

DEPARTMENT OF DEFENSE
Prostate Cancer Research
Program

*1997/1998 Award List &
Glossary of Terms*

United States Army Medical Research and Materiel Command
MCMR-PLF, 524 Palacky Street
Fort Detrick, Maryland 21702-5024

The Department of Defense (DOD) and the U.S. Army Medical Research and Materiel Command are pleased to present the awards for the Fiscal Year 1997/1998 (FY 97/98) Prostate Cancer Research Program (PCRP). The awards listed in this document were selected by a competitive two-tiered review process from over 600 submitted proposals. Funding decisions resulted from the matching of scientific excellence in the first tier of review with programmatic relevance judged in the second tier of review. These projects represent a diverse portfolio of scientific research directed towards the program's overall goal of conquering prostate cancer.

The PCRP was established in FY 97 by public law (P.L. 104-863, The National Defense Authorization Act for Fiscal Year 1997). Congressional direction for FY 97 specified \$38 million for peer-reviewed prostate cancer research. An additional \$38 million was appropriated in FY 98 to continue the PCRP. FY 98 funds were combined with the FY 97 appropriation because of the high scientific quality of proposals received for the FY 97 PCRP, and the enthusiasm from Congress and the scientific and advocacy communities to more rapidly distribute funds to scientists. During the months that followed the receipt of funds, program strategies were developed, proposals were solicited and evaluated, and awards were selected.

The FY 97/98 PCRP promoted innovative ideas and technology through both clinical and basic science in an effort to conquer prostate cancer. The program mission was to foster innovative, multi-institutional, multidisciplinary, and regionally focused research. The five primary goals of the program were: (1) to pursue new directions and breakthrough ideas and approaches in prostate cancer, (2) to prepare new scientists and encourage established investigators to join in the battle against prostate cancer, (3) to embrace prostate cancer public awareness and education, (4) to promote a unique dual-phase funding strategy, and (5) to fund a balanced attack across broad disciplines of prostate cancer.

The combined FY 97/98 programmatic strategy was implemented by a solicitation for proposals in two subcategories, New Investigator Awards and Idea Development Awards, for which approximately \$61.5 million was allocated. The intent of the New Investigator Awards was to promote and reward innovative ideas and technology from new investigators. The Idea Development Awards, on the other hand, were intended to support innovative projects from established investigators. Forty-three New Investigator proposals totaling approximately \$10.5 million and 125 Idea Development proposals totaling approximately \$50 million were funded.

Following programmatic review for the FY 97/98 funds, it was clear that not all the set-aside funds for Historically Black Colleges and Universities/Minority Colleges would be allocated. Additionally, the PCRP acknowledged the disparity in prostate cancer incidence and mortality rates of patients with prostate cancer in some ethnic groups. In response to these concerns, the PCRP solicited Minority Population Focused Training Award (MPFTA) proposals that would enable investigators to develop a prostate cancer concept that focuses on the higher rate of prostate cancer incidence and mortality for African-American men compared to men of other ethnic groups. Seventeen MPFTAs were funded by the PCRP totaling \$800,000.

Furthermore, a set-aside was established for a Tri-Service Project. The intent of this award category was to increase the participation of the three branches of the Armed Forces in the PCRCP. The vision of this project was to (1) establish a prostate cancer tissue/serum repository as a resource for both military and non-military investigators; (2) incorporate a demonstration project to illustrate the utility of the tissue/serum repository by examining inter-racial differences among men with prostate cancer; and (3) encourage military participation in clinical trials. Funds in the amount of \$108,113 have been allocated to this project.

As the funded scientists embark on these projects, the DOD and the U.S. Army gratefully acknowledge the participation of their scientific advisors, prostate cancer survivors, and consumer advocates. The expertise, visions, and diversity of perspectives of all members who contributed to this program were vital to developing the soundest investment on behalf of all persons with or at risk for prostate cancer. It is with great anticipation and excitement that we await the outcomes of this research.

