



Department of Defense

*Prostate Cancer
Research Program*

*1999 Awards Book
September 2000*

Headquarters, U.S. Army Medical Research and Materiel Command
MCMR-PLF, 1077 Patchel Street
Fort Detrick, Maryland 21702-5024



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INTRODUCTION

The U.S. Army Medical Research and Materiel Command (USAMRMC) is pleased to present the award list of funded projects for its fiscal year 1999 (FY99) Prostate Cancer Research Program. Award negotiations were completed on September 30, 2000. The awards listed in this document were selected by a competitive two-tiered review process. Funding decisions were based on evaluations of scientific excellence in the first review tier, followed by determinations of programmatic relevance in the second tier. These projects represent a diverse portfolio of scientific research in three categories: (1) Training/Recruitment Awards, (2) Research Awards, and (3) Infrastructure Awards.

Congress directed \$50 million in appropriations for prostate cancer research in FY99. Following receipt of funds, a programmatic strategy was developed, proposals were solicited and evaluated, awards were selected, and contract negotiations were completed. A total of 104 studies was funded.

The Training/Recruitment Award category includes Postdoctoral Traineeship Awards and Minority Population Focused Collaborative Training (MPFCT) Awards. Postdoctoral Traineeship Awards are intended to allow recent doctoral degree graduates to gain experience in prostate cancer research. The intent of the MPFCT Awards is to encourage new investigators to focus their research efforts on the disparity in prostate cancer incidence and mortality among different ethnic groups.

The Research Award category included New Investigator Awards (NIAs) and Idea Development Awards. The NIAs are targeted to support investigators in the early phases of their careers. The Idea Development Awards are intended to encourage innovative approaches to prostate cancer research from established prostate cancer investigators and those investigators who want to move into the prostate cancer field.

The Infrastructure Awards category consists of Prostate Cancer Center Initiation Awards, which are intended to establish regional centers for the study and treatment of prostate cancer. Four Prostate Cancer Center Initiation Awards were funded. Additionally, the Tri-Service project, which was intended to establish a prostate cancer tissue and serum repository and clinical database, was continued.

In addition to the research funded through the FY99 appropriation, a small number of FY99 proposals was funded with remaining funds from the FY98 appropriation. These are listed and marked as FY98 awards.

As the funded scientists embark on these projects, the U.S. Army gratefully acknowledges the participation of their scientific advisors, prostate cancer survivors, and the prostate cancer advocacy community. The expertise, vision, and diversity of perspectives of all of the individuals who contribute to this program are vital to developing a sound investment strategy that benefits all persons living with prostate cancer. It is with great anticipation and excitement that the USAMRMC awaits the outcomes of these research projects.

FY99 Prostate Cancer Research Program

TRAINING/RECRUITMENT AWARDS

**FY99 Prostate Cancer Research Program
Postdoctoral Traineeship Awards**

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|-------------|---|-----------------|--|
| | Last Name | First Name | | | |
| PC990048 | Chen | Charlie D. | California, University of, Los Angeles | \$84,000 | Identification and Characterization of Transcriptional Intermediary Factors Involved in Androgen Independence of Prostate Cancer |
| PC990031 | Chen | Yi Rong | Baylor College of Medicine | FY98 - \$84,000 | c-Jun N-Terminal Kinase and Apoptotic Signaling in Prostate Cancer |
| PC990049 | Dai | Jie | Cornell University, Weill Medical College | \$84,000 | Neutral Endopeptidase Inhibits Neuropeptide-Mediated Growth of Androgen-Independent Prostate Cancer |
| PC990035 | Devi | Gayathri R. | Oregon Health Sciences University | FY98 - \$84,000 | Antiproliferative Actions of IGFBP-3 and Its Proteolytic Fragments in Human Prostate Cancer |
| PC990019 | Doll | Jennifer A. | Northwestern University Medical School | \$84,000 | Functional Angiogenic Mediators in Prostate Cancer |
| PC990037 | Edlund | Magnus | Virginia, University of | \$82,944 | The Integrin-Regulated Kinase PYK-2: A Therapeutic Target for Prostate Cancer |
| PC990005 | Frijhoff | Anita F. | M. D. Anderson Cancer Center, University of Texas | FY98 - \$83,670 | Cell Cycle Regulation in Prostate Cancer and Its Role in the Transition of Androgen-Dependent Prostate Cancer to Androgen-Independancy |
| PC990012 | Ke | Ning | Burnham Institute | \$84,000 | Characterization of a Novel Apoptosis Regulator BI-1 |
| PC990030 | Li | Xiaochun | Texas Health Science Center, University of, San Antonio | \$83,642 | Targeted Antibody Inhibition of Bone Metastases by Prostate Cancer |
| PC990014 | Lu | Xiaojun | Colorado Health Sciences Center, University of | \$83,976 | TRAIL-Induced Apoptosis – A Prostate Cancer Therapy |
| PC990010 | Malik | Nusrat P. | Baylor College of Medicine | FY98 - \$83,999 | The Role of Androgen Receptors in Androgen-Independent Prostate Cancer |

