



REPORT OF THE 101st ANNUAL MEETING OF
THE UNITED STATES AND CANADIAN ACADEMY OF PATHOLOGY
March 17-23, 2012 - Vancouver, British Columbia, Canada

The 101st Annual Meeting of the USCAP was held in Vancouver, British Columbia and was by all accounts a resounding success.

The General Registration of the meeting was the highest in the history of USCAP **attendance-4458**. For the past ten years we have regularly had 3000-to over 4400 physician-pathologists or more in attendance. 1131 of the registrants/attendees at the Vancouver meeting were from countries outside of the US and Canada. The countries (and the number of international visitors from each country) included: **Japan (121)**, Brazil (81), United Kingdom (78), Australia (73), Spain (72), Germany (59), France (57), S. Korea (46), Netherlands (44), Italy (43), Switzerland (42), China (29), Mexico (28), Taiwan (28), Austria (26), Turkey (24), Saudi Arabia (22), Ireland (40), Argentina (20), Singapore (13), New Zealand (11), Colombia (10), Hong Kong (10), Chile (10), and all the other countries 1-10 friends.

Thus, *in toto*, 1131 international visitors from 67 countries outside of the USA and Canada were in attendance (25 % of our total registrants).

3083 scientific abstracts were submitted for evaluation; this was the most in our history. The quality of the submitted abstracts remains very high. A record total of **2176** were accepted after "blind" peer review (71%), 1580 of which were poster presentations. This is also our highest number ever accommodated.

54% of submitted scientific abstracts had a first author who is a pathologist-in-training similar to that seen in recent years

713 registrants attended the Long Course entitled " Building On The Past, Moving To the Future " by Course Directors: Drs. Steven Swerdlow and Elias Campo. This well-attended Long Course was well received

Sixty half-day Short Courses were presented and very well attended (with a total registration of Short Courses taken being **5495** (the highest in history; 2010 was the previous record at 5186)

Six Special Courses were offered:

"A Practical Guide to Molecular Testing in Cancer" (headed by Dr. Julia Bridge (Univ. Nebraska) was "sold out" attracting virtually a maximum room number of 495 registrants on Monday. This course has a CD in addition to the extensive syllabus.

Advanced Molecular Pathology course (headed by Dr. Frederic Barr, Univ. of Pennsylvania) on Tuesday attracted 252 registrants and included a CD in addition to the extensive syllabus (the third highest in history).

A course in its third year entitled "Careers in Investigative Pathology" directed by Drs. Massimo Loda (Brigham & Women's/Dana Farber) and David Berman (Johns Hopkins) was entitled "Get Published". This course attracted 107 attendees.

In addition Dr. Sharon Weiss (Emory University) gave a course entitled "Navigating the Academic Waters: A Survival Course for Residents/Junior Faculty". It also was "sold out" with 104 attendees.

Another Special Courses was Dr. Tarik Elsheikh's (Cleveland Clinic) day -long Basic Principles of Cytology which had 346 registrants.

Finally, Dr. Jennifer Hunt's (Univ. Arkansas) new course entitled **Introduction to Molecular Pathology for the Practicing Pathologist** which had 264 registrants

Thus the three Molecular Courses had over 1,000 attending pathologists.

SPECIAL COURSE Monday, March 19, 2012 — 7:50 AM - 1:00 PM

A PRACTICAL GUIDE TO MOLECULAR TESTING IN CANCER

COURSE DIRECTORS: Julia A. Bridge, M.D., FACMG University of Nebraska Medical Center Omaha, NE

7:50 AM Introduction Julia A. Bridge, MD, University of Nebraska Medical Center,

8:00 AM Clinical Cytogenetic and Molecular Genetic Testing in **Bone and Soft Tissue**

Tumors Julia A. Bridge, MD, University of Nebraska Medical Center, Omaha, NE

8:40 AM Molecular Testing in the Management of Patients with **Breast Cancer:**

Current Status and Future Directions Stuart J. Schnitt, MD, Beth Israel Deaconess Medical Center, Boston, MA .

9:10 AM Molecular Markers for Targeted **Lung Cancer** Therapy

John Iafrate, MD, PhD, Massachusetts General Hospital, Boston, MA .

