

Curriculum Vitae **Andrew S. Kraft, MD**

Academic Positions

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|----------------|--|
| 2010 - Present | Distinguished University Professor, Medical University of South Carolina, Charleston, South Carolina |
| 2005 - Present | Associate Dean for Oncology Affairs, Medical University of South Carolina, Charleston, South Carolina |
| 2005 - Present | Professor of Biochemistry and Molecular Biology, Medical University of South Carolina, Charleston, South Carolina |
| 2004 - Present | Director, Hollings Cancer Center, William H. Folk, MD Chair in Experimental Oncology, Professor of Medicine, Medical University of South Carolina, Charleston, South Carolina |
| 1996 - 2004 | Professor of Medicine, Chief, Division of Medical Oncology, The Stapp/Harlow Professor of Cancer Research, University of Colorado Health Sciences Center, Denver, Colorado |
| 1997 - 2004 | Professor, School of Pharmacy, Department of Pharmaceutical Sciences, University of Colorado Health Sciences Center, Denver, Colorado |
| 1996 - 2004 | Head, Sarcoma Program, University of Colorado Cancer Center, Denver, Colorado |
| 1996 - 2004 | Head, Experimental Therapeutics Program, University of Colorado Cancer Center, Denver Colorado |
| 1994 - 1996 | Associate Director, Division of Hematology/Oncology University of Alabama at Birmingham, Birmingham, Alabama |
| 1992 - 1996 | Professor of Medicine, Division of Hematology/Oncology Associate Professor of Biochemistry-Associate Scientist, Comprehensive Cancer Center, University of Alabama at Birmingham, Birmingham, Alabama |
| 1987 - 1992 | Associate Professor of Medicine, Division of Hematology/Oncology, Associate Professor of Biochemistry-Associate Scientist, Comprehensive Cancer Center, University of Alabama at Birmingham, Birmingham, Alabama |

1983 - 1987 Assistant Professor of Medicine, Division of Hematology/Oncology, Assistant Professor of Biochemistry-Associate Scientist, Comprehensive Cancer Center, University of Alabama at Birmingham, Birmingham, Alabama

Education

1971 B.S., Biology, (Summa Cum Laude) Bucknell University, Lewisburg, Pennsylvania
 1971-1975 M.D., University of Pennsylvania, Philadelphia, Pennsylvania
 1975-1976 Medical Internship, The Mount Sinai Hospital, New York, New York
 1976-1978 Residency Internal Medicine, The Mount Sinai Hospital, New York, New York
 1978-1979 Emergency Room Physician, Sibley Hospital Washington, DC, and The Alexandria Hospital, Alexandria, Virginia
 1979-1982 Research Associate, Laboratory of Pathophysiology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
 1982-1983 Clinical Staff Fellow, National Cancer Institute, National Institutes of Health, Bethesda, Maryland

Board Certification

1980 Internal Medicine
 1985 Oncology

Honors

1989 Fogarty Fellow, Chester Beatty Laboratory, London, United Kingdom
 1989 Haddow Fellow, Chester Beatty Laboratory, London, United Kingdom
 1995 CaPCure Award
 1996 French ARC Fellowship
 1997 Monfort Professor of Cancer Research
 2003 Yamagiwa-Yoshida UICC International Grant
 2006 Pfizer Visiting Professorship in Oncology, Texas Tech University, Health Sciences Center
 2009 Pfizer Visiting Professorship in Oncology, Medical University of South Carolina, Hollings Cancer Center, Charleston, South Carolina
 2010 Distinguished University Professor, Medical University of South Carolina, Charleston, South Carolina

Elected Professional Society Memberships

American Society for Clinical Investigation
 Association of American Physicians

Additional Professional Societies

American Association of Cancer Research
 Southern Society of Clinical Investigations
 Western Association of Physicians
 American Society of Hematology
 Charleston County Medical Society
 American Society of Biologic Chemists