Training / Recruitment Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|------------|--|-----------------------------------|--|
| | Last Name | First Name | | | |
| PC990004 | McNeel | Douglas G. | Washington, University of | FY98 - \$57,130 | Evaluation of Prostatic Acid Phosphatase (PAP) as a Candidate Antigen for the Development of Cancer Vaccines for Prostate Cancer |
| PC990045 | Nava | Victor E. | Georgetown University | \$84,000 | Role of Sphingosine Kinase in Radiation-Induced Apoptosis of Human Prostate Cancer Cells |
| PC990017 | O'Keefe | Denise S. | Memorial Sloan-Kettering Cancer Center | \$83,997 | Characterization of Prostate-Specific Membrane Antigen (PSMA) for Use in Therapeutic and Diagnostic Strategies against Prostate Cancer |
| PC990047 | Pai | Jih Tung | Burnham Institute | \$84,000 | Tumor Targeting with Phage Libraries |
| PC990029 | Pandori | Mark W. | Beth Israel Deaconess Medical Center, Boston | FY98 - \$79,000 FY99 - \$5,000 | Investigating the Use of the Prostate-Specific Membrane Antigen as a Receptor for Retroviral Gene-Transfer Agents |
| PC990042 | Schwab | Tracy S. | Michigan, University of | \$81,271 | The Contributions of 8p Loss and 8q Gain to the Malignant Phenotype in Human Prostate Tumors |
| PC990044 | Steadman | David J. | Georgetown University | \$84,000 | DNA Binding of the Prostate Homeobox Protein NKX3.1 |
| PC990022 | Takeuchi | Toshihiko | California, University of, San Francisco | \$83,742 | Determining Gene Expression, Substrate Specificity, and Natural Substrates for Prostate-Associated Proteases |
| PC990040 | Thomas | Tania | Vanderbilt University | \$84,000 | The Development and Characterization of a Transgenic Mouse Model Overexpressing a Truncated TGF(B) Type II Receptor in the Prostate |
| PC990018 | Thompson | Todd A. | Wisconsin, University of, Madison | \$79,788 | Modulation of Androgen-Induced Oxidative Stress Responses as a Chemoprevention Measure in Prostate Cancer |
| PC990016 | Vazquez | Francisca | Dana-Farber Cancer Institute | \$84,000 | Regulation of the Tumor Suppressor Protein PTEN by Phosphorylation |
| PC990038 | Zhou | Ge | Baylor College of Medicine | \$83,999 | The Role of an Orphan Nuclear Receptor COUP-TFII in Prostate Development and Tumorigenesis |

FY99 Prostate Cancer Research Program

Minority Population Focused Collaborative Training Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|------------|---|--------------|--|
| | Last Name | First Name | | | |
| PC991318 | Chan | Evelyn C. | Texas, University of, Houston Health Science Center | \$75,000 | Informed Consent for Prostate Cancer Screening with Prostate-Specific Antigen in African Americans, Hispanics, and Caucasians |
| PC991287 | Franklin | John R. | Columbia University | \$74,999 | Assessment of Genetic Variations among Different Ethnic/Racial Groups: An Explanation of Ethnic/Racial Disparities in Prostate Cancer Risk and Mortality |
| PC991188 | Higginbotham | John C. | Alabama, University of, Tuscaloosa | \$71,329 | Investigating the Ethnic Disparity in Prostate Cancer Morbidity and Mortality in the Rural Deep South |
| PC991137 | Kombe | Gilbert C. | George Washington University | \$74,988 | Prostate Cancer in the Metropolitan Washington, DC, Hispanic Community |
| PC991054 | Price | Marva M. | Duke University Medical Center | \$74,984 | Using a Tracking System to Improve Prostate Cancer Screening and Follow-up in a Small Urban Community |
| PC991436 | Ukoli | Flora A. | Howard University | \$75,000 | The Role of Dietary Fat and Antioxidants in Prostate Cancer Risk among West African Migrants in America: A Pilot Case-Control Study |

