



*Department of Defense*

*Ovarian Cancer  
Research Program*

*2000 Awards Book  
September 2001*

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 is pleased to present the award list of funded projects for the fiscal year 2000 (FY00) Ovarian Cancer Research Program. Award negotiations were completed on September 30, 2001. The awards listed in this document were selected by a competitive two-tiered review process. Funding decisions were based upon scientific excellence evaluated in the first tier of review, followed by programmatic relevance judged in the second tier. These projects represent a diverse portfolio of scientific research in four program emphasis areas: (1) etiology, (2) early detection/diagnosis, (3) preclinical therapeutics, and (4) quality of life.

Congressional direction for FY00 specified \$12 million for ovarian cancer research. Following the receipt of funds, a programmatic strategy was developed, proposals were solicited and evaluated, awards were selected, and contract negotiations were completed. The FY00 programmatic strategy called for Ovarian Cancer New Investigator Awards and Program Project Awards. Ovarian Cancer New Investigator Awards were targeted to investigators in the early phases of their careers and to investigators established in other fields who desired to move into ovarian cancer research. Program Project Awards were designed to enhance ovarian cancer research infrastructure through the establishment of new multidisciplinary programs in the field. FY00 funds are supporting 10 Ovarian Cancer New Investigator Awards, 3 Program Project Awards, and 1 Investigator-Initiated Research Project Award that was submitted as part of a Program Project Award.

As the funded investigators embark on these projects, the Department of Defense and the U.S. Army gratefully acknowledge the participation of their scientist, clinical, and consumer advisors. The expertise, vision, and diversity of perspectives of all individuals who contributed to this program were vital to developing a sound investment strategy on behalf of all persons affected by ovarian cancer. It is with great anticipation and excitement that we await the outcomes of this research.

***FY00 Ovarian Cancer Research Program***

***FUNDED AWARDS***

**FY00 Ovarian Cancer Research Program**  
**Ovarian Cancer New Investigator Awards**

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
OC000063	Avis	Nancy	Wake Forest University School of Medicine	A Treatment Stage Specific Approach to Improving Quality of Life for Women with Ovarian Cancer	\$429,993
OC000067	Bai	Wenlong	South Florida, University of	Role of Vitamin D and Its Receptors in Ovarian Cancer Formation and Treatment	\$431,923
OC000061	Broccoli	Dominique	Fox Chase Cancer Center	Teleomerase-Independent Telomere Maintenance in Ovarian Cancer: A Molecular Genetic Analysis	\$507,851
OC000105	Cho	Kathleen	Michigan, University of	Oncogene Activation in Ovarian Carcinoma Pathogenesis	\$362,400
OC000036	Klostergaard	Jim	M.D. Anderson Cancer Center, University of Texas	New Agents for Taxol-Resistant Ovarian Carcinoma	\$450,000
OC000070	Lancaster	Wayne	Wayne State University	Analysis of Differentially Expressed Genes in a Human Ovarian Cancer Model	\$447,000
OC000018	Nelson	Brad	Virginia Mason Research Center	Eliciting Autoimmunity to Ovarian Tumors in Mice by Genetic Disruption of T Cell Tolerance Mechanisms	\$566,304
OC000056	Paull	Tanya	Texas, University of, Austin	Towards an Understanding of the Molecular Basis of Ovarian Cancer: Biochemical Characterization of Brac1 and Associated DNA Repair Factors	\$429,263
OC000088	Zakowski	Sandra	Chicago Medical School	Improving Quality of Life in Ovarian Cancer Patients: A Brief Intervention for Patients and Their Partners	\$376,805
OC000020	Zhang	Jianhua	Cincinnati, University of	The Roles of DNA Fragmentation Factor 45 in Ovarian Cancer	\$459,000

**FY00 Ovarian Cancer Research Program**  
**Program Project Awards**

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
OC000109	Bowtell	David	Peter MacCallum Cancer Institute	Molecular Epidemiology of Ovarian Cancer	\$2,000,000
OC000112	Meier	Kathryn	South Carolina, Medical University of	Lysophosphatidic Acid in Ovarian Cancer	\$1,015,563
OC000113	Williams	Stephen	Indiana University, Indianapolis	DNA Repair and Cell Cycle Therapeutic Targets for Ovarian Cancer	\$1,999,004

