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Sunday, July 24, 2005

**DISK ONE***Plenary Sessions*

- 01-1100 **The Natural and Unnatural History of Hepatitis C Virus Infection**  
 Speaker: *Harvey J. Alter, MD*

*Full-Day Workshops*

- 02-2101 **Increasing the Use of Mass/Tandem Mass Spectrometry in Clinical Laboratories**, *Ravinder J. Singh, Ph.D.; Dietrich Matern, Steven Soldin, PhD; M. Oellerich, MD,*
- 03-2102 **Tumor Markers: How We Use Them in the Clinic and New Developments**, *Eleftherios P. Diamandis, MD, PhD FRCP; Martin Fleisher, PhD*
- 04-2103 **Blood Gas, Calcium, Magnesium, and Lactate Testing: Interpretation, Sample Handling, and Point-of-Care Applications**, *John Toffaletti, PhD, DABCC*

**DISK TWO**

- 05-2104 **Statistical and Graphical Tools for the Laboratory - From Test Utility to IQC**, *Kristian Linnert, MD, PhD; Dietmar Stockl, PhD; Per H. Petersen, PhD; Linda Thienpont, PhD, MS*
- 06-2105 **Kidney Disease Outcome Quality Initiative (K/DOQI) Guidelines - New Trends in Laboratory Evaluation of Kidney Disease**, *Tomas Zima, MD; Vladimir Tesar, MD; Garabed Eknoyan, MD; David C. Wheeler, MD; Joel Kopple, MD; Markus Ketteler, MD*
- 07-2107 **Advances in Prenatal Screening for Fetal Chromosome Disorders**, *Andrew R. MacRae, PhD, FCACB; Glenn Palomaki, BS, BA; Jacob A. Canick, PhD*
- 08-2108 **DNA Chips and Arrays: Principles through Applications**, *Theodore E. Mifflin, PhD, DABCC*

**DISK THREE**

- 09-2109 **Improving the Quality of the Total Testing Process: Concepts, Case Histories and Applications**, *Stephen E. Kahn, PhD, DABCC, FACB; Colleen Jarosz, MBA, MT (ASCP) SBB; Mike D. Bullock, Master Black Belt*

*Half-Day Workshops*

- 10-2110 **Coronary Heart Disease Risk Factors: What and How to Measure**, *Gary L. Myers, PhD, FACB; W. Greg Miller, PhD; Judith R. McNamara, MT*
- 11-2111 **Technical and Management Strategies for Selecting Laboratory Instrumentation and Automation Products**, *Leroy D. Mell, Jr., PhD, MBA; James Gonder, BS, MT(ASCP) SCD; Steve Manzella, PhD*
- 12-2112 **Molecular and Serologic Tests for Diagnosis and Management of Hepatitis B and C**, *D. Robert Dufour, MD,*
- 13-2114 **Basic Hematology for the Clinical Laboratorian**, *Louann Lawrence, DrPH, CLS (NCA); Angela Foley, MS, MT(ASCP)*

Monday, July 25, 2005

**DISK FOUR***Minishops*

- 14-2201 **Introduction to Management and Management Concepts**, *Mark L. Jaros, BS, MBA, MT(ASCP)*
- 15-2202 **Eliminating False Positive and False Negative Results in the Toxicology Laboratory**, *Amitava Dasgupta, PhD, DABCC, NRCC*
- 16-2203 **Reducing Risk of Lab Errors Using Failure Mode Effects Analysis**, *Jan S. Krouwer, PhD, FACB*
- 17-2204 **Basic Theory and Clinical Applications of Flow Cytometry**, *John L. Schmitz, PhD, D(ABMLI, ABHI)*
- Full-Day EduTrak/Symposia Sessions*
- 18-3201 **Novel Cardiac Biomarkers and Approaches: Indications, Consternations, and Translations**, *Robert H. Christenson, PhD, DABCC, FACB; David Morrow, MD, MPH; Christopher DeFilippi, MD, FACCC; KT Jerry Yeo, PhD, DABCC, FACB; Alan H.B. Wu, PhD, DABCC*
- 19-3202 **The Clinical Laboratory's Role in Patient Safety**, *Conrad Schuerch, MD; Ralph Dadoun, PhD; Michael Laposata, MD, PhD; Per Simonsson, MD, PhD*
- 20-3203 **Proteomics and Metabolomics: New Diagnostic Frontiers**, *N Leigh Anderson, PhD; John O'Brien, PhD; R.A. Wevers; Saeed Jortani, PhD, DABCC, FACB*
- 21-3204 **IFCC Session: The Role of Evidence-Based Laboratory Medicine in Guidelines**, *Robert H. Christenson, PhD, DABCC, FACB; Wytze Pier Oosterhuis, MD, PhD; Andrea R. Horvath, MD, PhD; Joseph Christophe Watine, PharmD; John B. Whitfield, PhD; Christopher Price, PhD*