FY99 Prostate Cancer Research Program

RESEARCH AWARDS

FY99 Prostate Cancer Research Program

New Investigator Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|-------------|---|--------------|--|
| | Last Name | First Name | | | |
| PC991178 | Agurs-Collins | Tanya D. | Howard University | \$224,984 | Relationships between IGF-1, IGF-Binding Proteins, and Diet in African American and Caucasian Men |
| PC991461 | Armstrong | Katrina | Pennsylvania, University of | \$357,750 | Treatment Decisions in Localized Prostate Cancer: Patient, Partner, and Physician |
| PC991371 | Ayala | Gustavo E. | Baylor College of Medicine | \$331,334 | Neuro-Epithelial Interactions in Prostate Carcinoma |
| PC991569 | Brown | Michael P. | Royal Adelaide Hospital | \$247,500 | In Vitro Induction of Human Cytotoxic T Lymphocytes Using Recombinant Fowlpox Virus Vectors Encoding Minimal Epitopes and Interleukin-12 |
| PC991154 | Buckley | David L. | Manchester, University of | \$295,414 | A Quantitative MRI Study of Prostate Cancer before and after Radiation Therapy |
| PC991036 | Bushman | Wade | Northwestern University | \$320,690 | An Embryonic Growth Pathway is Reactivated in Human Prostate Cancer |
| PC991075 | Cryns | Vincent L. | Northwestern University | \$330,647 | Molecular Mechanisms of Prostate Cancer Cell Death |
| PC991089 | Denmeade | Samuel R. | Johns Hopkins University, East Baltimore Campus | \$368,347 | Enzymatic Activation of Proteasome Inhibitor Prodrugs by Prostate-Specific Antigen as Targeted Therapy for Metastatic Prostate Cancer |
| PC991366 | DeWeese | Theodore L. | Johns Hopkins University, East Baltimore Campus | \$210,835 | Biomarkers of Oxidative Injury and Their Modulation in Prostatic Tissue from Patients with Prostate Cancer |
| PC991552 | Foty | Ramsey A. | New Jersey, University of Medicine and Dentistry of, Robert Wood Johnson Medical School | \$353,250 | Tissue Surface Tensiometry: A Novel Method for Assessing the Invasive Potential of Prostate Tumors |
| PC991548 | Foulkes | William D. | Montreal General Hospital Research Institute | \$287,885 | Locating a Prostate Cancer Susceptibility Gene on the X Chromosome by Linkage Disequilibrium Mapping Using Three Founder Populations in Quebec and Switzerland |

Research Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|------------|--|--------------|---|
| | Last Name | First Name | | | |
| PC991103 | Freeman | Vincent L. | Loyola University, Chicago | \$342,000 | Prostate Cancer in Nigerians, Jamaicans, and U.S. Blacks |
| PC991507 | Garabedian | Michael J. | New York University | \$371,250 | Characterization of Factors Affecting Androgen Receptor Transcriptional Regulation in Prostate Cancer |
| PC991038 | Gardner | Thomas A. | Indiana University, Indianapolis | \$335,558 | Tumor Restrictive Gene Therapy for Metastatic Prostate Cancer |
| PC991090 | Gingrich | Jeffrey R. | Tennessee, University of, Memphis | \$319,229 | CaP3 Expression in the Biology of Prostate Cancer Progression |
| PC991108 | Hall | Simon J. | Mount Sinai School of Medicine, New York | \$379,487 | Interferon Gamma and PSA-Restricted Expression of Fas Ligand: A Novel Gene Therapy Strategy for Prostate Cancer |
| PC991307 | Kilbridge | Kerry L. | Virginia, University of | \$332,460 | Utility Assessment for Prostate Cancer Screening among African American Men |
| PC991468 | Kittles | Rick A. | Howard University | \$206,940 | Cladistic Association Analysis of Genetic Effects on Prostate Cancer in African Americans |
| PC991568 | Kwon | Eugene D. | Loyola University, Chicago | \$342,001 | Androgen Ablation Combined with CTLA-4 Blockade-Based Immunotherapy as a Treatment for Prostate Cancer |
| PC991167 | Lin | Anning | Chicago, University of | \$238,661 | Signaling Mechanisms of Malignant Growth of Prostate Cancer Cells |
| PC991293 | McEntee | Michael F. | Tennessee, University of, Knoxville | \$312,938 | Effect of n-3 and n-6 Polyunsaturated Fatty Acids on Growth and Progression of Prostate Cancer in Vivo |
| PC991135 | Medin | Jeffrey A. | Illinois, University of, Chicago | \$342,321 | Development of Retrovirus-Mediated Immunotherapy of Prostate Cancer |
| PC991334 | Mohr | Ian J. | New York University | \$366,234 | Evaluation of a Novel, Attenuated Replication-Competent Herpes Simplex Virus as a Therapeutic Agent for Prostate Cancer |
| PC991085 | Mossine | Valeri V. | Missouri, University of, Columbia | \$301,415 | Multivalent Lactulose-Amines as Inhibitors of Prostate Cancer Metastasis |