**Investigator-Initiated Research Project Award**

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
OC000111	Meruelo	Daniel	New York University School of Medicine	Development and Novel Uses of Antibodies in Epithelial Ovarian Cancer	\$509,088

***FY00 Ovarian Cancer Research Program  
Participants***

## FY00 Ovarian Cancer Research Program Peer Reviewers

Peer Reviewer	Degree	Institution/Affiliation
Artemov, Dmitri	Ph.D.	Department of Radiology, Division of Magnetic Resonance Research, The Johns Hopkins University School of Medicine
Atwood, Jan R.	Ph.D., M.P.H., R.N., F.A.A.N.	University of Nebraska Medical Center
Bachur, Nicholas R.	M.D., Ph.D.	Department of Medicine, University of Maryland Cancer Center
Bandera, Christina A.	M.D.	Department of Obstetrics and Gynecology, University of Pennsylvania School of Medicine
Beattie, Craig W.	Ph.D.	Department of Veterinary Medicine, University of Nevada, Reno
Boothman, David A.	Ph.D.	Department of Radiation Oncology, Case Western Reserve University
Boyd, Jeffrey A.	Ph.D.	Departments of Surgery and Human Genetics, Memorial Sloan-Kettering Cancer Center
Brown, Anthony M.C.	Ph.D.	Strang Cancer Research Laboratory, Weill Medical College of Cornell University
Buller, Richard	M.D., Ph.D.	Department of Obstetrics and Gynecology, University of Iowa Hospitals and Clinics
Chen, Thomas T.	Ph.D.	Department of Molecular and Cell Biology, University of Connecticut, Biotechnology Center
Clevenger, Charles	M.D., Ph.D.	Department of Pathology, University of Pennsylvania Medical School
Cooney, Kathleen A.	M.D.	Departments of Internal Medicine and Surgery, University of Michigan Medical School
De Geest, Koen	M.D.	Department of Obstetrics and Gynecology, Rush Medical College
Dutta, Anindya	M.D., Ph.D.	Department of Pathology, Brigham and Women's Hospital, Harvard Medical School
El-Ashry, Dorraya	Ph.D.	Department of Oncology, Georgetown University Lombardi Cancer Center
Gabrielson, Edward W.	M.D.	Department of Pathology, Johns Hopkins Oncology Center
Garrard, William T.	Ph.D.	Department of Molecular Biology and Oncology, University of Texas Southwestern Medical Center
Goldman, Patricia A.		Ovarian Cancer National Alliance
Gonzalez, Irene	Ph.D.	Executive Secretary
Goodman, Marc T.	Ph.D., M.P.H.	Cancer Research Center of Hawaii, University of Hawaii at Manoa
Groden, Joanna L.	Ph.D.	Department of Molecular Genetics Biochemistry Microbiology, University of Cincinnati, Howard Hughes Medical Institute
Haut, Michael J.	M.D.	Department of Clinical Medicine, Pennsylvania Hospital
Hellstrom, Ingegerd E.	M.D., Ph.D.	Department of Pathology, University of Washington



<b>Peer Reviewer</b>	<b>Degree</b>	<b>Institution/Affiliation</b>
Ho, Shuk-Mei	Ph.D.	Department of Surgery, Division of Urology, University of Massachusetts Medical School
Holmberg, Augusta Dawn		National Ovarian Cancer Coalition
Horowitz, Ira	M.D.	Department of Obstetrics and Gynecology, Emory University Hospital
Hughes, Chanita Ann	Ph.D.	Georgetown University Medical Center
Jacobberger, James W.	Ph.D.	Cancer Research Center, Case Western Reserve University
Jeng, Meei-Huey	Ph.D.	Department of Medicine, Hematology/Oncology, Indiana University
Kane, Madeleine A.	M.D., Ph.D.	Department of Medicine and Medical Oncology, University of Colorado Health Science Center
Kasl, Stanislav V.	Ph.D.	Department of Epidemiology and Public Health, Yale University School of Medicine
Kennedy, Andrew	M.D.	Department of Radiation Oncology, University of Maryland
Kern, Francis G.	Ph.D.	Department of Biochemistry and Molecular Biology, Southern Research Institute
Knepper, Janice E.	Ph.D.	Department of Biology, Villanova University
Kormanik, Carol A.		Minnesota Ovarian Cancer Alliance
Krupinski, Elizabeth A.	Ph.D.	Department of Radiology Research, University of Arizona
Lau, Ching C.	M.D., Ph.D.	Department of Pediatrics (Division of Hematology and Oncology), Texas Children's Hospital
Lim, Violet		Pacific Ovarian Cancer Research Consortium
Lingrel, Jerry B.	Ph.D.	Department of Molecular Genetics, University of Cincinnati College of Medicine
Long, Harry J.	M.D.	Department of Oncology, Mayo Clinic
Look, Katherine Y.	M.D.	Indiana University School of Medicine
Lum, Clark K.	Ph.D.	Executive Secretary
Maihle, Nita J.	Ph.D.	Department of Biochemistry and Molecular Biology, Mayo Clinic and Foundation
Manfredi, James J.	Ph.D.	Ruttenberg Cancer Center, Mount Sinai Medical Center
Mills, Gordon Brent	M.D., Ph.D.	Department of Molecular Therapeutics, University of Texas M.D. Anderson Cancer Center
Monteiro, Alvaro	Ph.D.	Strang Cancer Research Laboratory, Weill Medical College of Cornell University
Mulhern, Sally A.	Ph.D.	Executive Secretary
Nishimura, Michael	Ph.D.	Department of Surgery, University of Chicago Medical Center

