center/Highland General Hospital, Oakland, CA

James H Nichols, PhD, Professor of Pathology, Tufts University School of Medicine; Medical Director, Clinical Chemistry, Baystate Health, Springfield, MA; Chairholder, CLSI EP23 Document Development Committee

Curtis Parvin, PhD, Manager, Advanced Statistical Research, Bio-Rad Laboratories, Plano, TX

This program is approved by AACC for 1.5 Category 1 ACCENT credit hours, and is supported by Bio-Rad Laboratories.

TO REGISTER
Go to www.aacc.org and under “Events” select “Conference and Event Calendar.”
Mass Spectrometry in the Clinical Lab: Best Practices and Current Applications

Mass spectrometry is fast becoming the analytical method of choice for many clinical assays. Attend this conference to find out if mass spec has a place in your lab, and learn about clinical applications where it is now being routinely used.

Our leading lab experts will show you:
- Advantages and challenges of mass spec
- Keys to implementing mass spec tools in the clinical lab
- New guidelines for MS method development and validation
- Pros and cons of mass spec vs. immunoassay

In addition, conference faculty will examine some of the applications already in use in the clinical lab, including:
- Therapeutic drug monitoring
- Toxicology screening and confirmation
- Steroid, thyroid, and vitamin D analyses

...and offer a look at emerging applications in microbiology, molecular diagnostics and pharmacogenomics.

For more information or to register, please visit the AACC web site at www.aacc.org.
Biomarkers in the Diagnosis and Management of Cardiovascular Disease
Biomarkers in Acute Coronary Syndromes
David A. Morrow, MD, MPH
Biomarkers of Heart Failure
Torbjørn Omland, MD, PhD
Pre-analytical and Analytical Considerations of Cardiac Biomarkers for Use in Clinical Practice
Fred Apple, PhD

Three Independent Expert Discussion Sessions - join the discussion and contribute to the conference:

1. Omics and Cardiovascular Disease: Success, Failure and Future Direction Drs. Stefánsson and Gerszten
2. hs-Troponin and Cardiovascular Disease: How Useful Are Old Data? Drs. Morrow, Omland and Apple
3. Prevention of Cardiovascular Disease: The Clinician’s Perspective Drs. Genest and Barter

This program is currently co-sponsored by the American Association for Clinical Chemistry, Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine, Indonesian Heart Association, Japan Atherosclerosis Society, Japanese Society of Clinical Chemistry, Singapore Association of Clinical Biochemists, Singapore Cardiac Society and Taiwan Society of Cardiology.

The conference is offered under the auspices of the IFCC.

This program is currently supported by DENKA SEIKEN CO., LTD., Health Diagnostic Laboratory, Inc., Randox Cardiology and Roche Diagnostics.

For information on corporate sponsorship opportunities, contact Jean Rhame at jrhame@aacc.org.

For more information, to register or learn how to submit an abstract, go to the conference website under www.aacc.org/events or contact custserv@aacc.org.
AACC's very popular High-Value Tests for High-Impact Diseases webinar series continues to offer monthly 60-minute programs featuring low-cost, high-value tests for the clinical laboratory. The next two series focus on kidney and thyroid disease and provide the information you need to help empower clinical decision making and guide patients with highly prevalent diseases avoid downstream complications and costs.

The High-Value Test series of webinars are available for purchase individually or as a discounted 3-pack by disease state.

REGISTER BY DISEASE STATE OR INDIVIDUALLY:

**KIDNEY DISEASE SERIES:**
- July 10 – Biomarkers for Chronic Kidney Disease: Glomerular Filtration and Progression of Kidney Disease
- Aug 14 – Biomarkers for Chronic Kidney Disease: Urine Albumin and Multi-markers
- Sept 11 – Biomarkers for Acute Kidney Injury: Now and the Future

**THYROID DISEASE SERIES:**
- Oct 9 – Perspectives in Thyroid Testing: Pros and Cons of Immunoassay and Mass Spectrometry
- Nov 13 – Effective Laboratory Testing for Thyroid Health During Pregnancy
- Dec 11 – Role of Clinical Lab Testing in Diagnosis and Management of Thyroid Cancer

Each of the 6 programs is approved by AACC for 1.0 Category 1 ACCENT credit hour.

Hear from world leaders in the fields of kidney and thyroid disease and understand the best practices for lab testing so that you can improve patient outcomes and decrease costs!

