

# Yale CANCER CENTER

A Comprehensive Cancer Center Designated  
by the National Cancer Institute

## CURRICULUM VITAE

**Roy S. Herbst, MD, PhD**



04/15/2014

### PRESENT TITLE AND AFFILIATION

Ensign Professor of Medicine (Medical Oncology)  
Professor of Pharmacology  
Chief of Medical Oncology  
Associate Cancer Center Director for Translational Research  
Director, Thoracic Oncology Research Program

### Dual/Joint/Adjunct Appointment

Adjunct Professor of Medicine, Thoracic/Head and Neck Medical Oncology, Division of Cancer  
Medicine, University of Texas M. D. Anderson Cancer Center, Houston, TX

Honorary Professor, University College London (UCL) Cancer Institute

### CITIZENSHIP

United States

### OFFICE ADDRESS

Yale Cancer Center  
Section of Medical Oncology  
333 Cedar Street  
New Haven, CT 06520-8028  
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### EDUCATION

#### Degree-Granting Education

Yale University, New Haven, CT, BS, 1984, Molecular Biophysics and Biochemistry

Yale University, New Haven, CT, MS, 1984, Molecular Biophysics and Biochemistry

The Rockefeller University, New York, NY, PHD, 1990, Molecular Cell Biology (Thesis Advisors:  
James E. Darnell, Jr., M.D., and Lee E. Babiss, Ph.D.)

Cornell University Medical College, New York, NY, MD, 1991, Medicine

Harvard University, Cambridge, MA, MS, 1997, Clinical Translational Research

Yale University, New Haven, CT, Honorary MA, 2013

**Postgraduate Training**

Clinical Fellowship in Medicine (Internship and Residency), Harvard Medical School, Boston, MA, (Residency Director: Dr. Marshall Wolf), 1991–1994

Chief Medical Residency, West Roxbury VA Hospital, Dedham, MA, (Residency Director: Dr. George Thibault), 1994

Medical Oncology Fellowship, Dana Farber Cancer Institute, Boston, MA, (Director: Dr. Robert Mayer), 1994–1996

Clinical Investigator Training Program, MIT-Harvard (HST Program), Cambridge, MA, (Directors: Dr. Donald Kufe and Dr. Robert Rubin), 1995–1997

Medical Hematology Fellowship, Brigham and Women's Hospital, Boston, MA, (Director: Dr. Robert Handin), 1996–1997

Harvard School of Public Health: Leadership Development for Physicians in Academic Health Centers, Oct. 2013

**CREDENTIALS**

**Board Certification**

Internal Medicine, 1994–2004

Medical Oncology, 1997–2017

**Licensures**

**Active**

CT, 049756 current

**Inactive**

TX 1997–2011

MA, 1993-1997

**EXPERIENCE/SERVICE**

**Academic Appointments**

Clinical Fellow, Harvard Medical School, Boston, MA, 1991–1996

Instructor in Medicine and Attending Physician, Harvard Medical School, Boston, MA, 1996–1997

Assistant Professor of Medicine, THNMO and Department of Cancer Biology (CB), UT-MDACC, Houston, TX, 1997–2002

Assistant Professor, Department of Cancer Biology, UT-MDACC, Houston, TX, 1998–2002

Chief, Section of Thoracic Medical Oncology, THNMO, UT-MDACC, Houston, TX, 2001–2011

Associate Professor, THNMO and CB, UT-MDACC, Houston, TX, 2002–2005

Professor of Cancer Biology, CB, UT-MDACC, Houston, TX, 2005–2009

Professor of Medicine, Thoracic/Head and Neck Medical Oncology (THNMO), Division of Cancer Medicine, The University of Texas M. D. Anderson Cancer Center (UT-MDACC), Houston, TX, 2005–2011

Barnhart Family Distinguished Professor of Targeted Therapy, The University of Texas M.D. Anderson Cancer Center, 2011

Chief of Medical Oncology, Associate Cancer Center Director for Translational Research, Yale Cancer Center 2011-present

Professor of Medicine (Tenure), Yale University 2011 – present

Professor of Pharmacology, (secondary) Yale University 2012 – present

Leader of the Phase I Cancer Disease Center at Smilow Cancer Hospital – 2011-2012

Leader of the Clinical Research Program in Phase I Cancers at Smilow Cancer Hospital – 2012

Leader of the Clinical Research Program in Thoracic Oncology at the Yale Cancer Center – 2011-present

Ensign Professor of Medicine (Medical Oncology) – 2013-present

#### **Administrative Appointments/Responsibilities**

Director, Journal Club, Department of Thoracic/Head and Neck Medical Oncology, UT-MDACC, Houston, TX, 1997–1999

Clinical Core Director-U54 Targeted Therapy Grant, UT-MDACC, Houston, TX, 2001–2011

Editor and Founder, the Protocol Review, Department of Thoracic/Head and Neck Medical Oncology, UT-MDACC, Houston, TX, 2002–present

Co-Chairman, Phase I Working Group, UT-MDACC, Houston, TX, 2003–2011

Co-Director, Lung Cancer Program, Department of Defense Grant, UT-MDACC, Houston, TX, 2004–2011

Leader, Lung Cancer Program, Cancer Support (CORE) Grant, UT-MDACC, Houston, TX, 2004–2011

Director, Fellowship Program, THNMO, UT-MDACC, Houston, TX, 2007–2011

Co-Program Director, Developmental Therapeutics, Yale Cancer Center, Associate Cancer Center Director for Translational Medicine 2011 - Present

#### **Other Appointments/Responsibilities**

N/A

#### **Endowed Positions**

Barnhart Family Distinguished Professor in Targeted Therapies, UT-MDACC, Houston, TX, 6/2009–2011

Ensign Professor of Medicine (Medical Oncology), Yale University, New Haven, CT, 2013

#### **Consultantships**

Bayer Pharmaceuticals, Pittsburgh, Pennsylvania, Consultant, Drug Development, 1998

Eli Lilly and Company, Indianapolis, Indiana, Consultant, Lung Cancer Therapy, 1998–1999

Imclone Systems Incorporated, Somerville, New Jersey, Consultant, Clinical Trial Design and Drug Development, 1998–2000

TAP Pharmaceuticals, Lake Forest, Illinois, Consultant, TNP-470 Drug Development, 1998–2000

Pfizer Pharmaceuticals, Groton, Connecticut, Consultant, Drug Development, 1998

Schering Plough Pharmaceuticals, Kenilworth, New Jersey, Consultant, Interferon Drug Development, 1999

AstraZeneca Pharmaceuticals, Wilmington, Delaware, Consultant, Drug Development, 2000–2008

Center for Biologic and Continuing Education (CBCE-CME), Board member, 2002–2008

Eli Lilly and Company, Indianapolis, Indiana, Consultant, Lung Cancer Therapy, 2003–2009

Pfizer Pharmaceuticals, Groton, Connecticut, Consultant, Drug Development, 2003

ACLARA BioSciences, Inc, Mountain View, California, Scientific Advisory Board member, 2004–2008

Genentech, South San Francisco, California, Consultant, 2004–2008

Data Safety Monitoring Board (DSMB), Chairman, A Phase 3, Multicenter, Randomized, Placebo-Controlled, Double-Blind Trial of AMG 706 in Combination With Paclitaxel and Carboplatin for Advanced Non-small Cell Lung Cancer, 2007–present

Exelixis, So. San Francisco, CA, Consultant, 2007

National Cancer Institute (NCI), Rockville, MD, Task Force Co-Chairman, Investigational Drug Steering Committee (IDSC) Task Force, 9/2008–present

#### **Military or Other Governmental Service**

N/A

#### **Institutional Committee Activities**

##### **University of Texas M.D. Anderson Cancer Center**

Computer-based Clinical Record Committee, Member, 1997–1999

Patient Care Committee, Member, 1997–1999

Clinical Research Committee, Member, 1997–2000

Committee on Institutional Awards, Member, 1999–2000

Clinical Research Committee II, Member, 1999–2001

PET Steering Committee, Member, 1999–2002

Clinical Translational Research Center Advisory Committee, Member, 1999–2003

Intellectual Property Oversight Committee, Member, 2000–2003

Study Section Review Committee of the Cancer Therapeutics Discovery Program, Member, 2000–2011

External Data Monitoring Committee, Member, 2000–2011

CCSG Histology Core Oversight Committee, Member, 2001

Search Committee for Chairman, Department of Experimental Diagnostic Imaging, Member, 2001

Multidisciplinary Research Advisory Committee (MRAC), Member, 2003–2009

Institutional Review Board II (IRB2), Alternate Member, 2004–2007

Symposium on Fundamental Cancer Research, Member, 2005–2011

Credentials Committee of the Medical Staff, Alternate Member, 2005–2011

GME Institutional Review Subcommittee, Member, 2006–2007

Promotion and Tenure Committee, Member, 2006–2009

American Association for Cancer Research Task Force on Tobacco and Cancer, 2010–2013

Molecular Markers Task Force, Member, 2006–2011

CTRC Steering Committee, Member, 2006–2011

SWOG Executive Committee, Chairman, 2007–2011

Institute of Personalized Cancer Therapy (IPCT) Steering Committee, Member, 2008–2011

Institute of Personalized Cancer Therapy (IPCT) Thoracic MCC (Multi-Care Center) Scientific Steering Committee, Chairman, 2008–2011

Executive Committee in developing of the new PhD Program in Clinical Science, Member, 7/2009–2011

Tumor Committee, Sarah Cannon Research Institute and Yale Cancer Center, Nashville, TN 12/2011

### **Yale University**

Yale Cancer Center, Cancer Center Executive Committee, 2011 – Present

Yale Cancer Center, Protocol Review Committee, 2011 – Present

Yale Cancer Center, Clinical Research Committee, 2011 – Present

Yale Scholar Awards Committee 2011- Present

Yale, Department of Internal Medicine, Faculty Appointment and Promotions Committee, 2012 – Present

### **HONORS AND AWARDS**

Research Award, Yale Science and Engineering Association, 1982

Distinction in Molecular Biophysics and Biochemistry, Yale University, 1984

Phi Beta Kappa, Summa Cum Laude, Yale University, 1984

Dean's Research Prize, Cornell Medical College, 1990–1991

Landberg Prize, Cornell Medical College, 1991

Polk Prize, Cornell Medical College, 1991

HST/Pfizer Clinical Investigator Training Program, Harvard Medical School, 1995–1997

Dana Farber Recognition Award, Dana Farber Cancer Institute, 1997

Thoracic Oncology Research Award, Dana Farber Cancer Institute, 1997

Young Investigator Award, American Society of Clinical Oncology, 1997

Physicians Referral Service Research Award, MDACC, 1998

SPORE Development Award, The University of Texas Southwestern Medical Center-Dallas, 1998–1999

Career Development Award, American Society of Clinical Oncology, 1999–2002

Physician Scientist Program Award, MDACC, 1999–2002

Best Doctors in America, Inside Houston, 2003–2004, 2005–2006, 2007–20011

Guide to America's Top Physicians, 2004–2005

America's Top Doctors, Castle Connolly Medical Ltd., 2006–2013

Rofeh Yedid Award, Aishel House, 2006

Special Honoree, Golfers Against Cancer, 2006

David Ben Guiron Leadership Award, 2007

New Frontiers Award, American Society of Cytopathology, 2007

Irwin H. Krakoff Award for Excellence in Clinical Research, MDACC, Division of Cancer Medicine Faculty Recognition and Awards Program, 2008

Fellow, American College of Physicians, 2010

Fifth Annual Division of Cancer Medicine Waun Ki Hong Award for Excellence in Team Science, Division of Cancer Medicine, 2010

Sikand Orator, Yale University, 2011

Best Doctors, New York Magazine – 2012-2014

## **RESEARCH**

### **Grants and Contracts**

#### **Funded**

Protocol PI, Biomarker, Imaging and Quality of Life Funding Program (BIQSFP) associated with Protocol SWOG0819, NIH/NCI, PI - Lawrence Baker/SWOG 1/1/2011–12/31/2015, \$1,973,506

Principal Investigator, 10%, Personalizing NSCLC Therapy: Exploiting KRAS Activated Pathways, 1R01CA155196, NIH/NCI, 9/1/2011–8/31/2016, \$2,450,000

Associate Director, Translational Sciences; Co-Program Director, Developmental Therapeutics, P30 CA 016359, NCI, Lynch, Thomas J. (PI), 08/09/13-07/31/18, NCI, Cancer Center Support Grant – 10% effort (5% for AD and 5% for Co-PL), total funding \$600,000, directs \$361,446

#### **Pending**

Principal Investigator, Yale SPORE in Lung Cancer (YSILC): The Biology and Personalized Treatment of Lung Cancer, CA17744401, 04/01/2015-03/31/2020, NIH/NCI, \$11,500,000

#### **Other**

N/A

**Completed**

Principal Investigator, 10%, A preclinical and clinical study of antiangiogenesis agents in combination with cytotoxic chemotherapy, ASCO-Young Investigator Award, 7/1/1997–6/30/1999, \$65,000 (\$32,500/year)

Principal Investigator, 10%, Multiparametric in situ mRNA hybridization analysis using markers of metastasis and angiogenesis to predict disease recurrence in patients with lung carcinoma, UT M. D. Anderson Cancer Physicians Referral Service Research Award, 1/1/1998–12/31/1998, \$35,529

Principal Investigator, 10%, Prognostic markers of metastasis and angiogenesis in lung cancer, 2P50 CA70907-4, The University of Texas Lung Cancer SPORE Development Award, 9/1/1998–8/31/2000, \$67,290 (\$33,645/year)

Principal Investigator, 10%, The biology and treatment of lung cancer metastasis, The University of Texas M. D. Anderson Cancer Center Physician Scientist Program Award, 1/1/1999–1/1/2002, \$360,000 (\$120,000/year)

Principal Investigator, 10%, The biology and treatment of lung cancer metastasis, ASCO-Career Development Award, 7/1/1999–6/30/2002, \$170,000 (\$55,000/year)

Co-Principal Investigator, 5%, Restoration of apoptosis in cancer, CA78778-01A1, NIH/NCI, PI - Jack A. Roth, M.D., 7/1/1999–6/3/2004, \$3,465,330 (\$693,065/year)

Principal Investigator, 5%, Preclinical and clinical studies with human endostatin, Golfers Against Cancer-Charitable Trust, 1/1/2000–12/31/2000, \$100,000

Core D Co-Director, 10%, Targeted assessment of antiangiogenic therapy (Core D - Clinical trials), 5 U54 CA 90810 2 (PC-D), NIH/NCI, PI - James L. Abbruzzese, M.D., 7/16/2001–12/31/2006, \$590,700 (\$82,063/year)

Co-Principal Investigator of Project 4, 10%, Targeted assessment of antiangiogenic therapy (Project 4 - A phase I trial of the antiangiogenic agent SU6668 in patients with solid tumors), 5 U54 CA90810 2 (PP-DP4, NIH/NCI, PI - James L. Abbruzzese, M.D., 7/16/2001–12/31/2006, \$775,170 (\$128,600/year)

Principal Investigator, 5%, Evaluate the antiangiogenic, antivasular, and anti-tumor activities of ZD1839 and ZD7474 in primary and metastatic human lung cancer, Golfers Against Cancer-Charitable Trust, 6/1/2002–5/31/2005, \$75,000

Project 2 Principal Investigator, 10%, SPORE (Specialized Program of Research Excellence) in Head and Neck Cancer (Project 2 - Targeted angiogenesis for therapy of head and neck cancer), P50 CA79007-01 (PP-2), NIH/NCI, PI - Waun Ki Hong, M.D., 7/1/2002–6/30/2007, \$1,002,500 (\$200,664/year)

Co-Principal Investigator of Project 10, 10%, T.A.R.G.E.T. (Translational Approaches for the Reversal, Genetic Evaluation, and Treatment of) Lung Cancer (Project 10 - Development of novel murine models of lung cancer and in vivo evaluation of antiangiogenic agents), DAMD 17-02-1-0706, Department of Defense, PI - Waun Ki Hong, M.D., 9/1/2002–8/31/2006, \$74,724

Co-Investigator, 5%, Phase I studies of targeted anti-cancer therapies, CA062461, PI - Razelle Kurzrock, M.D., 2/1/2003–1/31/2008, \$2,406,368 (\$444,281/year)

Principal Investigator, Vascular target therapy of primary and metastatic lung cancer, The University of Texas M. D. Anderson Cancer Multidisciplinary Research Program, 1/1/2004–1/1/8888, \$25,000

Principal Investigator, 5%, Vascular Targeted Therapy for Lung Cancer, Lung Cancer Research Foundation, 7/1/2007–6/30/2008, \$50,000

Co-Investigator, 5%, Phase I Studies of Targeted Anti-Cancer Therapies (PC-A), 5 U01 CA062461 17, NIH/NCI, PI - Razelle Kurzrock, 3/1/1994–2/28/2013, \$602,240 (\$433,266/year)

Principal Investigator, 5%, Proposal to evaluate the antiangiogenic, anti-vascular, and anti-tumor activities of ZD1839, ZD6474, AZD2171 and ZD6126 in primary and metastatic human lung cancer, LS2004-0001066LE, AstraZeneca, 2/13/2004–12/31/2010, \$620,456 (\$410,030/year)

Co-Principal Investigator of Project 2, Co-Director of Administration Core, Co-Leader of Cancer Development Program, 10%, IMPACT (Imaging and Molecular Markers for Patients with Lung Cancer: Approaches with Molecular Targets and Complementary, Innovative and Therapeutic Modalities) (Project 2 - Molecular imaging of EGFR expression and activity in targeted therapy of lung cancer), W81XWH-05-2-0027, Department of Defense (DOD), PI - Waun Ki Hong, MD, 2/1/2005–3/1/2011

Co-Principal Investigator, 20%, BATTLE (Biomarker-based Approaches of Targeted Therapy for Lung Cancer Elimination), W81XWH-06-1-0303, Department of Defense (DOD), PI - Waun Ki Hong, MD, 4/1/2006–4/30/2011

Principal Investigator, 10%, TGF-alpha and phosphorylated EGFR protein levels impact the survival of patients with stage I-IIIa non-small cell lung cancer, Golfers Against Cancer-Charitable Trust, 5/1/2006–4/30/2008, \$30,000

Co-Leader, Project 2, 5%, PROSPECT (Profiling of Resistance Patterns & Oncogenic Signaling Pathways in Evaluation of Cancers of the Thorax and Therapeutic Target Identification), W81XWH-07-1-0306, Department of Defense (DOD), PI - Waun Ki Hong, MD, 6/1/2007–5/31/2011 (\$1,347,411/year)

Leader, Lung Cancer Program, 10%, Cancer Center Support (CORE) Grant, 5 P30 CA016672, NIH/NCI, PI - John Mendelsohn, M.D., 7/1/2008–6/30/2013, \$19,825 (\$17,354/year)

Investigator, 5%, Integrative Pipeline for Analysis & Translational Application of TCGA Data (GDAC), 1 U24 CA143883-01, NIH/NCI, PI - Weinstein, John N, 9/29/2009–7/31/2014 (\$111,655/year)

Co-Investigator, 2%, AARA: CYCORE: Cyberinfrastructure for Comparative Effectiveness Research, 1 RC2 CA148263-01, NIH/NCI, PI - Susan Peterson, 9/30/2009–8/31/2011 (\$1,931,695/year)

Dream Team Principal, 20%, Dream Team Award, SU2C-AACR-DT0309, Stand Up 2 Cancer (SU2C), PI - Daniel Haber, 12/1/2009–11/30/2012, \$1,452,889 (\$183,831/year)

Principal Investigator, 5%, U10 Full Membership Application Affiliated with SWOG, 2 U10 CA105409-07, NIH/NCI, 3/5/2010–12/31/2015 (\$206,130/year)

## **Protocols**

### **Funded**

Principal Investigator, A phase I study of safety, pharmacokinetics, and tolerability using TNP-470 in combination with paclitaxel in adult patients with solid tumors, 1998–2001, \$489,354, TAP Holdings, Inc

Principal Investigator, A phase II trial of gemcitabine and vinorelbine chemotherapy in patients with either untreated or once treated advanced stage non-small cell lung cancer, 1998–2002, \$175,000, Eli Lilly and Company