<b>Peer Reviewer</b>	<b>Degree</b>	<b>Institution/Affiliation</b>
Noguchi, Constance T.	Ph.D.	Laboratory of Chemical Biology, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health
O'Tuama, Lorcan A.	M.D.	Department of Radiology, Brown University Medical School
Ove, Peter	Ph.D.	Executive Secretary
Patrick, Sean J.		Ovarian Cancer National Alliance
Patriotis, Christos	Ph.D.	Department of Medical Oncology, Fox Chase Cancer Center
Penn, Linda Z.	Ph.D.	Department of Cellular and Molecular Biology, Ontario Cancer Institute
Pieretti, Maura	Ph.D.	Department of Pathology, University of South Alabama
Porto-Huber, Mary L.		National Ovarian Cancer Coalition
Rakowicz-Szulczynska, Eva M.	Ph.D., D.M.S.	VIVO Tech LLC
Ramakrishnan, Sundarham	Ph.D.	Department of Pharmacology and Obstetrics/Gynecology, University of Minnesota
Reiser, Betty		Ovarian Cancer National Alliance
Reynolds, R. Kevin	M.D.	Department of Obstetrics and Gynecology, University of Michigan
Schmitt, Mark E.	Ph.D.	Department of Biochemistry and Molecular Biology, State University of New York, Upstate Medical University
Schorge, John O.	M.D.	Division of Gynecologic Oncology, University of Texas Southwestern Medical Center
Senie, Ruby T.	Ph.D.	Division of Sociomedical Sciences, Columbia School of Public Health
Shabb, John Blaine	Ph.D.	Department of Biochemistry and Molecular Biology, University of North Dakota School of Medicine
Shi, YuFang	D.V.M., Ph.D.	Department of Immunology, American Red Cross
Solonche, Martha N.		SHARE: Self-Help for Women with Breast or Ovarian Cancer
Stamenkovic, Ivan	M.D.	Department of Pathology, Massachusetts General Hospital
Tait, David Loren	M.D.	Department of Obstetrics/Gynecology, East Carolina University School of Medicine
Tonin, Patricia N.	Ph.D.	Department of Medicine and Human Genetics, McGill University
Umbreit, Jay N.	M.D., Ph.D.	Division of Hematology/Oncology, University of South Alabama
VandeVoort, Catherine A.	Ph.D.	California Regional Primate Research Center, University of California, Davis
Weber, George	M.D.	Department of Experimental Oncology, Indiana University School of Medicine
Werness, Bruce A.	M.D.	Department of Pathology, Inova Fair Oaks Hospital

<b>Peer Reviewer</b>	<b>Degree</b>	<b>Institution/Affiliation</b>
Wilson, Donella J.	Ph.D.	Department of Research, American Cancer Society
Wojnarowska, Barbara A.	Ph.D.	Department of Radiation Oncology, University of Texas Health Science Center
Xu, Yan	Ph.D.	Department of Cancer Biology, Cleveland Clinic Foundation
Yang, Yu-Chung	Ph.D.	Department of Pharmacology, Case Western Reserve University
Zander, Dani S.	M.D.	Department of Pathology/Immunology/Laboratory Medicine, University of Florida College of Medicine
Zanjani, Esmail D.	Ph.D.	Veterans Affairs Medical Center

