

## Sunday, July 25, 2004

### Plenary Session

- 01-1100 **Talking About Genes: Bringing Science to the Public,** *M.F. Singer, PhD*  
(1 Tape)

### Full Day Workshops

- 02-2101 **Blood Gas, Calcium, Magnesium, and Lactate Testing: Interpretation, Sample Handling, and Point-of-Care Applications,** *J. Toffaletti, PhD, DABCC*  
(4 Tapes)
- 03-2102 **Tumor Markers: How We Use Them in the Clinic and New Developments,** *E.P. Diamandis, MD, PhD, FRCPC; D.W. Chan, PhD, DABCC, FACB; M. Fleisher, PhD*  
(4 Tapes)
- 04-2103 **DNA Chips and Arrays: Principles Through Applications,** *T.E. Mifflin, PhD, DABCC*  
(4 Tapes)
- 05-2104 **Concepts and Practices in the Evaluation of Laboratory Methods,** *(Not Available)*
- 06-2105 **Screening in OB/GYN: Cystic Fibrosis, Prenatal Screening for Down's Syndrome and the Use of Genetic Counseling,** *A.M. Spiekerman, PhD, DABCC; J. Saucier; L.B. Baskin, MD*  
(3 Tapes)
- 07-2106 **Statistical and Graphical Tools for the Laboratory From Test Utility to Internal Quality Control,** *K. Linnet; D. Stockl; S. Sandberg; P.H. Petersen, PhD; L.Thienpont*  
(4 Tapes)
- 08-2107 **Improving the Quality of the Total Testing Process: Concepts, Case Histories and Applications,** *S.E. Kahn, PhD, DABCC, FACB; D.D. Callas, PhD; C. Jarosz, MBA, MT (ASCP) SBB*  
(4 Tapes)

### Half-Day Workshops

- 09-2108 **A New Generation of Antiepileptic Drugs: Application and Analysis,** *J.M. Wilson, PhD; C.E. Pippenger, PhD., FACB; K. Leonard, MT(ASCP)*  
(3 Tapes)
- 10-2109 **Coronary Heart Disease Risk Factors: What and How to Measure,** *G.L. Myers, PhD, FACB; W.G. Miller, PhD; G.R. Cooper, MD, PhD; J.R. McNamara, MT*  
(3 Tapes)
- 11-2110 **How to Determine Reference Intervals,** *Amadeo J. Pesce, PhD, DABCC, FACB; Paul S. Horn, PhD*  
(3 Tapes)
- 12-2111 **Hot Topics in Point-of-Care Testing,** *P.J. Santrach, MD; J.H. Nichols, PhD, FACB*  
(3 Tapes)
- 13-2112 **Developing Successful Strategies for Meeting the Regulations (JCAHO,CAP,COLA, CLIA),** *R.H. Laessig, PhD; S. Ehrmeyer, PhD*  
(3 Tapes)

## Monday, July 26, 2004

### Minishops

- 14-2202 **An Introduction to MALDI-TOF Mass Spectrometry,** *G. Hortin, MD, PhD*  
(1 Tape)
- 15-2203 **Herbal Medicines: Toxicity, Drug Interactions & Interferences with Laboratory Tests,** *A. Dasgupta, PhD, DABCC, NRCC*  
(1 Tape)
- 16-2204 **The IRB: A Mock Session,** *E.G. Gorman, PhD; B. Handelin, PhD; S. Peckman*  
(1 Tape)
- 17-2205 **Managing Laboratory Utilization,** *D.S. Young, MD, PhD*  
(1 Tape)

### Full-Day Edutrak Sessions

- 18-3201 **Integrated Medicine: Co-Development of Biomarkers with Therapeutics Provides Enhanced Diagnostics, Moderator:** *M. Stocum; N. Spector, MD; J.C Gorski, PhD; L. Lesko, PhD, FCP; I. Gilham, PhD*  
(3 Tapes)
- 19-3202 **NACB LMPG 2004: Evidence Based Practice for POCT- Day 1, Moderator:** *J.H. Nichols, PhD, FACB; E. Jacobs, PhD, FACB; R.H. Christenson, PhD, DABCC, FACB; L.J. Sokoll, PhD; S. Kazmierczak, PhD; M. Zucker, PhD; C. Price, PhD*  
(3 Tapes)
- 20-3203 **Biology and Diagnostic Applications of DNA and RNA in Plasma and Serum, Moderator:** *Y.M.D. Lo, MD; P. Anker, PhD, D.W. Bianchi, MD; R.W.K. Chiu, MBBS; T.H. Rainer, MD*  
(3 Tapes)
- 21-3204 **Current and Future Contribution of Laboratory Medicine to Clinical Cardiology,** *S.E. Kahn, PhD, DABCC, FACB; A.H.B. Wu, PhD, DABCC, FACB; R.H. Christenson, PhD, DABCC, FACB; D. Morrow, MD, MPH; J. Adams, MD, FACC*  
(3 Tapes)