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**FY 97/98 PROSTATE CANCER
RESEARCH PROGRAM
FUNDED PROJECTS**

CARCINOGENESIS, ETIOLOGY,
AND TUMOR BIOLOGY

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
IDEA DEVELOPMENT AWARDS
28 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970075	Borgstrom	Per	Sidney Kimmel Cancer Center	Angiostatic Therapy: A New Treatment Modality for Prostate Cancer	\$533,385.00
PC970068	Culp	Lloyd	Case Western Reserve University	Prostate Carcinoma Metastasis Tracked with Histochemical Marker Genes	\$403,104.00
PC970425	Doxsey	Stephen	University of Massachusetts Medical Center	Centrosome Defects, Genetic Instability and Prostate Cancer Progression	\$436,100.00
PC970111	Feldman	David	Stanford University	Vitamin D-Androgen Interaction in Prostate Cancer	\$453,419.00
PC970449	Furbert-Harris	Paulette	Howard University (HBCU)	Modulation of Adhesion Molecule Expression on Prostate Tumor Cells after Co-Culture with Eosinophilic Cell Lines	\$355,055.03
PC970115	Gelman	Irwin	Mount Sinai School of Medicine	A Novel Diagnostic and Therapeutic Marker for Prostate Cancer	\$286,660.00
PC970368	Harrison	Robert	University of Rochester	Androgen Regulation of Human Prostate Cell Growth	\$448,576.00
PC970272	Ho	Shuk-Mei	Tufts University	Role of Estrogen Receptor-(Beta) in Growth Regulation of an Androgen-Independent Prostate Cancer Cell Line (DU145) and Its Expression in PIN Lesions	\$464,763.00
PC970559	Honn	Kenneth	Wayne State University	Bioactive Lipids: Role in Prostate Cancer Angiogenesis	\$468,750.00
PC970529	Jett	Marti	Walter Reed Army Institute of Research	Fatty Acid Binding Protein as a Potential Marker and Therapeutic Target in Prostate Cancer	\$162,729.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970551	Kleinberg	David	New York University	IGF-I and Growth Hormone in Prostate Development and Prostate Cancer	\$513,442.00
PC970597	Languino	Lucia	Yale University School of Medicine	(beta-1) and (beta-3) Integrins in Prostate Cancer	\$507,872.00
PC970410	Lee	Chung	Northwestern University	Expression of Transforming Growth Factor-beta (TGF-beta) in Prostate Cancer Progression	\$457,156.00
PC970101	Lin	Sue-Hwa	M. D. Anderson Cancer Center	Tumor-Specific Regulation of C-CAM Cell Adhesion Molecule in Prostate Carcinogenesis	\$424,854.00
PC970519	McCarthy	James	University of Minnesota	Alpha-Chemokine Receptors and Integrin Function in Prostate Cancer	\$421,821.00
PC970302	Meier	Kathryn	Medical University of South Carolina	Phospholipase D as a Novel Therapeutic Target in Prostate Cancer	\$331,429.00
PC970489	Mohler	James	University of North Carolina at Chapel Hill	A Novel Approach to the Elucidation of the Mechanism of Development of Androgen-Independent Growth of Prostate Cancer	\$371,910.00
PC970295	Pasqualini	Renata	The Burnham Institute	Prostate Cancer Treatment Based on the Suppression of Angiogenesis and Metastasis	\$291,000.00
PC970366	Pasternack	Gary	Johns Hopkins University	Molecular Changes in pp32 in Prostate Cancer	\$430,786.00
PC970146	Peehl	Donna	Stanford University	A Unifying Theory of Prostate Cancer	\$486,645.00
PC970458	Reed	John	The Burnham Institute	Regulation of Androgen Responses in Prostate Cancer by BAG-1	\$304,000.00
PC970450	Reiter	Robert	Regents of the University of California	Development of a Transgenic Stem Cell Model of Prostate Cancer	\$358,618.00
PC970322	Ruoslahti	Erkki	The Burnham Institute	Targeting Prostate Vasculature	\$608,364.00
PC970254	Thompson	Timothy	Baylor College of Medicine	Molecular Pathways in Hormone-Refractory Prostate Cancer	\$384,220.00
PC970506	Tiwari	Raj	New York Medical College	Tumor Associated Antigenic Peptides in Prostate Cancer	\$482,206.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970502	Underhill	Charles	Georgetown University Medical Center	Pericellular Hyaluronan and Prostate Cancer	\$461,974.00
PC970584	Ware	Joy	Virginia Commonwealth University	Novel Role of Wilms' Tumor Gene 1 (WT1) in Prostate Cancer	\$355,658.00
PC970468	Young	Charles	Mayo Clinic and Foundation	Molecular Mechanisms of Essential Fatty Acids and Metabolites in Regulation of Prostate Cancer Cell Growth	\$262,004.00

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
NEW INVESTIGATOR AWARDS
12 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970149	Chen	Yong	Wayne State University	Role of the DIP Molecules in DCC Signaling	\$279,615.00
PC970012	Dougherty	Shona	Regents of the University of California, Los Angeles	Isolation and Functional Characterization of Prostate Tumor-Specific Hypoxia-Inducible Promoter/Enhancer for Use in Gene Therapy	\$263,455.00
PC970073	Fraizer	Gail	M. D. Anderson Cancer Center	Repression of the Androgen Receptor by WT1, a Tumor Suppressor Gene	\$150,694.00
PC970259	Hsieh	Jer-Tsong	University of Texas	Characterization of Putative Homeostatic Molecules in Prostate Development and Androgen-Independent Prostate Cancer	\$302,497.00
PC970173	Loh	Stewart	State University of New York	Structural Basis of Human Mutant p53 Reactivation by Synthetic Peptides	\$273,657.00
PC970107	Navone	Nora	University of Texas	Osteoblast-Prostate Cancer Cell Interaction in Prostate Cancer Bone Metastases	\$240,134.00
PC970113	Pascal	Steven	University of Rochester	Structure and Interactions of a Protein Linked to Apoptosis Response in Prostate Tumors	\$263,509.00
PC970078	Pettaway	Curtis	M. D. Anderson Cancer Center	Angiogenesis Regulates Prostate Cancer Metastasis	\$175,718.00
PC970189	Schenk	Mary Jean	Wayne State University	A Pilot Case-Control Study of Serum DDE Levels and Prostate Cancer	\$112,442.00
PC970260	Shappell	Scott	Vanderbilt University	Novel Fatty Acid Lipoygenases in the Development of Human and Murine Prostate Cancer	\$220,236.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970537	Shen	Michael	University of Med. & Dentistry of New Jersey	In Vivo Models for Studying Nkx3.1 Function in Prostate Cancer	\$298,125.00
PC970348	Williams	Briana	Louisiana State University Medical Ctr.	The Effect of eIF4E Antisense RNA Expression on Prostate Tumor Angiogenesis and Growth	\$162,199.00