Reviewer of Scientific Journals

Biochemical Pharmacology

Blood

Cancer Research

International Journal of Cancer

Molecular Biology of the Cell

Molecular and Cellular Biology

Proceedings of the National Academy of Sciences

Editorial Boards

Cancer Biology

Cancer Biology & Molecular Therapy

Medical University of South Carolina Duties

Committee Chair to Recruit Division Chief of Hematology/Oncology

Clinical Research Task Force

Backfill Space Committee

Drug Discovery Building Steering Committee

Bioengineering/Life Sciences Building Steering Committee

South Carolina Cancer Disparities Community Network Steering Committee

Clinical and Translational Science Award Internal Planning Committee

Chair of Surgery Search Committee

Search Committee for Oncology Service Line Director

Clinical Enterprise Strategic Plan Steering Committee

Senior Leadership Council

College of Medicine Research Advisory Committee

University of Colorado Cancer Center Duties

Head, Experimental Therapeutics Program

Space Committee Member

Member - Breast Cancer Program Director Recruitment Committee

Clinical Cancer Center Director Recruitment Committee

Clinical Cancer Center Committee

University of Colorado Health Sciences Committees

Backfill Space Committee

Recruitment Committee to select a Head for Medical Genetics

Committee to formulate a development plan for Ph.D.s in the Department of Medicine

School of Medicine Research Retreat Committee to formulate 5-year University Plan

National Committees

NIH Study Section - Ad Hoc Member Hematology Study Section

Southwest Oncology Group – Sarcoma and Genitourinary Committee

ASCO Program Committee

NCI-Cancer Center Site Visit Review Team

University of Chicago, November 2007

University of Miami, February 2008

University of Illinois, October 2009

University of Kentucky, December 2009

University of Maryland, March 2010

PATENT pending

Kraft, AS and Smith, CH

INHIBITORS OF Pim-1 PROTEIN KINASE, COMPOSITIONS, AND METHODS FOR
TREATING PROSTATE CANCER

Vortex Biotechnology Corporation (start up)

Andrew S. Kraft, MD, President and Chief Medical Officer

INVITED LECTURES

- 1988 Biologic Response Modifier Branch, National Cancer Institute, Fred., Maryland
- 1989 Shering Research Corporation, Bloomfield, New Jersey
- 1990 Chemistry and Biology of Bryostatin 1, National Cancer Institute, Frederick, Maryland
- 1992 Meeting on Oncogenes, Hood College, Frederick, Maryland
- 1992 Department of Microbiology, University of Kansas Medical Center, Kansas City, Kansas
- 1992 Department of Microbiology, Eastern Virginia Medical School, Norfolk, Virginia
- 1993 Department of Pharmacology, University of Wisconsin, Madison, Wisconsin
- 1995 Division of Oncology, Univ. of Colorado, Denver, Colorado
- 1996 CaPCure Prostate Cancer Retreat
- 1996 International Workshop on “Cytokines, signaling and the JAK/STAT pathway”
- 1997 Grand Rounds - Department of Medicine University of Colorado Health Sciences Center
- 1997 Department of Chemistry - University of Colorado Boulder, Boulder, Colorado
- 1998 School of Pharmacy - University of Colorado Health Sciences Center
- 2000 Division of Hematology/Oncology- Children’s Hospital, Denver Colorado
- 2000 Division of Medical Oncology – University of Pittsburg, Pittsburgh, Pennsylvania
- 2000 Cancer Center – Mt. Sinai Medical School, New York, New York
- 2001 Cancer Center – University of Rochester, Rochester, New York
- 2002 Walter and Eliza Hall Institute, Melbourne, Australia
- 2003 H. Lee Moffitt Cancer Center and Research Institute, Tampa, Florida
- 2003 University of Massachusetts Medical Center, Worcester, Massachusetts
- 2004 Amgen, Thousand Oaks, California
- 2004 Human Genome Sciences, Rockville, Maryland
- 2004 University of Kentucky, Lexington, Kentucky
- 2004 Exelixis, South San Francisco, California
- 2004 Wake Forest University, Winston-Salem, North Carolina
- 2005 TGen – Translational Genomics Research Institute, Phoenix, Arizona
- 2005 South Carolina Oncology Society, Charleston, South Carolina
- 2006 Winship Cancer Center, Emory University, Atlanta, Georgia
- 2006 Piedmont Oncology Association Program Committee, Charleston, South Carolina
- 2006 University of South Carolina, Columbia, South Carolina
- 2007 Texas Tech University, Lubbock, Texas
- 2008 Charles University in Prague, Czech Republic
- 2009 The Netherlands Cancer Institute, Amsterdam
- 2010 Louisiana Cancer Research Consortium, New Orleans, Louisiana

