**Angiogenesis and Cancer**

January 24-28, 1998
Hyatt Orlando
Orlando, FL

**CONFERENCE CO-CHAIRPERSONS**

Judah Folkman / Boston, MA
Michael Klagsbrun / Boston, MA

**CONFERENCE PROGRAM**

Keynote Address
Nicole Le Douarin / Nogent sur Marne, France

Blood Vessels and Development
Patricia D'Amore / Boston, MA
Donald E. Ingber / Boston, MA
Jeffrey M. Isner / Boston, MA

Mechanisms of Vasculogenesis and Angiogenesis
Werner Risau / Bad Nauheim, Germany
Peter Carmeliet / Leuven, Belgium
Douglas Hanahan / San Francisco, CA

VEGF and VEGF Receptors
Kari K. Alitalo / Helsinki, Finland
Harold F. Dvorak / Boston, MA
Napoleone Ferrara / S. San Francisco, CA
Kenneth A. Thomas / West Point, PA

Angiopoietin and TIE Receptors
George D. Yancopoulos / Tarrytown, NY
Bjorn R. Olsen / Boston, MA

Tumor Angiogenesis and Metastasis
Rakesh K. Jain / Boston, MA
Robert S. Kerbel / Toronto, Ontario, Canada
Isaiah J. Fidler / Houston, TX
Ann F. Chambers / London, Ontario, Canada

Inhibitors of Angiogenesis
Luisa Iruela-Arispe / Boston, MA
Noël Bouck / Chicago, IL
David A. Cheresh / La Jolla, CA

Clinical Applications
Noel Weidner / San Francisco, CA
Judah Folkman / Boston, MA

Additional Speakers to be Announced

**Information and Application Forms:**
American Association for Cancer Research
Public Ledger Building, Suite 826
150 South Independence Mall West
Philadelphia, PA 19106-3483
215-440-9300 215-440-9313 (FAX)
E-mail: aacr@aacr.org
Website: http://www.aacr.org
<table>
<thead>
<tr>
<th>Clinical Cancer Research</th>
</tr>
</thead>
</table>

**Editor-in-Chief**
John Mendelsohn  
*Growth factors, hormones, cell growth; radiation therapy, surgery, subspecialty investigation*

**Deputy Editor**
Waun Ki Hong  
*Clinical trials targeted at specific malignancies, chemoprevention*

**Senior Editors**
Bruce A. Chabner  
*Clinical pharmacology and pharmacokinetics, drug metabolism, drug sensitivity and resistance, drug interactions*