Principal Investigator, An open, label, multicenter extension study of recombinant humanized monoclonal anti-VEGF antibody (rhuMAB VEGF) in subjects responsive to treatment with rhuMAB VEGF in a previous Genentech-sponsored cancer study, 1998–2003, \$88,500, Genentech

Principal Investigator, Phase II study of SPI-77 in patients with advanced non-small cell lung cancer, 1998–2003, \$210,000, Sequus Pharmaceuticals

Principal Investigator, A phase II study of SCH 54031 (PEG Interferon Alfa-2B/PEG Intron) in recurrent squamous cell tumors of the head and neck: Clinical efficacy and biomarker analysis, 1999–2003, \$296,000, Integrated Therapeutics Group, Inc

Principal Investigator, A phase IIA trial of continuous five-day infusion of MSI-1256F (squamous lactate) plus carboplatin and paclitaxel in IIIB (pleural effusion and IV non-small cell lung cancer, DM99-097, 1999–2003, \$150,000, Magainin Pharmaceuticals

Principal Investigator, A phase I study of a continuous infusion of TNP-470 alone or with a combination of paclitaxel and carboplatin in adult patients with solid tumors, 1999–2004, \$301,938, TAP Pharmaceuticals, Inc

Principal Investigator, Phase II multidose, single arm, single institution clinical trial of cisplatin and gemcitabine in combination with recombinant humanized anti-p185 monoclonal antibody (herceptin) in patients unselected for HER2/new expression level who have untreated locally or metastatic (stage IIIB or IV) non-small cell lung cancer, 1999–2004, \$187,476, Genentech

Principal Investigator, Phase II multidose, single-arm, single institutional clinical trial of cisplatin and gemcitabine in combination with recombinant humanized anti-p185 HER2 monoclonal antibody (herceptin) in patients who have untreated locally or metastatic (stage IIIb or IV) non-small cell lung cancer, 1999–2004, \$193,000, Eli Lilly and Company

Principal Investigator, Phase II study of anti-epidermal growth factor antibody C225 in combination with chemotherapy in patients with recurrent or metastatic squamous cell head and neck carcinoma, 1999–2004, \$185,819, Imclone Systems Inc

Principal Investigator, A phase I/IIA exploratory multiple-dose level pharmacokinetic and pharmacodynamic trial of ZD1839 in subjects with four selected tumor types known to overexpress epidermal growth factor receptor, 1999, \$300,000, AstraZeneca

Principal Investigator, Randomized, double-blind, parallel group, phase II/III multi-center trial of two doses of ZD1839 in patients with advanced non-small cell lung cancer who have failed at least two previous chemotherapy regimens; at least one or both contains platinum and a taxane, 2000–2002, \$461,848, AstraZeneca

Principal Investigator, Continued/extended access to TNP-470 for cancer, 2000–2003, \$102,135, TAP Pharmaceuticals, Inc

Principal Investigator, A randomized, double-blind phase III comparative trial of two doses of ZD1839 (IRESSA) in combination with paclitaxel and carboplatin versus placebo with paclitaxel and carboplatin in chemo-naïve patients with advanced non-small cell lung cancer, 2000–2004, \$2,259,209, AstraZeneca

Principal Investigator, Phase I, single-center, open label, dose escalating, safety and pharmacokinetic study of recombinant human endostatin administered by continuous intravenous infusion to cancer patients, 2001–2003, \$530,000, EntreMed

Principal Investigator, Phase II study of anti-epidermal growth factor receptor antibody cetuximab (C225) in patients with recurrent or metastatic squamous cell head and neck carcinoma following cisplatin/paclitaxel therapy, 2001–2003, \$279,000, Imclone Systems Inc

Principal Investigator, A phase I dose escalation and pharmacokinetic evaluation of oral LY317615 (an angiogenesis inhibitor) in patients with advanced cancer, 2001–2004, \$184,875, Eli Lilly and Company

Principal Investigator, A phase III, randomized, double-blind, multicenter trial of OSI-774 (Erlotinib) plus chemotherapy (Carboplatin and Paclitaxel) versus chemotherapy alone in patients with advanced (stage IIIB or IV) non-small cell lung cancer who have not received prior chemotherapy, 2001–2004, \$684,718, Genentech

Principal Investigator, Phase II study of anti-epidermal growth factor receptor antibody cetuximab in combination with docetaxel in patients with recurrent or progressive non-small cell lung cancer, 2001–2005, \$424,304, Imclone Systems Inc

Principal Investigator, Multicenter, open-label extension trial of treatment with ZD1839 (IRESSA) in patients who have been treated in other ZD1839 clinical trials and may benefit from continued monotherapy ZD1839, 2002–2004, \$19,000, AstraZeneca

Principal Investigator, A phase I/II, multidose multicenter clinical trial to evaluate the safety and efficacy of the combination of recombinant humanized monoclonal anti-VEGF antibody rhuMAB VEGF (Avastin) and the EGFR tyrosine kinase inhibitor OSI-774 (Tarceva) for locally advanced or metastatic non-squamous cell non-small cell lung cancer in patients who have been previously treated, 2002–2005, \$260,928, Genentech

Principal Investigator, A randomized, double-blind, multicenter, phase II study to assess the safety, tolerability, and efficacy of ZD6474 in combination with docetaxel (Taxotere™) in subjects with locally advanced or metastatic non-small cell lung cancer after failure of prior platinum-based chemotherapy, 2002–2005, \$731,226, AstraZeneca

Principal Investigator, Phase I, open-label, multicenter, dose-escalation study of the tyrosine kinase inhibitor of VEGFR-2, AG013736 in patients with advanced solid tumors, 2002–2005, \$705,900, Agouron

Principal Investigator, Randomized study of docetaxel versus docetaxel plus Genasense™ (Bcl-2 antisense oligonucleotide) in patients with previously treated non-small cell lung cancer, 2002–2005, \$304,000, Genta

Principal Investigator, A phase I, first in human, open-label, dose finding study evaluating the safety and pharmacokinetics of AMG 706 in subjects with advanced solid tumors, 2003–2005, \$316,855, Amgen

Principal Investigator, A phase II, open-label, multicenter study to evaluate the effect of tumor-based Her2 activation on the efficacy of rhuMAB 2C4 (Pertuzumab) in subjects with advanced (stage IIIB or IV) non-small cell lung cancer, 2003–2005, \$332,193, Genentech

Principal Investigator, An expanded access clinical program with ZD1839 (IRESSA) for patients with advanced NSCLC, 2003–2005, \$141,000, AstraZeneca

Principal Investigator, Continuing access to the tyrosine kinase inhibitor of VEGFR-2, AG013736 (A406) for patients previously receiving AG013736 in clinical trials, 2003–2005, \$30,000, Agouron

Principal Investigator, Multicenter phase II trial of OSI-774 (Erlotinib, Tarceva) in patients with advanced bronchioloalveolar cell lung cancer, 2003–2005, \$40,001, Genentech

Principal Investigator, A phase II, multicenter, randomized clinical trial to evaluate the efficacy and safety of avastin (Bevacizumab) in combination with docetaxel or tarceva (Erlotinib Hydrochloride) compared with docetaxel alone for treatment of recurrent or refractory non-small cell lung cancer, 2004–2006, \$253,368, Genentech

Principal Investigator, Phase II study of the antiangiogenesis agent AG-013736 as second-line treatment in patients with advanced non-small cell lung cancer, 2004–2006, \$314,430, Pfizer

Principal Investigator, Phase II selection design trial of concurrent chemotherapy + cetuximab vs. chemotherapy followed by cetuximab in advanced non-small cell lung cancer, 2004–present, SWOG

Principal Investigator, A phase I, open-label, dose-escalation study of the safety and pharmacokinetics of PRO1762 administered intravenously to subjects with advanced or metastatic solid malignancies, or non-Hodgkin's lymphoma, 2005, \$710,038, Genentech

Principal Investigator, A Phase I Study Evaluating the Safety, Pharmacokinetics, and Pharmacodynamics of AMG386 in Adult Patients with Advanced Solid Tumors, 2005–2006, \$766,040, Amgen, Inc.

Principal Investigator, An open-label, non-randomized, multicenter, three stage, phase 2 study of S-1 in as 2nd line therapy for patients with advanced non-small cell lung cancer (stage IIIB/stage IV), 2005–2006, \$200,320, Taiho

Principal Investigator, An open-label, non-randomized, multicenter, three stage, phase 2 study of S-1 in combination with cisplatin as 1st line therapy for patients with advanced non-small cell lung cancer (stage IIIB/stage IV), 2005–2006, \$200,320, Taiho

Principal Investigator, A Phase I, Open-Label, Dose Escalation Study Evaluating the Safety, Tolerability and Pharmacokinetics of AMG655 in Subjects with Advanced Solid Tumors, 2005–2010, \$592,900, Amgen, Inc.

Principal Investigator, A multicenter, open-label, single-arm, two-stage study of AVE007 (VEGF Trap) administered every 2 weeks in patients with platinum and erlotinib-resistant, locally advanced or metastatic NSCLC, 2005–present, \$93,454, Sanofi-Aventis

Principal Investigator, A Phase I, Open-Label, Dose Escalation Study of the Safety and Pharmacokinetics of Apomab Administered Intravenously to Subjects with Advanced or Metastatic Solid Malignancies, or Non-Hodgkins Lymphoma, 2005-0731, 2006–2007, \$776,512, Genentech, Inc.

Principal Investigator, A Phase III, Multicenter, Placebo-Controlled, Double-Blind, Randomized Clinical Trial To Evaluate The Efficacy Of Bevacizumab In Combination With Tarceva (Erlotinib) Compared With Tarceva Alone For Treatment Of Advanced Non-Small Cell Lung Cancer (NSCLC) After Failure Of Standard First-Line Chemotherapy, 2005-0517, 2006–2007, \$122,630, Genentech, Inc.

Principal Investigator, Study Chair, Treatment of Malignant Pleural Effusion with ZD6474, a Novel Vascular Endothelial Growth Factor Receptor (VEGFR) and Epidermal Growth factor Receptor (EGFR) Tyrosine Kinase Inhibitor, 2005-0929, 2006–2009, \$150,001 (\$50,000/year), MDACC/DOD/AstraZeneca

Principal Investigator, A Phase I Dose-Finding Study of the Anti-Angiogenesis Agent, AG-013736, in Combinations of Paclitaxel/Carboplatin and Docetaxel/Carboplatin in Patients with Advanced Solid Tumors, 2005-0999, 2006–2011, \$453,750, Pfizer, Inc.

Principal Investigator, A phase III, randomized, double-blinded, multi-center study to assess the efficacy of docetaxel (TAXOTERE) in combination with ZD6474 (ZACTIMA) versus docetaxel (TAXOTERE) in combination with placebo in patients with locally advanced or metastatic (stage IIIb-IV) non-small cell lung cancer after failure of 1st line anti-cancer therapy, 2006–2011, \$115,653, AstraZeneca

Principal Investigator, Phase I Dose Escalation Study of BMS-690514 in Patients With Advanced or Metastatic Solid Tumors, 2006-0467, 2006–2011, \$298,173, Bristol Myers Squibb

Principal Investigator, A Phase I, Open-label, Dose-Escalation Study to Assess Safety, Tolerability, and Pharmacokinetics of AZD4877 Administered Weekly or Every Two Weeks in Patients with Advanced Solid Malignancies, 2006-0578, 2006–2012, \$312,345, AstraZeneca Pharmaceuticals, LP

Principal Investigator, A Randomized, Double-Blind, Phase II Trial of Paclitaxel + Carboplatin + Bevacizumab with or without APOMAB in patients with previously untreated, advanced-stage non-small cell lung cancer, 2007-0551, 2007–2009, \$490,938, Genentech, Inc.

Principal Investigator, A Phase 1 Trial of Oral PX-478 (a HIF-1 Inhibitor) in Patients with Advanced Solid Tumors or Lymphoma (CT), 2007-0363, 2007–2010, \$649,404, ProIX

Principal Investigator, A Phase I Sequential Cohort, Dose Escalation Trial to Determine the Safety, Tolerability, and Maximum Tolerated Dose of Weekly Administration of GRN163L in Combination with Paclitaxel and Carboplatin in Patients with Advanced or Metastatic Non-Small Cell Lung Cancer (CT), 2007-0621, 2008–2013, \$122,740, Geron

Principal Investigator, A Phase I Trial of Oral PX-866 (a PI-3K Inhibitor) in Patients with Advanced Solid Tumors, 2007-0935, 2008–present, \$500,000 (\$179,939/year), Oncocyte

Principal Investigator, A Feasibility Study Investigating Translational Science in Chemo-Naive Patients with Stage IIIb or NSCLC Treated with Erlotinib, 2007-0928, 2009–present, Genentech, Inc.

Principal Investigator, Carboplatin/Paclitaxel or Carboplatin/Paclitaxel/Bevacizumab with or without Concurrent Cetuximab in Patients with Advanced Non-Small Cell Lung Cancer (NSCLC), funding based on \$2000 per patient enrolled, SWOG-S019, 2009–present, SWOG

Principal Investigator, A Randomized, Phase III Study Comparing Carboplatin/Paclitaxel or Carboplatin/Paclitaxel/Bevacizumab with or without Concurrent Cetuximab in Patients with Advanced Non-Small Cell Lung Cancer (NSCLC); SWOG-S0819,

Principal Investigator, A Biomarker-Integrated Targeted Therapy Study in Previously Treated Patients with Advanced Non-Small Cell Lung Cancer, MD Anderson Cancer Center, Battle 2 \$2,118,725.

Principal Investigator, A Phase I/IIa, First Time in human, open-label dose-escalation study of GSK2636771 in subjects with advanced solid tumors with PTEN deficiency, Glaxo Smith Kline; \$498,633.

Principal Investigator, A Phase I, Open-label, dose-escalation study of the safety and pharmacokinetics of MPDL3280A administered intravenously as a single agent to patients with locally advanced or metastatic solid tumors or hematologic malignancies, Genentech; \$2,611,584, 2012 - present

#### **Unfunded**

N/A

#### **Patents and Technology Licenses**

##### **Patents**

Powis G, Powis G, **Herbst R**, Jacoby J. Composition and Methods for Treating Lung Cancer, United States, PCT/US09/034060, 9/14/2010, Filed

Board of Regents, UT System, **Herbst RS**, Kim ES, Hong WK. Biomarker-based approaches of Targeted Therapy for Lung Cancer Elimination, United States, 61/325,132, 4/16/2010–4/16/2011, Pending

##### **Technology Licenses**

N/A

#### **Grant Reviewer/Service on Study Sections**

Cancer Therapy Evaluation Program (CTEP), NCI, Reviewer, Lung Cancer Concept Evaluation Panel, 2002–2003

CTEP Drug Development Group, NCI, Ad Hoc Reviewer, 2003–2004

Lung Cancer Research Program, Commonwealth of Kentucky, Grant Reviewer, 2003

Topical 'Biofilm' Treatment of Oral Leukoplakia, NIH, 1 R01 CA104543-01, 2003

Combination EGFR and COX-2 Inhibition in Advanced NSCLC, NIH, Grant Reviewer, 2005

Immuno/Immunogene Therapies for Thoracic Malignancies P01, NIH, Grant Reviewer Chair, 2005

Therapeutic Index of Acute Lymphoblastic Leukemia, NIH, Grant Reviewer, 2005

CTEP Drug Development Group, NIH, Ad Hoc Reviewer, 2006–2007

Clinical Oncology Study Section A, NCI, Ad Hoc Member, 2008–2011

Israel Cancer Research Fund, Grant Reviewer, 2013

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### **Peer-Reviewed Original Research Articles**

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**Invited Articles**

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141. Xin Y, Tohnya TM, **Herbst RS**, Mendelson DS, Eckhardt SG, O'Dwyer PJ, Novotny W, Allison DE, Lum BL, Jumbe N. Population pharmacokinetic (PPK) analysis of recombinant human Apo2L/TRAIL (rhApo2L/TRAIL) in a Phase 1a Study in advanced cancer and lymphoma. J Clin Oncol, 2008 ASCO Annual Meeting 26(15S) (#2525), 5/2008.
142. Dang TP, Salmon JS, Chen H, Chen S, Lee JW, Sandler AB, **Herbst RS**, Brahmer J, Carbone DP, Shyr Y. Predictive value of serum MALDI-TOF proteomic profiling from patients treated with erlotinib and bevacizumab for survival in patients with non-small cell lung cancer (NSCLC) treated with erlotinib alone. J Clin Oncol, 2008 ASCO Annual Meeting 26(15S) (#11014), 5/2008.
143. Salmon JS, Dang TP, Billheimer D, Roder H, Grigorieva J, Tsy-pin M, **Herbst RS**, Tsao AS, Tran H, Carbone DP. VeriStrat predicts survival in patients with non-small cell lung cancer (NSCLC) treated with erlotinib and bevacizumab. J Clin Oncol, 2008 ASCO Annual Meeting 26 (#8008), 5/2008.
144. **Herbst RS**, Stern H, Amler L, Otterson G, Lin M, O'Connor P, Hainsworth J. Biomarker Evaluation in the Phase III, Placebo (P)-Controlled, Randomized BeTa Trial of Bevacizumab (B) and Erlotinib (E) for Patients (Pts) with Advanced Non-Small Cell Lung Cancer (NSCLC) after Failure of Standard 1st-Line Chemotherapy: Correlation with treatment outcomes. IASLC 13th World Lung Conference on Lung Cancer (#Session: B2 - Oral Presentation), 8/2009.
145. Saura C, Baselga J, **Herbst RS**, del Campo J, Marotti M, Tessier J, Collins B, Heymach J. Antitumor activity of cediranib in patients with metastatic or recurrent head and neck cancer