GENETICS AND MOLECULAR
BIOLOGY

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
IDEA DEVELOPMENT AWARDS
30 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970014	Bancroft	Carter	Mount Sinai Medical Center	Novel Technology for Cloning Prostate Cancer Cell Markers	\$425,000.00
PC970249	Bieberich	Charles	University of Maryland (UMBC)	Molecular Basis of Prostate-Specific Androgen-Independent Expression of a Homeobox Gene	\$336,662.00
PC970276	Bova	G. Steven	Johns Hopkins University	Isolation of Novel Prostate Cancer Tumor Suppressor Genes in African American and Caucasian Men through Laser Microdissection and Representational Difference Analysis	\$473,213.00
PC970412	Bruchovsky	Nicholas	British Columbia Cancer Agency	Inhibition of Ligand-Independent Activation of the Androgen Receptor: A Potential Mechanism for Blocking Malignant Progression of Prostate Cancer	\$233,875.00
PC970137	Buttayan	Ralph	Columbia University	Therapeutic Resistance of Prostate Cancer Mediated by Cadherin T6	\$413,398.00
PC970193	Curiel	David	University of Alabama, Birmingham	Conditionally Replicative Adenovirus for Prostate Cancer Therapy	\$391,828.00
PC970582	Depinho	Ronald	Dana-Farber Cancer Research Institute	Role of the Mxi1 Tumor Suppressor in Prostate Cancer In Vivo	\$485,104.00
PC970161	Farach-Carson	Mary	University of Texas at Houston	Osteopontin Ribozymes in Prostate Cancer Cells: Applications to Bony Metastases	\$346,183.00
PC970432	Fujita-Yamaguchi	Yoko	Beckman Research Institute of City of Hope	Novel RNA- or Antibody-Based Strategies Targeting Growth Factors in Prostate Cancer	\$300,000.00
PC970278	Gelmann	Edward	Georgetown University Medical Center	NKX3.1 in Prostate Cancer	\$366,750.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970593	Griffith	Jeffrey	University of New Mexico	Telomere DNA Content: Correlation with Survival in Advanced Prostate Cancer	\$257,329.00
PC970470	Gumerlock	Paul	Regents of the University of California	Protein Interaction with the N-Terminus of the Androgen Receptor	\$411,674.00
PC970542	Ittmann	Michael	Baylor College of Medicine	PTEN, a Tumor Suppressor Gene for Prostate Cancer	\$375,727.00
PC970155	Killary	Ann	M. D. Anderson Cancer Center	Gene Discovery in Prostate Cancer: Functional Identification and Isolation of PAC-1, a Novel Tumor Suppressor Gene within Chromosome 10p	\$237,167.00
PC970273	Loda	Massimo	Beth Israel Deaconess Medical Center	Androgen Regulation of p27 in the Normal Neoplastic Prostate	\$478,002.00
PC970138	Lubahn	Dennis	Curators of the University of Missouri	Do Soy Isoflavones Provide Protection against Prostate Cancer via a Classical Estrogen Receptor-alpha (ER[alpha]) Independent Mechanism?	\$428,336.00
PC970386	Mann	Dean	University of Maryland School of Medicine	Prostate Tumor Antigen Discovery: Development of a Novel Genetic Approach	\$464,587.00
PC970531	Milbrandt	Jeffrey	Washington University	Role of Nkx3.1 Homeodomain Protein in Prostate Carcinogenesis and Differentiation	\$487,500.00
PC970218	Miller	Donald	University of Alabama, Birmingham	Unique G-Rich Oligonucleotides Which Inhibit Growth of Prostatic Carcinoma Cells	\$286,139.00
PC970313	Naylor	Susan	University of Texas	Role of Y Chromosome Loss in Prostate Cancer	\$400,816.70
PC970203	Ostrer	Harry	New York University	Genetic Susceptibility to Prostate Cancer among Ashkenazi Jews	\$481,280.00
PC970326	Prendergast	George	Wistar Institute	Bin1: Apoptosis, and Prostate Cancer	\$491,952.00
PC970546	Rajasekaran	Ayyappan	Regents of the University of California	Identification and Characterization of an Internalization Signal of the Prostate Specific Membrane Antigen	\$393,009.00
PC970570	Reissmann	Peter	University of Cincinnati	Investigation of the Candidate Tumor Suppressor Gene prk in Prostate Cancer	\$375,403.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970466	Salgaller	Michael	Northwest Hospital	Use of Expression Cloning to Identify Novel Antigens Recognized on Human Prostate Tumors to Act as Targets of Cellular Immunotherapy	\$404,063.00
PC970522	Sawyers	Charles	Regents of the University of California	Isolation of Genes Involved in Human Prostate Cancer Progression by Functional Expression Cloning	\$418,133.00
PC970395	Smith	David	Mayo Clinic and Foundation	Genes in FRA16D and FRA7G Mutated in Prostate Cancer	\$401,503.00
PC970601	Squire	Jeremy	Ontario Cancer Institute	Identification of Novel Prognostic Genetic Markers in Prostate Cancer	\$336,213.00
PC970353	Tricoli	James	Fox Chase Cancer Center	CLAR1, A Novel Gene Associated with Prostate Tumor Progression	\$379,973.00
PC970562	Witte	John	Case Western Reserve University	Relation of Genes to Prostate Cancer Occurrence and Aggressiveness	\$373,326.00

