



Department of Defense

*Ovarian 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 is pleased to present the award list of funded projects for the fiscal year 1999 (FY99) Ovarian 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 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) prevention, (3) diagnosis, and (4) quality of life.

Congressional direction for FY99 specified \$10 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 FY99 programmatic strategy called for New Investigator Awards (NIAs) and Idea Awards. NIAs 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. Idea Awards were designed to encourage innovative approaches to ovarian cancer research. Six NIAs and 12 Idea Awards were made.

As the funded scientists embark on these projects, the DOD and the U.S. Army gratefully acknowledge the participation of their scientific advisors, ovarian cancer survivors, and the ovarian cancer advocacy community. 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 living with ovarian cancer. It is with great anticipation and excitement that we await the outcomes of this research.

FY99 Ovarian Cancer Research Program

FUNDED AWARDS

FY99 Ovarian Cancer Research Program

Idea Awards

Log Number	Principal Investigator		Institution	Award Amount	Proposal Title
	Last Name	First Name			
OC990060	Adashi	Eli	Utah, University of	\$445,450	Role Of Mammalian Homologs of the <i>Drosophila</i> Discs Large 1 (<i>dlg1</i>) Gene in the Genesis of Epithelial Ovarian Cancer
OC990047	Cannon	Martin	Arkansas, University of	\$431,916	CD8(+) Cytotoxic T Cell Responses to Novel Ovarian Cancer Antigens
OC990156	Daly	Mary	Fox Chase Cancer Center	\$490,753	Quality of Life After Prophylactic Oophorectomy
OC990033	Gong	Jianlin	Dana-Farber Cancer Institute	\$514,500	Development of a Novel Vaccine with Fusions of Dendritic and Ovarian Cancer Cells from Patients
OC990129	Huang	Shuang	Scripps Clinic Research Institute	\$531,900	Vitronectin and Integrin (alpha)(v)(beta)(3) in Ovarian Carcinoma
OC990181	Kash	Kathryn	Beth Israel Medical Center	\$508,588	Levels of Distress in Women with a Family History of Ovarian Cancer
OC990105	Knaus	Ulla G.	Scripps Research Institute	\$507,691	Regulation and Function of Pak Signaling in Ovarian Cancer
OC990169	Modugno	Frances Mary	Pittsburgh, University of	\$442,699	Ovarian Cancer Risk and Survival in BRCA1/2 Carriers
OC990068	Pietras	Richard	California, University of, Los Angeles	\$459,000	Targeting Angiogenic Factors Contributing to Etiology and Progression of Human Ovarian Cancer
OC990179	Rodriguez	Gustavo C.	Duke University Medical Center	\$457,560	Characterization of the Chicken Ovarian Cancer Model
OC990037	Ruoslahti	Erkki	Burnham Institute	\$585,000	New Antimetastatic and Antiangiogenic Compound for Ovarian Cancer
OC990138	Tilly	Jonathan	Massachusetts General Hospital	\$450,738	Role of Oocyte Loss in Ovarian Surface Mesothelial Cell Transformation

FY99 Ovarian Cancer Research Program

New Investigator Awards

Log Number	Principal Investigator		Institution	Award Amount	Proposal Title
	Last Name	First Name			
OC990017	Akhmedkhanov	Arslan	New York University	\$234,261	Soluble Fas as Biomarker of Ovarian Cancer
OC990075	Cheng	Jin	South Florida, University of	\$434,286	Phosphoinositide 3-Kinase/AKT1 Pathway and Human Ovarian Cancer
OC990080	Johnson	Patricia A.	Cornell University, Ithaca	\$435,274	Characterization of the Hen as a Model for Human Ovarian Cancer
OC990085	Kelley	Mark R.	Indiana University, Indianapolis	\$447,000	Expression of the DNA Repair/Redox Enzyme APE/REF-1 in Epithelial Ovarian Cancers: Diagnostic, Mechanistic, and Therapeutic Studies
OC990127	Kruk	Patricia A.	South Florida, University of	\$393,880	Regulation of Telomerase Activity in Ovarian Cancer
OC990038	Taylor	Christopher C.	Georgetown University	\$450,065	The Role of Src Tyrosine Kinase Signaling Networks in the Development and Progression of Ovarian Cancer in a Mouse Model