### Morning Edutrak Sessions

- 22-3205 **Telehealth Technology: Reducing Costs & Improving Quality of Life for the Elderly,** *C. Lehmann, PhD, CC(NRCC), FACB; L.A. Gaudet, MBA*  
(1 Tape)
- 23-3207 **The Clinical and Laboratory Impact of HbA1c Standardization Moderator:** *W.E. Winter, MD; R.R. Little, PhD; G. John, PhD*  
(1 Tape)

### Half-Day Workshops

- 24-2206 **Principles of Pharmacogenomics,** *S.H. Wong, PhD, DABCC (TC), FACB; M. Shi, MD, PhD, FACB; D. O'Kane, PhD*  
(3 Tapes)
- 25-2207 **Leading A Successful Outreach Program: Leveraging Your Role in the Sales Process,** *C.V. Petersen*  
(3 Tapes)
- 26-2208 **Basic Hematology for the Clinical Laboratorian,** *L. Lawrence, DrPH, MT(ASCP); A. Foley, MS, MT(ASCP)*  
(3 Tapes)
- 27-2209 **Biomarkers for Detection of Myocardial Injury, Risk Stratification and Heart Failure: Clinical and Analytical Issues,** *F. Apple, PhD; J. Mair, MD; A. Jaffe, MD*  
(3 Tapes)
- 28-2210 **Interferences The Unsolved and Ongoing Challenge for the Medical Lab,** *O. Sonntag; M.R. Glick, PhD; L.J. Kricka, PhD, FACB*  
(2 Tapes)
- 29-2211 **The Role of the Clinical Laboratory in Evaluating Endocrine Function,** *A.W. Butch, PhD, DABCC; G.S. Bodor, MD; K.A. Kelly, PhD, DABCC*  
(3 Tapes)
- 30-2212 **Patient Safety and the Clinical Laboratory,** *M. Astion, MD, PhD*  
(2 Tapes)
- 31-2213 **Management of Product Evaluations and Clinical Trials,** *D.P. Lehane, PhD, FACB; S.A. Hojvat, PhD, FDA*  
(3 Tapes)
- 32-2214 **Biological Variation and Quality In Laboratory Medicine,** *C. Fraser, PhD; C. Ricos; V.D'Hebron; G. Cooper CLS, MHA*  
(3 Tapes)
- 33-2215 **Genomics, Proteomics & New Opportunities for Clinical Diagnostics,** *E. P. Diamandis, MD, PhD, FRCPC; D. Palmer-Toy, MD, PhD*  
(3 Tapes)

### Afternoon Edutrak Sessions

- 34-3206 **Building a Standard Electronic Medical Record: Implications for the Laboratory, Moderator:** *J. B. Jones, PhD, DABCC, FACB; David Lacher, MD; R.D. Aller, MD; D.R. Dufour, MD*  
(2 Tapes)
- 35-3208 **Identifying Suitable Reference Materials, Methods and Laboratory Networks for Calibrator and Control Traceability, Moderator:** *N. Greenberg, PhD, DABCC; D. Sogin, PhD; L. Siekmann, MD, PhD*  
(2 Tapes)

## Tuesday, July 27, 2004

### Plenary Session

- 36-1300 **"Proteomics",** *D. Hochstrasser, MD*  
(1 Tape)

### Minishops

- 37-2301 **"Follow Me!" The Art of Leadership,** *(Not Available)*
- 38-2302 **Eliminating False Positive & False Negative Results in the 39-Toxicology Laboratory,** *A. Dasgupta, PhD, DABCC, NRCC*  
(1 Tape)
- 39-2304 **Basic Theory and Clinical Applications of Flow Cytometry,** *S. Orton, PhD, MS, MT(ASCP)*  
(1 Tape)
- 40-2305 **Diagnostic and Prognostic Markers of Sepsis: The Evidence to Date and Future Possibilities,** *P. St. Louis, PhD*  
(1 Tape)