9:40 AM Clinical Applications of Recent Molecular Advances in **Urologic Malignancies:**

No Longer Chasing a “Mirage” George J. Netto, MD, Johns Hopkins University, Baltimore, MD .

10:40 AM Molecular Diagnostics of **Lymphoma:** Assays for Classification, Outcome Prediction and Therapy Response Dan Jones, MD, PhD, Quest Diagnostics Nichols Institute, Chantilly, VA .

11:20 AM GIST and Melanoma: The **KIT Connection** and So Much More

Alexander Lazar, MD, PhD, University of Texas M. D. Anderson Cancer Center, Houston, .

11:50 AM **Colorectal Cancer:** Molecular Testing for the Surgical Pathologist

Kevin C. Halling, MD, PhD, Mayo Clinic, Rochester, MN

12:20 PM Molecular Diagnostics of **Thyroid Cancer** Yuri E. Nikiforov, MD, PhD,

University of Pittsburgh, UPMC Presbyterian, Pittsburgh, PA .

SPECIAL COURSE Monday, March 19, 2012 — 8:00 AM - 4:30 PM
**INTRODUCTION TO MOLECULAR PATHOLOGY FOR THE PRACTICING
PATHOLOGIST: TECHNOLOGY, ASSAY INTERPRETATION, AND PITFALLS**

COURSE DIRECTORS: Jennifer L. Hunt, M.D., M.Ed.

8:00 AM Introduction to Basic Molecular Pathology Techniques: Fixation, Microdissection, and Polymerase Chain Reaction-Based Assays

Jennifer L. Hunt, MD, MEd, University of Arkansas for Medical Sciences, Little Rock, AR

9:15 AM Loss of Heterozygosity and Microsatellite Instability in Tumors: Mechanisms, Testing, and Clinical Implications Wade S. Samowitz, MD, University of Utah Health Sciences Center, Salt Lake City, UT

10:00 AM Break: Poster Viewing 10:45 AM **Applications of Tissue Genotyping in the Routine Practice of Surgical Pathology**

Pei Hui, MD, PhD, Yale University School of Medicine, Shelton, CT

11:45 AM Lunch 12:45 PM Copy Number Detection by Chromosomal Microarray Analysis Long Phi Le, MD, PhD, Massachusetts General Hospital, Boston, MA

1:30 PM Introduction to In Situ Hybridization Technology, Interpretation, and Pitfalls Long Phi Le, MD, PhD, Massachusetts General Hospital, Boston, MA

2:00 PM HPV Detection: **Testing Methodologies and Their Clinical Utility** Jennifer Laudadio, MD, Wake Forest University Baptist Medical Center, Winston-Salem, NC

2:30 PM Principles and Applications of Real-Time Quantitative PCR Janina A. Longtine, MD, Brigham and Women's Hospital and Harvard Medical School, Boston, MA

3:00 PM Break 3:30 PM **Sequencing To Detect Oncogene Mutations in Clinical Anatomic Pathology Applications** Jennifer L. Hunt, MD, MEd, University of Arkansas

Sixty half-day Short Courses

Many courses dealt with practical diagnoses of organs

09. Integrating Morphology and Molecular Techniques in Breast Pathology: A Guide for the Practicing Pathology

Stuart J. Schnitt M.D., Beth Israel Deaconess Medical Center and
Jennifer L. Hunt M.D., University of Arkansas for Medical Sciences, Little Rock, AK

38. Molecular Testing in Cancer: Moving into a New Era of Practice

George M. Yousef, M.D., Ph.D, FRCP, and Serge Jothy, M.D., Ph.D, FRCP,
St. Michael's Hospital, and the University of Toronto, Toronto, Canada

56. Morphologic, Immunohistochemical and Molecular Analysis in the Diagnosis of Soft Tissue Tumors: An Integrated Approach

Andrea T. Deyrup, M.D., Ph.D., Pathology Associates of Greenville, Greenville, SC,
and Elizabeth A. Montgomery, M.D., Johns Hopkins University, Baltimore, MD