- (HNC) or recurrent non-small cell lung cancer (NSCLC): An open-label exploratory study. *J Clin Oncol*, 2009 ASCO Annual Meeting 27(15s) (#6023), 2009.
146. Mack PC, Holland WS, Redman M, Lara PN, Snyder LJ, Hirsch FR, Franklin WA, Kim ES, **Herbst RS**, D. R. Gandara. KRAS mutation analysis in cetuximab-treated advanced stage non-small cell lung cancer (NSCLC): SWOG experience with S0342 and S0536. *J Clin Oncol* 27(15s) (#8022 ASCO Annual Meeting), 2009.
  147. Jimeno A, Hong DS, Hecker S, Clement R, Kurzrock R, Pestano LA, Hiscox A, Leos RA, Kirkpatrick DL, Eckhardt SG, **Herbst RS**. Phase I trial of PX-866, a novel phosphoinositide-3-kinase (PI-3K) inhibitor. *J Clin Oncol* 27(15s) (#3542 ASCO Annual Meeting), 2009.
  148. Gold KA, Lee JJ, Rice D, Tse W, Stewart D, Wistuba I, **Herbst RS**, Lippman SM, Hong WK, Kim ES. Phase II pilot study of neoadjuvant docetaxel and cisplatin followed by adjuvant erlotinib in patients with stage I-III non-small cell lung cancer (NSCLC). *J Clin Oncol* 27(15s) (#7566 ASCO Annual Meeting), 2009.
  149. Kim ES, **Herbst RS**, Lee JJ, Blumenschein F, Tsao A, Wistuba I, Alden C, Gupta S, Stewart D, Hong WK. Phase II randomized study of biomarker-directed treatment for non-small cell lung cancer (NSCLC): The BATTLE (Biomarker-Integrated Approaches of Targeted Therapy for Lung Cancer Elimination) clinical trial program. *J Clin Oncol* 27(15s) (#8024 ASCO Annual Meeting), 2009.
  150. Zinner R, **Herbst RS**, Fossella FV, Johnson FM, Karp DD, Kies MS, Heymach JV, Price JS, Lippman SM, Erasmus J. Results from short-term CT assessments in patients (pts) with advanced poor performance status non-small cell lung cancer (NSCLC) receiving pemetrexed in a phase II trial. *J Clin Oncol* 27(suppl) (#e19069 ASCO Annual Meeting), 2009.
  151. Otterson GA, O'Connor PG, Lin M, **Herbst RS**. Safety of bevacizumab (B) and erlotinib (E) therapy in patients (pts) with treated brain metastases (mets) in the phase III, placebo (P)-controlled, randomized BeTa trial for pts with advanced non-small cell lung cancer (NSCLC) after failure of standard first-line chemotherapy. *J Clin Oncol* 27(suppl) (#e19025 ASCO Annual Meeting), 2009.
  152. Franklin WA, Gandara DR, Kim ES, **Herbst RS**, Moon J, Redman MW, Olsen C, Hirsch FR, Mack P, Kelly K. SWOG S0342 and S0536: Expression of EGFR protein and markers of epithelial-mesenchymal transformation (EMT) in cetuximab/chemotherapy-treated non-small cell lung cancer (NSCLC). *J Clin Oncol* 27(15s) (#11076 ASCO Annual Meeting), 2009.
  153. Bahleda R, Soria J, Harbison C, Park J, Felip E, Hanna N, Laurie SA, Armand J, Shepherd FA, **Herbst R**. Tumor regression and pharmacodynamic (PD) biomarker validation in non-small cell lung cancer (NSCLC) patients treated with the ErbB/VEGFR inhibitor BMS-690514. *J Clin Oncol* 27(15s) (#8098 ASCO Annual Meeting), 2009.
  154. **Herbst RS**, Sun Y, Korfee S, Germonpré P, Saijo N, Zhou C, Wang J, Langmuir P, Kennedy SJ, Johnson BE. Vandetanib plus docetaxel versus docetaxel as second-line treatment for patients with advanced non-small cell lung cancer (NSCLC): A randomized, double-blind phase III trial (ZODIAC). *J Clin Oncol* 27(18s) (#CRA8003 ASCO Annual Meeting), 2009.
  155. Saintigny P, Zhang L, Girard L, Xu L, Byers L, Kadara H, Fan Y, Lee J, Coombes K, Lam C, Gerald W, Beer D, Hisayuki S, Tsao M, Shepherd F, Tang X, **Herbst R**, Kim E, Papadimitrakopoulou V, Lippman S, Mao L, Hong W, Wistuba I, Minna J, Heymach J. An EGFR gene expression signature predicts EGFR mutation status and clinical outcome in early stage lung adenocarcinomas and identifies metastasis associated in colon cancer 1(MACC1) as an EGFR mutant-associated regulator of MET (Oral Presentation and Poster Session). 2010 CPRIT Innovations in Cancer Prevention and Research Conference Abstracts:2 (#8), 11/2010.
  156. **Herbst R**, Mims M, Schiller J, Karnad A, Reynolds C, Hellerstedt B, Campos L, Nemunaitis J, Ruud C, Kim E, Beaudet A, Gibbs R, Ayala G, Berry D, Hilsenbeck S, Buzdar A, Elting L, Poplack D. The Cancer Trials Network of Texas (CTNeT) (Poster Session). 2010 CPRIT Innovations in Cancer Prevention and Research Conference Abstracts:57 (#217), 11/2010.
  157. Jacoby JJ, Erez B, Takahashi O, Korshunova MV, Hosho K, Powis G, O'Reilly MS, **Herbst RS**. Addition of the HIF-1 $\alpha$  inhibitor PX-478 enhances the therapeutic efficacy of EGFR inhibitors in an orthotopic human lung adenocarcinoma model (Poster Session). *Proc Amer Assoc Cancer Res* (#3632), 2010.

158. Jimeno A, **Herbst RS**, Falchook GS, Messersmith WA, Hecker S, Peterson S, Hausman DF, Kurzrock R, Eckhardt SG, Hong DS. Final results from a phase I, dose-escalation study of PX-866, an irreversible, pan-isoform inhibitor of PI3 kinase (General Poster Session). J Clin Oncol, 2010 ASCO Annual Meeting 28:7s (#3089), 2010.
159. Burris H, Rodon J, Sharma S, **Herbst RS**, Tabernero J, Infante JR, Silva A, Demanse D, Hackl W, Baselga J. First-in-human phase I study of the oral PI3K inhibitor BEZ235 in patients (pts) with advanced solid tumors. J Clin Oncol, 2010 ASCO Annual Meeting 28:7s (#3005), 2010.
160. Ihle NT, Kingston J, Gumbiner-Russo L, Byers L, Yordy J, Giri U, Heymach JV, Minna J, Larsen J, **Herbst R**, Powis G. KRas mediated induction of HIF-1 $\alpha$  in normoxia promotes tumorigenesis and identifies HIF-1 $\alpha$  as a therapeutic target (Poster Session). Proc Amer Assoc Cancer Res (#306), 2010.
161. Saintigny P, Byers LA, Zhang L, Yordy JS, Tang XM, Girard L, Lang W, Fan YH, Ji L, Lee JJ, Kim ES, Hong WK, Lippman SM, **Herbst RS**, Minna J, Wistuba II, Heymach JV, Mao L. MYC downregulation and chemoresistance in non-small cell lung cancer (NSCLC): Evidence from the Biomarker-Based Approaches of Targeted Therapy for Lung Cancer Elimination (BATTLE) program (Poster Session). Proc Amer Assoc Cancer Res (#1981), 2010.
162. Tibes R, Falchook GS, Von Hoff DD, Weiss GJ, Iyengar T, Kurzrock R, Pestano L, Lowe AM, **Herbst RS**. Results from a phase I, dose-escalation study of PX-478, an orally available inhibitor of HIF-1 $\alpha$  (General Poster Session). J Clin Oncol, 2010 ASCO Annual Meeting 28:7s (#3076), 2010.
163. **Herbst RS**, Blumenschein GR, Jr., Kim ES, Lee J, Tsai AS, Alden CM, Liu S, Stewart DJ, Wistuba II, Hong WK. Sorafenib treatment efficacy and KRAS biomarker status in the Biomarker-Integrated Approaches of Targeted Therapy for Lung Cancer Elimination (BATTLE) trial (General Poster Session). J Clin Oncol, 2010 ASCO Annual Meeting 28:7s (#7609), 2010.
164. Yan W, Shih JH, Raso MG, Rodriguez-Canales J, Behrens C, Papadimitrakopoulou VA, **Herbst RS**, Emmert-Buck MR, Wistuba II, Erickson HS. Targeted-therapy related molecular biomarker characterization in NSCLC smokers and never-smokers by a novel qRT-PCR for microdissected tissues methodology (Poster Session). Proc Amer Assoc Cancer Res (#794), 2010.
165. Kim ES, **Herbst RS**, Lee JJ, Blumenschein GR, Jr., Tsao A, Alden CM, Tang X, Liu S, Stewart DJ, Heymach JV, Tran HT, Hicks ME, Erasmus J, Jr., Gupta S, Powis G, Lippman SM, Wistuba II, Hong WK. The BATTLE trial (Biomarker -integrated Approaches of Targeted Therapy for Lung Cancer Elimination): personalizing therapy for lung cancer (Plenary Session). Proc Amer Assoc Cancer Res (#LB-1), 2010.
166. Johnson BE, Ryan AJ, Heumach J, Stephens C, Kennedy SJ, Langmuir PB, **Herbst RS**. Tumor biomarker analyses from the phase III ZODIAC study of docetaxel (D) plus or minus vandetanib (VAN) in second-line advanced NSCLC. J Clin Oncol, 2010 ASCO Annual Meeting 28:7s (#7516), 2010.
167. Hosho K, Komaki R, Tailor R, Ryan A, Jürgensmeier JM, Smith PD, Jacoby JJ, Takahashi O, Korshunova MV, Erez B, **Herbst RS**, O'Reilly MS. VEGF or VEGF and EGF receptor signaling inhibition by cediranib or vandetanib enhances the therapeutic effects of chemoradiation in an orthotopic small cell lung cancer model (Poster Session). Proc Amer Assoc Cancer Res (#3435), 2010.
168. Takahashi O, Komaki R, Tailor R, Jürgensmeier JM, Ryan A, Smith PD, Jacoby JJ, Hosho K, Korshunova MV, Erez B, **Herbst RS**, O'Reilly MS. VEGFR signaling inhibition by cediranib enhances the antitumor and anti-metastatic effects of chemotherapy and radiation in an orthotopic human lung cancer model (Poster Session). Proc Amer Assoc Cancer Res (#1397), 2010.

**Book Chapters**

1. **Herbst RS**, Babiss LE. Regulation of liver gene expression during development and regeneration. In: Mechanisms of Differentiation. CRC Press, 15-48, 1990.
2. **Herbst RS**, Babiss LE. The state of cellular differentiation determines the activity of the adenovirus E1A enhancer element: Negative regulation of the E1A enhancer in undifferentiated rodent cells and its effect on adenovirus transformation. In: Genetic Mechanisms in Carcinogenesis and Tumor Progression. J. Wiley and Sons, 213-215, 1990.
3. **Herbst RS**, Kantoff P. Chemotherapy for testicular cancer. In: Advances in Urology. 9, 6th. Mosby: Chicago, 25-38, 1996.
4. **Herbst RS**, Teicher BA. Potential of antiangiogenic agents in systemic therapy for non-small cell lung cancer. In: Infusion Chemotherapy-Irradiation Interactions. Elsevier Science, 305-330, 1998.
5. Dang NH, **Herbst RS**, Skarin AT. Chemotherapy of advanced non-small cell lung cancer. In: Multimodality Treatment of Lung Cancer. Marcel Dekker, 235-280, 1999.
6. **Herbst RS**, Khuri FR, Hong WK. Chemoprevention: scientific rationale and clinical studies. In: Lung Cancer: Principles and Practice. Lippincott Williams & Wilkins, 438-450, 2000.
7. Onn A, **Herbst RS**. Angiogenesis, metastasis, and lung cancer: An overview. In: Molecular Pathology Methods and Review. 1. Humana Press, 329-348, 2002.
8. Massarelli E, Onn A, Zinner R, Khuri FR, Kim ES, **Herbst RS**. New targets for the treatment of advanced non-small cell lung cancer. In: Cancer Chemotherapy and Biological Response Modifiers. Annual 20, Chapter 35. Ed(s) Giaccone G, Schilsky R, Sondel P. Elsevier Science: Amsterdam, The Netherlands, 717-61, 2002.
9. **Herbst RS**, Onn A, Mendelsohn J. The role of growth factor signaling in malignancy. In: Signal Transduction in Cancer. Kluwer Academic Publishers, 19-72, 2003.
10. **Herbst RS**, LoRusso P, Isobe T, Hurwitz HI. Angiogenesis pathway inhibitors. In: Cancer Chemother Biol Response Modif. 22. Elsevier Science, in press, 2005.
11. Onn A, **Herbst RS**. Changing the landscape of non-small-cell lung cancer therapy. In: Cancer Principles & Practice Oncology. 19. Wolters Kluwer Health-Lippincott Williams & Wilkins Healthcare, 1-8, 2005.
12. Onn A, Vaporciyan AA, Chang JY, Komaki R, Roth JA, **Herbst RS**. Cancer of the lung. In: Holland Frei Cancer Medicine, 7. Ed(s) Bast RC, Jr., Hait W, Hong WK, Pollock RE, Weichselbaum RR, Holland JF, Frei E, III. BC Decker Inc.: Ontario, Canada, 1179-1224, 2006.
13. LoRusso PM, Bekele BN, Boerner SA, Davis DW, Evelhoch JL, **Herbst RS**. Phase 1 Trials Today. In: Molecular Basis of Cancer Therapy, 3. Ed(s) Mendelsohn J, Howley PM, Israel MA, Gray J, Thompson CB. Saunders: U.S., 2008.
14. LoRusso PM, Ryan AJ, Boerner SA, **Herbst RS**. Small-Molecule Tyrosine Kinase Inhibitors. In: CANCER: Principles & Practice of Oncology. 1, 8. Ed(s) DeVita VT, Jr, Lawrence TS, Rosenberg SA. Lippincott Williams & Wilkins: U.S., 457-468, 2008.
15. Bar J, Onn A, **Herbst RS**. Molecular events surrounding the angiogenic switch of lung cancer. In: Lung Cancer: Principles and Practice, Fourth. Ed(s) Pass HI, Carbone DP, Johnson DH, Minna JD, Turrisi AT, Scagliotti GV. Lippincott Williams & Wilkins: U.S., 113-34, 2010.

**Books (edited and written)**

1. Ed(s) Davis DW, **Herbst RS**, Abbruzzese JL. Antiangiogenic Cancer Therapy. CRC Press: Atlanta, GA, 2007.
2. editor-in-chief, Maurie Markman. Ed(s) Jaffer A. Ajani, Richard R. Barakat, Elihu H. Estey, Mark R. Gilbert, **Roy S. Herbst**, Paulo M. Hoff, Douglas A. Levine, Ashfaq A. Marghoob, Barbara A. Murphy, Shreyaskumar Patel, Edith A. Perez, Daniel P. Petrylak, Anas Younes. Atlas of Cancer, Second. Springer: Philadelphia, 2008.

**Letters to the Editor**

1. **Herbst RS**, Giaccone G. Letter in response to: Gefitinib and cisplatin-based chemotherapy in non-small-cell lung cancer: simply a bad combination? J Clin Oncol 23(4):930-1, 2/2005.
2. Hirsch FR, **Herbst RS**, Olsen C, Chansky K, Crowley J, Kelly K, Franklin WA, Bunn PA, Valerra-Garcia M, Gandara DR. In Reply to "Can EGFR-FISH predict clinical benefit from

cetuximab treatment in patients with non-small-cell lung cancer?" by Toshimi Takano, et.al. J Clin Oncol 27(3):465-7, 1/2009.

**Manuals, Teaching Aids, Other Teaching Publications**

1. Kies MS, **Herbst RS**. Head and neck cancer. Cambridge University Press, 207-216, 2003.
2. **Herbst RS**. BCEI.org. e-Pub 2006.
3. **Herbst RS**. BCEI.org. e-Pub 2007.
4. **Herbst RS**. CME PeerView Initiative on Lung Cancer. e-Pub 2007.
5. **Herbst RS**. Lung Cancer eJournal Club. e-Pub 2007.
6. **Herbst RS**. Lung Cancer eJournal Club. e-Pub 2008.

**Other Publications**

N/A

**EDITORIAL AND REVIEW ACTIVITIES**

**Editor/Service on Editorial Board(s)**

Associate Editor, Clinical Lung Cancer, 2007–present

Senior Editor, Clinical Cancer Research, AACR, 2009–present

Editorial Board, AACR Molecular Cancer Therapeutics, 2001–present

Editorial Board, Clinical Cancer Research, 2001–present

Editorial Board, Clinical Lung Cancer, 2002–present

Editorial Board, Investigational New Drugs, 2002–present

Editorial Board, Signal, 2003–2008

Editorial Board, Clinical Advances in Hematology & Oncology, 2003–present

Associate Editor, American Journal of Clinical Oncology, 2004

Editorial Board, Cancer Investigation, 2004

Editorial Board, Journal of Clinical Oncology, Phase I and Clinical Pharmacology, 2004–2009

Associate Editor, Seminars in Oncology, 2006

Associate Editor, The Oncology Report, International Medical News Group division of Elsevier, 2007–2010

Editorial Board, The Cancer Journal: The Journal of Principles and Practice of Oncology, 2007

Editorial Board, Cancer Research, 2010–2012

**Member of Editorial Review Board**

N/A

**Journal Reviewer**

Reviewer, Annals of Oncology, Oxford University Press, 2008

Reviewer, Cancer Chemotherapy and Pharmacology

Reviewer, Cancer Discovery

Reviewer, Cancer Research

Reviewer, Clinical Cancer Research

Reviewer, Journal of Clinical Oncology

Reviewer, Lancet Oncology

Reviewer, Molecular Cancer Therapeutics

Reviewer, Nature Reviews-Oncology

Reviewer, New England Journal of Medicine

Reviewer, Science

**Other Editorial and Review Activities**

N/A

**TEACHING**

**Teaching Outside Institution - The University of Texas MD Anderson Cancer Center**

**Formal Teaching**

**Courses Taught**

Lecturer, Molecular Mechanisms of Disease: Angiogenesis inhibitors  
1997

Lecturer, Small Cell Lung Cancer  
10/1998

Lecturer, Angiogenesis as a Therapeutic Target in a Metastatic Disease  
1998

Lecturer, Angiogenesis in Head and Neck Cancer  
1998

Lecturer, Emerging Therapies for NSCLC  
1999

Lecturer, New Drugs for NSCLC  
2000

Lecturer, Lung Cancer  
2001-2003

Lecturer, Translational Research  
3/2004

Lecturer, Targeted Therapies, Human Biology and Patient Based Research  
11/2004

Course Director, Angiogenesis Inhibitors in NSCLC: Applying Clinical Data to Clinical Practice, Course Hours: 1  
11/2006-11/2007

Co-Course Director, Clinical Update on Antiangiogenic Therapy in NSCLC  
4/2007-4/2008

Instructor, Mechanisms in Cancer Therapeutics, Course Number: GS04-0213, Course Hours: 1  
Spring, 2008

Instructor, The Biology of Cancer Metastasis, Course Number: GS040093  
Spring, 3/2010

Faculty, 2010 NSCLC Curriculum  
2010

**Training Programs**

Faculty, Methods in Clinical Cancer Research, AACR/ASCO Workshop  
1998-2000  
2006-2008

Faculty, Cases Cubed: 3 Cases, 3 Expert Opinions in Non-Small-Cell Lung Cancer  
12/2009-12/2010

Faculty, Clinical Insight: Implications of Recent Data in NSCLC on Clinical Practice  
12/2009–12/2010

Program Director, Practice in Evolution: Optimal Management of NSCLC  
12/2009–12/2010

**Other Formal Teaching**

Lecturer, M. D. Anderson Cancer Center - Oncology Board Review  
1999

Lecturer, Meet the Professor - ASCO Clinical Practice Forum  
2000–2004

Lecturer, Meet the Professor - M. D. Anderson Cancer Center Cancer Course  
2000

Co-Program Director, Targeted Therapy for Lung Cancer  
2002–2009

Program Faculty, Novel Agents in the Treatment of Lung Cancer: Advances in EGFR  
Inhibitors  
2009–2010

Faculty, Lung Cancer Update/Conversations with Oncology Investigators: Bridging the  
Gap between Research and Patient Care  
2009

Lecturer, Davenport Master's Tea, 2013

**Supervisory Teaching**

**Committees**

**Advisory Committees**

Yale University, New Haven, CT, Freshmen Advisor, 2011-present

**Supervisory Committees**

N/A

**Examining Committees**

N/A

**Direct Supervision**

**Undergraduate and Allied Health Students**

N/A

**Medical Students**

N/A

**Graduate Students**

N/A

**Postdoctoral Research Fellows**

Mentor, Dr. Amir Onn, Medical Oncology Fellow, 2001–2007

Mentor, Dr. Wenjuan Wu, Postdoctoral Fellow, 2002–2007

Mentor, Laboratory Projects, Dr. Erminia Massarelli, 5/2004–4/2007

**Clinical Residents and Fellows**

Preceptor, Dr. Clarissa Geyer, Medical Oncology Fellow, 1/1998–6/1998

Mentor, Dr. Ralph Zinner, Medical Oncology Fellow, 6/1998–7/1999

Mentor, Dr. George R. Blumenschein, Jr., Medical Oncology Fellow, 6/1998–7/2000

Mentor, Dr. Jennifer Tseng, Medical Oncology Fellow, 1999

Co-Mentor, Dr. Edward S. Kim, Medical Oncology Fellow, 2000–2002

Mentor and Preceptor, Dr. Quinghu Henry Xiong, Medical Oncology Fellow, 2000–2002

