

## Annual Index

## INDEX TO VOLUME 17, NUMBERS 1 THROUGH 4

The index to volume 17 of *Clinical Laboratory Science* is composed of two parts: an Author Index and a Subject Index (p 254)

Issue	Pages
January – March	1 – 64
April – June	65 – 128
July – September	129 – 192
October – December	193 – 256

**Abbreviations Used:**

AB = Abstract  
 CP = Clinical Practice  
 DD = Dialogue and Discussion  
 FO = Focus  
 LE = Letter to Editor  
 RR = Reports and Reviews  
 RS = Research  
 TT = Trends and Technology  
 WB = Washington Beat

**AUTHOR INDEX**

**Adler, Brian K**  
 Unfractionated Heparin and Other Antithrombin Mediated Anticoagulants. 113. FO

**Al-Bawardy, Rasha**  
*Francisella tularensis*: Possible Agent in Bioterrorism. 35. FO

**Aziz, Hassan**  
 Blastomycosis: A Case Study of a Dimorphic Fungal Disease. 145. CP

**Beck, Carol**  
 Preparing Students for Scientific Research Presentations. 78. AB

**Bose, Mary J**  
 Using Cooperative Learning in Clinical Laboratory Science Education. 12. RR

**Boswell, Elizabeth**  
 Blastomycosis: A Case Study of a Dimorphic Fungal Disease. 145. CP

**Brickell, Jean**  
 Faculty Members Acceptance of Web-based Education. 88. RR  
 Statistics: Transfer of Knowledge to Application. 79. AB

**Brown, Karen A**  
 Enhancing High School Teacher and Student Awareness of the Clinical Laboratory Science Profession. 77. AB

**Bryant, Sabrina**  
 Preparing Students for Scientific Research Presentations. 78. AB

**Butch, Suzanne H**  
 Implementing Automation in the Transfusion Service. 138. AB

**Buxton, Rebecca**  
 Enhancing High School Teacher and Student Awareness of the Clinical Laboratory Science Profession. 77. AB

**Cabrera, Sandra**  
 A Comparison of Biosite Triage BNP to Roche Pro-BNP for Diagnosis of Heart Failure. 139. AB

**Carreiro-Lewandowski, Eileen**  
 Update on Selected Markers Used in Risk Assessment for Vascular Disease. 43. FO

**Chandler, Karen**  
 Faculty Members Acceptance of Web-based Education. 88. RR

**Christopher, M**  
 Effects of Chewed, Soluble, and Whole Aspirin Formulations on Platelet Aggregation Inhibition. 137. AB

**Cooper, Lawrence T**  
 Do Clot Activator Tubes Cross-contaminate Citrate Tubes? 137. AB  
 Do EDTA Tubes Cross-contaminate Gel Separator Tubes? 137. AB

**Danielson, Geoff**  
 Development of a Novel and Inexpensive Student-Centered Laboratory Information System for Medical Laboratory Science (MLS) Students. 80. AB

**Danielson, Lee**  
 Development of a Novel and Inexpensive Student-Centered Laboratory Information System for Medical Laboratory Science (MLS) Students. 80. AB

**Doig, Kathy**  
 A Student-tested Process for Textbook Selection. 79. AB

**Douglas, Sarah E**  
 Development of a Micro Erythrocyte Sedimentation Rate System with the Potential for In-Home Use. 141. CP

**Edgar, Laura Culver**  
 Comparing Frequency of Tasks Performed by Entry Level Medical Technologists with Program Directors' and Laboratory Managers' Perception of Tasks that are Essential at Career Entry. 75. AB

**Faubion, Deborah A**  
 B-Type Natriuretic Peptide and Congestive Heart Failure. 53. FO

**Fell, Linda**  
 Cultural Competency for Clinical Laboratory Science Students. 76. AB

**Fenn, JoAnn P**  
 Enhancing High School Teacher and Student Awareness of the Clinical Laboratory Science Profession. 77. AB

**Fowler, David G**  
 Barriers to Successful Completion of Clinical Laboratory Science and Clinical Laboratory Technician Programs. 74. AB  
 Development of an Automated Inventory Management System for Patient Laboratory Specimens. 136. AB

**Freeman, Vicki S**  
 Development and Incorporation of Learning Objects in a Laboratory Science Education. 139. AB  
 Faculty Members Acceptance of Web-based Education. 88. RR  
 Learning Objects in Microbiology: A New Resource. 80. AB