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
NEW INVESTIGATOR AWARDS
17 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970526	Ahmed	Mansoor	University of Kentucky	Role of Early Growth Response-1 (Egr-1) Gene in Radiation-Induced Apoptosis of Prostate Cancer Cells	\$229,455.00
PC970240	Baribault	Helene	The Burnham Institute	Functions of Beta- and Gamma-Catenins in Prostate Cancer	\$365,106.00
PC970005	Bolger	Graeme	University of Utah	Cloning of Tumor Suppressor Genes in Prostate Cancer by a Novel Tumor Reversion Method	\$234,375.00
PC970105	Brady-Kalnay	Susann	Case Western Reserve University	PTP(mu) Regulates Cell Adhesion and Signaling in Human Prostate Cancer Cells	\$256,273.00
PC970230	Chai	Karl	University of Central Florida	Signal Transduction Pathway in Maspin-Induced Tumor Suppression of Prostate Cancer	\$267,875.00
PC970286	Dong	Jin-Tang	University of Virginia	Differentially Expressed Genes in Human Prostatic Carcinoma	\$248,398.00
PC970480	Evans	Christopher	Regents of the University of California	Functional Detection of p53 Mutations in Archival Prostate Cancer Tissue	\$136,414.00
PC970579	Jackson	Peter	Stanford University	DNA Replication Initiator Proteins & Genetic Instability: Creating a Mouse Model for Prostate Cancer	\$227,092.00
PC970495	Knudsen	Beatrice	Cornell University Medical Center	Control of Prostate Cancer Cell Growth and Survival by the Extracellular Matrix	\$164,428.00
PC970051	Moskaluk	Christopher	University of Virginia	Identification of Novel Prostate Cancer-Causative Gene Mutations by Representational Difference Analysis of Microdissected Prostate Cancer	\$260,838.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970296	Nelson	Peter	University of Washington	The Single Prostate Cell Transcriptome as a Biological Assay	\$227,159.00
PC970408	Ruppert	John	University of Alabama, Birmingham	Identification of Novel Oncogenes in Carcinoma of the Prostate	\$264,631.00
PC970221	Sellers	William	Dana Farber Cancer Institute	Functional and Clinical Analysis of the PTEN Tumor Suppressor Gene in Prostate Cancer	\$251,987.00
PC970099	Slingerland	Joyce	Sunnybrook Health Sciences Center	The Cell Cycle Inhibitor p27 (Kip1): A Key Mediator of G(1) Arrest by Androgen Ablation and by Vitamin D(3) Analogs?	\$148,179.00
PC970479	Strauss	William	Beth Israel Deaconess Medical Center	An Experimental System to Evaluate LOH in Prostate Cancer	\$325,446.00
PC970233	Strong	Theresa	University of Alabama, Birmingham	Identification and Characterization of Prostate Tumor Antigens	\$241,264.00
PC970163	Zhao	Guang-Quan	Curators of the University of Missouri	The Roles of Bone Morphogenetic Protein Signal Transduction in Prostate Carcinogenesis	\$273,750.00