Current Funding

Granting Agency – National Institutes of Health, 1R41CA150965-01A1 (STTR)

Title – Pim Protein Kinase Inhibitors as Anti-Leukemia Agents

Principle Investigator – Andrew S. Kraft

Total Project Period 12/01/10 – 11/30/11

Total Funding - \$250,000 (funding expected with Priority Score = 25)

Pending

Granting Agency – Department of Defense

Title – Novel Therapeutic Approaches Toward Treating Prostate Cancer

Principle Investigator – Andrew S. Kraft

Total Project Period 4/15/10 – 5/14/12

Total Funding - \$700,000

Granting Agency – National Institutes of Health

Title – Cancer Center Support Grant

Principal Investigator – Andrew S. Kraft, MD

Total Project Period 4/1/09 – 3/30/14

Total Funding - \$7,830,976

Score = Excellent

Granting Agency – Avon Corp.

Title – HCC Breast Cancer Patient Navigation

Principle Investigator – Andrew S. Kraft

Total Funding \$250,000

Granting Agency – State of South Carolina

Title - Center of Economic Excellence in Tobacco Related Malignancy

Principle Investigator – Andrew S. Kraft

Total Funding \$10,000,000

Granting Agency – State of South Carolina

Title – Center of Economic Excellence in Gastrointestinal Malignancy

Co-investigator – Andrew S. Kraft

Total Funding \$10,000, 000

Granting Agency – State of South Carolina

Title – Center of Economic Excellence in Stem Cell Biology & Therapy

Co-investigator – Andrew S. Kraft

Total Funding \$10,000,000

Granting Agency – Department of Defense

Title - The Mechanism of Action of Unique Small Molecules that Inhibit the Pim Protein Kinase Blocking Prostate Cancer Cell Growth

Principal Investigator – Andrew S. Kraft, MD

Total Project Period 4/1/09-3/31/2012

Total Funding - \$375,000 Total Funding

Granting Agency – National Institutes of Health STTR

Title - Development of Pim Protein Kinase Inhibitors as Anti-Cancer Agents

Principal Investigator – Andrew S. Kraft, MD

Total Project Period 8/01/09- 7/31/10

Total Funding \$250,000

Pending Funding

Granting Agency-National Institutes of Health, 5R01 CA104710-05 A1

Title - Mechanisms by Which Proteasome Inhibitors Enhance Apoptosis

Principal Investigator - Andrew S. Kraft, M.D. Total Project Period 3/1/09-2/28/14

Total Funding \$1,200,000

Granting Agency – National Institutes of Health

Title – Investigating Pim Kinase in Prostate Cancer Using Small Molecule Inhibitors

Principal Investigator – Andrew S. Kraft, MD Total Project Period 7/1/09 – 6/30/2014

Total Funding - \$1,843,750 Total Direct & Indirect Costs for Entire Project Period

RECENT PAST FUNDING

Granting Agency-National Institutes of Health, 5R01 CA104710-05

Title - Mechanisms by Which Proteasome Inhibitors Enhance Apoptosis

Principal Investigator - Andrew S. Kraft, M.D.

Total Funding \$1,000,000

Total Project Period 03/01/03-02/29/08 no cost extension through 2009

Granting Agency – American Cancer Society BC-522, BC-522A

Title: The Mechanism of Action of Phorbol Ester

Principal Investigator – Andrew S. Kraft, M.D.

Total Funding - \$292,800

Total Project Period 1/1/86 – 12/31/90

Granting Agency – Department of the Navy N00014-89-006

Title: Therapeutic Use of Bryostatin 1 in Bone Marrow Failure and Over-Whelming Sepsis

Principal Investigator - Andrew S. Kraft, M.D.

Total Funding – \$400,848

Total Project Period 3/15/89 – 3/14/92

Granting Agency – Fogarty International Center F06 tw01522-01

Title: The Role of Protein Kinase C in Mediating N-RAS Protein Transcriptional Activation

Principal Investigator – Andrew S. Kraft, M.D.

Total Funding – \$19,200

Total Project Period 8/1/89 – 7/31/90

Granting Agency - American Cancer Society RPG-93-019-06-CDD

Title: Preclinical Studies of the Anticancer Agent Bryostatin

Principal Investigator - Andrew S. Kraft, M.D.