### Full-Day Edutrak Sessions

- 41-3301 **NACB LMPG 2004: Evidence Based Practice for POCT- Day 2, Moderator:** *G. Shipp, MD; Ian Watson, PhD., FRCPath; K. Lewandowski, MD; R. L Sautter, PhD, HCLD (ABB); W Clarke, PhD; Ann M. Gronowski, PhD, FACB*  
(3 Tapes)
- 42-3302 **Clinical Proteomics and the Human Proteome Organization (HUPO), Moderator:** *Daniel W. Chan, PhD, DABCC, FACB; S. Hanash, MD, PhD; G.S. Omenn, MD, PhD; F. He, PhD; H. E. Meyer*  
(3 Tapes)
- 43-3303 **Managing HIV: The Use of TDM, Susceptibility Monitoring, and Pharmacogenomics to Reduce Toxicity and Resistance, Moderator:** *C.A. Hammett-Stabler, PhD, DABCC, FACB; N. Rakhmanina, MD; Lisa M. Frenkel, MD; S. Soldin, PhD; S. Mallal, D. Payne, PhD*  
(3 Tapes)

### Morning Edutrak Sessions

- 44-3304 **Consumer-Directed Laboratory Testing: The Lab Goes Retail, Moderator:** *L Killingsworth, PhD; A. Gewirtz, MD*  
(1 Tape)
- 45-3305 **The Metabolic Syndrome: Concepts and Issues, Moderator:** *D.B. Sacks, MB, ChB, FRCPath; E. S. Ford, MD, MPH; G. Reaven, MD*  
(1 Tape)
- 46-3307 **Findings From the 2003 CAP Fresh Frozen Serum Proficiency Test Challenge, Moderator:** *E.R. Ashwood, MD; W.G. Miller, PhD; G.G. Klee, MD, PhD*  
(1 Tape)

### Half-Day Workshops

- 47-2306 **Automated Immunoassay: Past, Present & Future Trends,** *K.E. Blick, PhD, DABCC, ACS; H.D. Fry*  
(3 Tapes)

- 48-2307** **Basic Concepts in Immunology: A Review and Update,**  
*J.D. Cook, PhD, DABCC, FACB; N. Hooper*  
*(3 Tapes)*
- 49-2308** **The Evolving Role of the Laboratory in Assisted Reproduction,**  
*L.C. Rogers, PhD, DABCC, FACB; A.M. Spiekerman, PhD,*  
*DABCC; W.E. Roudebush*  
*(2 Tapes)*
- 50-2309** **Growing the Clinical Laboratory,**  
*P.C. Painter, PhD*  
*(3 Tapes)*
- 51-2311** **Making Six Sigma Work For You,***J.E. Love, Jr., PhD, DABCC;*  
*C.D. Lee, MS, MT(ASCP)*  
*(2 Tapes)*
- 52-2313** **Glucose, Lipids and Atherogenesis: Understanding the**  
**Laboratory Evaluation of the Metabolic Syndrome,**  
*W.E. Winter, MD*  
*(3 Tapes)*
- 53-2314** **Developing Autovetification Strategies in Clinical Chemistry,**  
*M.W. Fowler, PhD; R. Seaberg, BS, MT (ASCP)*  
*(2 Tapes)*

**Afternoon Edutrak Sessions**

- 54-3306** **Global IVD Standards: Impact on the Design and Use of IVD**  
**Systems, Moderator:** *D.M. Powers, PhD; A. Kallner, PhD,*  
*Karolinska Hospital, Stockholm, Sweden; K. Setzer, MS;*  
*D.M. Powers, PhD*  
*(2 Tapes)*
- 55-3308** **Laboratory's Role in the Management of the Chest Pain Patient**  
**in the ED, Moderator:** *M.L. Gantzer; B.J. Browne, MD;*  
*C. Pollack, MD; R. Marler, PhD*  
*(2 Tapes)*
- 56-3309** **Evidence Based Laboratory Medicine: Principles and Practice,**  
**Moderator:** *R.H. Christenson, PhD, DABCC; A.R. Horvath, MD,*  
*PhD; C. Price, PhD*  
*(2 Tapes)*

