AACR MINORITY SCHOLAR AWARDS IN CANCER RESEARCH
Supported by a generous grant from the Comprehensive Minority Biomedical Program of the National Cancer Institute (NCI)

AACR Minority Scholar Awards in Cancer Research are offered to eligible minority scientists wishing to attend the Annual Meeting and Special Conferences of the American Association for Cancer Research (AACR). The awards are supported by a generous grant from the Comprehensive Minority Biomedical Program of the National Cancer Institute (NCI). Those eligible for these awards are graduate and medical students, physicians-in-training, and postdoctoral students from minority groups considered underrepresented in cancer research by the NCI, i.e., African Americans, Alaskan Natives, Hispanic Americans, Native Americans, and Native Pacific Islanders.

The 90th AACR Annual Meeting will take place April 10-14, 1999, in Philadelphia, PA. This annual meeting will attract approximately 8,500 scientists from around the world, will provide the latest findings in the most rapidly developing areas of basic, clinical, and translational cancer research, and will feature major presentations from prominent scientists who are making important advances in the field. The deadline for receipt of applications for Minority Scholar Awards for the 90th AACR Annual Meeting is December 4, 1998.

Applications for Special Conference awards are due approximately two months before the date of the meeting. The AACR Special Conferences on focused topics in cancer research have gained wide recognition as unique opportunities for in-depth discussion of important scientific issues in attractive, informal resort environments. For Special Conferences only, minority faculty at the level of Instructor, Lecturer, or Assistant Professor are also eligible for these awards.

If you would like to receive an Official Application Form for this Award, please send your name and complete mailing address to:

Ms. Robin E. Felder, Membership Development Coordinator
American Association for Cancer Research (AACR)
Public Ledger Building, Suite 826
150 S. Independence Mall West
Philadelphia, PA 19106-3483
Telephone: 215-440-9300 • FAX: 215-440-9412
E-Mail Address: felder@aacr.org
http://www.aacr.org
The American Association for Cancer Research (AACR) is extremely pleased to announce the availability of Awards in Cancer Research for full-time faculty members of Historically Black Colleges and Universities (HBCUs). Supported by a generous grant provided by the Comprehensive Minority Biomedical Program of the National Cancer Institute, AACR-HBCU Faculty Awards in Cancer Research will be presented annually by the American Association for Cancer Research to scientists at the level of Assistant Professor or above at an HBCU who are engaged in meritorious basic, clinical, or translational cancer research.

The purpose of this Award program is to increase the scientific knowledge base of faculty members at Historically Black Colleges and Universities, and to encourage them and their students to pursue careers in cancer research. Financial support (up to $1,500 per Awardee) will be provided to Awardees wishing to attend the Annual Meetings and Special Conferences of the American Association for Cancer Research (AACR).

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E-Mail Address: felder@aacr.org  
http://www.aacr.org
The NCI Cooperative Human Tissue Network (CHTN) provides normal, benign, pre-cancerous and cancerous human tissue to the scientific community for basic and developmental studies in many areas of cancer research. Contact the CHTN website at: http://www-chtn.ims.nci.nih.gov, or Ms. Marianna Bledsoe, NCI, (301) 496-7147; e-mail: mb80s@nih.gov.

The NCI Clinical Trials Cooperative Groups have banked tumor specimens from large numbers of uniformly treated cancer patients with a variety of malignancies. Each group has a review process for research proposals. If proposals receive favorable reviews, specimens with clinical, treatment and outcome data can be made available to researchers through collaborative arrangements. These banked specimens are most useful for clinical correlative studies on uniformly treated patient populations. Contact the NCI Human Specimen and Data Information System website at: http://www.specimens.ims.nci.nih.gov, or the NCI Tissue Expediter, (301) 496-7147; e-mail: tissexp@mail.nih.gov.