Mentor, Dr. Eric Mininberg, Medical Oncology Fellow, 2001–2003

Mentor, Clinical Projects, Dr. Erminia Massarelli, 4/2001–12/2001

Mentor, Dr. Balvinder Johal, 2008

Mentor, Dr. Pierre Saintigny, 7/2010–present

Preceptor, Dr. George R. Blumenschein, Jr., Medical Oncology Fellow

Mentor, Dr. Krishna Gunturu, Medical Oncology Fellow, 2009 - 2011

Mentor, Dr. Vamsidhar Velchetti, Medical Oncology Fellow, 2010 - 2013

Mentor, Dr. Joseph McLaughlin, Medical Oncology Fellow, 2011 - present

**Other Supervisory Teaching**

Mentor, Dr. Takeshi Isobe, Assistant Professor, 2002–2006

Mentor, Dr. Anne Tsao, Medical Oncology Fellow, 2003–2004

Mentor, Dr. James W. Welsh, Assistant Professor, Clinical Faculty, 2009–present

**Teaching Inside of Current Institution**

**Formal Teaching**

**Courses Taught**

Personalized Therapy for Cancer: Tumor Profiling, Genes and Novel Drugs, Davenport College Masters Tea, Yale University, School of Medicine, 3/2012

Translation for Lung Cancer, Yale University, School of Medicine, 4/2012

**Training Programs**

N/A

**Other Formal Teaching**

Lecturer, Personalized Therapy for Advanced non-Small Cell Lung Cancer, Yale Cancer Center Evening Oncology Series: Lung Cancer, Yale Cancer Center Smilow Cancer Hospital, May 10, 2012

**Supervisory Teaching**

**Committees**

**Advisory Committees**

Medical Student Teaching, Yale University, 5/30/2012 (M. DiGiovanna)

**Supervisory Committees**

N/A

**Examining Committees**

N/A

**Direct Supervision**

**Undergraduate and Allied Health Students**

Marina Horiates, Yale University, Davenport College, 2012-13

Mark Forsborg, Yale University, Davenport College, 2012-13

**Medical Students**

N/A

**Graduate Students**

N/A

**Postdoctoral Research Fellows**

N/A

**Clinical Residents and Fellows**

N/A

**Other Supervisory Teaching**

N/A

**CONFERENCES AND SYMPOSIA**

**Organization of Conferences/Symposia (Include chairing session)**

NCI Head and Neck Workshop, Bethesda, MD, Section Leader - Section on Antiangiogenic, 2/1999

4th Annual Taiwan Oncology Conference, Taipei, Taiwan, Keynote Speaker, 4/1999

Piedmont Oncology Association Spring Meeting, Winston-Salem, NC, Keynote Speaker, 4/1999

Southwest Oncology Group Conference, Phoenix, AZ, Keynote Speaker, 4/1999

First Tokyo International Seminar on Lung Cancer Therapy, Tokyo, Japan, Keynote Speaker, 7/1999

36th ASCO 2000 Annual Meeting, New Orleans, LA, Education Session Speaker, 5/2000

Fifth Annual Advances in Solid Tumors Meeting, Amelia Island, FL, Faculty Member, 10/2000

First Annual Opinion Leader Roundtable-Targeted Therapies in the Treatment of Lung Cancer, Aspen, CO, Session Chairman, 1/2001

26th International Congress of Internal Medicine-Molecular Target-based Therapy for Neoplasma, Kyoto, Japan, Keynote Speaker, 5/2002

2002 Genentech Solid Tumor Investigators' Meeting, Avastin, Tarceva, 2C4, and Herceptin for a Scientific Exploration of the Respective Roles of these Agents in the Treatment of Solid Tumors, Scottsdale, AZ, Scientific Exploration, 9/2002

NOCR Annual Oncology Fellows Meeting, Career Opportunities in the Practice of Oncology, Atlanta, GA, 10/2002

IRESSA Opinion Leader Summit Meeting for Non-Small Cell Lung Cancer, Washington, DC, Chair, 11/2002

ASCO Molecular Therapeutics Symposium, San Diego, CA, Faculty Member, 11/2002

Third Annual Opinion Leader Summit Meeting for Targeted Therapies for the Treatment of Lung Cancer, Aspen, CO, Co-Chairman, 1/2003

NCCN 8th Annual Conference, Hollywood, FL, Keynote Speaker, 3/2003

NCCN Annual Investigators Meeting, New York, NY, Keynote Speaker, 11/2003

Chemotherapy Foundation Symposium XXI on Innovative Cancer Therapy for Tomorrow, New York, NY, 11/2003

IRESSA (gefitinib, ZD1839): Opinion Leader Summit Meeting, Boston, MA, Chair, 11/2003

RTOG Conference, New Orleans, LA, Vice-Chairman-Lung Committee, 1/2004

2004 Targeted Therapies for the Treatment of Lung Cancer Investigators' Meeting, San Diego, CA, Chair, 2/2004

RTOG Semi-Annual Meeting, Washington, DC, Vice-Chairman-Lung Committee, 6/2004

Fifth International Lung Cancer Congress, Kauai, HI, Co-chairman, Moderator, 6/2004

Fourth Annual EGFR Summit 2005, Boca Raton, FL, 4/2005

Southwest Oncology Group, Fall 2005 Group Meeting, Dallas, TX, 10/2005

Scientific Leadership Council in Lung Cancer-Coalition of Cancer Cooperative Groups, Scientific Dialogue with Associated Constituencies, Santa Monica, CA, 1/2006

International Lung Cancer Congress, Eighth International Lung Cancer Congress, Maui, HI, Co-Chairman, Lecturer, Moderator, Speaker, 6/2007

American Association for Cancer Research (AACR), 100th AACR 2009 Annual Meeting, Denver, CO, Co-Chairperson, Program Committee, 2008

2008 ASCO 44th Annual Meeting, Chicago, IL, Faculty Member, 2008

International Association for the Study of Lung Cancer (IASLC), 8th Annual Targeted Therapies of the Treatment of Lung Cancer, Santa Monica, CA, Chair: "Proapoptotic Agents," and Presenter, 2/2008

American Association for Cancer Research (AACR), Clinical Plenary Session 1: Breakthroughs in Phase I, II, and III Clinical Trials, San Diego, CA, Moderator, 4/2008

International Lung Cancer Congress, Ninth International Lung Cancer Congress, Maui, HI, Lecturer, Program Director, 6/2008

AACR Cancer Biostatistics Workshop Developing Targeted Agents, Sonoma, CA, Member, Scientific Program Committee; Faculty Member, 7/2008

ResearchAmerican Association for Cancer Research (AACR), 2008 AACR/ASCO Workshop on Methods in Clinical Cancer, Vail, CO, Representative, Workshop Program Committee, 8/2008

Personalized Therapies for Lung Cancer and Head and Neck Cancer, First Annual Symposium on Personalized Therapies for Lung Cancer and Head and Neck Cancer, Chicago, IL, Chair, CME Symposium Member, Organizing Committee, Presenter, 9/2008

Southwest Oncology Group, Fall 2008 Group Meeting, Chicago, IL, Member, Lung Cancer Committee, 10/2008

Center for Biomedical Continuing Education, Oncology Unplugged: Using Molecular and Histological Markers to Select Chemotherapy regimens for Patients With NSCLC, Chicago, IL, Chair, Oncology Unplugged-Molecular Predictive Markers for Lung Cancer: How Close Are We to Fulfilling the Promise of Personalized Medicine?, 11/2008

The Center for Biomedical Continuing Education (CBCE), Oncology Unplugged interview entitled "Using Molecular Markers to Select Chemotherapy Regimens for Patients With NSCLC," Chicago, IL, Program Chair, 11/2008

AACR-IASLC Joint Conference, Molecular Origins of Lung Cancer: Prospects for Personalized Prevention and Therapy, Coronado, CA, Co-Chairperson, Program Committee, 2009

International Association for the Study of Lung Cancer (IASLC), 13th World Conference on Lung Cancer 2009, San Francisco, CA, Member, Medical Oncology Section of the Core Program Committee, 2009

Current Issues in the Management of Non-Small Cell Lung Cancer, Annenberg Center for Health Sciences, Santa Monica, CA, Chair/Moderator, 2/2009

American Association for Cancer Research (AACR), "Molecular Biology in Early Phase Clinical Trials" forum, Denver, CO, Moderator, 4/2009

Vandetanib Advisory Board Meeting, AstraZeneca, Saint Paul de Vence, France, Chair, 4/2009

10th International Lung Cancer Congress, Kohala Coast, HI, Faculty, 6/2009

New & Emerging Strategies for Targeting Non-Small Cell Lung Cancer, 13th World Congress on Lung Cancer, San Francisco, CA, Program Chair/Moderator, 7/2009

Pazopanib Lung Cancer Advisory Board Meeting, GlaxoSmithKline Oncology, San Francisco, CA, Chair, 7/2009

Hoffman-LaRoche Advisory Board Meeting, San Francisco, CA, Advisor, 8/2009

Novartis Pipeline in Lung Cancer Advisory Board Meeting, San Francisco, CA, Advisor, 8/2009

Second Annual Symposium on Personalized Therapies and Best Clinical Practices for Lung Cancer and Head and Neck Cancer, Philadelphia, PA, Chair, 8/2009

Summit Task Force, Summit Series on Clinical Trials, Alexandria, VA, Partner with Distinction, 11/2009

AACR-IASLC Joint Conference on the Molecular Origins of Lung Cancer: Prospects for Personalized Prevention and Therapy, Coronado, CA, Chair, 1/2010

10th Annual Targeted Therapies of The Treatment of Lung Cancer, International Association For The Study of Lung Cancer, Santa Monica, CA, Chair, 2/2010

Extending the Spectrum of Precompetitive Oncology Biomedical Research, Institute of Medicine (IOM), Washington, DC, Member, Planning Committee, 2/2010

Current Trends in Lung and Head & Neck Cancer, Chicago, IL, Program Director, 3/2010

Molecular Cancer Therapeutics, Centro Nacional de Investigaciones Oncológicas (CNIO), Madrid, Spain, Organiser, 3/2010

Molecular Cancer Therapeutics, Centro Nacional de Investigaciones Oncológicas (CNIO), Madrid, Spain, Chair, 3/2010

Integrating Science and Policy to Combat the Global Tobacco Epidemic, AACR 101st Annual Meeting 2010, Washington, DC, Moderator, 4/2010

Personalized Therapy of Advanced Non-small Cell Lung Cancer, AACR 101st Annual Meeting 2010, Washington, DC, Chair, 4/2010

AACR Translational Cancer Medicine, AACR, San Francisco, CA, Chair, 7/2010

Physicians' Education Resource, 11th International Lung Cancer Congress, Rancho Palos Verdes, CA, Program Director, 7/2010

Physicians' Education Resource - Maintenance and Second-Line Therapy in Advanced NSCLC, 11th International Lung Cancer Congress, Rancho Palos Verdes, CA, Chair, 7/2010

Physicians' Education Resource - State-of-the-Art Treatment of Advanced Lung Cancer (Part 1), 11th International Lung Cancer Congress, Rancho Palos Verdes, CA, Chair, 7/2010

Physicians' Education Resource - Third Annual Addario Foundation Keynote lecture, 11th International Lung Cancer Congress, Rancho Palos Verdes, CA, Chair, 7/2010

University of Nebraska Medical Center, Lung Cancer Summit, Houston, TX, Chair, 8/2010

AACR Molecular Diagnostics in Cancer Therapeutics Development: Challenges and New Horizons, AACR, Denver, CO, Chair, 9/2010

The University of Texas MD Anderson Cancer Center, 2010 Symposia on Cancer Research, Personalized Cancer Therapy and Prevention, Houston, TX, Session Co-chair, 10/2010

2010 Chicago Multidisciplinary Symposium in Thoracic Oncology, Chicago, IL, Faculty Member, 12/2010

11th Annual Targeted Therapies of The Treatment of Lung Cancer, International Association For The Study of Lung Cancer, Santa Monica, CA, Chair, 2/2011

2012 ASCO Annual Meeting. Symposium chair: "Targeting Histology & Oncogenic Drivers of NSCLC: Guidelines & Evidence – an Interactive Tumor Board." 6/3/2012

Questions and Answers, Progress on the Treatment of Lung Cancer, Cancer Care Teleconference, 4/20/2012

Moderator, 2<sup>nd</sup> Annual Yale Talks About Drug Discovery & Translational Medicine, Yale University, New Haven, CT 5/12/2012

American Thoracic Society, Pulmonary Personalized Medicine Challenge, San Francisco, CA, 5/2012

Cancer Research is Saving Lives, Reserve Officers Association, Washington, DC, 5/2012

Course Director, Yale ASCO Review 2012, Highlights of the Annual Meeting, Yale Cancer Center, Yale New Haven, 6/22/2012

Workshop Planning Committee Chair, National Cancer Policy Forum Workshop on Reducing Tobacco-related Cancer Incidence and Mortality, Washington, DC. 6/11-12/2012.

Co-Program Director of the "13<sup>th</sup> International Lung Cancer Congress," Huntington Beach, CA. 7/19-22/2012

Co-Chair of the "5<sup>th</sup> Annual Symposium on Personalized Therapies and Best Clinical Practices for Lung Cancer." Los Angeles, CA. 9/29/2012

Co-Chair of the 13<sup>th</sup> Annual Targeted Therapies of Lung Cancer Meeting sponsored by the IASLC. Santa Monica, CA. 2/20-23/2013

2013 International Lung Cancer Congress, Program Director, Huntington Beach, CA 7/25-27/2013

Co-Chair of the 14<sup>th</sup> Annual Targeted Therapies of Lung Cancer Meeting, sponsored by the IASLC. Santa Monica, CA, 02/19-22/2014

## **Presentations at National or International Conferences**

### **Invited**

Angiogenesis Inhibitors: Preclinical Studies and Ongoing Clinical Trials, Third Annual Oncology Conference, Missouri Cancer Society, Lake Ozark, MO, 4/1/1998

Medical Management of Non-small Cell Lung Cancer: Combined Modalities, Induction versus Adjuvant Therapy, Facing the Challenges of Non-Small-Cell Lung Cancer Symposium, Oklahoma City, OK, 6/25/1998

Emerging Clinical Trials with Angiogenesis Inhibitors, 5th Research Workshop-Biology, Prevention, and Treatment of Head and Neck Cancer, McLean, VA, 8/26/1998

Research and Current Clinical Experiences and Planned Clinical Trials with Gemzar Doublets in the Treatment of Lung Cancer, Eli Lilly Lung Cancer Consultants' Meeting, Montreal, Canada, 9/12/1998

Therapy for Advanced Non-small Cell Lung Cancer: New Cytotoxic Drugs and Antiangiogenesis Approaches, American Oncology Resources, 1998 Fall Conference, West Palm Beach, FL, 10/16/1998

Antiangiogenesis: Current Studies and Future Trials, Clinical Community Oncology Program, Grand Rapids, MI, 12/10/1998

Gemcitabine in Non-small Cell Lung Cancer, Antimetabolites in Lung Cancer Advisory Board Meeting, Minneapolis, MN, 12/12/1998

Non-small Cell Lung Cancer, US Oncology Community Advisory Board Annual Meeting, Palm Springs, CA, 1/22/1999

TNP-470: Preclinical Data and Current Clinical Studies, First International Symposium on Antiangiogenic Agents, Irving, TX, 1/29/1999

Gemcitabine and Vinorelbine Combinations in Patients with Untreated or Previously Treated Non-small Cell Lung Cancer, Symposium on Non-platin Based Therapy, Philadelphia, PA, 4/8/1999

Platinum-based Regimens for Advanced Non-small Cell Lung Cancer, Effective Management of Advanced NSCLC Symposium, Philadelphia, PA, 4/10/1999

Combinations of Chemotherapy with Biologic Agents in the Treatment of Advanced Solid Tumors and A New Paradigm: Biologic Therapy Plus Cytotoxic Chemotherapy, 14th Annual Scientific Meeting of the Society for Biological Therapy, Cambridge, MA, 10/1/1999

Current Status of First Line Platinum- based Combinations and Biotherapy in Non-small Cell Lung Cancer, 4th Annual Perspectives in Thoracic Cancer, Dallas, TX, 10/1/1999

Herceptin in Lung Cancer, 3rd Annual Fall Oncology Conference, Advances in Solid Tumors, Amelia Island, FL, 10/2/1999

Gemzar and Navelbine Combinations in NSCLC, Eli Lilly Oncology Lung Cancer Consultants' Meeting, St. Julians, Malta, 10/14/1999

Angiogenesis as a Therapeutic Target in Solid Tumors, New Drugs in GI Malignancies: A Look to the Next Century, Paris, France, 1/1/2000

Phase I Trial of Human Endostatin, NCI CTEP Drug Development and Phase I Meeting, Bethesda, MD, 2/29/2000

Lung Cancer Session, 2000 US Gemzar Investigators Meeting, San Antonio, TX, 3/4/2000

Antiangiogenesis, Optimizing Pharmacotherapy of the Oncology Patient: Making a Difference, Savannah, GA, 3/24/2000

Angiogenesis as a Therapeutic Target in Solid Tumors, 8th Annual Radiation Workshop: the Biology Based Combined Modality Radiotherapy, Round Top, TX, 4/14/2000

Angiogenesis Inhibitors: Where Do We Stand Now?, National Surgical Adjuvant Breast and Bowel Project Annual Meeting, New Orleans, LA, 6/12/2000

Clinical Update of Complete and Ongoing Studies of IMC-C225 in Cisplatin-refractory Head and Neck Cancer, 5th International Head and Neck Conference-Satellite Symposium, San Francisco, CA, 7/1/2000

Antiangiogenesis, US Oncology Breakthroughs in Cancer Care, Marina del Rey, CA, 7/29/2000

Phase II Study of Combination Weekly Gemcitabine and Vinorelbine in Patients With Untreated or Previously Treated Non-small Cell Lung Cancer, IASLC-9th World Conference on Lung Cancer, Tokyo, Japan, 9/11/2000

Antiangiogenesis and Other Novel Therapies in Cancer: Are They Ready for Prime Time?, 5th Annual National VA Oncology Symposium, Alexandria, VA, 10/4/2000

Biotherapy Options in Non-small Cell Lung Cancer, 5th Annual Perspectives in Thoracic Cancer, Charleston, SC, 10/20/2000

Lung Cancer, Network for Oncology Communication and Research-Midwest Regional Practice Guidelines Retreat, Chicago, IL, 10/28/2000

A Phase I Clinical Trial of Recombinant Human Endostatin in Patients with Solid Tumors: Surrogate Analyses to Determine a Biologically Effective Dose, NIC-EORTC-AACR Symposium, Amsterdam, 11/8/2000

New Drugs for Solid Tumors, Antiangiogenesis and Anti-EGFR Agents, M. D. Anderson International-Espana, Madrid, Spain, 11/11/2000

Phase II Trial of IMC-225 plus Cisplatin in Refractory Head and Neck Cancer, IMC-225 Monoclonal Antibody Opinion Leader Summit Meeting, Cancun, Mexico, 1/5/2001

Clinical Trials with Non-specific Antiangiogenic Agents (TNP-470, Squalamine, Interferon), 3rd International Symposium on Anti-Angiogenic Agents, Irving, TX, 1/18/2001

Anti-EGFR Monoclonal Antibody Therapy (IMC-225) for the Treatment of Head and Neck and Colon Cancer and Clinical Studies of the Anti-EGFR Tyrosine Kinase Inhibitor ZD-1839 in Non-small Cell Lung Cancer and Other Solid Tumors, 11th International Congress on Anti-Cancer Treatment-Novel targeted Biological Therapies for Cancer-Satellite Symposium, Paris, France, 2/1/2001

Clinical Development of Epidermal Growth Factor Receptor Inhibitors: Activity as Single Agents or in Combination with Chemotherapy, Beyond Chemotherapy-Emerging Targeted Therapies for the Treatment of Cancer Conference, San Francisco, CA, 5/1/2001

Epidermal Growth Factor Receptor-Targeted Therapies for Colorectal, Head and Neck and Pancreatic Cancer, Targeted Therapies Plus Chemotherapy for Advanced Solid Tumors Conference, San Francisco, CA, 5/1/2001

Angiostatin and Endostatin in NSCLC, 2nd International Lung Cancer Congress, Kauai, HI, 7/18/2001

Preclinical Angiogenesis Imaging Models, Biomedical Imaging Program of the National Cancer Institute, Washington, DC, 7/24/2001

Future Developments in the Therapy of Lung Cancer, The University of Texas M. D. Anderson Cancer Center Investigators' Workshop, Colorado Springs, CO, 7/25/2001

