Fourth National Forum on Biomedical Imaging in Oncology  
February 6-7, 2003  
Hyatt Regency Bethesda – Crystal Ballroom

Presented by: National Cancer Institute, Food and Drug Administration, Centers for Medicare and Medicaid Services and National Electrical Manufacturers Association

Sponsored by: National Institutes of Health/Foundation for Advanced Education in the Sciences (NIH/FAES)

Program

February 6

7:30 am  Continental Breakfast

8:30 am  Introduction/Objectives  
Ellen Feigal, MD, Acting Director, Division of Cancer Treatment and Diagnosis (DCTD), National Cancer Institute (NCI)

8:35 am  Introductory Remarks From Industry  
Tom McCausland, President and CEO, Siemens Medical Solutions USA, Inc.

8:40–9:40 am  Forum Issues: Updates

8:40 am  Food and Drug Administration (FDA)  
David W. Feigal, Jr., MD, MPH, Director, Center for Devices and Radiological Health (CRDH), FDA  
Janet Woodcock, MD, Director, Center for Drug Evaluation and Research, FDA

8:50 am  Centers for Medicare and Medicaid Services (CMS)  
Ronald Dei Cas, MD, FACS, Medical Officer, Division of Items and Devices, Coverage and Analysis Group, CMS

9:00 am  National Cancer Institute (NCI)  
Ellen Feigal, MD, Acting Director, DCTD, NCI

9:10 am  National Institute of Biomedical Imaging and Bioengineering (NIBIB)  
Richard Swaja, PhD, Senior Science Advisor, NIBIB

9:20 am  Question and Answer Session

9:35 am - Noon  Imaging Agents as Complements to Therapeutics  
Moderator: Susan Galbraith, MB, Bchir, PhD, Associate Medical Director, Bristol Myers Squibb

9:35 am  Imaging the Inner Workings of Solid Tumors: A Twenty-five Year Odyssey  
Rakesh Jain, PhD, Andrew Werk Cook Professor of Tumor Biology, Harvard Medical School and Director, Edwin L. Steele Laboratory for Tumor Biology, Massachusetts General Hospital

10:20 am  Break
10:40 am  Case Studies - Experience in Development of Protease Therapeutics

**Are Proteases Valid Therapeutic Targets in Cancer?**
Bonnie Sloane, PhD, Professor and Chair, Department of Pharmacology and Professor, Karmanos Cancer Institute, Wayne State University

**Approaches and Challenges in Imaging the Protease Pathways**
David Piston, PhD, Professor of Molecular Physiology and Biophysics and Professor of Physics and Director, W.M. Keck Foundation Free-electron Laser Center, Vanderbilt University

11:20 am  Discussion
Panel – Moderator and speakers

Noon  Lunch

1:00-2:00 pm  Imaging for Screening: Case Study – Breast Cancer
Moderator: Etta Pisano, MD, Professor of Radiology, University of North Carolina, Chapel Hill

1:00 pm  Introduction to Clinical Dilemma
Jo Anne Zujewski, MD, Head, Breast Cancer Clinical Research Section, Medical Oncology Clinical Research Unit, Center for Cancer Research, NCI

1:15 pm  Screening Technology for Breast Cancer
Mitch Schnall, MD, PhD, Associate Professor, Department of Radiology, University of Pennsylvania Hospital

1:30 pm  Discussion
Panel – Moderator, speakers and Morgan Nields, Chairman and CEO, Fischer Imaging Corporation

2:00-5:00 pm  Technology Assessment – Issues Raised by Breast Cancer Screening and Imaging Agents in Therapy
Moderator: Michael Vannier, MD, Professor and Department Head of Radiology, University of Iowa Hospitals and Clinics

2:00 pm  Technology Assessment – Bringing Evidence-Based Medicine to Medical Policy
Carole Redding Flamm, MD, MPH, Associate Director, Technology Evaluation Center, Blue Cross Blue Shield Association

2:30 pm  Methodologic Issues
Charles Metz, PhD, Professor of Radiology, University of Chicago

3:00 pm  Break

3:20 pm  FDA Research Perspectives Related to CAD Products
Robert Wagner, PhD, Senior Biomedical Research Scientist, CDRH, FDA

3:50 pm  Image Data Issues [Archives/Computer Aided Detection (CAD)]
Michael Vannier, MD, Professor and Department Head of Radiology, University of Iowa Hospitals and Clinics

4:20 pm  Discussion
Panel - Speakers and F. David Rollo, MD, PhD, Chief Medical Officer, Philips Nuclear Medicine
5:20 pm Adjourn

February 7

7:30 am Continental Breakfast

8:30 am Coalition and Review of Proposed 2004 Forum Topic
Edward Staab, MD, Chief, Diagnostic Imaging Branch, Biomedical Imaging Program, DCTD, NCI

8:45-11:45 am Imaging in Diagnosis and Therapy of Screen-detected Lesions: Case Study – Lung
Moderator: Denise Aberle, MD, Professor and Chief, Thoracic Imaging, Department of Radiological Sciences, University of California, Los Angeles

8:45 am CT Screening for Lung Cancer–Mayo Clinic Experience
Stephen Swensen, MD, Chair, Department of Radiology, Mayo Clinic and Professor, Mayo Medical School

9:05 am Image-guided Diagnostic Procedures for Screen-detected Lung Lesions
David Yankelevitz, MD, Professor of Radiology, Weill-Cornell Medical Center

9:25 am Image-guided Therapeutic Non-surgical Interventions for Screen-detected Lung Lesions
Damian E. Dupuy, MD, Associate Professor of Diagnostic Imaging, Brown University

9:45 am Image-guided Therapeutic Surgical Interventions for Screen-detected Lung Lesions
Stephen Yang, MD, Chief, Division of Thoracic Surgery, Associate Professor of Surgery and Oncology, Surgical Director, Lung Transplantation Program and Director, Thoracic Oncology Program, Johns Hopkins School of Medicine

10:05 am Technology Assessment Issues Raised by Image-guided Diagnosis and Therapy
Constantine Gatsonis, PhD, Professor of Medical Science (Biostatistics) and Applied Mathematics and Director, Center for Statistical Sciences, Brown University

10:25 am Break

10:45 am Technology Assessment for Image Guided Diagnosis and Therapy - Discussion
Panel – Moderator, speakers and Stanley Fox, General Electric

11:45 am Summary of 2003 Forum Proceedings

Noon Adjourn