PREVENTION AND DETECTION

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
IDEA DEVELOPMENT AWARDS
24 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970332	Catalona	William	Washington University	Patient Preferences for Outcomes Associated with Surgical Management of Prostate Cancer	\$174,725.00
PC970441	Clark	Larry	University of Arizona	Chemoprevention Trial of Selenium and Prostate Cancer	\$482,008.00
PC970533	Doukas	David	University of Michigan	Assessing Patient Values towards Prostate Cancer Genetic Screening	\$440,878.00
PC970270	Dumoulin	Charles	GE Research and Development Center	Hand-Held Probe for MR Image-Guided Biopsy and Treatment of Prostate Cancer	\$449,996.00
PC970371	Garra	Brian	University of Vermont	Combining Clinical, Sonographic, and Elastographic Features to Improve the Detection of Prostate Cancer	\$498,382.00
PC970580	Giovannucci	Edward	Harvard School of Public Health	IGF-1, 1,25(OH)[2] Vitamin D, and Prostate Cancer	\$369,365.00
PC970577	Koeffler	Phillip	Cedars-Sinai Medical Center	Identification of Novel Secreted Molecules of Prostate Cancer	\$384,925.00
PC970090	Kung	Hsing-Jien	University of California, Davis	Tyrosine Kinase Display of Prostate Cancer Cells	\$401,634.00
PC970121	Lamartiniere	Coral	University of Alabama, Birmingham	Genistein Programming against Prostate Cancer	\$320,159.00
PC970411	Larson	Steven	Sloan-Kettering Cancer Center	Detection of Prostate Cancer Utilizing Monoclonal Antibody J591 and Intraoperative Beta and Gamma Cameras	\$279,212.00
PC970544	Meltzer	David	University of Chicago	A Micro-Simulation Model of the Benefits and Costs of Prostate Cancer Screening and Treatment	\$402,631.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970417	Murphy	Gerald	Pacific Northwest Hospital Cancer Foundation	The Assessment of Prostate Cells in Semen Using Flow Cytometry, for the Early Detection and Staging of Prostate Cancer	\$348,831.00
PC970409	Muti	Paola	State University of New York	Estrogen Metabolism and Prostate Cancer Risk	\$422,950.00
PC970300	Partin	Alan	Johns Hopkins University	Combined Use of Tissue Morphology, Neural Network Analysis of Chromatin Texture and Clinical Variables to Predict Prostate Cancer Aggressiveness from Biopsy Material	\$373,000.00
PC970599	Paskett	Electra	Wake Forest University	Soy Supplementation and Prostate Cancer Prevention	\$494,588.00
PC970380	Ross	Jeffrey	Albany Medical College	Development of an Assay for Prostate Cancer Based on Methylation Status of Glutathione S-Transferase-(Pie)	\$184,415.00
PC970122	Sporn	Michael	Trustees of Dartmouth College	Triterpenoids and Prevention of Prostate Cancer	\$455,159.00
PC970263	Steiner	Mitchell	University of Tennessee at Memphis	Role of TGF (Beta) 1 in the Prevention of Prostate Cancer	\$357,698.00
PC970433	Strom	Sara	M. D. Anderson Cancer Center	A Molecular Epidemiologic Case-Case Study of Prostate Cancer Susceptibility	\$436,567.00
PC970288	Wahl	Richard	University of Michigan	Preclinical and Clinical Evaluation of Novel Agents for Noninvasive Imaging of Prostate Cancer	\$412,410.00
PC970461	Wang	Zhou	Northwestern University	Nutritional Effect on Androgen-Response Gene Expression and Prostate Tumor Growth	\$438,729.00
PC970492	Waters	David	Purdue Research Foundation	In Vivo Testing of Chemopreventative Agents Using the Dog Model of Spontaneous Prostate Carcinogenesis	\$448,199.00
PC970525	Wilding	George	University of Wisconsin	Prevention of Prostate Cancer through Understanding Androgen-Induced Oxidative Stress	\$434,487.00
PC970575	Zetter	Bruce	Children's Hospital Corp.	Potential Prognostic Markers for Human Prostate Cancer	\$490,412.00

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
NEW INVESTIGATOR AWARDS
3 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970376	Bowie	Janice	Johns Hopkins University	Role of African American Churches in Prostate Cancer Prevention	\$299,888.00
PC970430	Brooks	James	Stanford University	Prostate Cancer Prevention through Induction of Phase 2 Enzymes	\$159,541.00
PC970253	Wang	Bingcheng	Case Western Reserve University	Eph Kinases as Inhibitors of Cell Migration and Targets to Prevent Prostate Cancer Metastasis	\$207,338.00

**SPECIAL POPULATIONS AND
BEHAVIORAL PATTERNS**

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
IDEA DEVELOPMENT AWARDS
7 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970008	Bastani	Roshan	Regents of the University of California	A Study of Black and White Men with a Family History of Prostate Cancer	\$387,475.00
PC970452	Bunker	Clareann	University of Pittsburgh	Tobago Prostate Survey: Prostate Cancer Risk in a Large Population-Based Study of Men of African Descent	\$432,508.00
PC970447	Chrischilles	Elizabeth	University of Iowa	Unbiased Outcome Estimates for Conservative vs. Aggressive Treatment of Early Stage Prostate Cancer from Retrospective Data: An Instrumental Variables Approach	\$370,583.00
PC970406	Cote	Richard	University of Southern California	Identification of Cellular and Molecular Markers of Prostate Cancer Progression in Racial-Ethnic Minorities	\$381,080.00
PC970335	Isaacs	William	Johns Hopkins University	Collection of Prostate Cancer Families and Mapping Additional Hereditary Prostate Cancer Genes (HPC2, HPC3,...)	\$397,722.00
PC970454	Kash	Kathryn	Strang Cancer Prevention Center	Behavioral Aspects of Familial Risk for Prostate Cancer	\$519,384.00
PC970595	Myers	Ronald	Thomas Jefferson University	Value-Based Decision-Making in Prostate Cancer Early Detection	\$493,386.00

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
NEW INVESTIGATOR AWARDS
3 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970185	Ford	Marvella	Henry Ford Health Sciences Center	African American Men in the PLCO Trial: Developing and Testing Methods to Increase Retention	\$265,214.00
PC970214	Lipkus	Isaac	Duke University Medical Center	The Effects of Supportive and Nonsupportive Behaviors on the Quality of Life of Prostate Cancer Patients and Their Spouses	\$250,180.00
PC970477	Wright	Steven	Veterans Administration Medical Center	Risk Factors for Prostate Cancer in African American Veterans	\$219,438.00