% Effort - 10%

Total Project Period 7/1/93 - 6/30/99

Granting Agency – Council for Tobacco Research 3749R2

Title: Regulation of mRNA Transcription by Jun Family Members

Principal Investigator – Andrew S. Kraft, M.D.

Total Funding – \$109,608

Total Project Period 1/1/94 – 7/31/96

Granting Agency - National Institutes of Health R03CA66634

Title - Bryostatin Therapy in Chronic Myelogenous Leukemia

Principal Investigator - Andrew S. Kraft, MD

Total Funding - \$100,000

Total Project Period 4/1/95 - 3/31/97

Granting Agency - National Institutes of Health R21CA68284

Title - Bryostatin 1 Therapy of Metastatic Melanoma

Principal Investigator - Andrew S. Kraft, M.D.

Total Project Period - 9/15/95 - 8/31/98

Granting Agency - CaPCure

Title - Bryostatin-1 based therapy of prostate cancer

Principal Investigator - Andrew S. Kraft, MD

Total Project Period - 1/23/97-1/27/98

Granting Agency - Department of Defense

Title - Chemotherapy of Late Stage Breast Cancer targeted Towards Cell Cycle Regulatory Components.

Principal Investigator - Dr. Tom Langan

% Effort - 10%

Total Project Period - 10/1/98-9/30/02

Granting Agency - National Institutes of Health DK 44741

Title- The Mechanism of Action of GM-CSF

Principal Investigator - Andrew S. Kraft, MD

Total Project Period 10/1/95 - 10/30/02

Granting Agency - National Institutes of Health CA78631

Title- Regulation of Prostate Cancer Programmed Cell Death

Principal Investigator - Andrew S. Kraft, MD

Total Funding - \$620,140

Total Project Period - 8/14/98 - 04/30/02

Granting Agency - National Institutes of Health -Training grant, T32 CA79446-05

Title - Clinical Pharmacology of Antineoplastic Agents

Principal Investigator - Andrew S. Kraft, MD

Total Funding \$778,261

Total Project Period 9/1/99 - 8/31/04

Granting Agency - Department of Defense, DAMD 17-01-1-0045

Title – Overcoming Resistance of Prostate Cancer to TRAIL-Mediated Apoptosis

Principal Investigator - Andrew S. Kraft, MD

Total Funding \$620,000

Total Project Period – 06/01/01-06/30/04

Granting Agency – Prostate Cancer Foundation (CaPCure)

Title- Pim protein kinase – levels correlate with human prostate cancer growth – prevents chemotherapy killing: investigations into Pim mechanism of action.

Principal Investigator – Andrew S. Kraft, MD

Total Funding \$75,000

Total Project Period 1/31/04 – 1/30/05

Granting Agency - National Cancer Institute, 7R21 CA95183-03

Title - Pim-1 Protein Kinase As A Target for Drug Discovery

Principal Investigator - Andrew S. Kraft, MD

Total Funding \$200,000

Total Project Period 4/1/02-3/31/06 1-year no cost extension

Granting Agency – National Cancer Institute (NCI) 5P20 CA093282-03

Title – Hollings Cancer Center Planning Grant

Principal Investigator – Andrew S. Kraft, M.D.

Total Funding \$350,044

Total Project Period 08/24/04 – 07/31/06

Granting Agency – Department of Defense, DAMD, W81XWH 05-1-0126

Title - Pim Protein Kinase – Levels correlate with Prostate Tumor growth and chemotherapy resistance – potential Mechanism of Pim Action

Principal Investigator – Andrew S. Kraft, M.D.