Clinical Trial Design Issues for Trials Using Antiangiogenesis Agents: How to Employ Surrogate Methods of Response in Clinical Practice, 3rd Annual Angiogenesis: Innovative Science and New Applications, Boston, MA, 7/30/2001

Trials with Trastuzumab in Lung Cancer and Cetuximab (C225) in Pancreatic, Head and Neck and Other Cancers, Congress on Monoclonal Antibodies in Cancer Conference, Banff, Canada, 8/1/2001

Molecular Targeted Therapy for Advanced Non-small Cell Lung Cancer, The First Princess Margaret Hospital Conference-New Developments in Cancer Management, Toronto, Canada, 9/20/2001

Efficacy and Safety of the Anti-epidermal Growth Factor Antibody IMC-C225 in Combination with Cisplatin in Patients with Recurrent Squamous Cell Carcinoma of the Head and Neck Refractory to Cisplatin Containing Chemotherapy, Second International Chicago Symposium on Malignancies of the Chest and Head and Neck, Chicago, IL, 10/4/2001

The Impact of EGFR-TK Inhibition on the Most Common Solid Tumors, Chicago, IL, 10/11/2001

Molecular Targeted Therapy in NSCLC, Perspectives in Thoracic Cancer, New York, NY, 10/27/2001

Clinical Phase I Studies on Surrogate Endpoints: the Endostatin Experience, Banbury Workshop on New Concepts for Clinical Cancer Trials, Cold Spring Harbor, NY, 11/1/2001

Molecular Targeting Therapy in NSCLC, The 42nd Annual Meeting of the Japan Lung Cancer Society, Osaka, Japan, 11/1/2001

Novel Therapy for Advanced NSCLC, Current Perspectives in the Management of Advanced NSCLC symposium, Osaka, Japan, 11/1/2001

Biology and Target-based Therapy, IASLC Workshop for Small Cell Lung Cancer-Biology and New Treatment, Osaka, Japan, 11/3/2001

IRESSA Data Board Meeting, New York, NY, 11/6/2001

TNP-470 in Solid Tumors, EGFR: IMC-C225 in Solid Tumors, Taxotere and C225 in Lung Cancer, Chemotherapy Foundation Symposium XIX on Innovative Cancer Therapy for Tomorrow, New York, NY, 11/7/2001

Where Are We with Antiangiogenesis, 12th International Congress on Anti-Cancer Treatment, Paris, France, 2/1/2002

The Impact of EGFR-TK Inhibition on the Most Common Solid Tumors, Coronado, CA, 2/21/2002

Target Therapies in the Treatment of Lung Cancer, The Second Annual Opinion Leader Summit, Scottsdale, AZ, 2/27/2002

EGFR Blockers Used in Combination with Cytotoxic Agents for the Treatment of Head and Neck Cancer, Mount Sinai/University of Iowa Multidisciplinary Course on Contemporary Management of Head and Neck Tumors, New York, NY, 3/7/2002

Antiangiogenesis-Is It Effective, AACR 93rd Annual Meeting 2002, San Francisco, CA, 4/1/2002

The Best Targets in Lung Cancer, AACR 93rd Annual Meeting 2002, San Francisco, CA, 4/1/2002

Antiangiogenesis: Current Status of Clinical Trials, AACR 93rd Annual Meeting 2002, San Francisco, CA, 4/6/2002

ASCO Abstracts-NSCLC Session, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

ASCO Education Sessions on Targeted Therapy for Lung Cancer, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

ASCO Highlights-Fellow Meet the Professor Session, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

AstraZeneca Press Briefing, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

Aventis Taxotere/Docetaxel Investigator's Meeting, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

Fellows Program Angiogenesis in Cancer Therapy, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

Lung Carcinoma Advisory Board meeting, AstraZeneca US Lung Carcinoma Advisory Board meeting, New York, NY, 5/1/2002

AstraZeneca Iressa ASCO Virtual Symposium Netcast, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/18/2002

Current Management and Approaches to Lung Cancer, Korea University Hospital, Seoul, 6/4/2002

Gemzar as First Line Treatment for NSCLC, Xian Symposium, Shanghai, China, 6/6/2002

Advance for Gemzar in Treatment of NSCLC, Shanghai Symposium, Shanghai, China, 6/7/2002

Surrogate Markers in Anti-angiogenesis Trials, 1st international symposium on Signal Transduction Modulators in Cancer Therapy, Amsterdam, 9/23/2002

Career Opportunities in the Practice of Oncology, NOCR Annual Oncology Fellows Meeting, Atlanta, GA, 10/3/2002

INTACT (IRESSA Non-Small Cell Lung Cancer Trial Combination Treatment) Investigator Meeting, Orlando, FL, 10/12/2002

Angiogenesis Monitoring in Clinical Cancer Trials, Society of Biologic Therapy Annual Meeting, San Diego, CA, 11/7/2002

EGFR Therapy in NSCLC: Innovative Cancer Therapy for Tomorrow, Chemotherapy Foundation Symposium XX, New York, NY, 11/15/2002

The Impact of EGFR-TK Inhibition on NSCLC, Lung Cancer-Scientific and Clinical Symposium, Philadelphia, PA, 2/21/2003

Epidermal Growth Factor Receptor, HER2, and c-KIT as Predictors of Outcome in Stage I Non-small Cell Lung Cancer, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Subset Analyses of INTACT Results for Gefitinib (ZD1839) when Combined with Platinum-based Chemotherapy for Advanced Non-small Cell Lung Cancer, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Targeting Receptor Tyrosine Kinases in Oncology, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Understanding Targeted Therapies in Clinical Practice--Evolving Roles in Solid Tumors, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Second-Line Treatment and Beyond for Lung Cancer, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/30/2003

Molecular Targeted Lung Cancer Therapeutics and New Targets for Lung Cancer-What's Hot, What's Not, IASLC-10th World Conference on Lung Cancer, Vancouver, Canada, 8/1/2003

Status of Erb-B Targeted Therapies in Thoracic Malignancies, Second International Congress on Targeted Therapies in Cancer, Washington, DC, 8/29/2003

Tarceva for NSCLC, Genentech BioOncology 2003 Solid Tumor Investigator's Meeting, Dana Point, CA, 11/6/2003

Antiangiogenic Therapy-What Can We Learn from Success and Failures?, Princess Margaret Hospital/National Cancer Institute of Canada - Strategic Directions in Cancer Therapy, Nassau, Bahamas, 2/13/2004

Agouron AG013736 End-of-Study Investigator's Meeting, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

EGFR Inhibition: How Can We Maximize Clinical Benefit in Non-small Cell Lung Cancer at the conference entitled EGFR Inhibition: Unanswered Questions and Strategies for Patient Care, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Tarceva Clinical Data Review, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Targeted Therapies News Briefing, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Targeting Multiple Pathways in Solid Tumors at the conference entitled Targeting Growth and Angiogenic Pathways: From Bench to Bedside, 46th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

TRIBUTE-A Phase II Trial of Erlotinib HCl (OSI-774) Combined with Carboplatin and Paclitaxel Chemotherapy in Advanced Non-small Cell Lung Cancer, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Treatment of Non-small Cell Lung Cancer in the Second Line, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/4/2004

Update on Trials of Gefitinib and Analyses of Fraction of Patients with Benefit, IASLC-Update on Clinical Trials of EGFR Inhibitors, Baltimore, MD, 7/9/2004

Molecularly Targeted Therapies, The Best of ASCO, Denver, CO, 8/27/2004

AEE 788 and Genasense, Priorities for Trials of CT+Targeted RX in Advanced NSCLC, Treatment of Advanced NSCLC: Does the Future Lie with Molecular Targeted Agents? A Head-to-Head Debate, IASLC/ASCO/ESMO 2004 Meeting-Targeted Therapy for Lung Cancer, Algarve, Portugal, 9/1/2004

Phase I Data for the AMG706 Trial and Preclinical Studies Using a Mouse Orthotopic Model, 16th EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics, Geneva, Switzerland, 9/1/2004

Molecular Targeted Therapy for Non-small Cell Lung Cancer, The 43rd Annual Meeting of the Japan Lung Cancer Society, Osaka, Japan, 10/26/2004

Avastin & Tarceva in NSCLC, Chemotherapy Foundation Symposium XXII-Innovative Cancer Therapy for Tomorrow, New York, NY, 11/10/2004

BCI-2 Antisense New Development in Lung Cancer, Chemotherapy Foundation Symposium XXII-Innovative Cancer Therapy for Tomorrow, New York, NY, 11/10/2004

Biomarkers & Genetic Mutations, Chemotherapy Foundation Symposium XXII-Innovative Cancer Therapy for Tomorrow, New York, NY, 11/10/2004

Update on EGFR Inhibitors in NSCLC, Chemotherapy Foundation Symposium XXII-Innovative Cancer Therapy for Tomorrow, New York, NY, 11/10/2004

Recent Advances with HER1/EGFR-Targeting Therapies for NSCLC, Human Epidermal Growth Factor Receptor (HER) Education Network, New York, NY, 11/14/2004

Role of Anti-angiogenic Agents, Evolving Paradigms in the Treatment of Thoracic Malignancies, New York, NY, 12/2/2004

Careers in Clinical and Translational Cancer Research, AACR 96th Annual Meeting 2005, Anaheim, CA, 4/1/2005

New Concepts in Organ Site Research and lectured on Clinical/Translational Studies with EGFR Inhibitors in Non-small Cell Lung Cancer, AACR 96th Annual Meeting 2005, Anaheim, CA, 4/1/2005

Recent Advances with HER1/EGFR-Targeted Therapies in NSCLC and Other Solid Tumors, Anaheim, CA, 4/1/2005

Breast Cancer & Targeted Therapies, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

Developmental Therapeutics: Molecular Therapeutics, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

Recent Advances with HER1/EGFR-Targeted Therapies in NSCLC, Orlando, FL, 5/1/2005

Monoclonal Antibodies, International Oncology Network-Lung Cancer Symposium, Scottsdale, AZ, 5/6/2005

Clinical Translational Studies, 2005 ASCO Annual Meeting, Orlando, FL, 5/13/2005

Anti-angiogenesis Strategies, Targeted and Tailored Therapies in Hematology/Oncology, Chicago, IL, 5/17/2005

Personalized Medicine, Health Journalism 2006-National Conference of the Association of Health Care Journalists (AHCJ), Houston, TX, 3/17/2006

Careers in Clinical and Translational Cancer Research, 97th Annual Meeting 2006, Washington, DC, 4/1/2006

Novel Agents and New Technologies, AACR 97th Annual Meeting 2006, Washington, DC, 4/1/2006

Update on EGFR Therapy for NSCLC, Merck-Expert Input Forum, New York, NY, 4/7/2006

Lung Cancer, Roche-HORIZONS 1st Annual Lung Cancer Expert Forum, Hamburg, Germany, 4/8/2006

Future of Tarceva (Erlotinib) in Lung Cancer, MD Anderson International Tarceva Launch Meeting, Madrid, Spain, 4/19/2006

Targeted Agents in Lung Cancer, Current Trends in Lung Cancer and Head and Neck Cancer, New York, NY, 4/29/2006

Targeted Therapy: Clinical Applications, ONS 31st Annual Congress, Boston, MA, 5/4/2006

A phase I Safety and Pharmacokinetic (PK) Study of Recombinant APO2L/Trail, an Apoptosis-Inducing Protein in Patients with Advanced Cancer, 2006 ASCO Annual Meeting, Atlanta, GA, 6/2006

Sequestering VEGF with Novel Decoy Receptors (Including VEGF-TRAP), 7th International Lung Cancer Congress, Maui, HI, 6/28/2006

Clinical Discussions in Non-Small Lung Cancer, Hematology/Oncology Conference, Denver, CO, 12/14/2006

Therapy for Aerodigestive Cancer, AACR Special Conference in Cancer Research, Charleston, SC, 2/6/2007

Chat with the Experts, 13th Annual NOCR Meeting, Las Vegas, NV, 2/16/2007

Discovery of the Epidermal Growth Factor Receptor and Its Therapeutic Implications, 13th Annual NOCR Meeting, Las Vegas, NV, 2/16/2007

Careers in Clinical and Translational Cancer Research, AACR 98th Annual Meeting 2007, Los Angeles, CA, 4/14/2007

Targeted therapy for non-small cell lung cancer: first steps towards personalized medicine, The 3rd Severance-MD Anderson Cancer Center Joint Symposium, Yonsei University Health System, Korea, Republic of, 5/19/2007

Personalized Therapy Options for Advanced Non-Small Cell Lung Cancer, The Second Annual AACR International Conference on Molecular Diagnostics in Cancer Therapeutic Development: Maximizing Opportunities for Personalized Treatment, Atlanta, GA, 9/18/2007

Combinations: TEB, BeTa, Chemo Intercalation, EGFR Summit, Genentech, New York, NY, 2/9/2008

"BevBeta/Atlas"; "AMG 386"; TRAIL Ligand," 8th Annual Targeted Therapies of the Treatment of Lung Cancer, Santa Monica, CA, 2/22/2008

Issues in the Modulation of Angiogenesis Pathways, 2008 ASCO 44th Annual Meeting, Meet the Professor Session, Chicago, IL, 5/30/2008

Toward Personalized Therapy for Lung Cancer, First Annual Symposium on Personalized Therapies for Lung Cancer and Head and Neck Cancer, The Oncology Learning Center, Chicago, IL, 9/19/2008

Personalized Therapy for Advanced Non-Small Cell Lung Cancer, 7th Arizona Biosciences Leadership Symposium on Translational Medicine, Tucson, AZ, 10/7/2008

Personalized Therapy Approaches for Advanced NSCLC, Chemotherapy Foundation Symposium XXVI, Mount Sinai School of Medicine, New York, NY, 11/7/2008

Patient Selection for EGFR Inhibitors Using Clinical Characteristics, Non-Small Cell Lung Cancer in the Era of Personalized Medicine: Integrating Molecular Biomarkers Into the Clinic, Chicago, IL, 11/12/2008

Optimizing Targeted Therapy in Patients With NSCLC, Systemic Therapy for Metastatic Non-Small Cell Lung Cancer: Integrating Clinical, Pathologic, and Molecular Data, Chicago, IL, 11/14/2008

Will cetuximab eclipse the oral EGFR small molecule inhibitors? Does "FLEX" offer us more flexibility?," 13th Annual Perspectives in Thoracic Oncology, New York, NY, 11/22/2008

Personalized Therapy for Advanced Non-Small Cell Lung Cancer: The M. D. Anderson Battle Program, 2008 Alliance Symposium Matching Drugs to Patients, Waltham, MA, 12/3/2008

Phase I Experience with PX-478, The 11th International Symposium on Anti-Antiogenic Agents: Recent Advances and Future Directions in Basic and Clinical Cancer Research, San Diego, CA, 2/6/2009

Presented ZODIAC results at Vandetanib (ZACTIMA/ZD6474, Principal Investigator: Roy S Herbst MD, PhD) Phase III Programme Results Meeting, AstraZeneca, Dallas, TX, 3/20/2009

Presented results from the ZODIAC Phase III trial, AstraZeneca, Vandetanib Advisory Board, St. Paul de Vence, France, 4/1/2009

Presented results from ZODIAC Phase III trial, AstraZeneca Press Briefing, 13th World Conference on Lung Cancer, San Francisco, CA, 7/31/2009

Established Targets for NSCLC - Multi-Targeted Agents and Drug Combinations, 13th World Conference on Lung Cancer, IASCLC, San Francisco, CA, 8/1/2009

Targeting the Epidermal Growth Factor Receptor - Discussant II, 13th World Conference on Lung Cancer, IASCLC, San Francisco, CA, 8/1/2009

Vandetanib plus docetaxel versus docetaxel as second-line treatment for patients with advanced NSCLC: a randomized, double-blind phase III trial (ZODIAC), 13th World Conference on Lung Cancer Press Program, IASCLC, San Francisco, CA, 8/1/2009

Biomarker Evaluation in the Phase III, Placebo (P)-Controlled, Randomized BeTa Trial of Bevacizumab (B) and Erlotinib (E) for Patients (Pts) with Advanced Non-Small Cell Lung Cancer (NSCLC) after Failure of Standard 1st-Line Chemotherapy: Correlation with treatment outcomes, 13th World Conference on Lung Cancer, IASCLC, San Francisco, CA, 8/2/2009

Individualizing Treatment, 13th World Conference on Lung Cancer, IASCLC, San Francisco, CA, 8/2/2009

Maintenance with VEGF Agent, 13th World Conference on Lung Cancer, IASCLC, San Francisco, CA, 8/2/2009

Vandetanib plus docetaxel versus docetaxel as second-line treatment for patients with advanced NSCLC: a randomized, double-blind phase III trial (ZODIAC), 13th World Conference on Lung Cancer, IASCLC, San Francisco, CA, 8/3/2009

Personalizing therapies for thoracic malignancies with anti-angiogenesis small molecules, Second Annual Symposium on Personalized Therapies and Best Clinical Practices for Lung Cancer and Head and Neck Cancer, Philadelphia, PA, 9/26/2009

Personalized therapeutic approaches for advanced NSCLC: The MDACC BATTLE program, AACR-IASLC Joint Conference on the Molecular Origins of Lung Cancer: Prospects for Personalized Prevention and Therapy, Coronado, CA, 1/14/2010

The M. D. Anderson BATTLE Program: Therapy for Non-Small Cell Lung Cancer, Chancellor's Council Executive Committee Winter Meeting, Houston, TX, 1/22/2010

Personalized Medicine, Graduate Medical Education Core Curriculum Lecture Series (GME), GME Curriculum Subcommittee, Houston, TX, 2/22/2010

Phase II randomized study of biomarker-directed treatment for non-small cell lung cancer (NSCLC): The BATTLE (Biomarker-Integrated Approaches of Targeted Therapy for Lung Cancer Elimination) clinical trial program, Centro Nacional de Investigaciones Oncológicas (CNIO), Madrid, Spain, 3/10/2010

Adaptive Trial Design, Twenty-First Annual Cancer Progress Conference, Communitech, New York, NY, 3/17/2010

Emerging Targeted Agents in NSCLC, Current Trends in Lung and Head & Neck Cancer, Chicago, IL, 3/20/2010

Toward personalized therapy of lung cancer: The MD Anderson BATTLE programs, AACR 101st Annual Meeting 2010, Washington, DC, 4/18/2010

Tobacco and cancer: Biology and pathogenesis, AACR 101st Annual Meeting 2010, Washington, DC, 4/20/2010

Personalized Therapy for Advanced NSCLC: The MD Anderson BATTLE Programs, Annual Phase II Symposium, University of Chicago, Chicago, IL, 4/23/2010

AZD6244 combination with MK2206 clinical trials, AstraZeneca/Medl 2010 Cross-Alliance Scientific Symposia, AstraZeneca/MedImmune, Manchester, United Kingdom, 6/17/2010

State of the Art: Advanced Lung Cancer, 11th International Lung Cancer Congress, Physicians Education Resource, Rancho Palos Verdes, CA, 7/10/2010

Targeted Therapies in Lung Cancer (Part I), University of Nebraska Medical Center, Houston, TX, 8/20/2010

Personalized Approaches for Advanced Non-Small Cell Lung Cancer: The M. D. Anderson BATTLE Programs, AACR Molecular Diagnostics in Cancer Therapeutic Development: Challenges and New Horizons, AACR, Denver, CO, 9/30/2010

Current Status of Prognostic and Predictive Molecular Markers in Lung and Colorectal Cancers, 2010 ASCO-NCI-EORTC Annual Meeting on Molecular Markers, ASCO, Hollywood, FL, 10/19/2010

Conducting genome-guided prospective RCTs to identify and validate PGx markers of treatment response: "The example of the BATTLE lung cancer trail", Cancer Pharmacogenomics: Integrating Discoveries in Basic, Clinical and Population Sciences to Advance Predictive Cancer Care, PPWG, Bethesda, MD, 10/28/2010

Clinical Aspects in the Treatment of Lung Cancer (NSCLC), A Review of the Most Recent Developments in Cancer Therapy, EXCEL Continuing Education, Houston, TX, 11/6/2010

Clinical Trials Update, Association of Cancer Executives, New Orleans, LA, 1/29/2011

Personalized therapy for Advanced Non-Small Cell Lung Cancer, Pittsburgh Cancer Conference 2011, Pittsburgh, PA, 5/5/11

EGFR Inhibitors in the Treatment of Lung Cancer, Pathology of the 21<sup>st</sup> Century From Molecular Diagnostics to personal Cancer Therapy, The University of Texas, M.D. Anderson Cancer, Houston, TX, 5/6-7/2011

NSCLC: Toward Personalized Therapy, NSCLC Experts in Residence program, Luci Curci Cancer Center, Rancho Mirage, CA, 5/19/2011

Approaches to Inhibiting bFGFR, 12<sup>th</sup> International Lung Cancer Congress, Carlsbad, CA, 8/11-14, 2011

Personalized therapy for advanced non-small lung cancer: Lessons learned from the BATTLE Trial, Challenges in Cancer – Answering the Difficult Questions, Queens's University, 9/6-9/2011

Personalized Therapy for Advanced Non-small cell lung cancer: Lessons Learned from the BATTLE Trial. 2<sup>nd</sup> Annual 2011 Meeting of the Society for Translational Oncology 3<sup>rd</sup> International Cancer Symposium of the Centre for Cancer Research and Cell Biology, Queen's University Belfast, Challenges in Cancer: Answering the Difficult Questions, Belfast, Northern Ireland, 9/7-8/2011

Tobacco: Still the Dominant Global Health and Disparities Threat, 4<sup>th</sup> AACR Conference on The Science of Cancer Health Disparities, Washington, DC 9/18-21/2011

Personalized Therapy for Advanced Non-small Lung Cancer: Lessons Learned from the BATTLE trial, UCL, 10/12/2011

Personalized Therapy for Lung Cancer, Oncology at the Limits II, 2011, Stockholm, 10/13-16, 2011

Personalized Therapy for Advanced Non-small cell lung cancer: Lessons Learned from the BATTLE Trial, Belfast, Northern Ireland, 10/24-25/2011

AACR-IASLC Joint Conference on Molecular Origins of Lung Cancer: Biology, Therapy, and Personalized Medicine Meeting, Meeting Chair, San Diego, CA 1/18-11, 2012

From Bench to Bedside, 2<sup>nd</sup> Lung Cancer Network 2012, Oncology Unit GPP, Athens School of Medicine, Athens, Greece 2/3-4, 2012

Downstream Signal, MTOR PI3K, 12<sup>th</sup> Annual Targeted Therapies of Lung Cancer meeting, Chair, International Association for the Study of Lung Cancer, Santa Monica, CA 2/22-25/2012.