**THERAPEUTICS AND DECREASED
MORBIDITY**

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
IDEA DEVELOPMENT AWARDS
36 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970244	Agarwal	Rajesh	AMC Cancer Research Center	Intervention of Prostate Cancer by a Flavonoid Antioxidant Silymarin	\$386,187.00
PC970571	Armour	Elwood	William Beaumont Hospital	Nitric Oxide Gene Therapy for Prostate Cancer	\$389,869.00
PC970110	Bailey	Howard	University of Wisconsin Hospital & Clinics	Daily 1(alpha)-OH-D(2) in Hormone Refractory Prostate Cancer Assessment of Clinical and Biochemical Effects	\$386,410.00
PC970515	Belldegrun	Arie	Regents of the University of California	Prostate-Specific Gene Therapy Using a 'Gutless' Adeno-Vector Expressing Antisense TGF-(beta) and PSA Promoter-Controlled TNF-(alpha) Gene	\$457,476.00
PC970568	Borrelli	Michael	William Beaumont Hospital	Heat-Activated Gene Therapy	\$414,261.00
PC970274	Bredesen	Dale	The Burnham Institute	Novel Synthetic Hunter-Killer Peptides Target and Destroy Prostate Cancer	\$449,809.00
PC970206	Coleman	C. Norman	Dana Farber Cancer Institute	Enhancing the Effect of Radiation Therapy Using Non-Steroidal Anti-Inflammatory Agents	\$481,810.00
PC970360	Collins	Delwood	University of Kentucky	Diphenylureas for Treatment of Prostate Cancer	\$346,425.00
PC970029	Eshhar	Zelig	Weizmann Institute of Science	New Strategy for the Redirection of Cytolytic T Lymphocytes to Prostate Tumors	\$300,000.00
PC970175	Essigmann	John	Massachusetts Institute of Technology	Programmable Genotoxins Targeted against Prostate Cancers	\$510,789.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970439	Gilboa	Eli	Duke University Medical Center	Immunotherapy of Metastatic Prostate Cancer Using Dendritic Cells Pulsed with Normal Prostate Tissue Antigens	\$473,210.00
PC970333	Isaacs	John	Johns Hopkins University	Prodrug Targeting Based Upon the NAALADase Activity of Prostate Specific Membrane Antigen by Prostate Cancer Cells	\$506,250.00
PC970308	Justus	Brian	Naval Research Laboratory	In Vivo, Fiberoptic-Coupled Radiation Dose Verification System for Prostate Radiotherapy	\$312,500.00
PC970499	Kao	Chinghai	University of Virginia	Osteocalcin Promoter-Mediated Expression of the Therapeutic Genes in Localized and Metastatic Human Prostate Cancer	\$457,987.00
PC970131	Kast	W. Martin	Loyola University Chicago	Prostate Cancer Immunotherapy Development in Prostate Specific Antigen Transgenic Mice	\$477,434.00
PC970414	Lazo	John	University of Pittsburgh	Combinatorial Approach for Novel Phosphatase Inhibitors	\$99,537.00
PC970536	Lokeshwar	Balakrishna	University of Miami	An Innovative Strategy for the Prevention and Treatment of Metastatic Prostate Cancer: Modified Tetracyclines as Chemotherapeutics	\$468,272.00
PC970140	Martuza	Robert	Georgetown University Medical Center	Herpes Virus Therapy of Prostate Cancer	\$392,078.00
PC970549	Myers	Charles	University of Virginia	Mitochondrial Apoptosis: A New Foundation for Combining Agents in Prostate Cancer Treatment	\$282,780.00
PC970072	Pang	Shen	Regents of the University of California, Los Angeles Dental Research Institute	Gene Delivery for Metastatic Prostate Cells	\$462,386.00
PC970437	Peace	David	University of Illinois at Chicago	Induction of Prostate-Specific T Lymphocytes for Autoimmune Therapy of Human Prostate Cancer	\$340,570.00
PC970087	Pollack	Alan	M. D. Anderson Cancer Center	The Molecular Mechanism of the Supra-Additive Apoptotic Response of Prostate Cancer to Androgen Ablation and Radiotherapy	\$402,992.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970002	Porter	Carl	Health Research, Inc.	Exploiting Novel Polyamine Regulatory Responses to a Therapeutic Advantage in Human Prostatic Carcinoma: A Preclinical Study	\$462,219.00
PC970530	Purdy	James	American College of Radiology	Conformal Radiation by Brachytherapy in Prostate Cancer: the Establishment of an RTOG 3-D Dose Evaluation Center for Multi-Institutional Studies	\$356,153.00
PC970196	Ratliff	Timothy	University of Iowa	Identification of Prostate Specific Antigens for Immunotherapy Vaccines	\$450,710.00
PC970565	Roos	Bernard	University of Miami	Adjuvant Action of Hepatocyte Growth Factor in Vitamin D Therapy of Androgen-Unresponsive Prostate Cancer	\$335,024.00
PC970588	Simon	Sanford	State University of New York at Stonybrook	Inhibition of Prostate Tumor Cell Invasiveness by Chemically Modified Tetracyclines with Broad Spectrum Antiproteinase Activity	\$312,362.00
PC970344	Simons	Jonathan	Johns Hopkins University	Oncolytic Gene Therapy for Prostate Cancer	\$506,748.00
PC970528	Thompson	Erik	St. Vincent's Institute of Medical Research	Molecular Staging of Prostate-Bone Metastasis	\$335,657.00
PC970578	Trump	Donald	University of Pittsburgh	Modulation of Paclitaxel Antitumor Effects by Calcitriol: Preclinical and Clinical Studies of Mechanisms, Toxicity and Efficacy in Prostate Cancer	\$435,653.00
PC970229	Vallabhajosula	Shankar	Cornell University Medical Center	Targeted Radioimmunotherapy of Prostate Cancer Using Monoclonal Antibodies to the Extracellular Domain of Prostate-Specific Membrane Antigen (PSMA)	\$520,474.00
PC970166	Vitetta	Ellen	University of Texas, SW Med. Ctr.	The Generation and Preclinical Evaluation of Homodimeric Anti-Her-2 Antibodies	\$372,740.00
PC970372	Weichselbaum	Ralph	University of Chicago	Radiation and Angiostatin Target the Tumor Vasculature: A New Paradigm for Prostate Cancer Treatment	\$340,822.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970512	Wilbur	D. Scott	University of Washington	Pretargeting of Astatine-211 for Therapy of Metastatic Prostate Cancer	\$385,903.00
PC970475	Winkler	Jeffrey	University of Pennsylvania	Design and Synthesis of New Prostate Cancer Chemotherapeutic Agents	\$375,942.00
PC970197	Yang	Li-Xi	California Pacific Medical Center Research Institute	Chemotherapy of Taxol-Resistant Human Prostate Cancers with Novel Taxol Analogs	\$443,887.00