Research Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|-----------------|--|--------------|---|
| | Last Name | First Name | | | |
| PC991513 | Munger | John S. | New York University | \$369,161 | The Role of $(\alpha\beta)6$ -Mediated Latent TGF(β)1 Activation in Prostate Cancer |
| PC991166 | Powell | William C. | Southern California, University of | \$361,348 | A Specific Bicistronic Approach to the Control of Prostate Cancer |
| PC991093 | Rui | Hallgeir | Henry M. Jackson Foundation | \$323,896 | Strategy to Identify Prostate Apoptosis-Suppressor Genes |
| PC991127 | Sadar | Marianne D. | British Columbia Cancer Agency | \$222,195 | Characterization of a New in Vivo Prostate Tumor Model That Progresses to Androgen Independence and Its Application in Determining Changes in Gene Expression |
| PC991403 | Sehgal | Inder | North Dakota State University | \$313,256 | TGF β 1 Regulation of Matrix Metalloproteinase-9 in Human Prostate Cancer Metastasis |
| PC991571 | Sikes | Robert A. | Virginia, University of | \$330,176 | UG311, an Oncofetal Marker Lost with Prostate Cancer Progression |
| PC991122 | Soldatenkov | Viatcheslav A. | Georgetown University | \$321,795 | Gene Therapy for Prostate Cancer Radiosensitization Using Mutant Poly (ADP-Ribose) Polymerase |
| PC991087 | Thomson | Axel A. | MRC Reproductive Biology Unit | \$269,557 | Analysis of Fgf10 and Smooth Muscle as Regulators of Normal and Neoplastic Prostatic Growth |
| PC991003 | Twum | Maxwell | Fayetteville State University | \$316,635 | Changing the Attitudes and Behaviors of Black Men to Screening for Prostate Cancer |
| PC991066 | Warrick | Cynthia A. | Howard University | \$224,187 | Pharmacists as Health Educators and Risk Communicators in the Prevention of Prostate Cancer |
| PC991359 | Weier | Heinz-Ulrich G. | Lawrence Berkeley National Laboratory | \$374,415 | Tyrosine Kinase Gene Expression Profiling in Prostate Cancer |
| PC991270 | Whang | Young E. | North Carolina, University of, Chapel Hill | \$324,289 | Restoring Sensitivity to Apoptosis in Prostate Cancer Cells by Reconstitution of the Tumor Suppressor PTEN |
| PC991559 | Zakowski | Sandra G. | Finch University of Health Sciences | \$279,323 | Emotional Expression and Psychological Adjustment to Prostate Cancer: A Brief Intervention for Patients and Their Partners |

Research Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|------------|---|--------------|---|
| | Last Name | First Name | | | |
| PC991452 | Zhang | Ming | Baylor College of Medicine | \$335,813 | The Role of Maspin in Prostate Tumorigenesis and Development |
| PC991001 | Zheng | Pan | Ohio State University | \$328,500 | Proto-Oncogene PML and Tumor Evasion in Prostate Cancer |
| PC991517 | Zhu | Liang | Albert Einstein College of Medicine of Yeshiva University | \$371,249 | p16 Axis in Androgen-Dependent Proliferation of Prostate Cancer Cells |