**Fritsma, George A**  
 Direct Thrombin Inhibitors. 118. FO  
 Do Clot Activator Tubes Cross-contaminate Citrate Tubes? 137. AB  
 Do EDTA Tubes Cross-contaminate Gel Separator Tubes? 137. AB

**Fritsma, Margaret G**  
 Clinical Correlations: A Course Designed to Interconnect Clinical Laboratory Science. 75. AB  
 Do Clot Activator Tubes Cross-contaminate Citrate Tubes? 137. AB  
 Do EDTA Tubes Cross-contaminate Gel Separator Tubes? 137. AB

**Frommelt, Pamela**  
 Comparing Frequency of Tasks Performed by Entry Level Medical Technologists with Program Directors' and Laboratory Managers' Perception of Tasks that are Essential at Career Entry. 75. AB

## 2004 INDEX

- Gallagher-Smith, Melissa**  
*Francisella tularensis*: Possible Agent in Bioterrorism. 35. FO
- Gaskin, Susan L**  
 A Swollen Eye? A Case of Rapidly Progressive Neuroblastoma. 140. AB
- Golyski, Carol A**  
 HIPPA Training for Students in a University-Based CLS Program. 77. AB
- Goodyear, Nancy**  
 Standardized Test Scores as an Admission Requirement. 19. RR  
 Using Students as Educational Research Subjects. 79. AB
- Gore, Mary Jane**  
 Trends and Technology. Fall 2004. 250. TT  
 Trends and Technology: Spring 2004. 127. TT  
 Trends and Technology: Summer 2004. 192. TT  
 Trends and Technology: Winter 2004. 64. TT
- Gorman, Linda**  
 Statistics: Transfer of Knowledge to Application. 79. AB
- Greenup, Pat**  
 Defining Research Design/Practice Competencies for Entry-Level CLS. 77. AB  
 Predictors of Service Behaviors by Clinical Laboratory Scientists. 78. AB
- Griffin, Bonnie**  
 Development of a Novel and Inexpensive Student-Centered Laboratory Information System for Medical Laboratory Science (MLS) Students. 80. AB
- Griffin, Kristina Marie**  
 Neoplasm of the Head of the Pancreas: A Case Study. 70. CP
- Hall, Margot**  
 Preparing Students for Scientific Research Presentations. 78. AB
- Hansen, Kathy**  
 16th Annual ASCLS Legislative Symposium. 131. WB  
 Are You Ready for Some Action? Giving Voice to the Value and Vision. 195. WB  
 Enforcement of CLIA and Billing Regulations. 2. WB  
 Equivalent Quality Control. 68. WB
- Henson, Gay**  
 Rapid Detection of West Nile Virus in Birds Using the VecTest® WNV Antigen Assay. 218. RS
- Hicock, Paul I**  
 Barriers to Successful Completion of Clinical Laboratory Science and Clinical Laboratory Technician Programs. 74. AB  
 Rapid Detection of West Nile Virus in Birds Using the VecTest® WNV Antigen Assay. 218. RS
- Hiller, Brandon**  
 Solving the Puzzle of Hemolysis: A Critical Role for the Laboratory. 140. AB
- Hoag, Kathleen A**  
 Assessment of Small Group Discussion of Cases Integrated into a Traditional Clinical Immunology Lecture Course. 74. AB
- Holcomb, David**  
 Faculty Members Acceptance of Web-based Education. 88. RR
- Honeycutt, Karen**  
 Applications of an Online Course Management System to Provide Consistent Clinical Educational Experiences for Clinical Laboratory Science Students Assigned to a Diverse Set of Affiliate Sites. 74. AB]
- Hoppe, Ruth**  
 Assessment of Small Group Discussion of Cases Integrated into a Traditional Clinical Immunology Lecture Course. 74. AB