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AACC and AACC CPOCT Division Present

Promoting a Culture of Quality and Consistency in Critical and Point-of-Care Testing

24th International Symposium  October 4-6, 2012
Hilton Prague Hotel   Prague, The Czech Republic

Join the world’s leading clinicians, POCT practitioners, and technology developers.

Explore a range of timely issues:
- Benefits and Outcomes of Tight Glycemic Protocols in Critical Care Patients
- Understanding the Sources of Error and Limitations in Point-of-Care Testing
- Point-of-Care Testing Beyond the Hospital
- Developing Effective Strategies to Achieve Quality POCT Results
- New Technologies in Point-of-Care Testing

Hear keynote speaker Maurice O’Kane, MD of Altnagelvin Hospital in Londonderry, UK discuss the current and emerging quality perspectives in point-of-care testing.

Network with colleagues and speakers at the opening reception, during dedicated viewing of the posters, and at the awards dinner and visit one of Europe’s most beautiful and vibrant cities.

Early registration discounts end August 10, 2012
See full program at http://www.aacc.org/events/meetings

AACC, 1850 K Street, Suite 625, Washington, DC  20006-2213 Email: custserv@aacc.org  Web: www.aacc.org
The Department of Laboratory Medicine at Memorial Sloan-Kettering Cancer Center in New York City, is seeking an academically oriented, Board Certified Clinical Chemist (PhD or MD/PhD) with subspecialty expertise in Clinical Pharmacology and/or Proteomics to fill the role of Service Chief of the Clinical Chemistry Service.

The Clinical Chemistry Service performs over 5 million tests annually, is a highly automated, robotic laboratory with a staff of 45 technologist and five attending clinical chemists. The environment provides substantial opportunities for clinical/translational research, as well as collaboration with investigators in the Sloan-Kettering Institute. The successful candidate will have the opportunity to participate in an expanding program focused on service, research and teaching.

Please send curriculum vitae, a personal statement of interest and references to: Dr. Melissa Pessin, Chair, Department of Laboratory Medicine, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, New York 10065. E-mail: pessinm@mskcc.org.
Persistent Hemolysis in a Patient with Pancreatitis

Authors: Stephen L. Cook and David E. Bruns
Department of Pathology, University of Virginia School of Medicine, Charlottesville, VA 22908

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2011, 304 pages, softcover
ISBN 9871594251016
Product # 6116

Price only $84; AACC Member $67

The seventh edition of Pediatric Reference Intervals is a valuable reference providing instant and accurate reference intervals for over 250 chemistry and hematology analytes in an alphabetized, user-friendly format. New analytes to this edition include C-peptide, haptoglobin, insulin, hemoglobin A, hemoglobin A2, hemoglobin F, immature platelet fraction, and reticulocyte hemoglobin equivalent. Reference intervals for steroids, free thyroxine, and free triiodothyronine measured by tandem mass spectrometry have been added, as well as reference intervals employing new platforms such as the Abbott Architect® ci8200 and the Roche cobas® 6000 analyzer.

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Lab statistics aren’t sexy, but performing the right calculations to produce clinically appropriate and correctly interpreted test results can be life-altering for patients. For example, using statistics to adjust for biological variation in serial troponin results can mean the difference between a patient being diagnosed with an AMI and getting the appropriate care, or that same patient being sent home with a “missed” acute cardiac episode, putting them at further risk of a second adverse event.

As cardiac markers and other laboratory assays improve and are better able to detect very low analyte concentrations, calculating and understanding the impact of biological variation on test results is imperative for labs.

Attend this program and know:
- How to incorporate data on biological variation into your quality control goals
- The effects of biological variation on test precision and accuracy
- Tips for selecting and applying QC rules that will help you meet your QC goals
- How biological variation can influence the results of common laboratory tests
- Strategies for measuring reference change values (RCVs) and reducing RCVs that are too high

Program Faculty:

**Alan H.B. Wu, PhD, DABCC,** Chief of Clinical Chemistry and Toxicology, San Francisco General Hospital; Professor of Laboratory Medicine, University of California, San Francisco, CA

**Roy Gerona, PhD,** Research Scientist, Department of Laboratory Medicine, San Francisco General Hospital and the University of California, San Francisco, CA

This program is approved by AACC for 1.5 Category 1 ACCENT credit hours.

Learn how to incorporate data on biological variation into your QC program. Register today!

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