American Association for Cancer Research, "Challenging Conventional Cancer Care: The Untold Story of Tobacco's Effect on Cancer Biology, Treatment Response, and Survival" Chicago, IL 3/31-4/4, 2012

From Molecular Mechanisms to Targeted Cancer Therapy Program, "Lessons Learned from the BATTLE Trials: Personalized Therapy for Advanced Non-small Cell Lung Cancer," Cadenabbia, Italy. 04/26-29/2012.

UK Lung Cancer Symposium, "State-of-the-art Clinical Trials in 2012." Manchester, England. 04/29-05/02/2012.

Molecular and Mutational Testing in the NSCLC Setting, (Personalized Therapy for NSCLC: Lessons Learned From The Battle Team, The Pulmonary Personalized Medicine Challenge, American Thoracic Society 2012 International Conference, San Francisco, CA, 5/18 – 23, 2012

2<sup>nd</sup> Yale Cancer Center Symposium at UCL Cancer Institute, London, England. 6/24-28/2012.

Lung Cancer in Never-Smokers: Implications for Treatment. 5<sup>th</sup> Latin American Conference on Lung Cancer. Rio de Janeiro, Brazil. 7/25-27/2012.

Diatech Oncology Medical Advisory Meeting, Montreal, Canada. 08/03/2012.

2012 Best of ASCO Meeting, Boston, MA. 08/03-04/2012.

"National Engineering Laboratory for Anti-Tumor Protein Therapeutics." Beijing, China. 08/05-12/2013

American Association for Cancer Research Science Policy and Legislative Affairs Committee Meeting, Washington, D.C., 09/12/2012.

Cancer Research Committee Meeting (ASCO), "Clinically Meaningful Outcomes," Washington, D.C., 09/13/2012.

Local Insights; Expert Perspectives on Optimizing Molecular Testing in NSCLS (Pfizer). New York, NY. 10/06/2012.

National Cancer Policy Forum, Washington, D.C., "Delivering Affordable Cancer Care in the 21<sup>st</sup> Century," 10/7-8/2012.

Biothera Clinical Advisory Panel Meeting. New York, NY. 10/8/2012

Personalized Therapy for Advanced Non-Small Cell Lung Cancer. Molecular Pathology: Focusing on Patients. The Beaumont Estate Hotel and Conference Center, Old Windsor, UK. 10/12-14/2012

EGFR WT Advisory Board Meeting, Roche Pharmaceuticals. Miami, FL. 10/13/2012

Lung Cancer Drugs in Development. 13<sup>th</sup> Annual Retreat of the Medical and Scientific Advisory Board of MPM Capital, LP. Boston, MA. 10/17/2012

SWOG Conference, Chicago, IL. 10/19-20/2012

Pushing the Envelope Forward: Novel Trial Designs and New Dimensions for Treatment of Advanced Disease. Oncology at the Limits. London, England. 10/24-27/2012.

Lilly Global Thoracic Advisory Board, New York, NY. 11/10/2012

Friends-Brookings Conference on Clinical Cancer Research. Washington, DC. 11/14/2012

Workshop on Reducing Tobacco-Related Cancer Incidence and Mortality. National Cancer Policy Forum Meeting. Washington, DC. 2/10/2013

Oncology: Targeting the Next Breakthrough in Lung Cancer. Leerink Swann Global Healthcare Conference 2013. New York, NY. 2/13/2013

Mind the Gap. Oncology Scientific Advisory Board Meeting. Chicago, IL. 2/18-19/2013

Israel Cancer Research Fund Scientific Review Panel. New York, NY. 3/18/2013

Targeting Immunotherapy. 6<sup>th</sup> International Conference on Molecular Targeted Therapies in Lung Cancer. Sorrento, Italy. 4/17-20/2013

Spring SWOG Meeting, San Francisco, CA. 05/01-04/2013

2013 AACI/AACR/ASCO/FOCR Capitol Hill Day, Washington, D.C., 05/16/2013

2013 ASCO Annual Meeting, "Novel Mechanisms of Targeting Tumors: It's Not Just the TKI's Anymore!" Chicago, IL. 05/30 – 06/04/2013.

2013 ASCO Annual Meeting, "A Study of MPDL3280A, An Engineered PD-L1 Antibody in Patients With Locally Advanced or Metastatic Tumors," Chicago, IL. 05/30 - 06/04/2013.

MK3475 Protocol 010 Investigators' Meeting, "Scientific Background." Baltimore, MD. 06/14/2013.

Dartmouth College Grand Rounds, "Personalized Therapy for Advanced Non-Small Cell Lung Cancer," Hanover, New Hampshire, 06/20/2013.

The Academy for Continued Healthcare Learning LLC. NSCLC VPP presentation, Victoria, TX 7/2/2013

NCI Workshop on Small Cell Lung Cancer: Seizing on Opportunities to Translate Recent Research into the Clinic for New Diagnostics and Interventions. "Special Session: Attracting Investigators to the Field of SCLC." Bethesda, MD, 07/08/2013-07/09/2013.

Roche/Genentech Lung Advisory Board Meeting, New York, NY, 7/9-10/2013

2013 Lung Cancer SPORE Workshop, "Reducing Tobacco-Related Cancer Incidence and Mortality," Rockville, MD, 7/10-12/2013

2013 Lung Cancer SPORE Workshop, "Second National Cancer Policy Summit," Rockville, MD, 7/10-12/2013

2013 Lung Cancer SPORE Workshop, "Contemporary and Future Human Subjects Protections in Cancer Research," Rockville, MD, 7/10-12/2013

National Cancer Policy Forum, Washington, DC 7/14-15/2013

Foundation Medicine Tumor Board, Boston, MA, 7/17/2013

2013 Japanese Society for Medical Oncology, "Personalized Therapy for Advance Non-small Cell Lung Cancer: From the Battle Trial to Master Protocol", Sendai, Japan, 08/23-09/01/2013

NCI/AACR Joint Meeting, Rockville, MD, 09/16/2013

AACR Tobacco and Cancer Subcommittee Meeting, Rockville, MD, 09/17/2013.

AACR Science Policy and Government Affairs Committee Meeting, Washington, DC, 09/17/2013

WCLC 15<sup>th</sup> Annual World Conference on Lung Cancer. "MS 13-Statistics of Personalized Medicine" Sydney, Australia. 10/27-30/2013.

Chemotherapy Foundation Symposium: Innovative Cancer Therapy for Tomorrow. The Greenspan Meeting XXXI. "PD-1 and PD-L1 Inhibitors for NSCLC" New York, NY, 11/6-8/2013

Friends-Brookings Conference on Clinical Cancer Research, Washington, DC, 11/07/2013

6<sup>th</sup> Annual Symposium Personalized Therapy Meeting, "Targeting c-MET and Additional Novel Targets in Late-stage Clinical Development" and "Anti-PD-1, anti-PDL-1, anti-CTLA-4

Blockade: Applications of Immune-checkpoint Inhibition for Lung Cancer”, Los Angeles, CA, 11/16/2013

1<sup>st</sup> Annual Summit on Practical and Emerging Approaches for Lung Cancer, “The Biologic Rationale for Targeting the Immune Checkpoint in Lung Cancer,” Dallas, TX, 12/14-15/2013

AACR-IASLC Joint Conference on the Molecular Origins of Lung Cancer, Opening Keynote Session, San Diego, CA, 01/06-09/2014

Oncology at the Limits IV, “Innovation in Clinical Trial Design in the Era of Genomic Medicine,” Heidelberg, Germany, 02/13-15/2014

NSCLC Grand Rounds, “The Histological and Pathological Underpinnings of Non-Small Cell Lung Cancer,” Middletown, CT, 02/19/2014

165<sup>th</sup> Meeting of the National Cancer Advisory Board, “Pathophysiology of Tobacco-Induced Cancers,” Bethesda, MD, 02/27/2014

Good Samaritan Medical Center, “Histological and Pathological Underpinnings of Non-Small Cell Lung Cancer,” West Palm Beach, FL, 02/28/2014

Cowen and Company: 34<sup>th</sup> Annual Health Care Conference, “Immune Oncology,” Boston, MA, 03/02-03/2014

Precision Oncology Planning Meeting, “Clinical Trial Component: Bucket and Baskets Protocols,” Boston, MA 03/04-05/2014

Israeli Lung Cancer Conference, “Targeting the EGFR in Lung Cancer,” Tel Aviv, Israel, 03/09-12/2014

National Comprehensive Cancer Network 19<sup>th</sup> Annual Conference: Advancing the Standard of Cancer Care, Hollywood, FL, 03/13-15/2014

New York Academy of Sciences Lung Cancer Symposium, “Personalized Therapy for Advanced Non-Small Cell Lung Cancer; From the Battle Trial to Master Protocols,” New York, NY, 03/25/2014

European Lung Cancer Conference, “Immunologic Approach to Lung Cancer,” Geneva, Switzerland, 03/25-29/2014

2014 Global Health and the Arts Conference, “Cancer Treatment: How Far Have We Come?” New Haven, CT, 04/03-04/2014

American Association of Cancer Research Conference, “Fostering Evidence-based Tobacco Control; AACR Research and Policy Initiatives,” and “Novel Clinical Trial Designs in the Whole-Exome Era,” San Diego, CA, 04/05-08/2014

2014 ASCO-AMP-CAP Genomics Roundtable, “Cancer Center Experience with Genomic Tumor Board,” Alexandria, VA 04/1-11/214

**Other, Including Scientific Exhibitions**

Pneumocystis Carinii Pneumonia in Non-small Cell Lung Cancer Patients Treated with Combination Gemcitabine and Vinorelbine Therapy, US Gemzar Investigators Meeting, New Orleans, LA, 3/1/1999

Phase II Study of Combination Weekly Gemcitabine and Vinorelbine in Patients with Untreated or Previously Treated Non-small Cell Lung Cancer, 35th ASCO 1999 Annual Meeting, Atlanta, GA, 5/1/1999

Phase II Study of Paclitaxel, Ifosfamide, and Carboplatin in Patients with Recurrent Squamous Cell Carcinoma of the Head and Neck, 35th ASCO 1999 Annual Meeting, Atlanta, GA, 5/1/1999

Continuous Administration of ZD1839 (Iressa<sup>TM</sup>), a Novel Oral Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor (EGFR-TKI), in Patients with Five Selected Tumor Types: Evidence of Activity and Good Tolerability, AACR-NCI-EORTC International Conference, Washington, DC, 11/1/1999

Matrix Metalloproteinase/E-cadherin Ratio as a Molecular Predictor of Aggressive Phenotype in Non-melanoma Skin Cancer, AACR 91st Annual Meeting 2000, San Francisco, CA, 4/1/2000

Gemcitabine with Concurrent 3D Conformal Radiation Followed by Consolidation Gemcitabine plus Cisplatin; a Phase I Trial for Patients with Stage III Non-small Cell Lung Cancer, 396th ASCO 2000 Annual Meeting, New Orleans, LA, 5/1/2000

Paclitaxel and Carboplatin Chemotherapy as a Primary Treatment of Brain Metastases in Patients with Non-small Cell Lung Cancer, 36th ASCO 2000 Annual Meeting, New Orleans, LA, 5/1/2000

Phase I Study of the Angiogenesis Inhibitor TNP-470 in Combination with Paclitaxel in Patients with Solid Tumors: a Dose Finding, Pharmacokinetic, and Efficacy Analysis, 36th ASCO 2000 Annual Meeting, New Orleans, LA, 5/1/2000

Phase II Trial of Thalidomide in The Treatment of Recurrent and/or Metastatic Squamous Cell Carcinoma of the Head and Neck, 36th ASCO 2000 Annual Meeting, New Orleans, LA, 5/1/2000

A Phase I Clinical Trial of Recombinant Human Endostatin in Patients with Solid Tumors: Pharmacokinetic, Safety and Efficacy Analysis, 11th NCI-EORTC-AACR Symposium on New Drugs in Cancer Therapy, Amsterdam, 11/1/2000

Patients' Perceptions of a High-profile Phase I Trial, 11th NCI-EORTC-AACR Symposium on New Drugs in Cancer Therapy, Amsterdam, 11/1/2000

In-vitro, Effect of the Epidermal Growth Factor Receptor Inhibitor PKI 166 on Human Lung Cancer Cell Lines, AACR 92nd Annual Meeting 2001, New Orleans, LA, 3/1/2001

Induction of Apoptosis of Human Endothelial Cells by Recombinant Endostatin: Development of Surrogate Assay for Clinical Studies, AACR 92nd Annual Meeting 2001, New Orleans, LA, 3/1/2001

Carboplatin + Paclitaxel + rhuMab-VEGF may prolong survival in advanced non-squamous lung cancer, 37th ASCO 2001 Annual Meeting, San Francisco, CA, 5/1/2001

Cisplatin and Gemcitabine Combined with Herceptin in Patients with HER2 Overexpressing, Untreated, Advanced, Non-small Cell Lung Cancer, A Phase II Trial, 37th ASCO 2001 Annual Meeting, San Francisco, CA, 5/1/2001

Final report of the M. D. Anderson Phase II Study of Combination Weekly Gemcitabine and Vinorelbine in Patients with Untreated or Previously Treated Non-small Cell Lung Cancer, 37th ASCO 2001 Annual Meeting, San Francisco, CA, 5/1/2001

Induction of Pro-apoptotic Mediators and Tumor Regression Following Intratumoral Delivery of Adenoviral p53 (RPR/INGN 201) and Radiation Therapy in Patients with Non-small Cell Lung Cancer, 37th ASCO 2001 Annual Meeting, San Francisco, CA, 5/1/2001

Phase I Clinical Trial of Recombinant Human Endostatin in Patients with Solid Tumors: Pharmacokinetic, Safety and Efficacy Analysis Using Surrogate Endpoints of Tissue and Radiologic Response, 37th ASCO 2001 Annual Meeting, San Francisco, CA, 5/1/2001

Phase I Study of the Angiogenesis Inhibitor TNP-470 in Combination with Paclitaxel and Carboplatin in Patients with Solid Tumors, 37th ASCO 2001 Annual Meeting, San Francisco, CA, 5/1/2001

Phase IIa Trial of Squalamine for Treatment of Advanced Non-small Cell Lung Cancer, 37th ASCO 2001 Annual Meeting, San Francisco, CA, 5/1/2001

Efficacy and Safety of the Anti-epidermal Growth Factor Antibody, IMC-C225, in Combination with Cisplatin in Patients with Recurrent Squamous Cell Carcinoma of the Head and Neck Refractory to Cisplatin Containing Chemotherapy, 2nd International Chicago Symposium on Malignancies of the Chest and Head & Neck, Chicago, IL, 10/1/2001

A phase I Study of Continuous Infusion of TNP-470 Alone or in Combination with Paclitaxel and Carboplatin in Adult Patients with Solid Tumors, 2001 AACR-NCI-EORTC International Conference, Miami Beach, FL, 11/1/2001

Development of an Orthotopic Model for Human Lung Cancer to Evaluate Therapeutic Efficacy of Receptor Tyrosine Kinase Inhibitors, AACR 93rd Annual Meeting 2002, San Francisco, CA, 4/1/2002

A Phase I Study of TNP-470 Continuous Infusion Alone or In Combination with Paclitaxel and Carboplatin in Adult Patients with NSCLC and Other Solid Tumors, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

A Phase II Study of SCH54031 (polyethylene glycol (PEG)-modified interferon alfa-2b; PEG intron) in Previously Treated Advanced Squamous Cell Cancers of the Head and Neck, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

A Retrospective Analysis of the Outcome of Patients Who Have Received Two Prior Chemotherapy Regimens Including a Platin and Docetaxel for Recurrent Non-small Cell Lung Cancer, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

Herceptin in Combination with Cisplatin and Gemcitabine in Patients with HER2 Overexpressing, Untreated, Advanced, Non-small-cell Lung Cancer: Final Report of a Phase II Trial, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

Successful Long-term Therapy with Bevacizumab (Avastin) in Solid Tumors, 38th ASCO 2002 Annual Meeting, Orlando, FL, 5/1/2002

A Phase III Study of Æ-941 with Induction Chemotherapy and Concomitant Chemoradiotherapy for Stage III Non-small Cell Lung Cancer (NCI T99-0046, RTOG 02-70, MDA 99-303): An Interim Overall Toxicity Report, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Alimta plus Carboplatin in Patients with Advanced Non-Small Cell Lung Cancer: A Phase II Trial, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Epidermal Growth Factor Receptor, HER2, and C-KIT as Predictors of Outcome in Stage I Non-small Cell Lung Cancer, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Inter-observer and Intra-observer Variability in Measurement of 41 Non-small Cell Carcinoma Lung Lesions Implications for Assessment of Tumor Response, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Phase I/II Study of the Recombinant Humanized Monoclonal Anti-VEGF Antibody Bevacizumab (Avastin™) and the EGFR-tk Inhibitor Erlotinib (Tarceva™) in Patients with Recurrent Non-small Cell Lung Cancer, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Phase II Study of Cetuximab, an Epidermal Growth Factor Receptor Blocking Antibody, in Combination with Docetaxel in Chemotherapy Refractory/Resistant Patients with Advanced Non-small Cell Lung Cancer: Final Report, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

Subset Analyses of INTACT Results for Gefitinib (ZD1839) when Combined with Platinum-based Chemotherapy for Advanced Non-small Cell Lung Cancer, 39th ASCO 2003 Annual Meeting, Chicago, IL, 5/1/2003

A Phase I Surrogate Endpoint Trial of SU6668 in Patients with Solid Tumors, AACR 94th Annual Meeting 2003, Washington, DC, 7/1/2003