- Hoyt, Karri Lynn**  
 Polycystic Ovary (Stein-Leventhal) Syndrome: Etiology, Complications, and Treatment. 155. RR
- Hudson, Jane**  
 Preparing Students for Scientific Research Presentations. 78. AB
- Jarreau, Patsy C**  
 Using Cooperative Learning in Clinical Laboratory Science Education. 12. RR
- Jeff, Linda**  
 A Recruitment Program in Clinical Laboratory Science for High School Scholars. 138. AB  
 Clinical Correlations: A Course Designed to Interconnect Clinical Laboratory Science. 75. AB
- Josko, Deborah**  
 Botulin Toxin: A Weapon in Terrorism. 30. FO  
*Francisella tularensis*: Possible Agent in Bioterrorism. 35. FO  
*Yersinia pestis*: Still a Plague in the 21st Century. 25. FO
- Kammlah, Kelli M**  
 Threadworm Infection: What Does it Take to 'Sew Up' a Diagnosis? 139. AB
- Kanuth, Michelle S**  
 Development and Incorporation of Learning Objects in Laboratory Science Education. 139. AB
- Keller, Shelia**  
 Barriers to Successful Completion of Clinical Laboratory Science and Clinical Laboratory Technician Programs. 74. AB
- Keohane, Elaine M**  
 Acquired Aplastic Anemia. 165. FO  
 Introduction to Focus Section (Bone Marrow Failure Anemias). 164. FO
- Kim, Josephine**  
*Francisella tularensis*: Possible Agent in Bioterrorism. 35. FO
- Kirchner, Phyllis**  
 Young Scholar Program – Professional Visibility. 79. AB
- Klemann, Tiffany A**  
 Secretory Antibodies' Influence upon *Candida albicans*. 140. AB
- Korzun, William**  
 Oral Creatinine Supplements Lower Plasma Homocysteine Concentrations in Humans. 102. RS
- Laatsch, Linda**  
 Young Scholar Program – Professional Visibility. 79. AB
- Lampe, Mary F**  
 Standardized Test Scores as an Admission Requirement. 19. RR
- Langdon, Susan**  
 Cultural Competency for Clinical Laboratory Science Students. 76. AB
- Larson, Carol**  
 Applications of an Online Course Management System to Provide Consistent Clinical Educational Experiences for Clinical Laboratory Science Students Assigned to a Diverse Set of Affiliate Sites. 74. AB
- Lavanty, Don**  
 16th Annual ASCLS Legislative Symposium. 131. WB  
 Are You Ready for Some Action? Giving Voice to the Value and Vision. 195. WB  
 Enforcement of CLIA and Billing Regulations. 2. WB  
 Equivalent Quality Control. 68. WB
- Lawrence, Louann W**  
 Refractory Anemia and the Myelodysplastic Syndromes. 178. FO  
 Using Cooperative Learning in Clinical Laboratory Science Education. 12. RR
- Leclair, Susan**  
 It is the Economy Attitude, Stupid. 130. ED  
 Our Future is Now. 194. ED
- Lee, Marcia R**  
 Secretory Antibodies' Influence upon *Candida albicans*. 140. AB
- Lux, Mary**  
 Preparing Students for Scientific Research Presentations. 78. AB
- Mahon, Connie R**  
 Emerging Parasitic Infections from the Arabian Gulf. 139. AB
- Malone, Katrina S**  
 Monoclonal Anti-CD 20 Antibody Used in Non-Hodgkin's Lymphoma: A Case Study. 197. CP
- Marques, Marisa B**  
 Do Clot Activator Tubes Cross-contaminate Citrate Tubes? 137. AB  
 Do EDTA Tubes Cross-contaminate Gel Separator Tubes? 137. AB