FY99 Prostate Cancer Research Program

Idea Development Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|---------------|---|--------------|--|
| | Last Name | First Name | | | |
| PC991476 | Abate Shen | Cory T. | New Jersey, University of Medicine and Dentistry of, Robert Wood Johnson Medical School | \$559,614 | A Mouse Model for Prostate Cancer |
| PC991065 | Cher | Michael L. | Wayne State University | \$174,714 | A Novel Approach to Manipulate the Human Bone Microenvironment in Prostate Cancer: Prevention of Bone Matrix Degradation by Inhibition of Matrix Metalloproteinase |
| PC991018 | Curjel | David T. | Alabama, University of, Birmingham | \$537,096 | Infectivity-Enhanced Adenoviruses for Improved Replicative Oncolysis |
| PC991503 | Efstratiadis | Argiris J. | Columbia University | \$638,122 | IGFs and Prostate Cancer in Transgenic Mice |
| PC991397 | Felton | James S. | Lawrence Livermore National Laboratory | \$694,206 | Quantifying the Effects of Preventive Foods on the Metabolism of a Prostate Carcinogen in Humans and in Prostate Cells Grown in Culture |
| PC991272 | Frelinger | John G. | Rochester, University of | \$594,861 | Development of a Novel Methodology for Improving CTL Recognition of Prostate-Specific Antigen (PSA) for the Immunotherapy of Prostate Cancer |
| PC991276 | Heston | Warren D. | Cleveland Clinic Foundation | \$555,615 | Development of a Biologic Basis for PSMA Targeting in Prostate Cancer |
| PC991159 | Kasahara | Noriyuki | Southern California, University of | \$454,799 | Improving Retroviral Vectors for Gene Therapy of Prostate Cancer |
| PC991528 | Lau | Yun-Fai Chris | Northern California Institute for Research and Education | \$478,525 | Roles of the Y Chromosome Genes in Prostate Cancer |
| PC991455 | Levine | Alice C. | Mount Sinai School of Medicine, New York | \$614,293 | Cox-2 and Prostate Cancer Angiogenesis |
| PC991114 | Lin | Sue-Hwa | M. D. Anderson Cancer Center, University of Texas | \$550,920 | Functional Analysis of C-CAMI Tumor Suppressor Gene by Targeted Gene Deletions |

Research Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|--------------|---|--------------------------------------|---|
| | Last Name | First Name | | | |
| PC991386 | Line | Bruce R. | Albany Medical College | \$567,853 | Evaluation of Radiolabeled Tumor Vessel Targeting Peptides as Novel Agents for the Staging and Therapy of Human Prostate Cancer |
| PC991353 | Marcelli | Marco | Baylor College of Medicine | \$478,014 | Apoptosis in Prostate Cancer |
| PC991405 | McBride | William H. | California, University of, Los Angeles | \$461,835 | Regulation of the Response to Radiotherapy and Hyperthermia in Prostate Cancer by the 26s Proteasome |
| PC991265 | McCrae | Keith R. | Case Western Reserve University | \$511,346 | Inhibition of Prostate Cancer Angiogenesis by HKa-Derived Peptides |
| PC991460 | Meadows | Gary G. | Washington State University, Pullman | \$538,134 | A Novel Approach to Treatment of Prostate Cancer |
| PC991520 | Mehta | Parmender P. | Miami School of Medicine, University of | \$562,498 | Intercellular Communication and Chemoprevention of Prostate Cancer by Analogs of Vitamin A and D |
| PC991308 | Miller | Gary J. | Colorado Health Sciences Center, University of | \$520,768 | HOXC Genes in Human Prostate Cancer |
| PC991561 | Nath | Ravinder | Yale University | \$553,034 | Permanent Implantation Brachytherapy for Prostate Cancer Using a Mixture of Radionuclides with Different Half-Lives |
| PC991274 | Nelson | Peter S. | Fred Hutchinson Cancer Research Center | \$538,642 | The Prostate Expression Database: PEDB |
| PC991429 | Pizer | Ellen S. | Johns Hopkins University, East Baltimore Campus | FY98 - \$234,500 FY99 - \$379,558 | Fatty Acid Synthesis and Prostate Cancer: Hormonal Regulation and Antimetabolite Targeting of an Acquired Function in Neoplasia |
| PC991016 | Prochownik | Edward V. | Children's Hospital, Pittsburgh | \$314,441 | Development of Rapid in Vitro and in Vivo Assays to Detect and Quantify myc Network Protein Associations |
| PC991140 | Rajasekaran | Ayyappan K. | California, University of, Los Angeles | \$512,865 | Characterization of the Role of the Cytoplasmic Tail of Prostate-Specific Membrane Antigen in Its Intracellular Localization and Function |
| PC991011 | Rastinejad | Fraydoon | Virginia, University of | \$335,704 | Structure/Function Studies of the Androgen Receptor DNA-Binding Region |