**DISK FIVE**

- 22-3209 **Scientific Symposia By Leaders In Our Profession**, *David H. Persing, MD, PhD; Carl Wittwer, MD, PhD; Robert H. Christenson, PhD, DABCC, FACB; Philippe Gillery, MD; D. Joe Boone, PhD*
- Morning EduTrak/Symposia Sessions*
- 23-3205 **Microarrays: From the Research Bench to the Clinical Bench**, *Theodore E. Mifflin, PhD, DABCC; Andrea Ferreira-Gonzalez, PhD*
- 24-3206 **An Emerging Class of Informatics Tools Middleware**, *Jay B. Jones, PhD, DABCC, FACB; James D. Peele, PhD*
- Half-Day Workshops*
- 25-2206 **Developing Consensus Guidelines for Implementation and Utilization of Mass Spectrometry in the Clinical Laboratory**, *Donald H. Chace, PhD, M.S.F.S.*
- 26-2207 **A New Generation of Antiepileptic Drugs: Application and Analysis**, *John M. Wilson, PhD; Charles E. Pippenger, PhD, FACB; Karen Leonard, MT(ASCP)*
- 27-2208 **Basic Financial Skills for the Hospital Laboratory**, *Lisa Newman*

**DISK SIX**

- 28-2209 **Automated Immunoassay: Past, Present and Future Trends**, *Not Available*
- 29-2210 **Outcomes in POCT: Benefits and How We Can Learn from Them**, *Marcy Anderson, MS, MT(ASCP); Lou Ann Weyer; David Colard*
- 30-2211 **Basic Concepts in Immunology: A Review and Update**, *Nancy Hooper, MS, MT(ASCP),*
- Afternoon EduTrak/Symposia Sessions*
- 31-3207 **Automated Decision Making in the Clinical Laboratory - Hematology Application**, *Elkin Simson, MD, FCAP, FASCP; Patrick W. Barnes, BGS, MT(ASCP).MA; Stefanie L. McFadden, MT(ASCP)SH*
- 32-3208 **Quality Management in Clinical Laboratories through ISOSTandards, Six Sigma, and Lean Manufacturing Principles**, *Rogério Rabelo, MD, PhD, MBA; Maureen Harte, MT (ASCP)*

Tuesday, July 26, 2005

**DISK SEVEN***Minishops*

- 33-2301 **Pharmacogenomics (PGx): Principles, Applications and Case Studies**, *Dennis O'Kane, PhD; Linnea M. Baudhuin, PhD*
- 34-2302 **Impact of Analyte Heterogeneity in Clinical Analysis**, *Pradip Datta, PhD, DABCC*
- 35-2303 **Diagnostic and Prognostic Markers of Sepsis: The Evidence to Date and Future Possibilities**, *Patrick St. Louis, PhD*
- 36-2304 **Automated Assays for Glycohemoglobin (HbA1c), Including Point-of-Care Analyzers**, *Ian Geoffrey Goodall, BSc, FAACB, FAIMS, ARCPA*
- 37-2305 **Antibodies - From Structures to Immunoassays**, *William Daniel Bedzyk, PhD*
- Full-Day EduTrak/Symposia Sessions*
- 38-3301 **Global Genomic Personalized Medicine**, *Christopher P. Austin, MD; Larry Lesko, PhD, FCP; Steven Gutman, MD, MBA; Maurizio Ferrari, MD; Steven H. Wong, PhD, DABCC (TC), FACB*
- 39-3302 **IFCC Session: New Analytical Techniques for Molecular Diagnostics**, *Maurizio Ferrari, MD*
- 40-3303 **IFCC Session: Achieving Standardization in Laboratory Medicine**, *Maurizio Panteghini, MD; Gerhard Schumann, PhD; Kor Miedema, PhD; Ulf-Hakan Stenman, MD, PhD; Fred S. Apple, PhD*
- 41-3304 **Autoimmune Disorders: Diagnostic Dilemmas**, *John Harley, MD, PhD; Allan Wiik, MD; Xavier Bossuyt, MD; Vijay Kumar, MS, PhD*
- Morning EduTrak/Symposia Sessions*
- 42-3305 **Global Harmonization of Clinical and Medical Laboratory Personnel Standards**, *Sharon S. Ehrmeyer, PhD; Roy Swift, PhD, ANSI*
- 43-3306 **Testosterone: Not Just for Men Anymore**, *Robert L. Fitzgerald, PhD, DABCC; Nisha Jackson, PhD*
- Half-Day Workshops*
- 44-2306 **Biomarkers of Inflammation and Cardiovascular Disease**, *Ishwari Lal Jialal, MD, PhD; Sridevi Devaraj, PhD; Russell P. Tracy, PhD*