**Wednesday, July 28, 2004**

**Minishops**

- 57-2401** **Tandem Mass Spectrometry: Fundamentals and Applications,**  
*M. Lehrer, PhD, FACB; L. Presley, PhD*  
*(1 Tape)*
- 58-2402** **Strategies for Securing the Viability of Community Laboratory**  
**Services, R. Forsman**  
*(1 Tape)*
- 59-2403** **Stand and Deliver: The Art of Speaking in Public, (Not Available)**
- 60-2404** **Resolving Discordant Samples in Clinical Lab Practice,**  
*P. Datta, PhD, DABCC*  
*(1 Tape)*
- 61-2405** **Survival Skills for Creating a Safety Savvy Laboratory,**  
*T.J. Gile, MA, MT(ASCP)*  
*(1 Tape)*

**Full-Day Edutrak Sessions**

- 62-3401** **The Impact of Analytical Performance on Outcomes,**  
**Moderator:** *J.M. Smith BSc, MS; J.C. Boyd, MD;*  
*C.M. Sturgeon, PhD; R.H. Christenson, PhD, DABCC, FACB;*  
*E.S. Kilpatrick, MD; K. Spencer, DSc*  
*(3 Tapes)*
- 63-3402** **New Diagnostic Tools for Hypertension and Salt Sensitivity,**  
**Moderator:** *R.A. Felder, PhD; E.D. Frohlich, MD; M. Weinberger;*  
*P.A. Jose, MD, PhD; F. Luft, MD; R.A. Felder, PhD*  
*(3 Tapes)*
- 64-3403** **Pediatric Obesity: A New Healthcare Challenge, Moderator:**  
*V.L. Grey, PhD, FCACB; W.J. Klish, MD; W.E. Winter, MD;*  
*S.M. Davis, PhD; B.W. McCrindle, MD, MPH, FRCPC;*  
*K. Adeli, PhD, FCACB, DABCC*  
*(3 Tapes)*

**Morning Edutrak Sessions**

- 65-3404** **Lab-in-a-Cell: Using Single Cells for Clinical Diagnostic**  
**Applications, Moderator:** *I. Vermes, MD, PhD; A. Van Den Berg,*  
*PhD; H. Andersson, PhD*  
*(1 Tape)*
- 66-3405** **Celebrating 50 Years of Clinical Chemistry: The Evolution of**  
**the Journal and the Science, Moderator:** *Donald S. Young, MD,*  
*PhD; R. Rej, PhD, Wadsworth Center for Laboratories &*  
*Research, Albany, NY*  
*(1 Tape)*

- 67-3406** **Cytochrome P450 Genetic Analysis: New Tools for**  
**Customized Drug Therapy, Moderator:** *S.P. Day;*  
*D. Payne, PhD; B. Buckaveeck*  
*(1 Tape)*

**Half-Day Workshops**

- 68-2406** **Reality Pharmacogenomics: Implementation Scenarios for**  
**the Real World, G. Ruano, MD, PhD; M.D. Caldwell, MD,**  
*PhD; E.S. Estape, PhD; M.A. Kean, T.A. McCaffrey, PhD*  
*(2 Tapes)*
- 69-2408** **Application of Validation Criteria for Assay Assessment in**  
**Veterinary Clinical and Non-Clinical Studies, S.V. Lamb**  
*(3 Tapes)*
- 70-2409** **Your CAP Inspection Success Plan, R. B. Lepoff, MD;**  
*N. Yeransian, MT, (ASCP)SC; S.J. Sarewitz, MD*  
*(3 Tapes)*
- 71-2410** **Polymerase Chain Reaction (PCR): Principles through**  
**Applications, T.E. Mifflin, PhD, DABCC**  
*(2 Tapes)*
- 72-2411** **In Vitro Diagnosis of Allergic Disorders, J.D. Faix, MD;**  
*T.M. Li, PhD., FACB, FAAAAI*  
*(3 Tapes)*
- 73-2412** **Improving the Dialogue with Clinicians Interpreting Clinical**  
**Data, D.B. Freedman; R.L.J. Hooper, MD**  
*(3 Tapes)*
- 74-2413** **Cancer Screening Tests: More Complexity Amid Large Test**  
**Volumes, B. Handelin, PhD; D.H. Whitney, PhD; E.G. Gorman,**  
*PhD; G. Miller, PhD*  
*(3 Tapes)*