## 2004 INDEX

- Mathews-Greer, Janice**  
Human Papillomavirus Detection: Verification with Cervical Cytology. 8. RR
- McGlasson, David L**  
Acute Thrombocytopenia Following Administration of Lovenox and Aggrastat. 138. AB  
Effects of Chewed, Soluble, and Whole Aspirin Formulations on Platelet Aggregation Inhibition. 137. AB  
Oral Anticoagulants. 107. FO
- McKenzie, Shirlyn B**  
Solving the Puzzle of Hemolysis: A Critical Role for the Laboratory. 140. AB
- McLemore, M**  
Acute Thrombocytopenia Following Administration of Lovenox and Aggrastat. 138. AB
- Miller, Brianna V**  
Do Clot Activator Tubes Cross-contaminate Citrate Tubes? 137. AB  
Do EDTA Tubes Cross-contaminate Gel Separator Tubes? 137. AB
- Milson, M**  
Young Scholar Program – Professional Visibility. 79. AB
- Montoya, Isaac D**  
Assessing the Practice of Laboratory Medicine. 66. ED  
Topography as a Contextual Variable in Infectious Disease Transmission. 95. RS
- Muellerberg, Phyllis**  
Cultural Competency for Clinical Laboratory Science Students. 76. AB  
Faculty Members Acceptance of Web-based Education. 88. RR
- Myers, Shelley**  
Preparing Students for Scientific Research Presentations. 78. AB
- Neal, Marinella**  
History is Not Always a Thing of the Past. 138. AB
- Nillen, Jeannie L**  
The Use of Chlorhexidine/*n*-Propyl Gallate as a Urine Preservative. 149. RR
- Peters, Nicole**  
History is Not Always a Thing of the Past. 138. AB
- Quintana, Priscilla**  
A Comparison of Biosite Triage BNP to Roche Pro-BNP for Diagnosis of Heart Failure. 139. AB
- Randolph, Tim R**  
Advances in Acute Lymphoblastic Leukemia. 235. FO
- Reyes, Rosalina**  
Human Papillomavirus Detection: Verification with Cervical Cytology. 8. RR
- Rivette, Dorothy**  
Human Papillomavirus Detection: Verification with Cervical Cytology. 8. RR
- Roberts, George H**  
Transfusion-related Acute Lung Injury (TRALI). 133. CP
- Schmidt, Margaret C**  
Polycystic Ovary (Stein-Leventhal) Syndrome: Etiology, Complications, and Treatment. 155. RR
- Schoeff, Larry**  
Enhancing High School Teacher and Student Awareness of the Clinical Laboratory Science Profession. 77. AB
- Schwertner, HA**  
Effects of Chewed, Soluble, and Whole Aspirin Formulations on Platelet Aggregation Inhibition. 137. AB
- Skrinska, Victor A**  
A Recruitment Program in Clinical Laboratory Science for High School Scholars. 138. AB  
Do Clot Activator Tubes Cross-contaminate Citrate Tubes? 137. AB  
Do EDTA Tubes Cross-contaminate Gel Separator Tubes? 137. AB
- Smith, Larry J**  
Paroxysmal Nocturnal Hemoglobinuria. 172. FO
- Smith, Linda A**  
Threadworm Infection: What Does it Take to 'Sew Up' a Diagnosis? 139. AB
- Smith, Scott M**  
The Use of Chlorhexidine/*n*-Propyl Gallate as a Urine Preservative. 149. RR
- Snyder, Patricia**  
Using Cooperative Learning in Clinical Laboratory Science Education. 12. RR
- Spence, Libby M**  
Barriers to Successful Completion of Clinical Laboratory Science and Clinical Laboratory Technician Programs. 74. AB  
A Swollen Eye: A Case of Rapidly Progressive Neuroblastoma. 140. AB  
Monoclonal Anti-CD 20 Antibody Used in Non-Hodgkin's Lymphoma: A Case Study. 197. CP
- Stuart, J Michele**  
Enhancing High School Teacher and Student Awareness of the Clinical Laboratory Science Profession. 77. AB
- Sullivan, Robert J**  
Preparing a Digital Video Examination of Urinary Sediments. 4. CP
- Thompson, Christina**  
History is Not Always a Thing of the Past. 138. AB
- Turbat-Herrera, Elba A**  
Human Papillomavirus Detection: Verification with Cervical Cytology. 8. RR
- Vanderloos, Catherine R**  
Human Papillomavirus Detection: Verification with Cervical Cytology. 8. RR
- Wall, Joey Petrella**  
Preparing a Digital Video Examination of Urinary Sediments. 4. CP
- Ward-Cook, Kory**  
Comparing Frequency of Tasks Performed by Entry Level Medical Technologists with Program Directors' and Laboratory Managers' Perception of Tasks that are Essential at Career Entry. 75. AB
- Weiss, Sandra M**  
Assessing Students' Cognitive Ability Using a Hybrid Instructional Model. 136. AB
- Wiggers, Tom**  
Barriers to Successful Completion of Clinical Laboratory Science and Clinical Laboratory Technician Programs. 74. AB  
Monoclonal Anti-CD 20 Antibody Used in Non-Hodgkin's Lymphoma: A Case Study. 197. CP
- Williams, Gail S**  
Comparison of Medical Terminology Class Academic Performance with or without an Online Blackboard™ Component. 76. AB
- Williams, J Lynne**  
Advances in Understanding the Molecular Pathogenesis of Neoplastic Hematologic Disorders. 221. FO  
The Myelodysplastic Syndromes and Myeloproliferative Disorders. 223. FO
- Williams, Kendra**  
Modes of Transmission for West Nile Virus. 56. LE
- Woeste, Lori**  
Clinical Laboratory Science Curriculum: A Method for Introduction of Cultural Competency. 75. AB
- Wu, Alan HB**  
The Role of Cardiac Troponin in the Recent Redefinition of Acute Myocardial Infarction. 50. FO