**DISK EIGHT**

- 45-2307 Use of 13C Breath Tests in Evaluating Metabolic Disturbances and Digestive Tract Infection, *Edgard E Delvin, PhD, FCACB; David W. Kinniburgh, PhD, FCACB*
  - 46-2308 A Coagulation Primer for the Chemistry Professional Transitioning to the Core Laboratory, *William E. Winter, M.D.; Neil S. Harris, MD*
  - 47-2309 What's Wrong With This Sample? Managing Preanalytic Processes, *Claudia Chiapuzzi, BS, MT (ASCP)*
  - 48-2310 Errors in Laboratory Medicine, *Not Available*
  - 49-2313 Improving and Understanding Method Accuracy by Establishing Traceability, *Richard R. Miller, BS; Linda Thienpont, PhD, MS; Gregory C. Turk, BA, PhD, NIST*
  - 50-2314 Audit as a Tool for Improving Clinical Outcomes, *Janet M. Smith, BSc, MS; Eric S. Kilpatrick, MD; Keith Griffiths, PhD; Anne Green, PhD, FRCPath, FRSC, RFCPCH*
  - 51-2315 Neonatal Hyperbilirubinemia: Past, Present and Future, *Leland B Baskin, MD; Stephen Wainer, MD*
- Afternoon EduTrak/Symposia Sessions*
- 52-3307 Mass Spectrometry in the Clinical Lab: Matching Technology to Application, *Mike Morris, C.Chem, FRSC; Alan L. Rockwood, PhD; David C. Muddiman*
  - 53-3309 Molecular Diagnosis of Viral Infection in Transplant Patients, *Angela Caliendo, MD, PhD; Andrea Ferreira-Gonzalez, PhD*

**Wednesday, July 27, 2005**

**DISK NINE**

*Plenary Session*

- 54-1400 Circulating Nucleic Acids in Plasma: Emerging Tools for Future Molecular Diagnostics, *Y.M. Dennis Lo, MD*
- Minishops*
- 55-2401 Preanalytical Variables Related to Sample Collection, *Blanca Margarita Velazquez, MD*
  - 56-2402 Macroprolactin: Clinical Significance, Detection and Quantitation of Monomeric Prolactin, *Maichael Fahie-Wilson, Mphil, MRSC, Cchem Thomas Smith, BA, MSc, PhD*
  - 57-2405 Using Six Sigma Processes to Reduce Laboratory Write-Offs, *Paul Keoppel, MBA, MT(ASCP)*
- Full-Day EduTrak/Symposia Sessions*
- 58-3401 NACB Guidelines for Use of Tumor Markers in the Clinic, *Barry Hoffman, PhD; Michael J. Duffy, PhD; Catharine M. Sturgeon, PhD; Rishab Gupta, PhD; Da-Elene Van der Merwe, PhD, HCLD; Heinrich Dreisman; Evelyn S.C. Koay, PhD; Mauro Figueiredo, MD, PhD; Paul Allison, MD*
  - 60-3403 Laboratory Evaluation of Endocrine Function , *Gabor L. Kovacs, MD, PhDSc; Dennis J. Dietzen, PhD, DABCC; Anthony W. Butch, PhD, DABCC; William E. Winter, MD; Geza S. Bodor, MD*
  - 61-3404 IFCC Session: The Quality of Point of Care Testing, *Ken Andrew Sikaris, MBBS, BSc, FRCPA, FAACB; Gitte Marie Henriksen, MHSc; Andrew St. John, PhD, MAACB; Mark Shephard, MSc, MAACB*