**Afternoon Edutrak Sessions**

- 75-3407** **Interference in Immunoassays, Moderator:** *M.J. Hallworth,*  
*MA, MSc, FRCPath; C.M. Sturgeon, PhD; U.H. Stenman, MD,*  
*PhD; M.J. Wheeler, PhD, FRCPath*  
*(2 Tapes)*
- 76-3408** **In Pursuit of an Understanding of the Effects of Estrogen on**  
**Biomarkers in Post-Menopausal Women, Moderator:** *M.M.*  
*Kimberly, PhD; R.D. Jackson, MD; J. Hsia, MD;*  
*L. Kuller, MD, PhD*  
*(2 Tapes)*
- 77-3409** **Healthcare Forum, Moderator:** *D. Lavanty, JD; C. Lehmann,*  
*PhD, CC(NRCC), FACB; G. Schatz, JD; J. Yost, MA, MT(ASCP);*  
*J.M. Cooper, MD*  
*(2 Tapes)*

**Thursday, July 29**

**Plenary Session**

- 78-1500** **The National Kidney Disease Education Program,**  
*T. H. Hostetter, MD*  
*(1 Tape)*

**Full-Day Edutrak Sessions**

- 79-3501** **Regulatory and Reimbursement Issues in Molecular**  
**Diagnostics: The Financial, Laboratory, Manufacturer,**  
**Payer and Legal Points of View, Moderator:** *D.H. Farkas,*  
*PhD, HCLD; G.N. Rogan, MD; Joan Logue*  
*(3 Tapes)*
- 80-3502** **Personalized Treatment for the Cancer Patient, Moderator:**  
*H.A. Fritsche, PhD, M.D.; E. Krynetski, PhD, D.SC; L. Puzstai,*  
*MD, PhD, M.D.; S. Shak, MD; L. M. Demers, PhD, DABCC,*  
*FACB*  
*(3 Tapes)*
- 81-3503** **Stroke: Physiology is to Clinical Management as Proteomics**  
**is to Clinical Pathology, Moderator:** *R.H. Christenson, PhD,*  
*DABCC, FACB; A.H.B. Wu, PhD, DABCC; D. Laskowitz, MD;*  
*Q. Fu, PhD; E Jauch, MD, MS*  
*(3 Tapes)*

**Morning Edutrak Sessions**

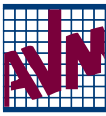
- 82-3504** **Challenges in the Development of Pediatric Reference**  
**Ranges, Moderator:** *C. Lee, MS; T. Mock, PhD; S. Soldin, PhD*  
*(1 Tape)*

**Afternoon Edutrak Sessions**

- 83-3506** **Detecting Impaired Glomerular Filtration Rate for Assessing**  
**Chronic Kidney Disease, Moderator:** *G.L. Myers, PhD, FACB;*  
*W.G. Miller, PhD; J. Coresh, MD, PhD; S. Furth, MD, PhD*  
*(1 Tape)*
- 84-3507** **The Race Against Time: Issues Surrounding Andropause,**  
**Moderator:** *L.C. Rogers, PhD, DABCC, FACB; L. Marks, MD;*  
*R.V. Clark, PhD, MD; H. Rittenhouse, PhD*  
*(2 Tapes)*

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Sunday, July 25, 2004

**DISK ONE**

*Plenary Session*

01-1100 Talking About Genes: Bringing Science to the Public, M.F. Singer, PhD

*Full-Day Workshops*

02-2101 Blood Gas, Calcium, Magnesium, and Lactate Testing: Interpretation, Sample Handling, and Point-of-Care Applications, J. Toffaletti, PhD, DABCC

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04-2103 DNA Chips and Arrays: Principles Through Applications, T.E. Mifflin, PhD, DABCC

**DISK TWO**

05-2104 Concepts and Practices in the Evaluation of Laboratory Methods, (Not Available)

06-2105 Screening in OB/GYN: Cystic Fibrosis, Prenatal Screening for Down's Syndrome and the Use of Genetic Counseling, A.M. Spiekerman, PhD, DABCC; J. Saucier; L.B. Baskin, MD