Total Funding \$375,000

Total Project Period 12/1/04 -11/30/07 no cost extension

POST-DOCTORAL FELLOWS

PAST

James Reeves: 1985-88
Marie Wooten: 1986-87
Felicia William: 1986-89
Tino Unlap: 1989-92
Christopher Franklin: 1989-94
Samual Adunyah: 1989-92
Victor Adler: 1991-94
Clement Asiedu: 1993-96
Ikuya Sakai: 1993-96
William Jackson: 1995-96
Tetsuya Matsuguchi: 1995-96
Srikanth Sampathkumar: 1996-98
John Pawlowski: 1997-2000
Yuri Ionov: 1999-2001
Linsheng Zhang: 2000
Masaoki Takano: 2000
Sookhee Bang: 2000

Tammie Yeh: 2000-01
Alexander Nesterov: 1998-2002
Joseph Biggs: 1994-2004
Tim Johnson: 1997-2004
Malti Nikrad: 2001-04
Wei Wei Chen: 2002-06
Youhang Zhang: 2002-06
Changmin Chen: 2005-06
Julianna Soosirajah: 2004-05
Sean Xiong (Graduate Student): 2004-07
Jian Ma: 2004-07
Suiquan Wang: 2004-07
Karthikeyan Kandasamy: 2005-08
Fengxue Zhang: 2007-09
Kelly Henderson: 2007-09
Yin Wei Lin: 2008-11

CURRENT

Sandeep Mahajan:
2005-
Jin Song: 2006-
Zanna Beharry:
2007-
Bo Cen: 2008-
Marina Zemskova:
2008-

CLINICAL PROTOCOLS
Hollings Cancer Center Principal Investigator

Protocol Title	Phase	Sponsor	Total Funding
Phase I Trial of Concurrent Taxotere with Radiation Therapy and Hormonal Therapy for Clinically Localized High Risk Prostate Cancer	Phase I	MUSC	\$100,000
VELCADE (bortezomib) for Injection Therapy for Early Relapsed Prostate Cancer	Phase II	Millennium	\$164,809
A Phase II Study of Neo-adjuvant Cisplatin, Gemcitabine, & Avastin, followed by Radical Cystectomy for Patients with Muscle Invasive, Resectable, Non-Metastatic Transitional Cell carcinoma (TCC) of the Bladder	Phase II	Genentech, Inc.	\$77,313
A Multicenter, Open-Label, Single-Arm Study of YONDELIS (trabectedin) for Subjects With Locally Advanced or Metastatic Soft Tissue Sarcoma Who Have Relapsed or Are Refractory to Standard of Care Treatment	Phase III	Johnson & Johnson	\$5,000
Phase II Study of Neoadjuvant Gemcitabine/Oxaliplatin and Cetuximab Followed by Surgery or Concurrent External Beam Radiation With Capecitabine for Patients With Locally Advanced Unresectable Nonmetastatic Pancreatic Cancer	Phase II	MUSC	\$102,947
Phase II Studies of Two Different Schedules of Dasatinib (NSC-732517) in Bone-Metastasis Predominant Metastatic Breast Cancer	Phase II	SWOG	\$16,000
A Pivotal Trial to Determine the Efficacy and Safety of AP23573 when Administered as Maintenance Therapy to Patients with Metastatic Soft-tissue or Bone Sarcomas	Phase III	ARIAD Pharmaceuticals, Inc.	\$117,000

ALTTO (Adjuvant Lapatinib and/or Trastuzumab Treatment Optimisation Study) A Randomised, Multi-Centre, Open-Label, Phase III Study of Adjuvant Lapatinib, Trastuzumab, their Sequence and their Combination in Patients with HER2/ERBB2 Positive Primary Breast Cancer	Phase III	CTSU/NCICCTG	\$18,000
Phase III Study of Docetaxel and Atrasentan Versus Docetaxel and Placebo for Patients with Advanced Hormone Refractory Prostate Cancer	Phase III	SWOG	\$16,000
Randomized Study of LAROTAXEL + Cisplatin (LC) vs. Gemcitabine + Cisplatin (GC) in the First Line Treatment of Locally Advanced /Metastatic Urothelial Tract or Bladder Cancer	Phase III	Sanofi-Aventis	\$129,750
A Phase 1/2 Study of Doxorubicin and A12 in Advanced Soft Tissue Sarcoma	Phase I/II	University of Chicago	\$25,000
Phase II Study of Gemcitabine and CPT-11 (Irinotecan) in Locally Advanced and Metastatic Bladder Cancer	Phase II	Pfizer	\$40,600
Phase II Evaluation of Early Oral Estramustine, Oral Etoposide and Intravenous Paclitaxel in Combination With Hormone Therapy in Patients with High-Risk Metastatic Adenocarcinoma of the Prostate	Phase II	SWOG	\$6,000
A Phase I Study of Topotecan in Combination with Vinorelbine in Recurrent Lung Cancer	Phase I	GlaxoSmithKline	\$106,500
Phase I Trial of Bortezomib (VELCADE TM) and Celecoxib in Patients with Advanced Solid Tumors	Phase I	Milennium	\$179,080