***FY99 Ovarian Cancer Research Program
Participants***

FY99 Ovarian Cancer Research Program Peer Reviewers

Peer Reviewer	Degree	Institution/Affiliation
Ackerman, Virginia M.		Ovarian Cancer National Alliance
Alexander, Doreene W.		Southern New Mexico Cancer Support Services, Inc.
Ambrosone, Christine B.	Ph.D.	Division of Molecular Epidemiology, National Center for Toxicological Research, Federal Drug Administration
Andre, Michael P.	Ph.D.	Department of Radiology, University of California at San Diego
Armstrong, Deborah K.	M.D.	Department of Medical Oncology, Johns Hopkins Oncology Center
Ascensao, Joao L.	M.D., Ph.D.	Department of Internal Medicine, University of Nevada School of Medicine
Bourguignon, Lilly Y. W.	Ph.D.	Department of Cell Biology and Anatomy, University of Miami Medical School
Boyd, Jeffrey A.	Ph.D.	Departments of Surgery and Human Genetics, Memorial Sloan-Kettering Cancer Center
Brigham-Derwin, Sheila C.		National Ovarian Cancer Coalition, Inc.
Brown, Anthony M. C.	Ph.D.	Strang Cancer Research Laboratory, Weill Medical College of Cornell University
Chambers, Setsuko K.	M.D.	Department of Obstetrics and Gynecology, Yale University School of Medicine
Chatterjee, Sunil K.	M.D.	University of Cincinnati
Cleveland, John L.	Ph.D.	Department of Biochemistry, St. Jude Children's Research Hospital
Couch, Fergus J.	Ph.D.	Laboratory of Medicine and Pathology, Mayo Clinic Rochester
Craig, Ruth W.	Ph.D.	Department of Pharmacology and Toxicology, Dartmouth Medical School
Cramer, Daniel W.	M.D., Sc.D.	Brigham and Women's Hospital, Harvard Medical School
Deuel, Thomas F.	M.D.	Beth Israel Hospital
Durant, John R.	M.D.	American Society of Clinical Oncology
Duzenli, Cheryl R.	Ph.D.	Department of Clinical Physics, Fraser Valley Cancer Centre, British Columbia Cancer Agency
Dwyer, Samuel J., III	Ph.D.	Department of Radiology, University of Virginia Health Science Center
Fawwaz, Rashid A.	M.D., Ph.D.	Division of Nuclear Medicine, Presbyterian Hospital
Fishman, David A.	M.D.	Prentice Women's Hospital, Northwestern University
Floyd, Carey E.	Ph.D.	Department of Radiology, Duke University Medical Center
Fuqua, Suzanne A. W.	Ph.D.	Baylor College of Medicine
Gabrielson, Edward W.	M.D.	Department of Pathology, Johns Hopkins Bayview Medical Center