## SUBJECT INDEX

### ABO problems

ABO Problems: History is Not Always a Thing of the Past. 138. AB

### Acquired aplastic anemia

Acquired Aplastic Anemia. 165. FO

### Acute lymphoblastic leukemia

Advances in Acute Lymphoblastic Leukemia. 235. FO

- ALL**  
Advances in Acute Lymphoblastic Leukemia. 235. FO
- Ambient temperature**  
The Use of Chlorhexidine/*n*-Propyl Gallate as a Urine Preservative. 149. RR
- Amenorrhea**  
Polycystic Ovary (Stein-Leventhal) Syndrome: Etiology, Complications, and Treatment. 155. RR
- AMI**  
The Role of Cardiac Troponin in the Recent Redefinition of Acute Myocardial Infarction. 50. FO
- Anemia**  
Acquired Aplastic Anemia. 165. FO
- Aptitude tests**  
Standardized Test Scores as an Admission Requirement. 19. RR
- Assessing laboratory medicine**  
Assessing the Practice of Laboratory Medicine. 66. ED
- Behavior predictors**  
Predictors of Service Behaviors by Clinical Laboratory Scientists. 78. AB
- Billing regulations**  
Enforcement of CLIA and Billing Regulations. 2. ED
- Bioterrorism**  
Botulin Toxin: A Weapon in Terrorism. 30. FO  
*Francisella tularensis*: Possible Agent in Bioterrorism. 36. FO  
*Yersinia pestis*: Still a Plague in the 21st Century. 25. FO
- Black death**  
*Yersinia pestis*: Still a Plague in the 21st Century. 25. FO
- Blastomyces dermatitidis**  
Blastomycosis: A Case Study of a Dimorphic Fungal Disease. 145. CP
- Blastomycosis**  
Blastomycosis: A Case Study of a Dimorphic Fungal Disease. 145. CP
- Blood sedimentation**  
Development of a Micro Erythrocyte Sedimentation Rate System with the Potential for In-Home Use. 141. CP
- Botulism**  
Botulin Toxin: A Weapon in Terrorism. 30. FO
- B-type natriuretic peptide**  
B-Type Natriuretic Peptide and Congestive Heart Failure. 53. FO
- Bubonic plague**  
*Yersinia pestis*: Still a Plague in the 21st Century. 25. FO
- Candida albicans**  
Secretory Antibodies Influence upon *Candida albicans*. 140. AB
- Capillary-erythrocyte sedimentation rate**  
Development of a Micro Erythrocyte Sedimentation Rate System with the Potential for In-Home Use. 141. CP
- Cardiac marker**  
The Role of Cardiac Troponin in the Recent Redefinition of Acute Myocardial Infarction. 50. FO
- Census tracts**  
Topography as a Contextual Variable in Infectious Disease Transmission. 95. RS
- Cervical cytology**  
Human Papillomavirus Detection: Verification with Cervical Cytology. 8. RR
- Cervical dysplasia**  
Human Papillomavirus Detection: Verification with Cervical Cytology. 8. RR
- Childhood leukemia**  
Advances in Acute Lymphoblastic Leukemia. 235. FO
- Clinical correlations**  
A Course Designed to Interconnect Clinical Laboratory Science. 75. AB
- Clinical laboratory sciences**  
Faculty Members Acceptance of Web-based Education. 88. RR
- Clinical laboratory science awareness**  
Enhancing High School Teacher and Student Awareness of the Clinical Laboratory Science Profession. 77. AB
- Clostridium botulinum**  
Botulin Toxin: A Weapon in Terrorism. 30. FO
- Coagulation**  
Direct Thrombin Inhibitors. 118. FO
- Coagulation**  
Oral Anticoagulants. 107. FO
- Coagulation**  
Unfractionated Heparin and Other Antithrombin Mediated Anticoagulants. 113. FO
- College admission test**  
Standardized Test Scores as an Admission Requirement. 19. RR
- Congestive heart failure**  
B-Type Natriuretic Peptide and Congestive Heart Failure. 53. FO
- Cooperative learning**  
Using Cooperative Learning in Clinical Laboratory Science Education. 12. RR
- Coronary heart disease**  
Update on Selected Markers Used in Risk Assessment for Vascular Disease. 43. FO
- Courvoisier gallbladder**  
Neoplasm at the Head of the Pancreas: A Case Study. 70. CP
- Creatine**  
Oral Creatine Supplements Lower Plasma Homocysteine Concentrations in Humans. 102. RS
- Cultural competency**  
Cultural Competency for Clinical Laboratory Science Students. 79. AB
- Curriculum**  
Clinical Laboratory Science Curriculum: A Method for Introduction of Cultural Competency. 75. AB
- Dimorphic fungal disease**  
Blastomycosis: A Case Study of a Dimorphic Fungal Disease. 145. CP
- Drug user**  
Topography as a Contextual Variable in Infectious Disease Transmission. 95. RS
- Editorials**  
Assessing the Practice of Laboratory Medicine. 66. ED  
It is the Economy Attitude, Stupid. 130. ED  
Our Future is Now. 194. ED
- Education**  
Assessing Student's Cognitive Ability Using a Hybrid Instructional Model. 136. AB  
Development and Incorporation of Learning Objects in Laboratory Science Education. 139. AB
- Entry level skills**  
Comparing Frequency of Tasks Performed by Entry Level Medical Technologists with Program Directors' and Laboratory Managers' Perception of Tasks that are Essential at Career Entry. 75. AB  
Defining Research Design/Practice Competencies for Entry Level CLS. 77. AB
- Erythrocyte sedimentation rate**  
Development of a Micro Erythrocyte Sedimentation Rate System with the Potential for In-Home Use. 141. CP
- Faculty**  
Faculty Members Acceptance of Web-based Education. 88. RR
- Follicle stimulating hormone**  
Polycystic Ovary (Stein-Leventhal) Syndrome: Etiology, Complications, and Treatment. 155. RR
- Francisella tularensis**  
*Francisella tularensis*: Possible Agent in Bioterrorism. 36. FO
- Heart failure**  
A Comparison of Biosite Triage BNP to Roche Pro-BNP for Diagnosis of Heart Failure. 139. AB
- Hematopoietic stem cells**  
The Myelodysplastic Syndromes and Myeloproliferative Disorders. 223. FO
- Hemolysis**  
Solving the Puzzle of Hemolysis: A Critical Role for the Laboratory. 140. AB