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
NEW INVESTIGATOR AWARDS
8 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
PC970493	Bernhard	Eric	University of Pennsylvania	Radiosensitization of Prostate Tumor Cells by Prenyltransferase Inhibitors	\$293,653.00
PC970501	Hu	Longqin	University of Oklahoma, Oklahoma City	A Novel Approach to Prostate Cancer Chemotherapy: Design of Prodrugs for Tissue-Specific Activation	\$261,359.00
PC970201	Jaffray	David	William Beaumont Hospital	An On-Line Tomographic Guidance System for Dose Escalation in Radiotherapy for Adenocarcinoma of the Prostate	\$270,805.00
PC970462	McBain	John	Dartmouth College	Butyrate-Induced Apoptosis in Prostate Cancer Cell Lines	\$179,380.00
PC970023	McConkey	David	M. D. Anderson Cancer Center	Overcoming Drug Resistance in Androgen-Independent Prostate Cancer	\$249,974.00
PC970496	Takeshita	Kenichi	New York University	Retinoic Acid Receptors in Metastatic Prostate Cancer	\$309,376.00
PC970086	Wilding	George	University of Wisconsin	Development of Novel Telomerase Inhibitors	\$261,379.00
PC970321	Young	John	Harvard Medical School	A Novel Strategy for Targeting Therapeutic Retroviral Vectors Specifically to Prostate Cancer Cells	\$245,619.00

MINORITY POPULATION
FOCUSED TRAINING AWARDS

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
MINORITY POPULATION FOCUSED TRAINING AWARDS
17 AWARDS

Log No.	Principal Investigator Name		Institution	Proposal Title	Research Area	Award Amount
MP980013	Abdel-Mageed	Asim	Tulane University	Antisense Down-Regulation of Metallothionein: A Therapeutic Approach for Prostate Cancer	Cell Biology or Molecular Biology	\$49,721.00
MP980004	Ashtorab	Hassan	Howard University (HBCU)	Regulation of Cell Cyclin Dependent Kinase Inhibitors in the Prostate Cell by RRR-Alpha-Tocopheryl Succinate	Cell Biology or Molecular Biology	\$49,435.00
MP980011	Baker	William	Regents of the University of California, Davis	Racial Differences in Prostate Cancer Molecular Biology: An Evaluation of Tumor Suppressor Genes BCL2, p53 and RB in Black and White Africans	Cell Biology or Molecular Biology	\$49,477.00
MP980003	Banerjee	Mousumi	Wayne State University	Modeling Differential Rates of Increase of Serial PSA in African Americans and Caucasians following Radical Prostatectomy	Treatment Outcomes	\$49,149.00
MP980002	Boehmer	Ulrike	Boston University	The Role of African American and Caucasian Wives in Prostate Cancer Screening Decisions	Access to Care	\$48,395.00
MP980017	Bowie	Janice	Johns Hopkins University	Assessment of Spirituality as a Function of Quality of Life in Prostate Cancer Patients	Treatment Outcomes	\$41,035.00
MP980009	Caulfield	Henry	Fisk University (HBCU)	A Simple, Non-Embarrassing Blood Test for Prostate and Other Cancers	Cell Biology or Molecular Biology	\$46,084.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Research Area	Award Amount
MP980012	Demissie	Kitaw	UMDNJ RWJ Medical School	Comparison of Efficacy and Frequency of Screening and Selected Treatment Modalities for Prostate Cancer in African American and White Men	Treatment Outcomes	\$50,000.00
MP980014	Franklin	John	Columbia University	Race/Ethnic Based Genetic Variations in Human Genes: Defining the Genetic Evidence for Disparity of Prostate Cancer Risk and Mortality between Different Populations	Cell Biology or Molecular Biology	\$44,341.00
MP980008	Godley	Paul	University of North Carolina, Chapel Hill	Prostate Cancer Screening Efficacy in African Americans Using Case-Control Methodology	Treatment Outcomes	\$49,470.00
MP980015	Gwebu	Ephraim	Oakwood College (HBCU)	Determining Prostate Cancer and Lifestyle Practices among African American SDA and Non-SDA Men	Epidemiology	\$45,656.00
MP980010	Hoke	Gerald	Columbia University	Comorbidities and Health Outcomes of African-American Men with Prostate Cancer: Analysis of Outpatient Claims and Hospital Discharge Data	Treatment Outcomes	\$49,113.00
MP980016	Klassen	Ann	Johns Hopkins University	Development of Prostate Cancer Survey Measures for African American Urban Men	Access to Care	\$49,996.00
MP980001	Nelson	Joel	Johns Hopkins University	Amplification of the Endothelin A Receptor Gene: A Potential Molecular Biomarker of Aggressive Prostate Cancer in African Americans	Cell Biology or Molecular Biology	\$49,279.00
MP980006	Stephens	Torrance	Emory University	Fruit and Vegetable Intake and Prostate Cancer Outcomes among African American Men	Epidemiology	\$34,284.00