Michael B. Kastan  
*Cell cycle regulation, cell death*

Lance A. Liotta  
*Pathology, metastasis*

David Sidransky  
*Molecular pathogenesis, molecular correlates*

**Associate Editors**
- Martin D. Abeloff  
  *Paul F. Engstrom  
  Eric R. Fearon*
- Carmen J. Allegra  
  *Isaiah J. Fidler*
- James O. Armitage  
  *Richard M. Fox*
- Laurence H. Baker  
  *Michael A. Friedman*
- Charles M. Balch  
  *Zvi Y. Fuxs*
- Barthel Barlogie  
  *Stephen L. George*
- Robert C. Bast, Jr.  
  *Giuseppe Giaccone*
- Colin B. Berg  
  *Luca Gianni*
- Joseph R. Bertino  
  *Anna Giuliano*
- Clara D. Bloomfield  
  *Eli Glasstein*
- Ronald H. Blum  
  *David W. Golde*
- George J. Bosl  
  *Mark R. Green*
- Paul A. Bunn, Jr.  
  *Jerome E. Groopman*
- Michael A. Caligiuri  
  *William N. Hait*
- Alfred E. Chang  
  *Adrian L. Harris*
- Paul B. Chapman  
  *Curtis C. Harris*
- Michaele C. Christian  
  *Sandra J. Horning*
- Curt I. Civin  
  *William J. Hoskins*
- Ronald Crystal  
  *Janet A. Houghton*
- William S. Dalton  
  *Stephen B. Howell*
- Albert B. Deisseroth  
  *Daniel C. Ihde*
- Patricia K. Donahoe  
  *John T. Isaacs*
- Ross C. Donehower  
  *Robert B. Jenkins*
- Timothy J. Eberlein  
  *David H. Johnson*
- Merrill J. Egorin  
  *V. Craig Jordan*
- Frederick R. Eilber  
  *Barton A. Kamen*
- Robert M. Elashoff  
  *S. B. Kaye*
- Paul F. Engstrom  
  *David P. Kelsen*
- Eric R. Fearon  
  *David Phayat*
- Isaiah J. Fidler  
  *John M. Kirkwood*
- Richard M. Fox  
  *Donald W. Kufe*
- Michael A. Friedman  
  *Steven M. Larson*
- Zvi Y. Fuxs  
  *John S. Lazo*
- Stephen L. George  
  *Vctor A. Levin*
- Giuseppe Giaccone  
  *Allen Lichter*
- Luca Gianni  
  *Marc E. Lippman*
- Anna Giuliano  
  *Edison T. Liu*
- Eli Glasstein  
  *Patrick J. Loehrer, Sr.*
- David W. Golde  
  *Dan L. Longo*
- Mark R. Green  
  *Michael T. Lotze*
- Jerome E. Groopman  
  *Maurie Markman*
- William N. Hait  
  *William P. McGuire III*
- Adrian L. Harris  
  *Roland Mertelsmann*
- Curtis C. Harris  
  *Frank L. Meyeskens, Jr.*
- Sandra J. Horning  
  *John D. Minna*
- William J. Hoskins  
  *Monica Morrow*
- Janet A. Houghton  
  *James L. Mulshine*
- Stephen B. Howell  
  *Michael C. Murphy*
- Daniel C. Ihde  
  *Charles E. Myers*
- John T. Isaacs  
  *Larry Norton*
- Robert B. Jenkins  
  *Richard J. O'Reilly*
- David H. Johnson  
  *Robert F. Ozols*
- V. Craig Jordan  
  *Ira Pastan*
- Barton A. Kamen  
  *Leonard A. Zawling*

**Editorial Office**
Colleen M. Hubona, Executive Editor, Department of Educational Publishing Services—227, The University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, Texas 77030. Phone: (713) 792-6014; Fax: (713) 792-6016.

Through the kind assistance of the Japanese Cancer Association, accelerated mailing of all AARC journals to AARC members in Japan is supported by a generous grant from the Banyu Pharmaceutical Company, Tsukuba, Japan. One-year subscriptions to Clinical Cancer Research are made available to third-year hematology/oncology fellows in the United States through the generous support of Rhone-Poulenc Rorer Oncology.

---

**AACR Publications Department**  
Public Ledge Building, Suite 826, 150 South Independence Mall West, Philadelphia, PA 19106-3483  
Phone: (215) 440-9300  
FAX: (215) 440-9354
Notice to Members of the American Association for Cancer Research (AACR)
Officers for 1997–1998
President: Donald S. Coffey, Johns Hopkins University School of Medicine, Baltimore, MD 21287-2101
President-Elect: Webster K. Cavenee, Ludwig Institute for Cancer Research, La Jolla, CA 92039-0660
Treasurer: Bayard D. Clarkson, Memorial Sloan-Kettering Cancer Center, New York, NY 10021
Executive Director: Margaret Foti, AACR, Public Ledger Bldg., Suite 826, Philadelphia, PA 19106-3483

Annual Dues
The annual dues of active members of the AACR are $175, $50 of which may be applied to a subscription to Clinical Cancer Research. Corresponding members of the Association will be charged an appropriate fee to offset periodicals postage costs. Payment of dues and changes of address of members of the Association should be sent promptly to Margaret Foti, Executive Director, AACR, Public Ledger Bldg., Suite 826, 150 South Independence Mall West, Philadelphia, PA 19106-3483; Phone: (215) 440-9300; FAX: (215) 440-9313.