The NCI Cooperative Breast Cancer Tissue Resource (CBCTR) can provide researchers with access to over 9,000 cases of formalin-fixed, paraffin-embedded primary breast cancer specimens, with associated pathology and clinical data. The collection is particularly well-suited for validation studies of diagnostic and prognostic markers. Contact CBCTR’s website at: http://www-cbctr.ims.nci.nih.gov, or Ms. Sherrill Long, Information Management Services, Inc., (301) 680-9770; e-mail: sherrill@ims.nci.nih.gov.

The NCI AIDS Malignancy Bank (AMB) is a collection of tissue and biological fluids with associated clinical and follow-up data from patients with HIV-related malignancies. The specimens and clinical data are available for research studies, particularly those that translate basic research findings to clinical application. Contact the AMB website at: http://cancernet.nci.nih.gov/amb/amb.html, or Dr. Ellen Feigal, NCI, (301) 496-6711; e-mail: ef30d@nih.gov.

The Cooperative Family Registry for Breast Cancer Studies (CFRBCS) provides biological specimens with associated family history, clinical, demographic and epidemiologic data from participants with a family history of breast cancer, breast/ovarian cancer, or Li-Fraumeni syndrome, and their relatives. The CFRBCS’s repository is particularly suited to support interdisciplinary and translational breast cancer research. Contact the CFRBCS website at: http://www-dceg ims.nci.nih.gov/cfrbcs, or Dr. Daniela Seminara, NCI, (301) 496-9600; e-mail: seminard@epndce.nci.nih.gov.

Each of the resources listed above has an established review process for specimen requests and/or requirements that must be met for access to specimens. Additional details may be obtained from the resource websites and/or resource contacts.

The NCI Breast Cancer Specimen and Data Information System can provide additional information on breast cancer tissue resources (http://www-napbc.ims.nci.nih.gov).

Other human specimen resources for cancer research may be available through collaborative arrangements. Contact the NCI Tissue Expediter at, (301) 496-7147, e-mail: tissexp@mail.nih.gov.
 META Mouse 

The Most Direct Route to the Clinic for your Candidate Cancer Drug is via MetaMouse

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Other compounds
Bleomycin Sulfate Carboplatin
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Daunorubicin Doxorubicin
Etoposide Mitomycin
tamoxifen Citrate Many others

(For research purposes only)

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Purdue University
Walther Professor of Nutrition and Cancer

The Department of Foods and Nutrition at Purdue University, in collaboration with the Purdue Cancer Center, and with the support of the Walther Cancer Institute, is seeking a nationally recognized scientist to fill a new position in the area of nutrition and cancer. The position offers an opportunity to expand a strong research program through collaborations with more than 100 campus scientists currently engaged in basic cancer research who possess expertise in biological, biochemical and chemical sciences, engineering, pharmacology, veterinary medicine and nutrition. The successful candidate will have an appointment in the Departments of Foods and Nutrition, but will be closely affiliated with the Purdue Cancer Center (a National Cancer Institute designated basic laboratory research center since 1978 housing programs in experimental therapeutics and diagnostics, structural biology, cell growth and differentiation and carcinogenesis). The position is available immediately.

The successful candidate is expected to qualify for the rank of FULL PROFESSOR. He/she will have a PhD, DVM or MD degree with a distinguished track record in research as measured by extramural research funding and peer-reviewed publications and evidence of productive collaborative research activities. Teaching experience is also desirable. There are no clinical practice responsibilities. A highly competitive salary and benefits package is available.

An application should include a description of interest outlining current and planned research and scholarly activities, three representative reprints, curriculum vitae and names, addresses and phone numbers of three references. The review of applications is ongoing and will continue until the position is filled. Send materials to: Richard Mattes, PhD, Purdue University, Dept of Foods and Nutrition, 1264 Stone Hall, West Lafayette, IN 47907-1264, 765-494-0662/FAX 765-494-0674

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Mayo curriculum team and epithelial individual

To achieve this goal, we are selectively hiring the best and the brightest people in the world-people who can make a difference and want to leave their mark. Can you see yourself working on our dream of helping to improve food and health throughout the world? Do you ever think about what you can achieve and the difference you, personally, can make? All of us at Searle ask these questions daily. It’s what brought us together and keeps us together.