Peer Reviewer	Degree	Institution/Affiliation
Geisler, Hans E.	M.D.	Department of Obstetrics and Gynecology, St. Vincent Hospital and Health Center
Godwin, Andrew K.	Ph.D.	Department of Medical Oncology, Fox Chase Cancer Center
Goodman, Marc	Ph.D., M.P.H.	Cancer Research Center of Hawaii, University of Hawaii at Manoa
Graham, Lindy		Gynecologic Cancer Foundation
Gumerlock, Paul H.	Ph.D.	Division of Hematology/Oncology, University of California, Davis Cancer Center
Hamilton, Andrea B.	Ph.D.	Department of Psychiatry and Behavioral Sciences, Memorial Sloan-Kettering Cancer Center
Herman, Terence S.	M.D.	Division of Radiation Oncology, Utah Health Science Center
Hickey, Robert J.	Ph.D.	Department of Pharmacology and Experimental Therapeutics, University of Maryland School of Medicine
Ho, Shuk-Mei	Ph.D.	Department of Surgery, Division of Urology, University of Massachusetts Medical School
Hoffman, Edward Joseph	Ph.D.	Department of Pharmacology and Radiology, University of California at Los Angeles School of Medicine
Holmberg, Augusta Dawn		National Ovarian Cancer Coalition, Inc.
Horowitz, Jonathan M.	Ph.D.	Department of Anatomy, Physiology, and Radiology, North Carolina State University
Huppi, Konrad	Ph.D.	Laboratory of Genetics, National Cancer Institute, National Institutes of Health
Hurley, Karen E.	Ph.D.	Ruttenberg Cancer Center
Jackson, Cynthia L.	Ph.D.	Department of Pathology, Rhode Island Hospital
Jeng, Meei-Huey	Ph.D.	Department of Internal Medicine, University of Virginia, Health Science Center
John, Esther M.	Ph.D.	Northern California Cancer Center
Kallergi, Maria	Ph.D.	Department of Radiology, University of South Florida
Kane, Madeleine A.	M.D., Ph.D.	Department of Medicine and Medical Oncology, University of Colorado Health Science Center
Kern, Francis G.	Ph.D.	Department of Molecular Oncology, Southern Research Institute
Knepper, Janice E.	Ph.D.	Department of Biology, Villanova University
Lehman, Constance	M.D., Ph.D.	Department of Radiology, University of Washington Medical Center
Lingrel, Jerry B.	Ph.D.	Department of Molecular Genetics, University of Cincinnati College of Medicine
Lowery, Dolores L.	M.S.	Executive Secretary
Lum, Clark K.	Ph.D.	Executive Secretary
MacLeod, Carol L.	Ph.D.	Department of Medicine, University of California at San Diego
Maihle, Nita J.	Ph.D.	Department of Biochemistry and Molecular Biology, Mayo Clinic and Foundation

Peer Reviewer	Degree	Institution/Affiliation
Malkas, Linda H.	Ph.D., M.P.H.	Department of Pharmacology, University of Maryland School of Medicine
Malone, John M., Jr.	M.D.	Detroit Medical Center
Martinez, Andrew O.	Ph.D.	Division of Life Sciences, University of Texas at San Antonio
Mason, Ann M.		Ovarian Cancer Coalition of Greater Washington
Mayo, Kelly E.	Ph.D.	Department of Biochemistry, Molecular Biology, and Cell Biology, Northwestern University
McGee, J. Michael	M.D.	Department of Surgery, University of Oklahoma
McGuire, Valerie M.	Ph.D., M.P.H.	Department of Health Research and Policy, Stanford University
McKim, Kim	Ph.D.	Department of Genetics, Rutgers University
Mok, Samuel C.	Ph.D.	Department of Obstetrics and Gynecology, Brigham and Women's Hospital
Mulhern, Sally A.	Ph.D.	Executive Secretary
Muller, Carolyn	M.D.	Department of Obstetrics and Gynecology, University of Texas Southwestern Medical Center
Neumann, Paul E.	M.D.	Department of Anatomy and Neurobiology, Dalhousie University
Olopade, Olufunmilayo F.	M.D.	University of Chicago Medical Center
Ove, Peter	Ph.D.	Executive Secretary
Oziel, Rhonda		Ovarian Cancer National Affiliation Alliance
Parsons, Ward	M.D.	Department of Breast Imaging, Utah Southwestern Center for Breast Care
Pasternack, Gary R.	M.D., Ph.D.	Division of Molecular Pathology, Johns Hopkins University School of Medicine
Patriotis, Christos	Ph.D.	Department of Medical Oncology, Fox Chase Cancer Center
Pavlik, Edward J.	Ph.D.	Department of Obstetrics and Gynecology, University of Kentucky Medical Center
Pestell, Richard G.	M.D., Ph.D.	Department of Developmental and Molecular Biology, Albert Einstein College of Medicine
Petersen, Margie		Southern New Mexico Cancer Support Service
Poeretti, Maura	Ph.D.	Department of Pathology, University of Kentucky
Porto-Huber, Mary L.		National Ovarian Cancer Coalition, Inc.
Primus, Frederick James	Ph.D.	Department of Pathology, Vanderbilt-Ingram Cancer Center
Ramakrishnan, S.	Ph.D.	Departments of Pharmacology and Obstetrics and Gynecology, University of Minnesota
Rawl, Susan	Ph.D.	Department of Nursing, Indiana University School of Nursing
Raylman, Raymond R.	Ph.D.	HSS Department of Radiology, University of West Virginia
Rice, Mary G.		National Ovarian Cancer Coalition, Inc.
Rodland, Karin D.	Ph.D.	Department of Cell and Developmental Biology, Oregon Health Sciences University