**DISK TEN**

*Morning EduTrak/Symposia Sessions*

- 62-3405 Prenatal Screening for Down Syndrome: New Developments for Biochemical and Ultrasound Markers, *Anne Summers; Joanne Miyazaki*

- 63-3406 Challenges in Transitioning Biomarkers from Discovery to Clinical Use, *Wesley Tanaka, PhD, DABCC.*
- Half-Day Workshops*
- 64-2406 Importance of Accurate, Precise, and Quantitative Tests for Allergy Diagnostics, *Phillip Brock Williams, PhD; Henry Homburger, MD; Adnan Custovic, PhD, MD, MSc, DM*
  - 65-2407 Polymerase Chain Reaction (PCR): Principles through Applications, *Theodore E. Mifflin, PhD, DABCC*
  - 66-2408 Trace Elements 2005: Clinical, Analytical and Molecular Approaches, *Jan Palaty, PhD, FCACB*
  - 67-2410 How to Balance Your Life without Really Trying, *Cheryl June Kraft, MS*
  - 68-2411 Hot Topics in Point-of-Care Testing, *Paula J. Santrach, MD; James H. Nichols, PhD, FACB; Sheldon Campbell, MD, PhD, FCAP; Sheldon Campbell, MD, PhD, FCAP; Sheldon Campbell, MD, PhD, FCAP*
  - 69-2412 Hemoglobinopathies and Thalassemias: A Case Study Approach, *Shirley L. Welch, PhD*

**DISK ELEVEN**

- 70-2413 Improving the Dialogue with Clinicians-Interpreting Clinical Data, *Danielle B. Freedman; R.J.L. Hooper, MD*
  - 71-2414 College of American Pathologists, Laboratory Accreditation Program in 2005, *Ronald B. Lepoff, MD; William Castellani, BS, MD; Nancy Yeransian, MT, (ASCP); Stephen J. Sarewitz, MD*
  - 72-2415 Biomarkers for Detection of Myocardial Injury, Risk Stratification and Heart Failure: Clinical and Analytical Issues, *Fred S. Apple, PhD; Allan Jaffe, MD; Johannes Mair, MD*
  - 73-2416 Interferences - The Unsolved and Ongoing Challenge for the Medical Lab, *James J. Miller, PhD, DABC*
- Afternoon EduTrak/Symposia Sessions*
- 74-3407 Healthcare Forum, *Steven Gutman, MD, MBA; Judy Yost, MA MT (ASCP); Peter Kazon, Esq*
  - 75-3408 International Laboratory Benchmarking: Lessons to be Learned, *Michael J. Hallworth, MA, MSc, FRCPath; Robert Michel; Michael J. Hallworth, MA, MSc, FRCPath.; Andrew St. John, PhD, MAACB*
  - 76-3409 IFCC Session: Immunosuppressive Drug Monitoring: The Rationale and Application Following Transplantation, *Teun Van Gelder, MD; David W. Holt, PhD, DSc. (Med); Victor Armstrong, PhD*

**Thursday, July 28, 2005**

**DISK TWELVE**

*Morning EduTrak/Symposia Sessions*

- 77-3501 The Value of Diagnostic Tests in Public Health in Southeast Asia and Other World Regions, *Gerald J. Kost, MD, PhD, MS, FACB; Navapin Chariruks, MD; Sompongse Sitwanwalaikorn, MD, MSc; Angela Caliendo, MD, PhD*
- 78-3502 Quality Assurance and Quality Control in Molecular Diagnostic Laboratories: A Global Perspective, *Lawrence M. Silverman, PhD, DABCC; David Barton, PhD; Peter George, MD*
- 79-3503 IFCC Session: Lab-in-a-Cell: Using Single Cells for Clinical Diagnostic Applications, *Albert Van Den Berg, PhD; Helene Andersson, PhD*
- 80-3504 The World of Traditional and Herbal Remedies, *Catherine A. Hammett-Stabler, PhD, DABCC, FACB; Amitava Dasgupta, PhD, DABCC, NRCC; Vanessa Steenkamp, PhD*
- 81-3505 The Clinical Chemistry of Infectious Diseases, *Guoping Zhao, PhD; Terrence C.W. Poon, PhD*

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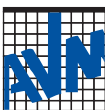
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