Research Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|--------------|--|--------------|---|
| | Last Name | First Name | | | |
| PC991578 | Robinson | Susan B. | Drew University | \$536,250 | Enhancing Awareness of Prostate Cancer Research in High-Risk Populations |
| PC991433 | Rosenfeld | Ron G. | Oregon Health Sciences University | \$499,972 | A Novel Member of the Insulin-Like Growth Factor Binding Protein Superfamily in Prostate Cancer |
| PC991258 | Seaman | William E. | Northern California Institute for Research and Education | \$551,441 | Characterization of SIRPs in Prostate Cancer Cells |
| PC991404 | Shurin | Michael R. | Pittsburgh, University of | \$471,339 | Immune Gene Therapeutic Correction and Protection of Disordered Dendritic Cells in Prostate Cancer |
| PC991261 | Sloane | Bonnie F. | Wayne State University | \$557,535 | Cathepsins B and K: Role in Metastasis of Human Prostate Cancer to Human Bone in an in Vivo SCID-hu Mouse Model |
| PC991098 | Suarez | Brian K. | Washington University | \$223,479 | An LOH Study of Chromosome 8 in Multiplex Prostate Cancer Sibships |
| PC991070 | Trock | Bruce J. | Georgetown University | \$581,809 | Molecular Epidemiology of Prostate Cancer |
| PC991395 | Turteltaub | Kenneth W. | Lawrence Livermore National Laboratory | \$707,633 | The Effect of Cancer Chemopreventive Agents on DNA Adduct Formation by the Dietary Prostate Carcinogen PhIP |
| PC991364 | Wilson | Elizabeth M. | North Carolina, University of, Chapel Hill | \$541,686 | Redox Regulation of Androgen Receptor Function in Prostate Cancer |
| PC991221 | Wolf | Dieter A. | Harvard University, Boston | \$600,791 | Proteolytic Mechanisms of Cell Cycle Control in Prostate Cancer |
| PC991538 | Wu | Hong | California, University of, Los Angeles | \$461,999 | The Function of PTEN Tumor Suppressor Gene in Prostate Cancer Development |
| PC991165 | Xu | Jianfeng | Maryland, University of, Baltimore | \$504,254 | Linkage Disequilibrium Mapping of Hereditary Prostate Cancer Genes in the Ashkenazi Jewish Population |
| PC991052 | Zhang | Lurong | Georgetown University | \$581,667 | Targeting of Prostate Cancer with Hyaluronan-Binding Proteins |

FY99 Prostate Cancer Research Program

***PROSTATE CANCER CENTER INITIATION
AWARDS***

FY99 Prostate Cancer Research Program

Prostate Cancer Center Initiation Awards

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|------------|--|--------------|---|
| | Last Name | First Name | | | |
| PC992022 | Matusik | Robert J. | Vanderbilt University | \$2,419,924 | Growth Inhibitory and Stimulatory Signals in Prostate Cancer |
| PC992041 | Petros | John A. | Emory University | \$2,156,870 | The Emory University Prostate Cancer Center Initiation Program |
| PC992018 | Ross | Ronald K. | Southern California, University of | \$2,200,891 | Molecular Determinants of Prostate Cancer Progression Across Race-Ethnicity |
| PC992004 | Sawyers | Charles L. | California, University of, Los Angeles | \$1,764,226 | Signal Transduction in Prostate Cancer |