Adjuvant Androgen Deprivation Vs Mitoxantrone Plus Prednisone Plus Androgen Deprivation in Selected High Risk Prostate Cancer Patients Following Radical Prostatectomy, Phase III	Phase III	SWOG	\$2,000
An Open-Label Study of Capecitabine and Docetaxel as Neoadjuvant Treatment for Patients with Recently Diagnosed HER2-neu Negative Breast Cancer Plus Trastuzumab for HER2-neu Positive Breast Cancer (Xena Trial)	Phase IV	Roche Laboratories	\$51,705
A Phase 3, Randomized, Open-Label Study Evaluating DN-101 in Combination with Docetaxel in Androgen-Independent Prostate Cancer (AIPC) (ASCENT-2)	Phase III	Novacea	\$48,300
A Randomized Trial of Adjuvant Chemotherapy with Standard Regimens, Cyclophosphamide, Methotrexane and Fluorouracil - (CMF) or Doxorubicin and Cyclophosphamide - (AC), Versus Capecitabine in Women 65 Years and Older with Node Positive or Node-Negative Breast Cancer	Phase III	CTSU/CALGB	\$2,000
A Phase 2 Multicenter, Open-Label Study of CNTO 328 (Anti-IL-6 Monoclonal Antibody) in Combination with Mitoxantrone versus Mitoxantrone in Subjects with Metastatic Hormone-Refractory Prostate Cancer (HRPC)	Phase II	Johnson & Johnson	\$8,575
Peripheral Blood Molecular Staging of Breast Cancer: A Prospective Cohort Study Designed to Determine the Clinical Significance of Molecular Detection of Breast Cancer in the Peripheral Blood of Stage IV Breast Cancer Patients	N/A	NCI	\$4,000

A Phase 2, Randomized, Multi-Center, Open-Label Study to Evaluate the Efficacy and Safety of Mapatumumab ([HGS1012], a Fully Human Monoclonal Antibody to TRAIL-R1) in Combination with Carboplatin and Paclitaxel as First Line Therapy in Subjects with Advanced Non-Small Cell Lung Cancer (NSCLC)

Phase II

Human Genomics Sciences, Inc.

\$13,949

A Randomized, Multicenter, Phase III Study Comparing the Combination of Pazopanib and Lapatinib versus Lapatinib Monotherapy in Patients with ErbB2 over-expressing Inflammatory Breast Cancer

Phase III

GlaxoSmithKline

\$136,226

A Phase II Trial Of Dasatinib(Sprycel®) In Subjects With Hormonerefractory Prostate Cancer, Previously Treated With Chemotherapy

Phase II

University of California, Irvine

\$30,000

Hollings Cancer Center Co-Investigator

Protocol Title	Phase	Sponsor	Total Funding
A Randomized, Double-Blind Phase III Trial of Adjuvant Sunitinib Vs Sorafenib Vs Placebo in Patients with Resected Renal Cell Carcinoma	Phase III	CTSU/ECOG	\$20,000
A Phase I/II Trial Of A Combination Of Paclitaxel And Trastuzumab With Daily Irradiation Or Paclitaxel Alone With Daily Irradiation Following Transurethral Surgery For Non -Cystectomy Candidates With Muscle-Invasive Bladder Cancer	Phase I/II	RTOG	\$8,000
A Double-Blind, Randomized, Placebo-Controlled Phase III Study to Assess the Efficacy of recMAGE-A3 + AS15 Antigen-Specific Cancer Immunotherapeutic as Adjuvant Therapy in Patients with Resectable MAGE-A3-Positive Non-Small Cell Lung Cancer	Phase III	GlaxoSmithKline	\$85,731