Submission of Manuscripts
Clinical Cancer Research, a journal of the American Association for Cancer Research, publishes original articles describing clinical research on the cellular and molecular characterization, prevention, diagnosis, and therapy of human cancer. Its focus is on innovative clinical research and translational research which bridges the laboratory and the clinic. Clinical Cancer Research is especially interested in clinical trials evaluating new treatments for cancer; research on molecular abnormalities that predict incidence, response to therapy, and outcome; and laboratory studies of new drugs and biological agents that will lead to clinical trials in patients. All submissions undergo peer review. Papers should be sent directly to an appropriate Senior Editor or to the Editor-in-Chief for review. See "Instructions for Authors" (page ii of this issue) for complete mailing addresses of the Editor-in-Chief, Deputy Editor, and Senior Editors.

Back Issues and Single Copy Sales of the Journal
Copies of back stock of the journal may be ordered from AACR Subscription Office, P.O. Box 11806, Birmingham, AL 35202 [Phone: (800) 633-4931 or (205) 995-1567; FAX: (205) 995-1588]. As long as supplies permit, single copies will be sold by this company at $25.00/copy. Orders outside the U.S. add $3/copy to offset postage costs.

Advertisements
Advertisement insertion orders and copy must be received one month prior to the date of issue in which the advertisement is to be published. The journal is mailed on approximately the 1st day of the month of issue. Inquiries about advertising should be directed to: M. J. Mrvica Associates, Inc., 2 West Taunton Ave., Berlin, NJ 08009 [Telephone: (609) 768-9360; FAX: (609) 753-0064].

Copyright and Permissions
Authors who wish to publish in Clinical Cancer Research must formally transfer copyright to the proprietor of the journal, the American Association for Cancer Research, Inc. It is understood by this transfer that the authors relinquish all exclusive rights of copyright ownership, including the rights of reproduction, derivation, distribution, sale, and display.
Authors who prepared their articles as part of their official duties as employees of the U.S. Federal Government are not required to transfer copyright to the American Association for Cancer Research, Inc., since these articles are considered to be in the public domain. In the case of articles supported by federal grants or contracts, copyright transfer to the American Association for Cancer Research, Inc., is required. The federal government may retain a nonexclusive license to publish or republish such material.
The Journal will routinely allow authors (or others with the permission of the authors) to include select parts of a copyrighted article in reviews, books, or subsequent papers, upon written request to the AACR Director of Publications. Requests to reproduce an article in its entirety will be considered on an individual basis and permission may be granted contingent upon payment of an appropriate copyright fee. All reproduction requests must include a brief description of intended use and a stamped, self-addressed envelope. Third parties should obtain the approval of the authors before corresponding with the AACR.
Those who wish to photocopy articles should contact the AACR Publications Department [Phone: (215) 440-9300; FAX: (215) 440-9354].

No responsibility is accepted by the Editors, by the American Association for Cancer Research, Inc., or by Cadmus Journal Services for the opinions expressed by contributors or for the content of the advertisements.

Clinical Cancer Research is abstracted and/or indexed in Cancer Lit, Chemical Abstracts, and Current Contents (Clinical Medicine).