Immunohistochemistry

35. Diagnostic Immunohistochemistry: Plagued with Potential Problems but Pregnant with Possibilities

Allen M. Gown, M.D., PhenoPath Laboratories, Seattle,

Immunohistochemistry (IHC) is widely and integrally employed in surgical pathology, and has become critical in many diagnostic settings. The first part of this short course updates pathologists on many of the problems relating to preanalytical, analytical, and postanalytical (interpretive) factors that can potentially lead to incorrect interpretations and diagnoses. These factors include incorporating the correct antibodies into the diagnostic panel, optimal fixation and epitope retrieval techniques, misinterpretation of immunostained slides and misinterpretation of the significance of selected immunostaining results. The second part of the course is a series of case studies highlighting the impact of IHC on tumor diagnosis, using the examples of: (a) carcinoma of unknown primary arising in the liver; (b) small, blue round cell tumor in the nasopharynx; (c) spindle cell tumor in the lung. Discussion will be focused on selection of optimal antibody panels to maximize sensitivity and specificity. The third part of the course is a review of the utility and application of several novel IHC markers, including napsin A (lung cancer), INI1 (epithelioid sarcoma and rhabdoid tumors), PAX8 (ovarian tumors), arginase 1 (hepatocellular carcinoma), beta catenin (subset of mesenchymal tumors) and TLE1 (synovial sarcoma). (NEW COURSE) This course may be used for CME credits or SAM credits.

Twentysix Companion Societies presented their educational endeavors on Saturday night and Sunday. This year we have two new added USCAP Companion Societies: Association for Pathology Informatics (API) and the Association of Veterinary Pathology. The total number of registrants (registrants x courses) was 6737, by far and away the highest in our history (67% of all attendees attended at least one Companion Society Symposium). This year was our seventh year for the Companions and the Specialties to go "paperless". All of the Companion Society handouts were placed on the USCAP website at least two weeks before the meeting.

COMPANION MEETINGS

College of American Pathologists

Bridging the Divide Between Molecular and Surgical Pathology

Arthur Purdy Stout Society of Surgical Pathologists

Familial Cancer Syndromes: The Role of the Surgical Pathologist

American Society for Investigative Pathology In Coordination With Association for Molecular Pathology joint session with American Society for Clinical Pathology

Genomic Pathology in Clinical Diagnostics: Promises and Pitfalls of New Technologies

Society for Hematopathology

Novel Insights of High-throughput Technologies in Hematopoietic Conditions

Association for Molecular Pathology Joint Meeting with American Society for Clinical Pathology In Coordination With American Society for Investigative Pathology

Genomic Pathology in Clinical Diagnostics: Promises and Pitfalls of New Technologies

COMPANION MEETINGS

American Association of Neuropathologists

Saturday, March 17, 2012 — 7:00 p.m. — Contemporary Surgical Neuropathology:

New Models and Molecular Diagnostics

7:00 Opening Remarks: The Historic 101st Annual Meeting: -

Gregory Fuller, MD Anderson Cancer Center, Houston, TX

7:10 Virtual Diagnostics in Surgical Pathology - Sylvia Asa, University Health Network, Toronto, ON, Canada

7:50 Molecular Diagnosis of Diffuse Gliomas - Craig Horbinski, University of Kentucky, Lexington, KY

8:30 Recent Advances in Medulloblastoma and Pilocytic Astrocytoma - Daniel J. Brat, Emory University Hospital, Atlanta, GA

9:10 Surgical and Molecular Diagnosis of Peripheral Nerve Sheath Tumors - Arie Perry, University of California San Francisco, San Francisco, CA

COMPANION MEETINGS

American Association of Ophthalmic Oncologists and Pathologists

Saturday, March 17, 2012 — 7:00 p.m. —

Update on Molecular Mechanisms Relevant to Orbital Pathology

7:00 Introduction - Valerie A. White, Vancouver General Hospital, Vancouver, BC, Canada

7:05 Update on Inflammatory Mechanisms Pertinent to Orbital Disease - Victor Elner, University of Michigan-Kellogg Eye Center, Ann Arbor, MI

7:35 Update on **Molecular Pathology** of Ocular Adnexal Lymphomas - Graham Slack, British Columbia Cancer Agency, Vancouver, BC, Canada

8:05 Update on **Molecular Mechanisms** in Sarcomas That Occur in the Orbit – Tatyana Milman, The New York Eye and Ear Infirmary, New York, NY