Log No.	Principal Investigator Name		Institution	Proposal Title	Research Area	Award Amount
MP980007	Te	Alexis	Columbia University – Presbyterian Medical Center	Prostate Specific Antigen Density of the Transition Zone in Ethnically Diverse Men	Cell Biology or Molecular Biology	\$49,516.00
MP980005	Williams	Myron	Clark Atlanta University (HBCU)	Development of Methods to Isolate Recombinant Antibodies against Prostate Cancer Antigens	Cell Biology or Molecular Biology	\$49,995.00

TRI-SERVICE PROJECT

DEPARTMENT OF DEFENSE
97/98 PROSTATE CANCER RESEARCH
PROGRAM AWARD LIST
TRI-SERVICE PROJECT
1 AWARD

Log No.	Principal Investigator Name		Institution	Proposal Title	Award Amount
TS980001	Dawson	Nancy	Henry M. Jackson Foundation for the Advancement of Military Medicine	A Uniformed Services Comprehensive Database and Tissue Repository for the Study of Epidemiological Detection, Natural History and New Management Strategies for Prostate Cancer	\$108,113.00

GLOSSARY OF TERMS

GLOSSARY OF TERMS

ACRONYMS

HBCU: Historically Black College/University

MI: Minority Institution

AWARD MECHANISMS

Idea Development Awards:

The intent of the Idea Development Award category is to support innovative scientific approaches to prostate cancer research that although untested may reveal breakthroughs or new avenues of investigation.

Minority Population Focused Training Awards:

The intent of the Minority Population Focused Training Award category is to enable investigators to develop a prostate cancer research concept that focuses on the higher rate of prostate cancer incidence and mortality for African-American men compared to men of other ethnic groups. One of the goals of these awards is to establish collaborations between applicant investigators and established investigators. This award is intended to provide concept development support for researchers with minimal or no other funding. Such awards will provide investigators the opportunity to collaborate, train, and acquire the experience and resources needed to design a fundable plan for prostate cancer research

New Investigator Awards:

The intent of the New Investigator Award category is to support innovative scientific approaches to prostate cancer research that may be untested but that are expected to reveal breakthroughs or new avenues of investigation.

**FY 97/98 PROSTATE CANCER
RESEARCH PROGRAM PEER
REVIEW PARTICIPANTS**

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**FY 97/98 PROSTATE CANCER
RESEARCH PROGRAM
PROGRAMMATIC REVIEW
PARTICIPANTS**

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Robert Bookstein	M.D.	CANJI, Inc. Discipline: Genetics
Commander Otis Brawley		National Cancer Institute Discipline: Medical Oncology
Clayton Chong	M.D.	St. Francis Medical Center, University of Hawaii
Leland Chung	Ph.D.	University of Virginia Health Sciences Center Discipline: Cell Biology/Molecular Biology
Donald Coffey	Ph.D.	The Johns Hopkins Hospital Discipline: Urology/Oncology/Pharmacology and Molecular Science
Ralph DeVere White	M.D.	Regents of the University of California Davis Medical Center Discipline: Molecular Biology
James Hampton	M.D., F.A.C.P.	Troy and Dollie Smith Cancer Center University of Oklahoma Discipline: Hematology/Oncology
Lieutenant Colonel Harry Harris (Ret.)		Discipline: Consumer
Ronald Morton, Jr.	M.D.	Baylor College of Medicine Discipline: Urology
Carl Olsson	M.D.	The Dana W. Atchley Pavilion Discipline: Molecular Biology/Cell Biology
Sandra Millon Underwood	Ph.D.	School of Nursing University of Wisconsin – Milwaukee Discipline: Nursing/Quality of Life
Nicolas Vogelzang	M.D.	University of Chicago Discipline: Hematology and Oncology/Experimental Therapeutics
Andrew von Eschenbach	M.D.	University of Texas MD Anderson Cancer Center Discipline: Urology/Cell Biology
COL James Williams (Ret.)		US TOO International Inc. Pennsylvania State University Milton S. Hershey Medical Center Discipline: Consumer

AD HOC INTEGRATION PANEL MEMBERS

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Reginald Ho	M.D.	Staub Clinic and Hospital Discipline: Medical Oncology
Stuart Holden	M.D.	CapCure Discipline: Urology
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F.K. Mostofi	M.D.	Armed Forces Institute of Pathology
James Mulé	Ph.D.	University of Michigan Medical Center Discipline: Molecular Biology/Immunology
Robert Samuels		National Prostate Cancer Coalition Discipline: Consumer
Linda Yoder	Ph.D.	Brooke Army Medical Center Discipline: Quality of Life/Oncology Clinical Nurse Specialist