07-2106 Statistical and Graphical Tools for the Laboratory From Test Utility to Internal Quality Control, K. Linnet; D. Stockl; S. Sandberg; P.H. Petersen, PhD; L.Thienpont

08-2107 Improving the Quality of the Total Testing Process: Concepts, Case Histories and Applications, S.E. Kahn, PhD, DABCC, FACB; D.D. Callas, PhD; C. Jarosz, MBA, MT (ASCP) SBB

**DISK THREE**

*Half-Day Workshops*

09-2108 A New Generation of Antiepileptic Drugs: Application and Analysis, J.M. Wilson, PhD; C.E. Pippenger, PhD, FACB; K. Leonard, MT(ASCP)

10-2109 Coronary Heart Disease Risk Factors: What and How to Measure, G.L. Myers, PhD, FACB; W.G. Miller, PhD; G.R. Cooper, MD, PhD; J.R. McNamara, MT

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Monday, July 26, 2004

**DISK FOUR**

*Minishops*

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*Full-Day Edutrak Sessions*

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20-3203 Biology and Diagnostic Applications of DNA and RNA in Plasma and Serum, Moderator: Y.M.D. Lo, MD; P. Anker, PhD, D.W. Bianchi, MD; R.W.K. Chiu, MBBS; T.H. Rainer, MD

21-3204 Current and Future Contribution of Laboratory Medicine to Clinical Cardiology, S.E. Kahn, PhD, DABCC, FACB; A.H.B. Wu, PhD, DABCC, FACB; R.H. Christenson, PhD, DABCC, FACB; D. Morrow, MD, MPH; J. Adams, MD, FACC

*Morning Edutrak Sessions*

22-3205 Telehealth Technology: Reducing Costs & Improving Quality of Life for the Elderly, C. Lehmann, PhD, CC(NRCC), FACB; L.A.

Gaudet, MBA

23-3207 The Clinical and Laboratory Impact of HbA1c Standardization  
Moderator: W.E. Winter, MD; R.R. Little, PhD; G. John, Ph

**DISK FIVE**

*Half-Day Workshops*

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**DISK SIX**

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*Afternoon Edutrak Sessions*

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35-3208 Identifying Suitable Reference Materials, Methods and Laboratory Networks for Calibrator and Control Traceability, Moderator: N. Greenberg, PhD, DABCC; D. Sogin, PhD; L. Siekmann, MD, PhD

Tuesday, July 27, 2004

**DISK SEVEN**

*Plenary Session*

36-1300 "Proteomics", D. Hochstrasser, MD

*Minishops*

37-2301 "Follow Me!" The Art of Leadership, (Not Available)

38-2302 Eliminating False Positive & False Negative Results in the 39-Toxicology Laboratory, A. Dasgupta, PhD, DABCC, NRCC

39-2304 Basic Theory and Clinical Applications of Flow Cytometry, S. Orton, PhD, MS, MT(ASCP)

40-2305 Diagnostic and Prognostic Markers of Sepsis: The Evidence to Date and Future Possibilities, P. St. Louis, PhD

*Full-Day Edutrak Sessions*

41-3301 NACB LMPG 2004: Evidence Based Practice for POCT- Day 2, Moderator: G. Shipp, MD; Ian Watson, PhD, FRCPath; K. Lewandrowski, MD; R. L. Sautter, PhD, HCLD (ABB); W. Clarke, PhD; Ann M. Gronowski, PhD, FACB

42-3302 Clinical Proteomics and the Human Proteome Organization (HUPO), Moderator: Daniel W. Chan, PhD, DABCC, FACB; S. Hanashi, MD, PhD; G.S. Omenn, MD, PhD; F. He, PhD; H. E. Meyer

43-3303 Managing HIV: The Use of TDM, Susceptibility Monitoring, and Pharmacogenomics to Reduce Toxicity and Resistance, Moderator: C.A. Hammett-Stabler, PhD, DABCC, FACB; N. Rakhmanina, MD; Lisa M. Frenkel, MD; S. Soldin, PhD; S. Mallal, D. Payne, PhD

**DISK EIGHT**

*Morning Edutrak Sessions*

44-3304 Consumer-Directed Laboratory Testing: The Lab Goes Retail, Moderator: L Killingsworth, PhD; A. Gewirtz, MD