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ASSOCIATE DIRECTOR, CLINICAL RESEARCH

The selected individual will plan, design, budget, implement, monitor, and coordinate and report status and results of clinical trials and programs. Additional responsibilities include reporting and representing clinical research at project team meetings, supervising junior personnel, and performing other duties as required by management.

We require a Ph.D. plus 5-7 years of pharmaceutical industry experience; at least 3 years in clinical research or equivalent; or an M.D. with Ph.D. or specialty training/certification and some research experience or equivalent. 3-5 years of clinical research experience is desired.

For consideration, please submit your resume to: Job Code: 2293, Searle, 4901 Searle Parkway, Skokie, IL 60077. Please visit our website at www.monsanto.com. EEO/AA Employer M/F/D/V.

MAYO CLINIC

Research on zinc finger transcriptional repressors, epithelial cell growth, and cancer. Postdoctoral position immediately available for a highly motivated individual to study the role of novel zinc finger proteins in transcriptional repression and in the regulation of normal and neoplastic pancreatic epithelial cell growth. The successful candidate will be part of a multidisciplinary team using state-of-the-art molecular and cell biological techniques. Applicant should have previous experience in protein chemistry and/or molecular biology. Send curriculum vitae and three references to:

Raul Urrutia, MD
GI Research Unit
Mayo Clinic, Alfred 2-435
200 First Street SW
Rochester, MN 55905
Fax: 507/255-6318, E-mail: urrutia.raul@mayo.edu

Mayo Foundation is an affirmative action and equal opportunity employer and educator

Postdoctoral Research Fellowship in Molecular Oncology

The Center for Molecular Medicine at the University of Connecticut School of Medicine invites applications for a postdoctoral fellowship to (a) pursue novel approaches toward understanding the role of the cyclin D1 oncogene in human neoplasia and in relevant animal models, and (b) exploit this understanding for therapeutic purposes.

A strong background in molecular biology is required, and experience in molecular oncology is highly desirable.

Review of applications will begin on January 1, 1999, and will continue until the position is filled. Send curriculum vitae, statement of research experience and interests, and names of three references to:

Dr. Andrew Arnold
Director, Center for Molecular Medicine
University of Connecticut School of Medicine
263 Farmington Avenue
Farmington, CT 06030-1316
Congratulations 1998-1999 AACR Research Fellows!

Stephen W. Buck, Ph.D.
AACR Fellowship in Basic Research

Paul D. Boucher, Ph.D.
AACR-Amgen Inc. Fellowship in Translational Research

Chung-Tsen Hsueh, M.D., Ph.D.
AACR-Amgen Inc. Fellowship in Translational Research

Andrew K. Joe, M.D.
AACR-Cancer Research Foundation of America Fellowship in Prevention Research

Manuel Hidalgo, M.D.
AACR-Bristol-Myers Squibb Oncology Fellowship in Clinical Research

Richard Todd Reilly, Ph.D.
AACR-Cancer Research Foundation of America Fellowship in Prevention Research

Marlena Schoenberg Fejzo, Ph.D.
AACR-Sidney Kimmel Foundation for Cancer Research Fellowship in Basic Research

Fellowship Applications Now Being Accepted For 1999-2000.

AACR Research Fellowships in Basic, Clinical, Translational, and Prevention Research foster meritorious cancer research in the Americas by young scientists currently at the postdoctoral or clinical research fellow level. The Research Fellowships provide a one- or two-year grant of $30,000 per annum. Fellows will also be reimbursed for their travel to AACR’s Annual Meeting to accept the award. The application deadline is January 15, 1999.