8:35 Update on **Molecular Pathology** in Lacrimal/Salivary Gland Tumors - Valerie A. White, Vancouver General Hospital, Vancouver, BC, Canada

9:05 Update on **Molecular Pathology** of Optic Nerve Tumors - Fausto J. Rodriguez, Johns Hopkins University, Baltimore, MD

COMPANION MEETINGS

American College of Veterinary Pathologists

Saturday, March 17, 2012 — 7:00 p.m. —

Veterinary Neoplasia: One Medicine at the Diagnostic Level

Moderator: John M. Cullen, North Carolina State University, Raleigh, NC

7:00 Lymphoma and the One Health Paradigm - Luke Borst, North Carolina State University College of Veterinary Medicine, Raleigh, NC

7:40 Diverse Presentations of Papillomavirus Infections in Animals - Keith Linder, North Carolina State University College of Veterinary Medicine, Raleigh, NC

**8:20 Advances in Molecular Pathology for the Diagnosis and Prognosis of Canine—
Cancer—a Comparative View - Rebecca Smedley, Michigan State University, Lansing, MI**

COMPANION MEETINGS

Endocrine Pathology Society

Saturday, March 17, 2012 — 7:00 p.m. —

Minimizing Gray Zones in Diagnosis of Endocrine Lesions

Moderators: George Kontogeorgos, Athens General Hospital, Athens, Greece and Vania Nose, University of Miami School of Medicine, Miami, FL

7:00 Diagnostic Dilemmas in Adrenal Hyperplasia / Adenoma / Carcinoma –
Anne Marie McNicol, UQCCR, Royal Brisbane and Women's Hospital, Herston,
Brisbane, Australia

7:40 Interphase Among Normal, Hyperplastic and Neoplastic Parathyroids —
A Modern Approach - Virginia LiVolsi, University of Pennsylvania, Philadelphia, PA

8:20 Overlapping of Neuroendocrine Hyperplasia / Tumor / Carcinoma –
Guenter Kloppel, Technische Universitat Munchen, Klinikum rechts der Isar, Munchen,
Deutschland

9:00 Morphologic and Molecular Gray Zones in Thyroid Proliferative Disorders –
Sylvia L. Asa, University of Toronto, Toronto, Ontario, Canada

COMPANION MEETINGS

Papanicolaou Society of Cytopathology in Coordination with American Society of Cytopathology Saturday, March 17, 2012 — 7:00 p.m. —

Diagnosing Lung Carcinoma in the Era of Personalized Medicine: Clinical, Pathologic, and Molecular Aspects

Moderator: Matthew A. Zarka, Mayo Clinic Arizona, Scottsdale, AZ

7:00 Introduction - Matthew A. Zarka, Mayo Clinic Arizona, Scottsdale, AZ

7:15 Clinical Approach to Cytologic and Histologic Sampling in the Patient with Lung Cancer - Robert Viggiano, Mayo Clinic Arizona, Scottsdale, AZ

7:50 Practical Approach to the Diagnosis and Management of Nonsmall Cell Lung Cancer Encountered in Limited Biopsy Samples (Transbronchial and Needle Core) – Kevin O. Leslie, Mayo Clinic Arizona, Scottsdale, AZ

8:25 AMP—CAP—IASLC Guidelines for Molecular Testing of Lung Adenocarcinoma – Neal Lindeman, Harvard Medical School, Boston, MA

9:00 Respiratory Tract Cytology: From Basic Morphology to Advanced Molecular Analysis - Kim R. Geisinger, Wake Forest Baptist Medical Center, Winston-Salem, NC

COMPANION MEETINGS

Pulmonary Pathology Society

Saturday, March 17, 2012 — 7:00 p.m. — **Pulmonary Pathology Practice Guidelines**

Moderators: Andrew Churg, University of British Columbia, Vancouver, BC, Canada;
Lucian Chirieac, Brigham & Women's Hospital, Boston, MA and Keith Kerr,
Aberdeen University School of Medicine, Aberdeen, Scotland

7:00 CAP/IASLC/AMP **Guidelines for Lung Carcinoma Molecular Testing** - Phillip Cagle,
The Methodist Hospital, Houston, TX 7:45 Discussion, Question and Answer