A Pivotal Trial to Determine the Efficacy and Safety of AP23573 when Administered as Maintenance Therapy to Patients with Metastatic Soft-tissue or Bone Sarcomas	Phase III	ARIAD Pharmaceutical, Inc.	\$117,000
A Phase III Trial of Short Term Androgen Deprivation with Pelvic Lymph Node or Prostate Bed Only Radiotherapy (Sport) in Prostate Cancer Patients with a Rising PSA After Radical Prostatectomy	Phase III	RTOG	\$12,000
Biomarkers of Tumor Angiogenesis and Response to Sunitinib Maleate in Renal Cell Carcinoma	Pilot/ Feasibility	MUSC	\$74,055
A Randomized, Phase III Trial of ABI-007 and Carboplatin® Compared with Taxol® and Carboplatin® as First-line Therapy in Patients with Advanced Non-Small Cell Lung Cancer (NSCLC)	Phase III	Abraxis	\$219,650
A Phase 2 Exploratory Study of Erlotinib and SNDX-275 in Patients with Non-small Cell Lung Carcinoma Who Are Progressing on Erlotinib	Phase II	Abraxis	\$198,700
A Phase II, Open Label, Single Arm Study of AS1411 in Patients with Advanced Renal Cell Carcinoma	Phase II	Abraxis	\$80,753
Randomized, Phase III, Double-Blind Placebo-Controlled Trial of Sunitinib (NSC #736511, IND #74019) as Maintenance Therapy in Non-Progressive Patients Following an Initial Four Cycles of Platinum-Based Combination Chemotherapy in Advanced. Stage IIIb / IV Non-Small Cell Lung Cancer	Phase III	CTSU/CALGB	\$12,000
Postoperative Evaluation of 5-FU by Bolus Injection Vs. 5-FU by Prolonged Venous Infusion Prior to and Following Combined Prolonged Venous Infusion Plus Pelvic XRT Vs. Bolus 5-FU Plus Leucovorin Plus Levamisole Prior to and Following Combined Pelvic XRT i	Phase III	CALGB	\$8,000

Phase II Study of PEG-Interferon, GM-CSF and Thalidomide in Metastatic Renal Cell Carcinoma	Phase II	Schering-Plough	\$30,000
An Open-Label, Randomized, Multicenter Study to Evaluate the Use of Zoledronic Acid in the Prevention of Cancer Treatment-Related Bone Loss in Postmenopausal Women with ER+ and/or PR+ Breast Cancer receiving Letrozole as Adjuvant Therapy	Phase III	Novartis	\$11,781
Phase II Study of Gemcitabine and Cpt-11 (Irinotecan) in Unresectable or Metastatic Renal Cell Carcinoma	Phase II	Eli Lilly	\$102,500
Randomized Phase III Study of Cisplatin and Irinotecan (NSC-616348) Versus Cisplatin and Etoposide in Patients with Extensive Stage Small Cell Lung Cancer (E-SCLC)	Phase III	SWOG	\$6,000
A Phase II Study of Tirapazamine (NSC-130181)/Cisplatin/Etoposide and Concurrent Thoracic Radiotherapy for Limited Stage Small Cell Lung Cancer	Phase II	SWOG	\$2,000
Phase I Trial of Bortezomib (PS-341; NSC 681239) and Flavopiridol (NSC 649890) in Patients with Recurrent or Refractory Indolent B-cell Neoplasms	Phase I	NCI	\$6,000
A Phase II Randomized Trial for Patients with Muscle-Invasive Bladder Cancer Evaluating Transurethral Surgery and Bid Irradiation Plus Either Paclitaxel and Cisplatin or 5-Fluorouracil and Cisplatin followed by Selective Bladder Preservation and Gemcitabine	Phase II	RTOG	\$2,000
Phase I Study to Evaluate the Safety/Tolerability and Immunogenicity of V-930 in Patients with Cancers Expressing HER-2 and/or CEA Bevacizumab as First-Line Therapy	Phase I	Merck	\$52,459