Application forms and complete guidelines can be downloaded from AACR’s Website: www.aacr.org/fellow99.htm
Hard copies of these materials may be requested; contact Jenny Anne Horst-Martz, American Association for Cancer Research, Public Ledger Building, Suite 826, 150 South Independence Mall West, Philadelphia, PA 19106-3483; phone: (215) 440-9300; fax: (215) 440-9372; e-mail: (horst@aacr.org).
AMERICAN ASSOCIATION FOR CANCER RESEARCH

The American Association for Cancer Research (AACR) is a professional society of over 13,500 scientists and physicians involved in all aspects of basic, clinical, and translational cancer research. Members of the AACR enjoy

- subscriptions to Cancer Research, Cell Growth & Differentiation, Cancer Epidemiology, Biomarkers & Prevention, and Clinical Cancer Research at reduced member rates
- reduced registration rates at the AACR Annual Meeting, Special Conferences, and International Meetings
- Employment Register, Directory of Members, public education activities, and many other benefits

Special programs to provide enhanced career development opportunities for minority scientists include

- Session on Career Development at Annual Meeting
- Mentorship Program
- Travel Awards to Scientific Meetings

American Association for Cancer Research
Public Ledger Building, Suite 826
150 S. Independence Mall West
Philadelphia, PA 19106-3483
Telephone: (215) 440-9300
FAX: (215) 440-9313

UNIVERSITY OF CALIFORNIA, SAN DIEGO DEPARTMENT OF MEDICINE

As part of a major new initiative in oncology at UCSD, the Division of Hematology/Oncology, Department of Medicine is seeking two academic medical oncologists. This initiative builds upon accelerating innovations in our NCI-designated Cancer Center and upon new recruitments in Radiation Oncology, Surgical Oncology, Gynecological Oncology, and Surgical Pathology. We are now seeking two enthusiastic and active medical oncologists with interests in clinical care and clinical trials, with special emphasis on solid tumors, to capitalize on these stimulating new initiatives. Abundant opportunities are available for collaborative research in this environment. Demonstrated accomplishments in these areas will be needed for appointment at senior levels but we also are interested in less established candidates, with evidence of future promise. Board certified/eligible to apply. Appointment level and series will be commensurate with experience and qualifications, and salary based on established UCSD salary scales. Interested individuals should send a curriculum vitae and referee list by December 7, 1998 to Stephen Wasserman, M.D., Chairman, Department of Medicine, UCSD Medical Center, 402 Dickinson Street, Suite 380, San Diego, CA 92103. AA/EOE.

A New Resource Kit from the National Cancer Institute

To order this and other materials, call the Cancer Information Service, a program of the National Cancer Institute at

1-800-4-CANCER
(1-800-422-6237)

People with TTY equipment, dial 1-800-332-8615
Marguerite Vogt, Professor at the Salk Institute in La Jolla, CA, whose picture appears on the cover this issue, is widely known for her pioneering work with Renato Dulbecco on the plaque formation of pox virus and the transformation of mammalian cells by the polyoma DNA tumor virus. Less known is her groundbreaking research on homeotic mutants in Drosophila, done during World War II while she was working at her father’s institute for brain research located in the Black Forest region of Germany. While cut off from the rest of the world, Dr. Vogt single-handedly published 39 major papers on fly genetics that set the stage for much of the subsequent work in the field.

Upon receiving her M.D. degree from the Friedrich-Wilhelm University in Berlin in 1936, at the age of 23, Dr. Vogt already had ten years of genetic research on Drosophila behind her. She is the younger daughter of the famous founders of neuroscience, Oskar Vogt and Cecile Vogt-Mugnier, under whose tutelage she and her sister Mathe developed an early interest in, respectively, the genetics and the endocrinology of brain development and of brain diseases. While Marguerite went on to become Professor at the Salk Institute, Marthe became Professor of Pharmacology at Edinburgh and Cambridge Universities and a Member of the Royal Society of the United Kingdom.

Oskar Vogt was the Director of the Kaiser Wilhelm/Max-Planck Institute for Brain Research at Berlin-Buch until 1937, when he was ousted from that post by the Nazi regime. Undaunted, he established a private Institute for Brain Research and General Biology in Neustadt, Germany. It was here, working both independently and with the participation of numerous prominent scientists who found political shelter at her father’s Institute, that Marguerite continued her genetic research, resulting in the 39 seminal papers on fly genetics.