8:00 ATS/ERS/JRS/ALAT Guidelines for Diagnosis and Management of Idiopathic
Pulmonary Fibrosis - Thomas Colby, Mayo Clinic Scottsdale, Scottsdale, AZ

8:45 Discussion, Question and Answer 9:00 The International Mesothelioma Interest
Group Guidelines for Pathologic Diagnosis of Malignant Mesothelioma –
Aliya N. Husain, University of Chicago, Chicago, IL

COMPANION MEETINGS

Arthur Purdy Stout Society of Surgical Pathologists

Sunday, March 18, 2012 — 8:30 a.m. —

Familial Cancer Syndromes: The Role of the Surgical Pathologist

Moderators: Vania Nose, University of Miami Miller School of Medicine, Miami, FL and Jason L. Hornick, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

8:30 Introduction - Christopher D. M. Fletcher, Brigham and Women's Hospital, Boston, MA and Vania Nose, University of Miami, Miami, FL and Jason L. Hornick, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

8:40 Familial Cancer Syndromes Involving the GI Tract - Joel Greenson, University of Michigan, Ann Arbor, MI

9:20 Familial Cancer Syndromes Involving the Breast - Jorge Reis-Filho, Institute of Cancer Research, London, U.K.

9:40 Familial Cancer Syndromes Involving the Ovary - Christopher P. Crum, Brigham and Women's Hospital, Boston, MA 10:00 Break

10:40 Familial Cancer Syndromes Involving the Endocrine System - Sylvia Asa, University of Toronto, Toronto, Canada

11:20 Familial Cancer Syndromes Involving the Peripheral Nervous System - Cristina Antonescu, Memorial Sloan-Kettering Cancer Center, New York, NY

11:40 Familial Cancer Syndromes Involving the Kidney - Jesse McKenney, Stanford School of Medicine, Stanford, CA

COMPANION MEETINGS

Binford-Dammin Society of Infectious Disease Pathologists Joint Meeting with Society for Ultrastructural Pathology

Sunday, March 18, 2012 — 8:30 a.m. — Pitfalls in the Diagnosis of Infectious Diseases:

The Case for a Multidisciplinary Approach

Moderators: Michael L. Wilson, Denver Health Medical Center, Denver, CO and David N. Howell, Duke University Medical Center, Durham VA Medical Center, Durham, NC

8:30 Overview of Diagnostic Approaches to Infectious Diseases - Sebastian B. Lucas, Guy's King's and St. Thomas Hospital, London

8:50 Viral Pathogens and Impostors: Who's Who in the Electron Microscope - Sara E. Miller, Duke University Medical Center, Durham, NC

9:25 Immunohistochemical Diagnosis of Infections - Danny A. Milner, Brigham and Women's Hospital and Harvard Medical School, Boston, MA

10:00 Break 10:30 The Role of In Situ Hybridization in the Diagnosis of Infectious Diseases - Kathleen Montone, Hospital of the University of Pennsylvania, Philadelphia, PA

11:00 Molecular Diagnosis of Infectious Disorders - Gary Procop, Cleveland Clinic, Cleveland, OH

COMPANION MEETINGS

College of American Pathologists

Sunday, March 18, 2012 — 8:30 a.m. —

Bridging the Divide Between Molecular and Surgical Pathology

Moderators: Terence J. Colgan, Mt. Sinai Hospital, Toronto, ON, Canada and
Jennifer L. Hunt, University of Arkansas for Medical Sciences, Little Rock, AR

8:30 Introduction - Terence J. Colgan, Mt. Sinai Hospital, Toronto, ON, Canada and
Jennifer L. Hunt, University of Arkansas Medical Center, Little Rock, AR

8:40 Pre—analytic Variables in Molecular Testing - Philip A. Branton, National
Cancer Institute, Rockville, MD

9:10 Carcinoma of Unknown Primary Site — Is Gene Expression Profiling the Way to
Go - Federico A. Monzon, Baylor College of Medicine, Houston, TX

9:40 Choosing the Right Molecular Test — Lessons from Colorectal Carcinoma –
Alyssa M. Krasinskas, University of Pittsburgh Medical Center, Pittsburgh, PA