## 2004 INDEX

### Hemostasis

Neoplasm at the Head of the Pancreas: A Case Study. 70. CP

### Heparin

Unfractionated Heparin and Other Antithrombin Mediated Anticoagulants. 113. FO

### HIPPA training

HIPPA Training for Students in a University-based CLS Program. 77. AB

### HIV

Topography as a Contextual Variable in Infectious Disease Transmission. 95. RS

### Homocysteine

Oral Creatine Supplements Lower Plasma Homocysteine Concentrations in Humans. 102. RS

### HPV

Human Papillomavirus Detection: Verification with Cervical Cytology. 8. RR

### Human

Oral Creatine Supplements Lower Plasma Homocysteine Concentrations in Humans. 102. RS

### Hyperandrogenism

Polycystic Ovary (Stein-Leventhal) Syndrome: Etiology, Complications, and Treatment. 155. RR

### Immunophenotyping

Monoclonal Anti-CD 20 Antibody Used in Non-Hodgkin's Lymphoma: A Case Study. 197. CP

### Infectious diseases

Topography as a Contextual Variable in Infectious Disease Transmission. 95. RS

### Infertility

Polycystic Ovary (Stein-Leventhal) Syndrome: Etiology, Complications, and Treatment. 155. RR

### Information system

Development of a Novel and Inexpensive Student-Centered Laboratory Information System for Medical Laboratory Science (MLS) Students. 80. AB

### Instructional methods

Using Cooperative Learning in Clinical Laboratory Science Education. 12. RR

### Inventory management

Development of an Automated Inventory Management System for Patient Laboratory Specimens. 136. AB