During her years at the Institute, Dr. Vogt extensively investigated the function of the ring gland in Drosophila melanogaster. She also began a study of homeotic mutants, becoming one of the first persons to realize the importance of such mutants for studying development. She pioneered the analysis of imaginal discs of two such homeotic mutations, aristapedia and proboscipedia. These experiments were the first to show the highly autonomous, as opposed to hormonally controlled, nature of almost all homeotic mutants. Her pioneering work was many years ahead of its time and was not immediately appreciated owing to its publication in German and to the ravages of World War II.

In 1950, Dr. Vogt joined the California Institute of Technology in Pasadena as a Research Associate in the Virology Laboratory of Renato Dulbecco, where she worked indefatigably to develop and perfect the methods that finally led to the successful culture of the polio virus. With Dr. Dulbecco, she developed techniques for the plaque formation of animal viruses on mammalian cell cultures, which changed animal virology into a quantitative science. After studying the polio virus, Drs. Dulbecco and Vogt used an analogous approach to study the biological properties of oncogenic viruses, initially polyoma virus. They were the first to transform mammalian cells in vitro by polyoma virus and to develop in vitro quantitative transformation and focus assays by using primary hamster embryo cells. The quantitative study of in vitro cell transformation was a most important step in the study of viral oncogenesis.

In 1963, Drs. Vogt and Dulbecco joined the newly established Salk Institute in La Jolla. Their work on the oncogenic viruses, polyoma and SV-40, was continued by the study of the induction of host DNA-synthesis by oncogenic viruses and their temperature-sensitive mutants. Taking a cue from lysogenic bacteriophage, they postulated that one or more viral genes were integrated in the transformed cells, since the virus-transformed cells did not produce an infectious virus. It took half a dozen years before the molecular technology was available to demonstrate this point and before the study of the characteristics of the viral transforming gene(s) could be initiated. By this time, Dr. Vogt had started working on retroviruses and their interaction with the cells they infected. She substantiated the role of the MCF (Mink Cell Focus-inducing) retroviruses in the process of leukaemogenesis. She also studied Rauscher and Friend erythroleukaemia viruses for a number of years, showing among other things, that these two viruses share almost their entire coding sequence.

Dr. Vogt then shifted her attention to the study of replicative senescence and immortalization of human cells and their connection to telomere shortening and telomerase activation, respectively. She argued that since all cancer cells are immortal, reversing the immortal phenotype with the re-induction of the mortal, senescent phenotype would be capable of reversing the proliferation of all cancer cells. She showed that the immortal phenotype of human fibroblasts is reversible and that the re-induction of senescence is dependent on the host’s telomeres or the expression of telomerase. Rather, the kinase inhibitors p16INK4a and p21CIP1 were responsible in part for the induction of senescence of the immortal cells studied. While others concurrently demonstrated the inhibition of proliferation of cancer cells by the introduction of the tumor suppressors p16INK4a and p21CIP1, she demonstrated that such inhibition was mediated by the reversal of the immortal phenotype.

During her 75-year-long scientific career, Dr. Vogt has educated scores of scientists on sabbatical leave, young postdoctoral fellows, and graduate students. In Dr. Dulbecco’s laboratory, Dr. Vogt guided the students with patience or actively collaborated with them, while later, in her own laboratory, she continued to attract pilgrims to the Salk Institute. In doing so, she has encouraged a large core of young researchers to pursue scientific careers. Dr. Vogt is also an accomplished pianist. During the Caltech period, she and several other members of the Biology Division would meet regularly to play chamber music. After moving to the Salk Institute, she formed a chamber music group that meets regularly on Sunday mornings at her home in La Jolla, maintaining a tradition her parents had begun in Berlin 70-odd years earlier.

Martin Haas
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