10:40 Genetic Profiling of Tumors for Systemic Therapy —Standard of Care or
Passing Fad - Jorge Reis-Filho, The Institute of Cancer Research, London, UK

11:10 The Present and Future Avalanche of Molecular Testing— Build it or Buy it? –
Jeffrey A. Kant, University of Pittsburgh Medical Center, Pittsburgh, PA

COMPANION MEETINGS

International Society of Bone and Soft Tissue Pathology

Sunday, March 18, 2012 - 1:30 p.m. -Current Topics on Bone and Soft Tissue Pathology
Moderators: Shinichiro Ushigome, Jikei University School of Medicine, Tokyo, Japan and
Michael J. Klein, Hospital for Special Surgery, New York, NY

1:30 **Molecular Pathology of Ewing's Sarcoma: From Diagnosis and Target to Treatment** –

Enrique de Alava, University Hospital Salamanca and Cancer Research Center,
Salamanca, Spain

2:00 Cartilaginous Tumors of Bone: How to Distinguish Benign and Malignant –
Eiichi Konishi, Kyoto Prefectural University of Medicine, Kyoto, Japan

2:30 Benign (osteo—) Fibrous Tumors of Bone - Carrie Y. Inwards, Mayo Clinic,
Rochester, MN

3:30 Vascular Tumors of Skeletal System: Current Concepts of Classification and
Diagnosis - Judith Bovee, Leiden University Medical Center, Leiden, Netherlands

4:00 Giant Cell Tumor of Bone: Molecular Mechanisms - Ramses Forsyth, University
Hospital Ghent, Ghent, Belgium

4:30 Phosphaturic Mesenchymal Tumor: An Update - Yong-Koo Park, Kyung-Hee
University, Seoul Korea

COMPANION MEETINGS

American Society for Investigative Pathology In Coordination With Association for Molecular Pathology joint session with American Society for Clinical Pathology
Sunday, March 18, 2012 — 1:30 p.m. — **Genomic Pathology in Clinical Diagnostics: Promises and Pitfalls of New Technologies**

Moderators: Mark E. Sobel, American Society for Investigative Pathology, Bethesda, MD; George J. Netto, Johns Hopkins Medical Institutions, Baltimore, MD and Karen L. Kaul, NorthShore University Health System, Evanston, IL

1:30 Introduction: - Mark E. Sobel, American Society for Investigative Pathology, Bethesda, MD

1:35 **Keeping Up With the Next Generation: Perspectives on Massively Parallel Sequencing and Other New Technologies in Clinical Diagnostics** - Wayne W. Grody, UCLA School of Medicine, Los Angeles, CA

2:20 **Surgical Pathologists and the Interpretation of Genomic Information in the New Era of Genomic Medicine** - Karen L. Kaul, NorthShore University Health System, Evanston, IL 3:00 Break

3:30 **Laying the Groundwork for Personalized Genomic Studies** - Madhuri R. Hegde, Emory University School of Medicine, Atlanta, GA

4:00 **Why Shouldn't Clinical Microbiologists Have Some Wholesome Whole—Genome Sequencing Fun** - James M. Musser, The Methodist Hospital Research Institute, Houston, TX 4:30 **Pancreas Pathology in the Era of Whole Genome Sequencing** - Ralph Hruban, Johns Hopkins Medical Institutions, Baltimore, MD

COMPANION MEETINGS

Association for Molecular Pathology Joint Meeting with American Society for Clinical Pathology In Coordination With American Society for Investigative Pathology

Sunday, March 18, 2012 — 7:30 p.m. — **Genomic Pathology in Clinical Diagnostics: Promises and Pitfalls of New Technologies**

Moderators: Karen L. Kaul, NorthShore University Health System, Evanston, IL; George J. Netto, Johns Hopkins Medical Institutions, Baltimore, MD and Mark E. Sobel, American Society for Investigative Pathology, Bethesda, MD

7:30 Introduction: - George J. Netto, Johns Hopkins Medical Institutions, Baltimore, MD

7:35 Clinical Information Systems to Support **Personalized Medicine at the Bedside** – Mia Levy, Vanderbilt University School of Medicine, Nashville, TN