Peer Reviewer	Degree	Institution/Affiliation
Ross, Theodora	M.D., Ph.D.	Department of Medicine, University of Michigan Cancer Center
Rossing, Mary Anne	D.V.M., Ph.D.	Division of Public Health Sciences, Fred Hutchinson Cancer Research Center
Roth, Sharon Y.	Ph.D.	Department of Biochemistry and Molecular Biology, University of Texas M. D. Anderson Cancer Center
Samei, Ehsan	Ph.D.	Department of Radiology, Medical University of South Carolina
Sandberg, Anna M.	Dr.P.H., M.P.H.	Executive Secretary
Skalnik, David	Ph.D.	Wells Center for Pediatric Research
Smith, David I.	Ph.D.	Division of Experimental Pathology, Mayo Foundation
Stearns, Mark E.	Ph.D.	Department of Pathology, Medical College of Pennsylvania and Hahnemann University
Umbreit, Jay N.	M.D., Ph.D.	Division of Hematology/Oncology, University of South Alabama
Walton, Leslie	M.D.	Division of Gynecologic Oncology, University of North Carolina School of Medicine
Wei, Wei-Zen	Ph.D.	Department of Immunology, Karmanos Cancer Institute
Weinberg, Andrew D.	Ph.D.	Franz Cancer Center, Earl A. Chile Research Institute
Xu, Yan	Ph.D.	Department of Cancer Biology, Cleveland Clinic Foundation
Yang, Yu-Chung	Ph.D.	Indiana University School of Medicine
Zanjani, Esmail D.	Ph.D.	Veterans' Administration Medical Center

FY99 Ovarian Cancer Research Program Integration Panel (IP) Members

IP Member	Degree	Institution/Affiliation
Birrer, Michael (Chair-Elect)	M.D., Ph.D.	Cellular Cancer Biology Division, National Cancer Institute, National Institutes of Health
Gallion, Holly	M.D.	Department of Obstetrics and Gynecology, University of Kentucky
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	M.D.	Gynecology Service, Memorial Sloan-Kettering Cancer Center
Hricak, Hedvig	M.D., Ph.D.	Department of Radiology, University of California, San Francisco
Karlan, Beth	M.D.	Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, Cedars-Sinai Medical Center
Kaur, Judith (Chair)	M.D.	Medical Oncology Department, Mayo Clinic
Kolker, Ann	J.D.	Ovarian Cancer National Alliance
Kurman, Robert	M.D.	Gynecologic Pathology, The Johns Hopkins Hospital
Markman, Maurie	M.D.	Department of Hematology/Medical Oncology, The Cleveland Clinic Foundation
Melancon, Cindy	R.N., M.N.	Ovarian Cancer National Alliance
Padilla, Geraldine	Ph.D.	University of California, Los Angeles School of Nursing
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

GLOSSARY OF TERMS

Glossary of Terms

Idea Award: The intent of this award mechanism is to encourage innovative approaches to ovarian cancer research in four emphasis areas (i.e., etiology, prevention, diagnosis, and/or quality of life). Idea proposals may represent a new paradigm, challenge existing paradigms, or look at an existing problem from a new perspective. Despite the inherent risk-taking nature of these projects, they must nonetheless demonstrate solid scientific judgment.

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 established investigators new to the ovarian cancer field. Preliminary or pilot data are required. Proposals submitted to this award mechanism must emphasize etiology, prevention, diagnosis, and/or quality of life as related to ovarian cancer.