## FY00 Ovarian Cancer Research Program Integration Panel (IP) Members

IP Member	Degree	Institution/Affiliation
Birrer, Michael (Chair)	M.D., Ph.D.	Department of Cell and Cancer Biology, National Cancer Institute, National Institutes of Health
Gallion, Holly	M.D.	Department of Obstetrics and Gynecology, University of Kentucky Medical Center
Gershenson, David	M.D.	Department of Gynecologic Oncology, University of Texas M.D. Anderson Cancer Center
Hamilton, Thomas	Ph.D.	Department of Medical Oncology, Fox Chase Cancer Center
Hernandez, Enrique	M.D.	Division of Gynecologic Oncology, Temple University School of Medicine
Hoskins, William (Chair-Elect)	M.D.	Gynecology Service, Memorial Sloan-Kettering Cancer Center
Hricak, Hedvig	M.D., Ph.D.	Department of Radiology, Memorial Sloan-Kettering Cancer Center
Karlan, Beth (Executive Committee Member)	M.D.	Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, Cedars-Sinai Medical Center
Kaur, Judith (Chair-Emeritus)	M.D.	Medical Oncology Department, Mayo Clinic
Kolker, Ann (Executive Committee Member)	J.D.	Ovarian Cancer National Alliance
Kurman, Robert	M.D.	Department of Pathology, The Johns Hopkins Hospital
Markman, Maurie	M.D.	Department of Hematology/Medical Oncology, The Cleveland Clinic Foundation
Melancon, Cindy	R.N., M.N.	Conversations: The International Ovarian Cancer Connection
Padilla, Geraldine	Ph.D.	Cancer Control, American Cancer Society
Reed, Eddie	M.D.	Medical Ovarian Cancer Section, Medical Branch, Division of Clinical Sciences, National Cancer Institute
Risch, Harvey	M.D., Ph.D.	Department of Epidemiology and Public Health, Yale University School of Medicine
Robinson, Elwood	Ph.D.	Department of Psychology, North Carolina Central University
Scroggins, Mary	M.A.	Ovarian Cancer National Alliance
Steller, Michael	M.D.	Department of Obstetrics and Gynecology, Brown University
Young, Robert	M.D.	Fox Chase Cancer Center

## FY00 Ovarian Cancer Research Program Ad Hoc Programmatic Reviewers

Ad Hoc Reviewer	Degree	Institution/Affiliation
Alvarez, Ronald	M.D.	Division of Gynecological Oncology, University of Alabama at Birmingham
Bell, Debra	M.D.	Department of Pathology, Massachusetts General Hospital

***GLOSSARY OF TERMS***

## Glossary of Terms

***Investigator-Initiated Research Project Award:*** As stated in the FY00 OCRP Program Announcement, a research project(s) from a Program Project Award submission (i.e., an Investigator-Initiated Research Project) could be recommended for funding independent from the Program Project Award as a whole. The intent of this award mechanism is to sponsor research that will provide insight into the ovarian cancer research field.

***Ovarian Cancer New Investigator Award:*** The intent of this award mechanism is to prepare new, independent investigators (Assistant Professor or equivalent with no more than 6 years of experience in the field of ovarian cancer) for careers in ovarian cancer and to attract more senior investigators new to the ovarian cancer research field. Preliminary or pilot data were required. Proposals submitted to this award mechanism addressed one or more program emphasis areas (i.e., etiology, early detection/diagnosis, preclinical therapeutics, and/or quality of life) as related to epithelial ovarian carcinoma and/or primary peritoneal carcinoma.

***Program Project Award:*** This award mechanism is designed to enhance ovarian cancer research infrastructure through the establishment of new multidisciplinary programs in the field. Program Project Award proposals were required to be innovative, multidisciplinary, synergistic, and integrated around one or more program emphasis areas (i.e., etiology, early detection/diagnosis, preclinical therapeutics, and/or quality of life) as related to epithelial ovarian carcinoma and/or primary peritoneal carcinoma. These proposals contained a minimum of two and a maximum of four Research Projects and a minimum of one and a maximum of two Core Facilities supporting the proposed work.