

Tuesday, February 10

General Sessions

- 01. **On the Road to Personalized Medicine: Likely Adoption Paths for Molecular Imaging and Molecular Diagnostics**
George Poste, DVM, Ph.D., Chief Scientist, Director, The Biodesign Institute of Arizona State University, Tempe, AZ
- 02. **Understanding Today's Transformational Forces in Molecular Imaging and What Lies Ahead for Radiology and Imaging**
Mukesh G. Harisinghani, M.D., Director, Department of Abdominal MRI, Massachusetts General Hospital, Boston, MA
- 03. **Exploding Genomic Knowledge Fuels Disruptive Changes to Molecular Diagnostics and Surgical Pathology**
Richard C. Friedberg, M.D., Ph.D., Chairman Department of Pathology, Tufts University School of Medicine, Springfield, MA
- 04. **Achieving Breakthrough Patient Care via the Convergence of Molecular Imaging, Molecular Diagnostics, and Health Informatics**
Thomas Miller, Chief Executive Officer (CEO) Workflow & Solutions Division, Siemens Healthcare Sector, Siemens AG, Malvern, PA

Breakout Sessions

Radiology/In Vivo Track

- 05. **Using Multimodality Imaging, Including Non-invasive Raman Spectroscopy, to Develop Novel Molecular Imaging Probes and Techniques for Non-invasive Early Detection of Cancer**
Zhen Cheng, Ph.D., Assistant Professor, Radiology, Stanford Cancer Center, Molecular Imaging Program, Stanford, CA

Pathology/In Vitro Track

- 06. **Integration of Gastroenterology Diagnoses that Incorporate Radiology, Endoscopic, Molecular, Clinical, and Histopathologic Data**
Aloisio S. Felipe da Silva, M.D., Anatomic Pathologist, Laboratório Fleury, São Paulo, Brazil

Informatics Track

- 07. **Challenges in the RIS/LIS Data Exchange and Practical Solutions for the Short Term**
Rob Bush, President, Orchard Software Corporation, Carmel, IN

Radiology/In Vivo Track

- 08. **Diagnosing Prostate Cancer and Breast Cancer with Multiple Modalities, Including Image, Spectral Analysis, Histopathology, and Gene Analysis**
Anant Madabhushi, Ph.D., Assistant Professor, Director, Laboratory for Computational Image & Bioinformatics (LCIB), Rutgers The State University of New Jersey, Piscataway, NJ

Pathology/In Vitro Track

- 09. **Collaboration and In Vivo/In Vitro Convergence Involving Neuropathology and Radiology**
Lauren Langford, M.D., Ph.D., Associate Professor, Department of Pathology, MD Anderson Cancer Center, Houston, TX

Informatics Track

- 10. **Using Informatics in Studies of Integrated Biological Systems Involving Multi-Modality Information from Various Clinical Data Sources**
Badri Roysam, Ph.D., Professor of Electrical Computer & Systems Engineering, Rensselaer Polytechnic Institute, Troy, NY

Radiology/In Vivo Track

- 11. **Use of Neuroreceptor Imaging with PET to Advance Drug Development and Diagnosis of Schizophrenia**
W. Gordon Frankle, M.D., Assistant Professor of Psychiatry and Radiology, University of Pittsburgh School of Medicine, Pittsburgh, PA

Pathology/In Vitro Track

- 12. **Integrated Radiology/Pathology Service for Breast Cancer and How It Changes Management of the Patient**
Ossama W. Tawfik, M.D., Ph.D., Director of Anatomic and Surgical Pathology; Mark L. Redick, M.D., Ph.D., Assistant Professor of Radiology, University of Kansas, Kansas City, KS

Informatics Track

- 13. **Panel Discussion: Progress Toward Digital Images and Digital Pathology Systems**
Moderator: Bruce A. Friedman, M.D., Professor Emeritus of Pathology, University of Michigan Medical Center, Ann Arbor, MI
Panelists: Dirk Soenksen, CEO, Aperio Technologies, Inc., Vista, CA; Mohan Uttara, Chief Strategy Officer, Biomagene; Cupertino, CA; Michael R. Descour, Ph.D., President, DMetrix Inc., Tucson, AZ

General Sessions

- 14. **How Merging Radiology with Forensic Pathology Is Advancing Clinical Knowledge via Virtual Autopsy Techniques**
Col. Howard Harcke, M.D., Radiologist, Armed Forces Institute of Pathology, Wilmington, DE
- 15. **Multi-Modality Genetics Testing which Incorporates Ultrasound with Cytology and Molecular Diagnostics**
Katherine Thompson, M.D., Medical Director, Center for Medical Genetics, Houston, TX
- 16. **Who Will Be Writing Your Prescriptions in the Future?**
Jared N. Schwartz, M.D., Ph.D., Director, Pathology & Lab Medicine, Presbyterian Healthcare, Charlotte, NC

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General Sessions

- 17. **A Comparison of Pathology and Radiology Workflow and Reporting: Differences and Similarities**
Bruce A. Friedman, M.D., Ossama W. Tawfik, M.D., Ph.D., Mark L. Redick, M.D., Ph.D., Abass Alavi, M.D.
- 18. **Systems Biology's Contribution to Advancing Personalized Medicine and Integrated Molecular Diagnostics**
David Galas, Ph.D., Professor, Institute for Systems Biology, Seattle, WA, and Vice President and Chief Scientific Officer of the Battelle Memorial Institute
- 19. **Why Biophysical's 250-Test Consumer Health Assessment Profile is Moving to Integrate Imaging with Existing Assays**
Mark Chandler, Ph.D., Chairman and CEO, Biophysical Corporation, Austin, TX
- 20. **Patients Get Smarter About Molecular Testing: Lessons from DNA Direct's Experience at Offering Genetic Testing Services to the Public**
Trish Brown, M.S., CGC, Vice President of Clinical Affairs, San Francisco, CA
- 21. **On the Path to Personalized Medicine: Home Runs and Strike Outs Ahead**
Mara Aspinall, MBA, Chairman, Predictive Biosciences, Lexington, MA
- 22. **Using Informatics and Pattern Recognition to Advance both In Vivo and In Vitro Diagnostics**
Cliff Hoyt, M.S., Vice President and Chief Technology Officer, CRI-Inc., Woburn, MA
- 23. **Bringing Molecular Imaging and Molecular Diagnostics Together as an Integrated Clinical Service**
Jonathan Braun, M.D., Ph.D., Chairman, Department of Pathology and Laboratory Medicine, UCLA School of Medicine, Los Angeles, CA
- 24. **Who Controls the Images? Informatics Challenges in Creating an Integrated Solution that Contains both Molecular Imaging Data and Digitized Pathology Images**
Bruce A. Friedman, M.D., Professor Emeritus of Pathology, University of Michigan Medical Center, Ann Arbor, MI
- 25. **Panel: Looking at the Landscape for Integration of Imaging, Diagnostics, and Informatics**
Moderator: Bruce Friedman, M.D.; **Panelist:** Mara Aspinall, Cliff Hoyt, Jonathan Braun, M.D., Ph.D.
- 26. **Extracting the Important Lessons from the Second Annual Molecular Summit**
Robert Michel, Editor-in-Chief, THE DARK REPORT, Spicewood, TX

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