FY99 Prostate Cancer Research Program

TRI-SERVICE PROJECT AWARD

FY99 Prostate Cancer Research Program
Tri-Service Project Award

| Log Number | Principal Investigator | | Institution | Award Amount | Proposal Title |
|------------|------------------------|------------|-----------------------------|--------------|---|
| | Last Name | First Name | | | |
| TS990001 | Sesterhenn | Isabel | Henry M. Jackson Foundation | \$300,000 | A Uniform Services Comprehensive Database and Tissue Repository for the Study of Epidemiological, Detection, Natural History, and Management Services for Prostate Cancer |

***FY99 Prostate Cancer Research Program
Participants***

PEER REVIEWERS

FY99 Prostate Cancer Research Program Peer Reviewers

| Peer Reviewer | Degree | Institution/Affiliation |
|---------------------------|----------------------------------|---|
| Abdel-Mageed, Asim Burhan | D.V.M., Ph.D. | Department of Urology, Tulane University Medical Center |
| Adair, W. Lee, Jr. | Ph.D. | Department of Biochemistry, University of South Florida College of Medicine |
| Ahmed, Khalil | Ph.D. | Cellular and Molecular Biochemistry Laboratory, University of Minnesota and VA Medical Center |
| Alexander, Robert | | Intercultural Cancer Council |
| Alperin, Noam | Ph.D. | Department of Radiology, University of Illinois at Chicago |
| Anderson, Robert John | | American Cancer Society |
| Andrykowski, Michael | Ph.D. | Department of Behavioral Science, University of Kentucky College of Medicine |
| Anscher, Mitchell | M.D. | Department of Radiation Oncology, Duke University Medical Center |
| Atwood, Jan | Ph.D., M.P.H., R.N., F.A.A.N. | University of Nebraska Medical Center |
| Augenlicht, Leonard | Ph.D. | Albert Einstein Cancer Center, Montefiore Hospital |
| Bachur, Nicholas | M.D., Ph.D. | Department of Medicine, University of Maryland Cancer Center |
| Bahnson, Robert | M.D. | Division of Urology, Ohio State University College of Medicine |
| Balk, Steven | Ph.D. | Hematology Oncology Division, Beth Israel Deaconess Medical Center |
| Bander, Neil | M.D. | Department of Urology, Cornell University Medical Center |
| Bartke, Andrzej | Ph.D. | Department of Physiology, Southern Illinois University School of Medicine |
| Belldegrun Arie | M.D. | University of California at Los Angeles School of Medicine |
| Berman, Howard | | Executive Secretary |
| Berwick, Marianne | Ph.D., M.P.H. | Memorial Sloan-Kettering Cancer Center |
| Bianchi, Albert | Ph.D. | Department of Cell Tumor Biology, Bristol-Myers Squibb |
| Curtis Bird, Richard | Ph.D. | Department of Pathobiology, Auburn University |
| Blair, William | M.S. | US TOO! International, Inc., Palmieri, Illinois |
| Blomberg, Bonnie | Ph.D. | Department of Microbiology and Immunology, University of Miami School of Medicine |
| Blood, Christine | Ph.D. | Palatin Technologies |
| Bloom, George | Ph.D. | Department of Cell Biology and Neuroscience, University of Texas Southwestern Medical Center |
| Bonavida, Benjamin | Ph.D. | Department of Microbiology and Immunology, University of California at Los Angeles School of Medicine |
| Boothman, David | Ph.D. | Departments of Radiation Oncology and Pharmacology, Case Western Reserve University |
| Boynton, Alton | Ph.D. | Department of Molecular Medicine, Northwest Hospital |
| Braunhut, Susan | Ph.D. | Department of Biology, University of Massachusetts at Lowell |
| Brock, William | Ph.D. | Department of Experimental Radiation Oncology, University of Texas M. D. Anderson Cancer Center |
| Brooks, James | M.D. | Department of Urology, Stanford University Medical Center |
| Brown, Diane | Ph.D. | College of Urban Labor and Metropolitan Affairs, Wayne Staff University |