### ISI

Oral Anticoagulants. 107. FO

### Learning assessment

Assessment of Small Group Discussion of Cases Integrated into a Traditional Clinical Immunology Lecture Course. 74. AB

### Learning barriers

Barriers to Successful Completion of Clinical Laboratory Science and Clinical Laboratory Technician Programs. 74. AB

### Legislative Symposium

16th Annual Legislative Symposium. 131. WB

### Lutenizing hormone

Polycystic Ovary (Stein-Leventhal) Syndrome: Etiology, Complications, and Treatment. 155. RR

### Lymphoproliferative disorders

Monoclonal Anti-CD 20 Antibody Used in Non-Hodgkin's Lymphoma: A Case Study. 197. CP

### Medicare Reform Bill

Are Your Ready for Some Action? Giving Voice to the Value and Vision. ??? WB

### Microbiology

Learning Objects in Microbiology: A New Resource. 80. AB

### Microscopic analysis

Preparing a Digital Video Examination of Urinary Sediments. 4. CP

### Myelodysplastic syndrome

Acquired Aplastic Anemia. 165. FO  
Refractory Anemia and the Myelodysplastic Syndromes. 178. FO  
The Myelodysplastic Syndromes and Myeloproliferative Disorders. ??? FO

### Myeloproliferative disorders

The Myelodysplastic Syndromes and Myeloproliferative Disorders. ??? FO

### Neuroblastoma

A Swollen Eye? A Case of Rapidly Progressive Neuroblastoma. 140. AB

### Neurotoxin

Botulin Toxin: A Weapon in Terrorism. 30. FO

### Non-Hodgkin's lymphoma

Monoclonal Anti-CD 20 Antibody Used in Non-Hodgkin's Lymphoma: A Case Study. 197. CP

### OAT

Oral Anticoagulants. 107. FO

### Obstructive jaundice

Neoplasm at the Head of the Pancreas: A Case Study. 70. CP

### Pancreatic neoplasm

Neoplasm at the Head of the Pancreas: A Case Study. 70. CP

### Parasite

Emerging Parasitic Infections from the Arabian Gulf. 139. AB

### Paroxysmal nocturnal hemoglobinuria

Acquired Aplastic Anemia. 165. FO  
Paroxysmal Nocturnal Hemoglobinuria. 172. FO

### Pediatric leukemia

Advances in Acute Lymphoblastic Leukemia. 235. FO

### Platelet Inhibition

Effects of Chewed, Soluble, and Whole Aspirin Formulations on Platelet Aggregation Inhibition. 137. AB

### Polycystic

Polycystic Ovary (Stein-Leventhal) Syndrome: Etiology, Complications, and Treatment. 155. RR

### Prescription Drug and Modernization Act of 2003 (HR1)

Are Your Ready for Some Action? Giving Voice to the Value and Vision. 195. WB

### Quality control

Equivalent Quality Control. 68. WB

### Recruitment

A Recruitment Program in Clinical Laboratory Science for High School Scholars. 138. AB

### Refractory syndrome

Refractory Anemia and the Myelodysplastic Syndromes. 178. FO

### Research subjects

Using Students as Educational Research Subjects. 79. AB

### Rituxan®

Monoclonal Anti-CD 20 Antibody Used in Non-Hodgkin's Lymphoma: A Case Study. 197. CP

### School admission criteria

Standardized Test Scores as an Admission Requirement. 19. RR

### Sedimentation rate

Development of a Micro Erythrocyte Sedimentation Rate System with the Potential for In-Home Use. 141. CP

### Specimen contamination

Do Clot Activator Tubes Cross-contaminate Citrate Tubes? 137. AB  
Do EDTA Tubes Cross-contaminate Gel Separator Tubes? 137. AB

### Statistics

Statistics: Transfer of Knowledge to Application. 79. AB

### Student preparation

Preparing Students for Scientific Research Presentations. 78. AB

### Student selection

Standardized Test Scores as an Admission Requirement. 19. RR

### Systemic fungi

Blastomycosis: A Case Study of a Dimorphic Fungal Disease. 145. CP

### Teaching aids

Comparison of Medical Terminology Class Academic Performance with or without an Online Blackboard™ Component. 76. AB