XELOX - A - DVS (Dense Vs Standard): A Randomized Study of Intermittent Capecitabine in Combination with Oxaliplatin (XELOX Q3W) and Bevacizumab versus Intermittent Capecitabine in Combination with Oxaliplatin (XELOX Q2W) and Bevacizumab as First-Line Therapy	Phase II	Roche Laboratories	\$13,708
Neoadjuvant Chemoradiation Therapy with Oxaliplatin and Capecitabine for Patients with Surgically Resectable Gastric Cancer: A Pilot Phase II Trial with Molecular Correlates	Phase II	SWOG	\$2,000
A Phase II Trial of Combination Carboplatin, Paclitaxel, Cetuximab and Bevacizumab (NSC-704865) Followed by Cetuximab and Bevacizumab in Patients with Advanced Non-Small Cell Lung Cancer	Phase II	SWOG	\$2,000
A Phase 1/2, Open-Label, Dose Escalation Study to Assess the Safety and Pharmacokinetics of Recombinant Interleukin 21 (rIL-21) Administered Concomitantly with Sorafenib (Nexavar) in Subjects with Metastatic Renal Cell Carcinoma	Phase I/II	ZymoGenetics	\$197,320
A Randomized, Double Blinded, Multi- Center Study to Estimate the Efficacy and Evaluate the Safety and Tolerability of Sorafenib in Combination with AMG 386 or Placebo as First Line Therapy for Subjects with Metastatic Clear Cell Carcinoma of the Kidney	Phase II	Amgen, Inc.	\$536,176
AXITINIB (AG-013736) As Second Line Therapy For Metastatic Renal Cell Cancer: Axis Trial	Phase III	Pfizer	\$47,500
A Study Pazopanib Versus Sunitinib in the Treatment of Subjects with Locally Advanced and/or Metastatic Renal Cell Carcinoma	Phase III	GlaxoSmithKline	\$121,783

A Phase I Safety and Tolerability Study of LBH589 in Combination with Sorafenib in Patients with Advanced Renal Cell Carcinoma and Non-small Cell Lung Carcinoma (NSCLC) of Non-squamous Histologies

Phase I

MUSC

\$988,581

A Randomized Double Blind Phase II Trial of Cisplatin plus Etoposide with/without Concurrent ZD6474 in Patients with Previously Untreated Extensive Stage Small Cell Lung Cancer: Hoosier Oncology Group LUN06-113

Phase II

Astra Zeneca

\$18,375

A Phase III, Randomized, Double-Blind, Placebo-Controlled Multi-Center Study of ASA404 in Combination with Docetaxel in Second-Line Treatment of Patients with Advanced or Metastatic (Stage IIIB/IV) NSCLC

Phase III

Novartis

\$52,975

REVIEWS, EDITORIALS AND BOOK CHAPTERS

1. **Kraft AS:** So What's New with Jun? Am. Journ. of Med Sci. 302: 176-180, 1991.
2. Woodgett JR, Pulverer BJ, Nikolakaki E, Plyte S, Hughes K, Franklin CC, and **Kraft AS:** Regulation of jun/AP-1 oncoproteins by protein phosphorylation. Advances in Second Messenger & Phosphoprotein Research. 28: 261-9, 1993.
3. **Kraft AS:** Bryostatins 1- Will the oceans provide a cancer cure? J National Cancer Institute;85: 1790-1792, 1993.
4. Franklin CC, Adler V, and **Kraft AS:** Phosphorylation of transcription factors. Methods in Enzymology. Vol: 254, 550-564, 1995.
5. Biggs JR, **Kraft AS:** Inhibitors of Cyclin-dependent Kinase and Cancer. Journal of Molecular Medicine 73: 509-514, 1995.
6. Pawlowski, J. and **Kraft, AS.** Bax-induced apoptotic cell death. Commentary Proc. Natl. Acad. Sci. USA. 96: 14476-14481, 1999.
7. Nesterov A, **Kraft AS.** In Response 04-4319. Letter to the Editor Can Res 2005; 65:(4).

PUBLICATIONS

1. **Kraft AS**, Anderson WB, Cooper HL and Sando JJ: Decrease in cytosolic calcium/phospholipid-dependent protein kinase activity following phorbol ester treatment of EL4 thymoma cells. *J Biol Chem* 257:13193-13196, 1982.
2. Anderson WB, **Kraft AS** and Evain-Brion D: Effect of retinoic acid and phorbol ester treatment of embryonal carcinoma cells on calcium, phospholipid-dependent protein kinase activity. In: *Teratocarcinoma Stem Cells. Vol 10* Cold Spring Harbor, 1983.
3. **Kraft AS** and Anderson WB: Phorbol esters increase the amount of calcium phospholipid-dependent protein kinase associated with plasma membrane. *Nature* 301:621-623, 1983.
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ABSTRACTS

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