| Peer Reviewer | Degree | Institution/Affiliation |
|----------------------|---------------|---|
| Brown, Terry | Ph.D. | Department of Biochemistry, Johns Hopkins University, School of Hygiene and Public Health |
| Bubley, Glenn | M.D. | Department of Cancer Biology, Harvard University, Beth Israel Deaconess Medical Center |
| Bump, Edward | Ph.D. | Joint Center for Radiation Therapy, Harvard Medical School |
| Burnett, Ralph | J.D. | National Prostate Cancer Coalition |
| Burnstein, Kerry | Ph.D. | Department of Molecular and Cellular Pharmacology, University of Miami School of Medicine |
| Bushman, Wade | M.D., Ph.D. | Department of Urology, Northwestern University |
| Buttyn, Ralph | Ph.D. | Department of Urology, Columbia University |
| Carey, Robert | M.B.A. | Midtown Urology Support Group |
| Carpten, John | Ph.D. | National Human Genome Research Institute |
| Carson, William, III | M.D. | Ohio State University, James Cancer Hospital |
| Cerhan, James | M.D., Ph.D. | Mayo Clinic |
| Chai, Karl | Ph.D. | Department of Molecular Biology and Microbiology, University of Central Florida |
| Chamberland, Bert | Ph.D. | US TOO! International, Inc., St Joseph's Hospital, Wichita, Kansas |
| Chapman, J. Donald | Ph.D. | Department of Radiation Oncology, Fox Chase Cancer Center |
| Chatterjee, Bandana | Ph.D. | Department of Cellular and Structural Biology, University of Texas Health Science Center at San Antonio |
| Chavez, Noel | Ph.D. | School of Public Health, University of Illinois at Chicago |
| Chen, Yong | Ph.D. | Department of Pathology, Wayne State University |
| Cheng, Liang | M.D. | Department of Pathology and Urology, Indiana University Hospital |
| Chrysogelos, Susan | Ph.D. | Lombardi Cancer Center, Georgetown University |
| Chung, Leland | Ph.D. | Department of Urology, University of Virginia Health Sciences Center |
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GLOSSARY OF TERMS

Glossary of Terms

Idea Award: The intent of Idea Development Awards is to encourage innovative approaches to prostate cancer research from established prostate cancer investigators and those investigators who want to move into the prostate cancer field. The research focus of Idea Development proposals should address an issue relevant to prostate cancer biology, prevention, and/or therapy. This research may represent a new paradigm, challenge existing paradigms, or look at an existing problem from a new perspective. All Idea Development proposals must include preliminary data in prostate cancer research that are relevant to the proposed project.

New Investigator Award: The intent of New Investigator Awards is to promote and reward innovative ideas and technology for conquering prostate cancer from investigators in the early phases of their careers. The research focus of New Investigator proposals should address an issue relevant to prostate cancer biology, prevention, and/or therapy. A New Investigator is defined as an independent investigator (Assistant Professor or equivalent) in the early phase of his/her career. Although this research is inherently risky in nature and does not require preliminary or pilot data, these proposals nonetheless should be based on a sound scientific rationale that is established through a critical review and analysis of the literature and/or logical reasoning.

Postdoctoral Traineeship Award: The intent of Postdoctoral Traineeship Awards is to enable recent doctoral degree graduates with limited postdoctoral experience (i.e., 3 years or less) to either extend ongoing research related to prostate cancer or to broaden the scope of their research to include work relevant to prostate cancer under the guidance of a designated mentor. The research focus of Postdoctoral Traineeships should address an issue relevant to prostate cancer biology, prevention, and/or therapy.

Minority Population Focused Collaborative Training Award: Minority Population Focused Collaborative Training (MPFCT) Awards are intended to initiate and increase research efforts investigating the disparity in prostate cancer incidence and mortality among different ethnic groups. Further, MPFCT Awards are intended to attract new investigators to this research area and to foster collaboration between applicants and researchers established in the field of prostate cancer research. The research focus should address an issue relevant to prostate cancer biology, prevention, and/or therapy. One of the goals of these awards is to establish and foster collaboration between applicant and established investigators; therefore, applications are required to include collaboration with an established investigator.

Prostate Cancer Center Initiation Awards: The intent of Prostate Cancer Center Initiation Awards is to invigorate the research community, bring new investigators into the field of prostate cancer, and make great strides toward conquering prostate cancer by engaging experts from multiple disciplines to establish regional centers for the study and treatment of prostate cancer. Prostate Cancer Center Initiation Awards will provide institutions the opportunity to acquire the experience, resources, data, and services needed to compete for funding from other resources. The overall proposal must represent an innovative, multidisciplinary approach that is integrated around a common theme relevant to prostate cancer biology, prevention, and/or therapy.