8:15 **Training Residents in Molecular Pathology**: Draft AMP Curriculum – Charles E. Hill, Emory University School of Medicine, Lilburn, GA

8:35 **Training Residents in Genomics**: The Stanford Approach - Iris Schrijver, Stanford University Medical Center, Stanford, CA

***8:55 **Training Residents in Genomics**: The Beth Israel Deaconess Approach – Richard Haspel, Beth Israel Deaconess Medical Center, Boston, MA

9:15 **Promises and Pitfalls of Genomic Information Technologies: Panel Discussion** – Wayne W. Grody, Richard Haspel, E. Blair Holladay, Karen L. Kaul, George J. Netto, Iris Schrijver, and Mark E. Sobel,

COMPANION MEETINGS

Society for Hematopathology

Sunday, March 18, 2012 — 1:30 p.m. —

Novel Insights of High-throughput Technologies in Hematopoietic Conditions

Moderators: Daniel A. Arber, Stanford University, Stanford, CA and Kojo Elenitoba-Johnson, University of Michigan, Ann Arbor, MI

1:30 **High Throughput Sequencing in Malignant Lymphoma** - Randy D. Gascoyne, BC Cancer Agency and BC Cancer Research Centre, Vancouver, BC, Canada

2:00 Methyloomic Profiling in Acute Myeloid Leukemia - Maria E. Figueroa, University of Michigan, Ann Arbor, MI

2:30 MicroRNAs in Myelodysplastic Syndromes –Aly Karsan, British Columbia Cancer Research Centre, Vancouver, BC, Canada 3:00 Break

3:30 Introduction and Overview of Proteomics in Lymphoma - Kojo Elenitoba-Johnson, University of Michigan, Ann Arbor, MI

4:00 **Practical Use of New Technologies in Hematopathology** - Dan Jones, Quest Diagnostics Nichols Institute, Chantilly, VA

COMPANION MEETINGS

American Society of Cytopathology in coordination with Papanicolaou
Society of Cytopathology

Sunday, March 18, 2012 — 7:30 p.m. — **Four "Ps" of Pulmonary Cytopathology:
Procedural, Predictive, Personalized and Participatory**

Moderator: Dina R. Mody, The Methodist Hospital, Houston, TX

7:30 Introduction of Program and Panelists: - Syed Z. Ali, The Johns Hopkins Hospital,
Baltimore, MD

7:50 Updates in the Surgical Pathology of Lung Cancer - William D. Travis, Memorial
Sloan-Kettering Cancer Center, New York, NY

8:25 Cytopathologic and Molecular Marker Analysis of Pulmonary Specimens –
Fernando Schmitt, University of Porto, Portugal

9:00 Management Guidelines and Targeted Therapies: An Oncologist's Perspective –
Julie R. Brahmer, The Johns Hopkins Hospital, Baltimore, MD

9:35 Role of Cytotechnologists in the Diagnosis and Management of Patients with
Lung Cancer - Jill L. Caudill, Mayo School of Health Sciences, Rochester, MN

COMPANION MEETINGS

Association for Pathology Informatics

Saturday, March 17, 2012 — 7:00 p.m. — **Pathology Informatics: An Evolving Sub-specialty with Direct Impact on the Continuum of Patient Care**

Moderator: John Gilbertson, Massachusetts General Hospital, Boston, MA

7:00 Introduction - John Gilbertson, Massachusetts General Hospital, Boston, MA

7:20 **Automating Anatomic Pathology** - Mark Tuthill, Henry Ford Hospital, Detroit, MI

7:50 **Digital Pathology and Patient Care** - Ulysses J. Balis, University of Michigan Health System, Ann Arbor, MI

8:20 Identifying our Patients before We Diagnose or Treat Them - Ray Aller, University of Southern California, Vista, CA

8:50 **Utility of Synoptic Data Entry for Molecular, Cytogenetics and FISH Laboratories** — Alexis Carter, Emory University Hospital, Atlanta, GA

9:20 **Pathology Informatics Curriculum for Pathology Residents** —
The Association of Pathology Informatics Model - Ronald S. Weinstein,
The Arizona Health Sciences Center, Tucson, AZ