Blockade of EGFR Tyrosine Kinase Does not Predict Outcome in an Orthotopic Model of Human Lung Cancer, AACR 94th Annual Meeting 2003, Washington, DC, 7/1/2003

Endostatin Blocks Endothelial Repopulation after Radiation Therapy, AACR 94th Annual Meeting 2003, Washington, DC, 7/1/2003

Quantitative Analysis of Biomarkers and Changes in Tumor Blood Flow Define a Biological Dose for Clinical Trials of Recombinant Human Endostatin, AACR 94th Annual Meeting 2003, Washington, DC, 7/1/2003

Quantitative Analysis of Biomarkers in Tumor Biopsies from Phase I/II Studies with VEGF Receptor Tyrosine Kinase Inhibitor, AACR 94th Annual Meeting 2003, Washington, DC, 7/1/2003

A phase I study of the VEGF/PDGF receptor tyrosine kinase inhibitor AG-013736 in patients with advanced solid tumors: safety, pharmacokinetics, and dceMRI, AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics, Boston, MA, 11/1/2003

Biology and Therapy of Human Small Cell Lung Cancer in Novel Orthotopic Nude Mouse Models, AACR 95th Annual Meeting 2004, Orlando, FL, 3/1/2004

Clinical tumor dormancy: Biology and Regulation of Dormant Lung Metastases in a Characterization of the Dormant Tumor; B16F10 Murine Melanoma Model, AACR 95th Annual Meeting 2004, Orlando, FL, 3/1/2004

Pharmacodynamic Analysis of Target Inhibition and Tumor Endothelial Cell Death in Biopsies Obtained from Patients Treated with the VEGF Receptor Antagonists SU5416 or SU6668, AACR 95th Annual Meeting 2004, Orlando, FL, 3/1/2004

ZD6474, a Small Molecule Targeting VEGF and EGF Receptor Signaling, Inhibits Lung Angiogenesis and Metastasis and Improves Survival in an Orthotopic Model of Non-small Cell Lung Cancer, AACR 95th Annual Meeting 2004, Orlando, FL, 3/1/2004

A Phase II Trial of Pemetrexed plus Carboplatin in Patients with Advanced Non-Small-cell Lung Cancer, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Clinical and Dynamic Imaging Results of the First Phase I Study of AG-013736, an Oral Anti-angiogenesis Agent, in Patients with Advanced Solid Tumors, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Evaluation of Epidermal Growth Factor Receptor as a Predictive Marker in Patients with Non-small-cell Lung Cancer Receiving First-line Gefitinib Combined with Platinum-based Chemotherapy, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Evaluation of Epidermal Growth Factor Receptor as a Prognostic Factor for Survival in Non-small-cell Lung Cancer Patients Treated with Platinum-based Chemotherapy as First-line Treatment, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Limited Small Cell Lung Cancer (Stages I-III): Observations from the National Cancer Database, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Long Survival of Never Smoking Non-small Cell Lung Cancer Patients Treated with Erlotinib HCl (OSI-774) and Chemotherapy: Sub-group Analysis of TRIBUTE, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Pharmacokinetic Study of the Phase III, Randomized, Double-blind, Multicenter Trial of Paclitaxel and Carboplatin Combined with Erlotinib or Placebo in Patients with Advanced Non-small Cell Lung Cancer, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

Phase I/II Trial Evaluating the Anti-VEGF MAb Bevacizumab In Combination with Erlotinib, a HER1/EGFR-TK Inhibitor, for Patients with Recurrent Non-small Cell Lung Cancer, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

TRIBUTE - A Phase III Trial of Erlotinib HCl (OSI-774) Combined with Carboplatin and Paclitaxel Chemotherapy in Advanced Non-small Cell Lung Cancer, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

ZD6474, a Novel Antiangiogenic Agent, in Combination with Docetaxel in Patients with NSCLC: Results of the Run-in Phase of a Two-part, Randomized Phase II Study, 40th ASCO 2004 Annual Meeting, New Orleans, LA, 6/1/2004

AMG 706 First in Human, Open-label, Dose-finding Study Evaluating the Safety and Pharmacokinetics in Subjects with Advanced Solid Tumors, 16th EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics, Geneva, Switzerland, 9/1/2004

Blocking VEGF and EGF Receptor Signaling with ZD6474 Sensitizes Human Non-small Cell Lung Cancer to Chemotherapy with Paclitaxel, 16th EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics, Geneva, Switzerland, 9/1/2004

Erlotinib in Combination with Bevacizumab for Patients with Recurrent Non-small-cell Lung Cancer: A Phase I/II Trial, 29th ESMO Congress 2004, Vienna, Austria, 11/1/2004

Combined Blockade of VEGFR and EGFR with ZD6474 Enhances the Antitumor and Antivascular Effects of Radiation Therapy in an Orthotopic Mouse Model of Human Lung Cancer, AACR 96th Annual Meeting 2005, Anaheim, CA, 4/1/2005

Identification of Serum Protein Markers to Predict Outcome of Platin-based Chemotherapy in Patients with Advanced Non-small Cell Lung Cancer, AACR 96th Annual Meeting 2005, Anaheim, CA, 4/1/2005

The Anti-vascular and Anti-tumor Response of Human Lung Cancer Growing Orthotopically in Mice to AEE788, a Tyrosine Kinase Inhibitor of EGFR and VEGFR, is Dependent upon EGF/TGF $\beta$  Expression, AACR 96th Annual Meeting 2005, Anaheim, CA, 4/1/2005

The Time of Tissue Processing for Human Surgical Specimens Influences the Level of Epidermal Growth Factor Receptor Phosphorylation, AACR 96th Annual Meeting 2005, Anaheim, CA, 4/1/2005

ZD6474 Inhibits Human Lung Cancer Bone Metastases in a Murine Model by Targeting Both the Tumor and its Vasculature, AACR 96th Annual Meeting 2005, Anaheim, CA, 4/1/2005

A Phase III Study of  $\text{A}^{\text{E}}941$  with Induction Chemotherapy (IC) and Concomitant Chemoradiotherapy (CRT) for Stage III Non-small Cell Lung Cancer (NSCLC) (NCI T99-0046, RTOG 02-70, MDA 99-303): An Interim Report of Toxicity and Response, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

A Randomized Phase III Trial Comparing Bexarotene/Carboplatin/Paclitaxel versus Carboplatin/Paclitaxel in Chemotherapy-naive Patients with Advanced or Metastatic Non-small Cell Lung Cancer, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

A Randomized, Placebo-controlled Phase II Trial of ZD6474 Plus Docetaxel, in Patients with NSCLC, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

Efficacy and Safety of Gefitinib in Chemo-naive Patients with Non-small Cell Lung Cancer in an Expanded Access Program, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

MALDI-TOF Mass Spectrometry Proteomic Profiling to Discriminate Response to the Combination of Bevacizumab and Erlotinib in Non-small Cell Lung Cancer, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

Phase I/II Trial of Bevacizumab Plus Erlotinib for Patients with Recurrent Non-small Cell Lung Cancer: Correlation of Treatment Response with Mutations of the EGFR Tyrosine Kinase Gene, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

Preliminary Phase II Safety Evaluation of ZD6474, in Combination with Carboplatin and Paclitaxel, as 1st Line Treatment in Patients with NSCLC, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

Safety & Pharmacokinetics of AMG706 in Patients with Advanced Solid Tumors, 2005 ASCO Annual Meeting, Orlando, FL, 5/1/2005

TGF- $\alpha$  and Phosphorylated EGFR Protein Levels Impact the Survival of Patients with Stage I-III A Non small Cell Lung Cancer, AACR 97th Annual Meeting 2006, Washington, DC, 4/2006

A Phase II, Multicenter, Randomized Clinical Trial to Evaluate the Efficacy and Safety of Bevacizumab in Combination with Either Chemotherapy (docetaxel or pemetrexed) or Erlotinib Hydrochloride Compared With Chemotherapy Alone for Treatment of Recurrent, 2006 42nd ASCO Annual Meeting, Atlanta, GA, 6/2006

Apo2L/TRAIL Pharmacokinetics in a Phase 1a Trial in Advanced Cancer and Lymphoma, Poster Discussion, 2006 42nd ASCO Annual Meeting, Atlanta, GA, 6/2006

Independent Review of Fatal Interstitial Lung Disease (ILD) in TRIBUTE: Paclitaxel + Carboplatin + Erlotinib in Advanced Non-Small Cell Lung Cancer (NSCLC), Poster Discussion, 2006 42nd ASCO Annual Meeting, Atlanta, GA, 6/2006

Safety and Antitumor Activity of AMG 706 in Patients (pts) with Thyroid Cancer (TC): A Subset Analysis from a Phase 1 Dose-Finding Study, Poster Discussion, 2006 42nd ASCO Annual Meeting, Atlanta, GA, 6/2006

Safety and Pharmacokinetics (PK) of AMG 706, Panitumumab, and Carboplatin/paclitaxel (CP) for the Treatment of Patients (pts) with Advanced Non-Small Cell Lung Cancer (NSCLC), General Poster Session, 2006 42nd ASCO Annual Meeting, Atlanta, GA, 6/2006

Served as Mentor at the Professional Advancement Series Roundtable Session entitled, "Careers in Clinical and Translational Cancer Research," AACR 98th Annual Meeting 2007, Los Angeles, CA, 4/14/2007

A Phase II randomized selection trial evaluating concurrent chemotherapy plus cetuximab or chemotherapy followed by cetuximab in patients with advanced non-small cell lung cancer (NSCLC) : Final report of SWOG 0342, Poster Discussion, 2007 43rd ASCO Annual Meeting, Chicago, IL, 6/2007

Served as Mentor at the ASCO Patient Advocate Mentor Program, 2007 43rd ASCO Annual Meeting, Chicago, IL, 6/2007

Served as Moderator of the Lung/Head and Neck Cancers News Briefing, 2007 43rd ASCO Annual Meeting, Chicago, IL, 6/2007

Served as Moderator of the Late Breaking Clinical Trials press briefing, AACR 99th Annual Meeting 2008, San Diego, CA, 4/2008

A Phase III, Multicenter, Placebo-controlled, Double-blind, Randomized Clinical Trial to Evaluate the Efficacy of Bevacizumab (Avastin) in Combination with Erlotinib (Tarceva) Compared with Erlotinib Alone for Treatment of Advanced Non-small cell Lung Cancer After Failure of Standard First-line Chemotherapy (BETA), ISALC News Briefing, Chicago, IL, 11/13/2008

Served as Moderator of Educational Session titled "Pairing Chemotherapy with Radiation: Treating Stage III Lung Cancer from Multiple Angels," Multidisciplinary Symposium on Thoracic Oncology, Chicago, IL, 11/14/2008

Served as Moderator of Forum titled "Molecular Biology in Early Phase Clinical Trials," AACR 100th Annual Meeting 2009, Denver, CO, 4/20/2009

"Vandetanib plus docetaxel versus docetaxel as 2nd-line treatment for patients with advanced non-small-cell lung cancer (NSCLC): A randomized, double-blind phase III trial (ZODIAC)", Lung Cancer Press Briefing, 2009 45th ASCO Annual Meeting, Orlando, FL, 5/30/2009

Customizing Therapy for Localized NSCLC, Poster Discussion, 2009 45th ASCO Annual Meeting, Orlando, FL, 5/30/2009

New Agents for Lung Cancer: A Tailored Approach, M. D. Anderson Physicians Network Fifth Annual Symposium, The University of Texas MD Anderson Cancer Center, Boston, MA, 7/13/2009

Targeted Agents for the Treatment of NSCLC: Mechanisms of Action and Efficacy, New & Emerging Strategies for Targeting Non-Small Cell Lung Cancer, 13th World Congress on Lung Cancer, San Francisco, CA, 7/31/2009

Investigational Drugs in Late Stage Development for Lung Cancer, Second Annual Symposium on Personalized Therapies and Best Clinical Practices for Lung Cancer and Head and Neck Cancer, Philadelphia, PA, 9/26/2009

Toward Personalized Therapy of Advanced Non-Small Cell Lung Cancer, Yale Cancer Center Grand Rounds, New Haven, CT, 12/8/2009

Sorafenib treatment efficacy and KRAS biomarker status in the Biomarker-Integrated Approaches of Targeted Therapy for Lung Cancer Elimination (BATTLE) trial, 2010 ASCO Annual Meeting, Chicago, IL, 6/6/2010

Toward Personalized Therapy for Advanced Non-Small Cell Lung Cancer: The MD Anderson BATTLE Program, AACR Translational Cancer Medicine 2010 (USA), AACR, San Francisco, CA, 7/11/2010

Toward Personalized Therapy for Advanced Non-Small Cell Lung Cancer: The MD Anderson BATTLE Program, AACR Translational Cancer Medicine 2010 (USA), AACR, San Francisco, CA, 7/12/2010

EGFR Inhibitors, 2010 Chicago Multidisciplinary Symposium in Thoracic Oncology, Chicago, IL, 12/9/2010

Antibodies Targeting Epidermal Growth Factor Receptor and Vascular Endothelial Growth Factor In Advanced Non-Small Cell Lung Cancer, Keystone Symposia, Keystone, CO, 2/10/2011

Lung Cancer: Analysis of Primary/Metastatic Samples, Yale-Gilead Joint Steering Committee Meeting, Fourth Quarter 2011, Foster City, CA, 1/26/2012

Personalized Therapy for Advanced Non-Small Cell Lung Cancer; Lessons Learned from the Battle Trials, Flight Attendants Medical Research Institute Center of Excellence at Johns Hopkins, Flight Attendants Medical Research Institute Seminar Series, Johns Hopkins, Baltimore, MD, 2/27/2012

Challenging Conventional Cancer Care: The Untold Story of Tobacco's Effect on Cancer Biology, Treatment Response and Survival, AACR Committee Service Charlotte Friend Memorial Lectureship Meeting, Chicago, IL 4/1/2012

Grand Rounds, From Iressa to Battle: The Evolution of personalized Treatment for Lung Cancer, MD Anderson Cancer Center, April 23, 2012

Early Phase Testing of Two Drugs: Practical Challenges, AACR, Chicago, IL 4/3/2012

Lessons Learned from the BATTLE Trials: Personalized Therapy for Advanced Non-small Cell Lung Cancer, From Molecular Mechanisms to Targeted Cancer Therapy, DFG German Research Foundation, Cadenabbia (Co), Italy, 4/26-29/2012

State-of-the-art Clinical Trials in 2012, Opportunities and Challenges in Lung, Cancer Symposium, Cancer Research UK, United Kingdom Lung Cancer Symposium, Manchester, United Kingdom, 4/30 – 5/1/2012

Targeting Histology & Oncogenic Drivers of NSCLC: Review of Late Breaking Data, Letters & Sciences and the University of Nebraska Medical Center, Chicago, IL, 6/3/2012

Bringing Battle to Yale – The Developmental Therapeutics Program, UCL Cancer Institute 5<sup>th</sup> Annual Conference and the 3<sup>rd</sup> Annual UCL Cancer Research UK Centre Conference, England, 6/27/2012

WCLC 15<sup>th</sup> Annual World Conference on Lung Cancer, Poster Session – “VEGR Signaling Inhibition by Cediranib Enhances the Antitumor and Antio-metastatic Effects of Radiation Theory More Substantially Than Chemotherapy in Orthotopic Lung Cancer Models” Sydney, Australia. 10/28/2013

#### **Seminar Invitations from Other Institutions**

Therapy for Advanced Stage Non-small Cell Lung Cancer, University of Louisville, Louisville, KY, 3/1/1997

Update 1997-Non-small Cell Lung Cancer, St. Elizabeth's Hospital, Beaumont, TX, 8/1/1997

Novel Treatment Approaches for Breast Cancer: New Cytotoxic Agents and Antiangiogenesis Therapy, Children's Hospital Medical Center, Cincinnati, OH, 10/1/1997

Multimodality Therapy for Non-small Cell Lung Cancer, University of Texas A&M, Bryan, TX, 1/14/1998

New Chemotherapeutic Agents for Non-small Cell Lung Cancer: Novel Cytotoxic Agents and Antiangiogenesis Therapy, The University of Texas Medical Branch-Galveston, Galveston, TX, 2/4/1998

Current Therapy for Advanced Non-small Cell Lung Cancer-New Cytotoxic Drugs and Antiangiogenic Agents, The University of California-Davis Medical Center, Sacramento, CA, 2/27/1998

Therapy for Non-small Cell Lung Cancer, Bentaub Hospital, Houston, TX, 3/11/1998

Therapy for Advanced Non-small Cell Lung Cancer: Cytotoxic Agents, Antiangiogenesis Therapy, The University of Texas Health Science Center, Her, Houston, TX, 6/9/1998

Antiangiogenic Therapy-Truth versus Myth, Marshall University School of Medicine, Huntington, WV, 9/15/1998

Therapeutic Strategies for Advanced Non-small Cell Lung Cancer: New Cytotoxic Agents and Antiangiogenic Strategies, St. Paul University Hospital, Dallas, TX, 10/14/1998

Antiangiogenesis: Preclinical Studies and Clinical Trial, Henry Ford Hospital, Detroit, MI, 12/11/1998

Current Approaches to the Treatment of Advanced Non-small Cell Lung Cancer: New Cytotoxic Drugs and Antiangiogenic Agents, University of Washington Cancer Center, Seattle, WA, 3/5/1999

Targeted Drug Therapy for Advanced Non-small Cell Lung Cancer: Angiogenesis and Signal Transduction Inhibitors, Wayne State Medical Center, Detroit, MI, 10/28/1999

Molecular Therapy of Non-small Cell Lung Cancer, University of Maryland Greenebaum Cancer Center, Baltimore, MD, 11/8/1999

Emerging Therapies for Advanced Non-small Cell Lung Cancer, University of Texas Southwestern Medical Center, Dallas, TX, 11/12/1999

Angiogenesis Inhibitors in Lung Cancer, Weill College of Medicine of Cornell University, New York, NY, 2/25/2000

Biologic Therapy of Lung Cancer, Henry Ford Hospital, Detroit, MI, 6/16/2000

Clinical Trial Designs Using New Biological Agents: Bridging the Gap Between the Laboratory and Clinic, M. D. Anderson Cancer Center-Orlando, Orlando, FL, 11/3/2000

Advances in Second Line Treatment of Lung Cancer, Midland Regional Hospital, Midland, TX, 11/29/2000

Angiogenesis and Epidermal Growth Factor Receptors as New Targets in Cancer Therapy, University of Cincinnati, Cincinnati, OH, 12/15/2000

Angiogenesis and Epidermal Growth Factor Receptors as New Targets in Cancer Therapy, Miami Valley Hospital, Dayton, OH, 12/15/2000

Novel Therapeutic Approaches for Advanced NSCLC: Antiangiogenic Agents and EGFR Inhibitors, Dana-Farber/Partners and Best Israel Hospital Thoracic, Boston, MA, 2/12/2001

New Treatment Trends in NSCLC, University of Chicago Grand Rounds, Chicago, IL, 2/26/2001

Novel Therapy for Advanced NSCLC: EGFR Inhibitors and Antiangiogenic Agents, Memorial Sloan Kettering Cancer Center Medical Gra, New York, NY, 11/20/2001

Novel Therapeutic Options for Advanced NSCLC: Antiangiogenesis Agents and EGFR, Mount Sinai School of Medicine-Division of Medical, New York, NY, 3/8/2002

Innovative Treatments for Small, Early Lung Cancer, Cornell University, New York, NY, 10/18/2002

Targeted Therapies for Lung Cancer, Memorial Sloan Kettering Cancer Center, New York, NY, 11/14/2002

Targeted Therapy for NSCLC, Mayo Clinic, Rochester, MN, 2/25/2003

Management of Advanced Lung Cancer, Dana Farber Cancer Institute, Boston, MA, 3/18/2003

Grand Rounds, Yale Cancer Center, New Haven, CT, 10/14/2003

Molecular Targeted Therapy for Advanced NSCLC, Indiana Cancer Center, Indianapolis, ID, 4/16/2004

Grand Rounds-Clinical Oncology, University of Pittsburgh Cancer Institute-Clinical, Pittsburgh, PA, 4/28/2004