45-3305 The Metabolic Syndrome: Concepts and Issues, Moderator: D.B. Sacks, MB, ChB, FRCPath; E. S. Ford, MD, MPH; G. Reaven, MD

46-3307 Findings From the 2003 CAP Fresh Frozen Serum Proficiency Test Challenge, Moderator: E.R. Ashwood, MD; W.G. Miller, PhD; G.G. Klee, MD, PhD

**Half-Day Workshops**

- 47-2306 **Automated Immunoassay: Past, Present & Future Trends**, K.E. Blick, PhD, DABCC, ACS; H.D. Fry
- 48-2307 **Basic Concepts in Immunology: A Review and Update**, J.D. Cook, PhD, DABCC, FACB; N. Hooper
- 49-2308 **The Evolving Role of the Laboratory in Assisted Reproduction**, L.C. Rogers, PhD, DABCC, FACB; A.M. Spiekerman, PhD, DABCC; W.E. Roudebush
- 50-2309 **Growing the Clinical Laboratory**, P.C. Painter, PhD

**DISK NINE**

- 51-2311 **Making Six Sigma Work For You**, J.E. Love, Jr., PhD, DABCC; C.D. Lee, MS, MT(ASCP)
- 52-2313 **Glucose, Lipids and Atherogenesis: Understanding the Laboratory Evaluation of the Metabolic Syndrome**, W.E. Winter, MD
- 53-2314 **Developing Autoverification Strategies in Clinical Chemistry**, M.W. Fowler, PhD; R. Seaberg, BS, MT (ASCP)

**Afternoon Edutrak Sessions**

- 54-3306 **Global IVD Standards: Impact on the Design and Use of IVD Systems**, Moderator: D.M. Powers, PhD; A. Kallner, PhD, Karolinska Hospital, Stockholm, Sweden; K. Setzer, MS; D.M. Powers, PhD
- 55-3308 **Laboratory's Role in the Management of the Chest Pain Patient in the ED**, Moderator: #M.L. Gantzer; B.J. Browne, MD; C. Pollack MD; R. Marler, PhD
- 56-3309 **Evidence Based Laboratory Medicine: Principles and Practice**, Moderator: R.H. Christenson, PhD, DABCC; A.R. Horvath, MD, PhD; C. Price, PhD

Wednesday, July 28, 2004

**DISK TEN**

**Minishops**

- 57-2401 **Tandem Mass Spectrometry: Fundamentals and Applications**, M. Lehrer, PhD, FACB; L. Presley, PhD
- 58-2402 **Strategies for Securing the Viability of Community Laboratory Services**, R. Forsman
- 59-2403 **Stand and Deliver: The Art of Speaking in Public**, (Not Available)
- 60-2404 **Resolving Discordant Samples in Clinical Lab Practice**, P. Datta, PhD, DABCC
- 61-2405 **Survival Skills for Creating a Safety Savvy Laboratory**, T.J. Gile, MA, MT(ASCP)

**Full-Day Edutrak Sessions**

- 62-3401 **The Impact of Analytical Performance on Outcomes**, Moderator: J.M. Smith BSc, MS; J.C. Boyd, MD; C.M. Sturgeon, PhD; R.H. Christenson, PhD, DABCC, FACB; E.S. Kilpatrick, MD; K. Spencer, DSc
- 63-3402 **New Diagnostic Tools for Hypertension and Salt Sensitivity**, Moderator: R.A. Felder, PhD, E.D. Frohlich, MD; M. Weinberger; P.A. Jose, MD, PhD; F. Luft, MD; R.A. Felder, PhD
- 64-3403 **Pediatric Obesity: A New Healthcare Challenge**, Moderator: V.L. Grey, PhD, FCACB; W.J. Klish, MD; W.E. Winter MD; S.M. Davis, PhD; B.W. McCrindle, MD, MPH, FRCPC; K. Adeli, PhD, FCACB, DABCC

**Morning Edutrak Sessions**

- 65-3404 **Lab-in-a-Cell: Using Single Cells for Clinical Diagnostic Applications**, Moderator: I. Vermes, MD, PhD; A. Van Den Berg, PhD; H. Andersson, PhD
- 66-3405 **Celebrating 50 Years of Clinical Chemistry: The Evolution of the Journal and the Science**, Moderator: Donald S. Young, MD, PhD; R. Rej, PhD