## 2004 INDEX

### Teaching strategies

Using Cooperative Learning in Clinical Laboratory Science Education. 12. RR

### Text selection

A Student-tested Process for Textbook Selection. 79. AB

### Threadworm infection

Threadworm Infection: What Does it Take to 'Sew Up' a Diagnosis. 139. AB

### Thrombin inhibitors

Direct Thrombin Inhibitors. 118. FO

### Thrombocytopenia

Acute Thrombocytopenia following Administration of Lovenox and Aggrastat. 138. AB

### Topography

Topography as a Contextual Variable in Infectious Disease Transmission. 95. RS

### TRALI

Transfusion-related Acute Lung Injury (TRALI). 133. CP

### Transfusion

Implementing Automation in the Transfusion Service. 138. AB

Transfusion-related Acute Lung Injury (TRALI). 133. CP

### Troponin

The Role of Cardiac Troponin in the Recent Redefinition of Acute Myocardial Infarction. 50. FO

### Tularemia

*Francisella tularensis*: Possible Agent in Bioterrorism. 36. FO

### Urinalysis

Preparing a Digital Video Examination of Urinary Sediments. 4. CP

### Urine preservative

The Use of Chlorhexidine/*n*-Propyl Gallate as a Urine Preservative. 149. RR

### Virus testing

Rapid Detection of West Nile Virus in Birds Using the VecTest® WNV Antigen Assay. 218. RS

### Web education

Faculty Members Acceptance of Web-based Education. 88. RR

### West Nile virus

Modes of Transmission for West Nile Virus. 56. LE

Rapid Detection of West Nile Virus in Birds Using the VecTest® WNV Antigen Assay. 218. RS

### *Yersinia pestis*

*Yersinia pestis*: Still a Plague in the 21st Century. 25. FO

### Young Scholar

Young Scholar Program – Professional Visibility. 79. AB

## TRENDS AND TECHNOLOGY

### *(Trends and Technology continued)*

myocardial infarction and assessment of heart failure severity in patients diagnosed with congestive heart failure. The test is available for use on the ADVIA Centaur and ACS:180 Immunoassay Systems. Contact Linda Langendonk at (914) 366-1816.

### CUTTING EDGE

Genstruct Inc, a knowledge-driven discovery company, presented findings from one of its independent discovery programs at IBC Life Sciences' 9th Annual Drug Discovery Technology World Congress held August 8–13 in Boston. Dexter Pratt, project leader for Genstruct's Oncology Program, outlined the program's findings describing both probable molecular causes and mechanisms involved in androgen-dependent prostate carcinoma. To define the molecular causes of prostate carcinoma, Genstruct has utilized its Molecular Epistemics™ discovery platform to build and interrogate an Oncology Knowledge Assembly™ model

using computer-aided causal reasoning. The model includes the knowledge of cell cycle, cell signaling, vesicle trafficking, metabolism, and gene regulation. It is the largest and most complete computable model of prostate carcinoma ever assembled. Contact Karen Higgins at (610) 831-5723 or khiggins@aandecom.com.

With more than \$20 billion distributed to states and localities to help them upgrade their security efforts, and another \$1 billion earmarked by the inter-agency Technical Support Working Group as seed funding for technology projects around the country, the homeland security effort has fostered a new wave of technological innovations. Many of these new technologies were the subject of discussion and on display at The McGraw-Hill Companies' Homeland Security Summit & Exposition in Washington DC. From biodetectors and biometrics to wearable computers and "what-if" scenario

software, nearly 100 companies displayed their products and services. Information is available at PERLINK [www.mcgraw-hill.com](http://www.mcgraw-hill.com) or contact Mary Skafidas at (212) 512-2826.

During the opening ceremony at the International Analytica Trade Fair in Munich, Germany, the German Society for Biochemistry and Molecular Biology awarded the "Molecular Bioanalytics" prize for 2004. This year, the prize went to American Dr Stephen PA Fodor, British Professor Sir Edwin Southern, and Russian Professor Andrei Mirzabekov (posthumously) for their fundamental contributions to the development of microarray technology (DNA chip). Individual DNA segments are affixed to a glass surface, thereby functioning as so-called probes. Each probe detects a specific gene sequence. The sequences bind to the probe by hybridization. Gene chips are a premier example of miniaturization and automation in bioanalytics and medicine.