Novel Therapeutic Strategies for Advanced Non-small Cell Lung Cancer, University of Chicago, Chicago, IL, 6/21/2004

From Prevention to Proteomics and Beyond, Mayo Clinic, Rochester, MN, 8/20/2004

Lung Cancer: The EGFR Family and EGFR Inhibitors as Treatment for NSCLC, Baylor College of Medicine, Houston, TX, 9/18/2004

Evolving Evidence Impacting Patient Outcomes in Non-Small-Cell Lung Cancer, Emory University, Atlanta, GA, 10/13/2004

Update on Novel Targeted Therapies for NSCLC, Martin Luther King Jr./Drew Medical Center, Los Angeles, CA, 4/14/2005

The Role of Tarceva (erlotinib) in the Treatment of Locally Advanced or metastatic NSCLC After Chemotherapy Failure, The University of Texas M. D. Anderson Cancer Center, Orlando, FL, 5/12/2005

Novel Therapeutic Approaches for Advanced Non-small Cell Lung Cancer: Antiangiogenic Drugs and Epidermal Growth Factor Receptor Inhibitors, Christus St. Elizabeth Hospital/Mamie McFadden War, Beaumont, TX, 5/31/2005

The Role of Tarceva (erlotinib) in the Treatment of Locally Advanced or Metastatic NSCLC After Chemotherapy Failure, The University of Texas Medical School, Houston, TX, 6/7/2005

Antiangiogenic Therapy for Cancer: Biologic Principles and Clinical Outcomes, Grand Rounds, Medical Center of Plano, Plano, TX, 8/25/2005

Recent Advances with HER1/EGFR-Targeting Therapies for Non-small Cell Lung Cancer, Grand Rounds, Scott and White Memorial Hospital and Clinic, Temple, TX, 1/12/2006

Therapies for Treating Non-small Cell Lung Cancer, Grand Rounds, Texas A&M University System-Health Science Center, Coastal Bend Health Education Center, Corpus Christi, TX, 2/22/2006

New Approches to Lung Cancer: Translating Clincial Research into Clinical Practice, Grand Rounds, University of Wisconsin Medical School, Madison, WI, 5/10/2006

Antivascular Therapy for NSCLC, Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Division of Cancer Medicine, Houston, TX, 7/11/2006

Oncologic Interventional Radiology Seminar Series: Lung Cancer, Didactic Sessions, Case Presentations and Practice Development Components with a Specific Focus on RF Ablation Techniques, Society of Interventional Radiology, Houston, TX, 1/18/2007

MD Anderson Battle Program: A New Paradigm for Personalized Medicine, Sanford-Burnham Institute, San Diego, CA, 7/30/2010

Grand Rounds, Winship Cancer Institute of Emory University, Atlanta, GA, 1/26/2011

Beth Israel Hematology/Oncology Grand Rounds, Boston, MA, 4/27/2011

Presentation at Pittsburgh Conference on May 5th, 2011

Progress on the Treatment of Lung Cancer, CancerCare, April 20, 2012

From Iressa to Battle: The Evolution of Personalized Treatment for Cancer, The University of Texas M.D. Anderson Grand Rounds, 4/24/2012

From Iressa to Battle: The Evolution of Personalized Therapy for Advanced Non-Small Cell Lung Cancer. Institute for Translational Medicine and Therapeutics (ITMAT) Seminar Series. University of Pennsylvania, PA. 6/28/2012.

Oncology Visiting Professorship CME/CE Program sponsored by the Academy for Continued Healthcare Learning, LLC. New Rochelle, NY. 1/4/2013.

Personalized Therapy for Advanced Non-Small Cell Lung Cancer. (Grand Rounds) University of Florida Shands Cancer Center, Gainesville, FL. 1/9/2013

**Lectureships and Visiting Professorships**

Chemotherapy XV Symposium Lectureship, TNP-470 and Taxol Chemotherapy, Mount Sinai Hospital, New York, NY, 11/1/1997

Methods Clinical in Cancer Research, AACR/ASCO, Vail, CO, 7/25/1998

Solid Tumor Update 1999, Emerging Therapy for Solid Tumors, New Drugs, AACR/ASCO, Vail, CO, 3/21/1999

Methods in Clinical Cancer Research, AACR/ASCO, Vail, CO, 8/1/2000

The Biology of Metastases: New Therapeutic Targets and Their Relevance for Current Clinical Practice, ASCO, Orlando, FL, 11/4/2000

Program Committee Meeting, ASCO, San Diego, CA, 1/26/2001

Cancer Communications Committee, ASCO, Scottsdale, AZ, 2/4/2004

Cancer Communication Committee, ASCO, Boston, MA, 8/1/2004

Methods in Clinical Cancer Research, AACR/ASCO, Vail, CO, 7/28/2007

Methods in Clinical Cancer Research, AACR/ASCO, Vail, CO, 8/2008

Challenging Conventional Cancer Care: The Untold Story of Tobacco's Effect on Cancer Biology, Treatment Response, and Survival, AACR Committee Service, Charlotte Friend Memorial Lectureship, Chicago, IL 3/31 – 4/3, 2012

Dartmouth College Grand Rounds, "Personalized Therapy for Advanced Non-Small Cell Lung Cancer," Hanover, New Hampshire, 06/20/2013.

**Other Presentations at State and Local Conferences**

Angiogenesis in Lung Cancer, Prognostic Factors, and Therapeutic Implications, Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 7/1/1998

Angiogenesis in Lung Cancer-Prognostic Factors and Therapeutic Implications, 11th Annual Clinical Community Oncology Program (CCOP) Meeting, Clinical Community Oncology Program, Houston, TX, 9/1/1998

Clinical Trial Design with Antiangiogenesis Agents, Workshop on Differentiating Agents in Head and Neck Cancer, Society of Differentiation, Houston, TX, 10/3/1998

Advances in the Treatment of Non-small Cell Lung Cancer, Grand Rounds, Methodist Hospital, Houston, TX, 10/7/1998

Non-small Cell Lung Cancer: Update 1998, Northeast Regional Medical Center, Humble, TX, 11/1/1998

Antiangiogenesis, Agents: Truths versus Myths, Advanced Practice Nurse Oncology Education Meeting, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 11/18/1998

The Treatment of Non-small Cell Lung Cancer: Multimodality and New Drug Approaches-Update 1998, Texas Academy of Family Physicians, Houston, TX, 12/1/1998

Antiangiogenic Agents with Solid Tumors, Houston Oncology Nursing Association, Houston, TX, 2/17/1999

Angiogenesis and Current Therapies, Department of Bioimmunotherapy, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 3/1/1999

Focus on Care: Medicine Science and Research, Living Fully with Cancer Conference, M. D. Anderson Cancer Center, Houston, TX, 9/25/1999

Angiogenesis Studies and Endostatin, Partners In Knowledge, News in Cancer Conference, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 10/5/1999

Trial Design Issues with Antiangiogenic Agents, Institutional Grand Rounds-Session, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 8/18/2000

Innovative Clinical Trials for Lung Cancer Patients, A Multidisciplinary, Living Fully with Cancer Conference, M. D. Anderson Cancer Center, Houston, TX, 9/8/2000

Clinical and Laboratory Studies of Lung Cancer Metastasis, Institutional Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 5/18/2001

Angiogenesis as a Novel Target in Cancer Therapy, 23rd Annual Pharmacy Symposium on Cancer Chemotherapy, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 9/30/2001

Clinical Studies with the Anti-Epidermal Growth Factor Receptor Monoclonal Antibody IMC-C225 in Head and neck and Lung Cancer, Institutional Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 10/19/2001

Angiogenesis Inhibitors, The University of Texas M. D. Anderson, Houston, TX, 1/18/2002

Molecular Targeted Therapy For Non-Small Cell Lung Cancer: A Status Report, Institutional Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 3/7/2003

Angiogenesis Inhibitors, Advances in the Management of Breast Cancer, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 3/18/2003

New Approaches to Development of Targeted Agents, Current Trends in Lung Cancer Conference, Houston, TX, 3/29/2003

Molecular Targeted Therapy of Lung Cancer: Update on the Epidermal Growth Factor Receptor Family, Institutional Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 9/1/2003

Lung Cancer Facts & Fallacies, Living Fully with Cancer Conference, M. D. Anderson Cancer Center, Houston, TX, 9/6/2003

Targeted Therapy for NSCLC, Department of Experimental Radiation Oncology Seminar, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 11/1/2004

Recent Advances with HER1/EGFR-Targeting Therapies for NSCLC, Houston, TX, 12/15/2004

Targeted Therapy in Lung Cancer, 2005 Update in Lung Medicine Conference, Houston, TX, 1/12/2005

Targeted Therapy for Non-small Cell Lung Cancer: From the Lab to the Clinic and Back Again, Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 7/15/2005

Pharmacodynamic Phase I Studies with Antiangiogenic Agents at M. D. Anderson Cancer Center, Grand Rounds-Early Clinical Trials at M. D. Anderson Cancer Center - Past, Present and Future, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 8/19/2005

Challenges for Implementation of Molecular Markers into Clinical Trials, 58th Annual Symposium on Fundamental Cancer Research-Discovery, Validation, and Integration of Molecular Markers and Molecular Imaging: Toward an Implementation into Clinical Practice, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 10/28/2005

Integrating Angiogenesis Inhibitors into Treatment of NSCLC, Current Trends in Lung Cancer and Head Neck Cancer, Houston, TX, 5/6/2006

Antivascular Therapy for NSCLC, Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Division of Cancer Medicine, Houston, TX, 7/11/2006

Treat of NSCLC: Medical Therapy Chemo and Molecular Targeted Therapy, Society of Interventional Radiology Meeting, Houston, TX, 1/18/2007

Integration of Angiogenesis Inhibitors Into Treatment of NSCLC, Current Trends in Lung Cancer and Head Neck Cancer, Houston, TX, 3/3/2007

Pharmacogenomic Approaches to Lung Cancer Therapy, Current Trends in Lung Cancer and Head Neck Cancer, Houston, TX, 3/10/2007

Co-Chairman, Third Annual Series of Educational Symposia on Advances in Oncology Emerging Trends, Targets, and Approaches to Solid Tumors, Houston, TX, 3/17/2007

Target Therapy in Oncology: Tyrosine Kinase Inhibitors and their Effects on the Cardiovascular System, Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 5/1/2007

To Kill a Tumor: Recent Advances in the Development of Apoptosis - Targeted Therapies, Clinical Trials Faculty Meeting, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 7/11/2007

Toward Personalized Therapy in Lung Cancer, 60th Annual Symposium on Cancer Research, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 10/13/2007

Toward Personalized Therapy for Lung Cancer, New Frontiers Lecture, 55th Annual Scientific Meeting, American Society of Cytopathology, Houston, TX, 11/4/2007

Toward Personalized Therapy for Lung Cancer, Mechanisms in Cancer Therapeutics, Pediatric Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 4/28/2008

The BATTLE-2 Clinical Trail – Lessons Learned from BATTLE-1, Advances in Oncology Institutional Grand Rounds, The University of Texas MD Anderson Cancer Center, Houston, TX, 8/6/2010

Non-Small Cell Lung Cancer, From Theory to Practice An Update on Prostate, Head and Neck , and Non-Small Cell Lung Cancers, VA Grand Rounds Meeting, Quintiles Medical Education, Houston, TX, 9/28/2010

Personalized Therapy for Advanced Non-small Cell Lung Cancer 3/23/2011, Yale Grand Rounds, New Haven, CT

Screening and Teaching 4/26/2011, Yale Cancer Center, New Haven, CT

What Will It Take to Curb the Tobacco Epidemic? Moderator: Roy Herbst. Yale Cancer Center, New Haven, CT

Personalized Therapy for Advanced Non-Small Cell Lung Cancer: Lessons Learned from the Battle Trials. Famri Seminar Series. Johns Hopkins, Baltimore, MD. 2/27/2012.

Division of Cancer Medicine Grand Rounds Presentation, M.D. Anderson Cancer Center, Houston, TX 4/23-24/2012.

From Molecular Mechanisms to Targeted Cancer Therapy, DFG Hinterzartener Kreis fur Krebsforschung, Villa La Collina, Cadenabbia, Italy, 4/26-29/2012

State-of-the-art Clinical Trials in 2012, Opportunities and Challenges in Lung Cancer Symposium, Manchester, England, 4/29-5/2/2012

Molecular and Mutational Testing in the NSCLC Setting. The Pulmonary Personalized Medicine Challenge. American Thoracic Society, Chicago, IL. 5/22-23/2012.

## **PROFESSIONAL MEMBERSHIPS/ACTIVITIES**

### **Professional Society Activities, with Offices Held**

#### **National and International**

American Medical Association (AMA)

Member, 1991–present

American Association for Cancer Research (AACR)

Member, 1996–present

Member, Career Development Award Committee, 2002–2003

Member, Phase I, II, and III Adult Clinical Trials Section of the Clinical Research Subcommittee of the 2003 Program Committee, 2003

Co-Chairman, Translational Research -- Molecular Biology in the Clinic Subcommittee of the Clinical Research Section of the 2006 AACR Program Committee, 2006

Member, AACR Grants Committee -- Chairman, Sub-Committee on Multidisciplinary Research -- Selection for the AACR-Gertrude B. Elion Cancer Research Award, 2006–2007

Member, 2007-2008 Selection Committee for the Dorothy P. Landon-AACR Prize for Translational Cancer Research, 2007–2008

Member, AACR Special Conferences Committee, 2007–2011

Chairperson, Multidisciplinary Grants Review Committee, 2008

Member, Phase II and Phase III Adult Clinical Trials Subcommittee of the Clinical Research Section of the 2008 Program Committee, 2008

Co-Chairperson, Program Committee for the 2009 Annual Meeting of the AACR, 2008–2009

Member, AACR Clinical Research and Experimental Therapeutics (CRET) Awards Selection Committee, 2008–2009

Member, Clinical Research and Experimental Therapeutics Awards Selection Committee, 2008–2010

Chairperson, Phase II and Phase III Adult Clinical Trials Subcommittee of the Clinical Research Section of the 2009 AACR Program Committee, 2009

Section Chairperson, Phase II and Phase III Adult Clinical Trials Subcommittee of the Clinical Research Section of the 2009 AACR Program Committee, 2009

Member, Clinical and Translational Research Committee, 2009–2012

Chairperson, AACR Task Force on Tobacco and Cancer, 2009–present

Member, AACR Science Policy and Legislative Affairs Committee, 10/2009–4/2012

Co-Chairperson, AACR-IASLC Joint Conference on Molecular origins of Lung Cancer: Biology, Therapy, and personalized Medicine, San Diego, CA 1/8-11, 2012

Science Policy and Legislative Affairs Committee, AACR Vice Chair, March 2012 to present

Cancer Patient Tobacco Use Assessment Task Force, 2013-present

American Society of Clinical Oncology (ASCO)

Member, 1996–present

Member, Lung Program Committee, 2000–2002

Chairman, Lung Cancer Program Subcommittee, 2001–2002

Guest Planner, Annual Meeting Education Program, 2003

Member, Cancer Communications Committee, 2003–2006

Member, Molecular Targeted Therapy Program Committee, 2004–2005

Chairman, Cancer Communication Committee, 2005–2006

Elected Member, Nominating Committee, 6/2010–6/2013

Cancer Research Committee, 2011 – Present

Chair, Lung Cancer Clinically Meaningful Outcomes Committee, 2013-present

American Association for the Advancement of Science (AAAS)

Member, 1998–present

American College of Physicians (ACP)

Member, 1998–present  
Fellow, 2010–present

Radiation Therapy Oncology Group (RTOG)

Member, Chemoprevention Committee, 1999–2003  
Vice Chairman, Lung Committee, 2002–2009

Commission on Cancer/National Cancer Data Base Thoracic Oncology Team

Member, 2002–present

National Cancer Institute (NCI)

Member, Lung Cancer Concept Evaluation Panel, 2002–2003  
External Reviewer, CTEP Concept Review Committee, 2005  
Ad Hoc Member, Clinical Oncology Study Section (CONC), 2008–present  
Reviewer, Clinical Oncology Study Section (CONC), 2008–present  
Co-Chair, Investigational Drug Steering Committee Task Force, 9/2010–9/2012  
Elected member, N of 1 Lung Strategy Committee, 2012–present

Southwest Oncology Group (SWOG)

Vice Chairman, 2002–2009

Alliance for Lung Cancer Advocacy, Support, and Education (ALCASE)

Member, Medical Advisory Committee, 2003

International Association for the Study of Lung Cancer (IASLC)

Chairman, Targeted Therapy Division of the Translational Research & Targeted Therapy Sub-Committee, 2003  
Member, Organizing Committee for the 2005 IASLC Conference, 2003–2005  
Chairman, Targeted Therapy Division of the Translational Research & Targeted Therapy Sub-Committee, 2005  
Member, Core Program Committee - Medical Oncology, 2007–2009  
Member, International Scientific Committee, 2007–2009  
Co-Chairperson, AACR-IASLC Joint Conference, Molecular Origins of Lung Cancer: Prospects for Personalized Prevention and Therapy, 2008–2010  
Member, Medical Oncology Section of the Core Program Committee for the World Conference on Lung Cancer 2009, 2008  
Chairman, Communications Committee, 2010–present

Coalition of Cancer Cooperative Groups (CCCG)

Member, Lung Cancer Scientific Leadership Council, 2005  
Member, 2007

Investigational Drug Steering Committee (IDSC)

Member, Angiogenesis Task Force, 2006–present  
Co-chair, Angiogenesis Task Force, 2008–2010

ASCO/AACR Workshop on Methods in Clinical Cancer Research

Member, Program Committee, 2007–2009

Institute of Medicine (IOM) -- National Cancer Policy Forum

Member, 2007–present

Lung Cancer Research Foundation (LCRF)

Member, Medical Advisory Board, 2007–2011

Friends of Cancer Research, Chair of Steering Committee

Member, 2012–present

Gilead Sciences, Inc.

Member, Joint Steering Committee, 2014–

**Local/State**

Texas Medical Association (TMA), TX  
Member, 2004–present

Statewide Clinical Trials Network of Texas (CTNeT), TX  
Member, Working Group, 10/2010 - 2011

**UNIQUE ACTIVITIES**

1. **Food and Drug Administration-Center for Drug Evaluation and Research**, Participation at Oncologic Drugs Advisory Committee: New drug application-ALIMTA, presentation title “Alimta Development,” Rockville, Maryland, 7/2/04
2. **Fouding PI**, Statewide Clinical Trials network of Texas (CTNeT), Texas, 2010
3. Thesis Review Committee, April 2014: Gerald Goh, “Discovery of Novel Driver Genes in Adrenocortical Tumors by Exome Sequencing”

**DATE OF LAST CV UPDATE**

04/15/2014

Committee on Energy and Commerce

U.S. House of Representatives

Witness Disclosure Requirement - "Truth in Testimony"  
Required by House Rule XI, Clause 2(g)

1. Your Name: Dr. Roy Herbst		
2. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes	No X
3. Are you testifying on behalf of an entity that is not a government entity?	Yes X	No
4. Other than yourself, please list which entity or entities you are representing:  Friends of Cancer Research		
Please list any Federal grants or contracts (including subgrants or subcontracts) that <u>you</u> or <u>the entity you represent</u> have received on or after October 1, 2011:		
5. R01CA155196 (Titled: Personalizing NSCLC Therapy: Exploiting KRAS Activated Pathways)		
6. If your answer to the question in item 3 in this form is "yes," please describe your position or representational capacity with the entity or entities you are representing:  Collaborator, chaired the working group on Lung Master Protocol Development 2012-2013.		
7. If your answer to the question in item 3 is "yes," do any of the entities disclosed in item 4 have parent organizations, subsidiaries, or partnerships that you are not representing in your testimony?	Yes	No X
8. If the answer to the question in item 3 is "yes," please list any Federal grants or contracts (including subgrants or subcontracts) that were received by the entities listed under the question in item 4 on or after October 1, 2011, that exceed 10 percent of the revenue of the entities in the year received, including the source and amount of each grant or contract to be listed:		
9. Please attach your curriculum vitae to your completed disclosure form.		

Signature: \_\_\_\_\_



Date: \_\_\_\_\_

7/7/14