- 67-3406 **Cytochrome P450 Genetic Analysis: New Tools for Customized Drug Therapy**, Moderator: S.P. Day; D. Payne, PhD; B. Buckaveeck

**Half-Day Workshops**

- 68-2406 **Reality Pharmacogenomics: Implementation Scenarios for the Real World**, G. Ruano, MD, PhD; M.D. Caldwell, MD, PhD; E.S. Estape, PhD; M.A. Kean, T.A. McCaffrey, PhD
- 69-2408 **Application of Validation Criteria for Assay Assessment in Veterinary Clinical and Non-Clinical Studies**, S.V. Lamb

**DISK ELEVEN**

- 70-2409 **Your CAP Inspection Success Plan**, R. B. Lepoff, MD; N. Yeransian, MT, (ASCP)SC; S.J. Sarewitz, MD
- 71-2410 **Polymerase Chain Reaction (PCR): Principles through Applications**, T.E. Mifflin, PhD, DABCC
- 72-2411 **In Vitro Diagnosis of Allergic Disorders**, J.D. Faix, MD; T.M. Li, PhD, FACB, FAAAAI
- 73-2412 **Improving the Dialogue with Clinicians Interpreting Clinical Data**, D.B. Freedman; R.L.J. Hooper, MD
- 74-2413 **Cancer Screening Tests: More Complexity Amid Large Test Volumes**, B. Handelin, PhD; D.H. Whitney, PhD; E.G. Gorman, PhD; G. Miller, PhD

**Afternoon Edutrak Sessions**

- 75-3407 **Interference in Immunoassays**, Moderator: M.J. Hallworth, MA, MSc, FRCPath; C.M. Sturgeon, PhD; U.H. Stenman, MD, PhD; M.J. Wheeler, PhD, FRCPath
- 76-3408 **In Pursuit of an Understanding of the Effects of Estrogen on Biomarkers in Post-Menopausal Women**, Moderator: M.M. Kimberly, PhD; R.D. Jackson, MD; J. Hsia, MD; L. Kuller, MD, PhD
- 77-3409 **Healthcare Forum**, Moderator: D. Lavanty, JD; C. Lehmann, PhD, CC(NRCC), FACB; G. Schatz, JD; J. Yost, MA, MT(ASCP); J.M. Cooper, MD

Thursday, July 29, 2004

**DISK TWELVE**

**Plenary Session**

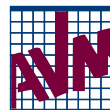
- 78-1500 **The National Kidney Disease Education Program**, T. H. Hostetter, MD

**Full-Day Edutrak Sessions**

- 79-3501 **Regulatory and Reimbursement Issues in Molecular Diagnostics: The Financial, Laboratory, Manufacturer, Payer and Legal Points of View**, Moderator: D.H. Farkas, PhD, HCLD; G.N. Rogan, MD; Joan Logue
- 80-3502 **Personalized Treatment For the Cancer Patient**, Moderator: H.A. Fritsche, PhD, M.D.; E. Krynetski, PhD, D.SC; L. Pusztai, MD, PhD, M.D.; S. Shak, MD; L. M. Demers, PhD, DABCC, FACB
- 81-3503 **Stroke: Physiology is to Clinical Management as Proteomics is to Clinical Pathology**, Moderator: R.H. Christenson, PhD, DABCC, FACB; A.H.B. Wu, PhD, DABCC; D. Laskowitz, MD; Q. Fu, PhD; E. Jauch, MD, MS
- Morning Edutrak Sessions**
- 82-3504 **Challenges in the Development of Pediatric Reference Ranges**, Moderator: C. Lee, MS; T. Mock, PhD; S. Soldin, PhD
- 83-3506 **Detecting Impaired Glomerular Filtration Rate for Assessing Chronic Kidney Disease**, Moderator: G.L. Myers, PhD, FACB; W.G. Miller, PhD; J. Coresh, MD, PhD; S. Furth, MD, PhD
- 84-3507 **The Race Against Time: Issues Surrounding Andropause**, Moderator: L. C. Rogers, PhD, DABCC, FACB; L. Marks, MD; R. V. Clark, PhD, MD; H. Rittenhouse, PhD

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