Clinical Cancer Research (ISSN 1078-0432) is published monthly by the American Association for Cancer Research, Inc., Public Ledger Bldg., Suite 826, 150 South Independence Mall West, Philadelphia, PA 19106-3483 for $50 annually for members and $105 for individual nonmembers. Clinical Cancer Research is only available to institutions as a combined subscription with Cancer Research. The combined 1997 institutional subscription price of $685 includes $170 for a subscription to Clinical Cancer Research. Periodicals postage paid at Philadelphia, PA and additional mailing offices. POSTMASTER: Send address changes to AACR Subscription Office, P.O. Box 11806, Birmingham, AL 35202. Copyright 1997 by the American Association for Cancer Research, Inc. Printed on acid-free paper in the U.S.A.
Tennessee: Faculty Position—Division of Medical Oncology, Vanderbilt University Cancer Center. The Medical Oncology Division of the Vanderbilt Medical School is seeking to recruit an individual with an M.D. or M.D./Ph.D. degree to fill a tenure track position. Candidates should be board certified or board eligible in Medical Oncology preferably with clinical experience and research interest in the management of Gastrointestinal Malignancies. The successful applicant will help direct a rapidly expanding multidisciplinary Gastrointestinal Oncology Research Program. Members of the G.I. Oncology Program are currently engaged in the development and evaluation of several innovative treatment strategies emanating from a highly successful basic science research program. Laboratory space with appropriate start-up funding is available for individuals with an interest in laboratory-based research. The Medical Oncology Division consists of 11 faculty members with active research programs in solid and hematologic malignancies. Women and minorities are encouraged to apply. For further information, call 615-343-9454. To apply, send C. V. and three letters of reference to:

David H. Johnson, M.D.
Director, Division of Medical Oncology
1956 The Vanderbilt Clinic
Vanderbilt University Medical School
Nashville, TN 37232-5536

An equal opportunity/affirmative action employer.

Wayne State University

FACULTY POSITION IN PHARMACOKINETICS

The Pharmacology Laboratory, Karmanos Cancer Institute, and the Department of Pharmaceutical Sciences, College of Pharmacy & Allied Health Professions, invite applications from investigators with Ph.D., M.D., or equivalent degrees and expertise in pharmacokinetic modeling for a full-time, 0.5 FTE tenured/tenure-track faculty position at a rank commensurate with experience. The individual is expected to develop an independent, extramurally-funded research program in pharmacokinetics, contribute to clinical trials of investigational agents (primarily antineoplastics), and participate in teaching and service activities of each unit. Analytical chemistry expertise is an asset. Submit current curriculum vitae, description of career interests, key reprints, and complete contact information for three references to George B. Corcoran, Ph.D., Professor and Chair, Department of Pharmaceutical Sciences, College of Pharmacy & Allied Health Professions, Wayne State University, Detroit, MI 48202-3489 (ATTN: Pharmacokinetics Position). Dr. Corcoran can be reached by telephone at 313-577-1737, fax at 313-577-2033, or email at corcoran@wizard.pharm.wayne.edu. Full text announcement at http://wizard/pharm.wayne.edu/pkad.html. Wayne State University is an equal opportunity/affirmative action employer. Minorities and women are encouraged to apply. Wayne State University—People working together to provide quality service. All buildings, structures, and vehicles at WSU are smoke-free.

Clinical Leadership Positions in the Kaplan Cancer Center of NYU Medical Center

Associate Director for Clinical Oncology

The Kaplan Cancer Center (NCI-designated) is recruiting for the position of Associate Director for Clinical Oncology. The individual will have responsibility for overseeing the Cancer Center's clinical oncology research program units and shared resources, fostering interaction and translational research between the basic, clinical and prevention units, and representing the clinical activities in the executive structure of the Center. The Associate Director will have a key role in recruiting new clinical faculty. Pertinent Programs of the Center include Developmental Therapeutics and Clinical Trials; Breast Cancer Research and a developing program in Genitourinary Cancers.

Director of Breast Cancer Research Program

The Center is also seeking candidates for the position of Program Director for Breast Cancer Research. This Program is supported by a developmental grant from the NCI. Among a broad spectrum of breast cancer research, areas of interest and development include: molecular prognostic markers, characterization and exploitation of immunologic targets, identification of genetic changes, and susceptibility to breast cancer.

The above positions will be accompanied by a tenure track academic position in an appropriate clinical department of the NYU School of Medicine. Candidates must demonstrate research productivity in conducting peer reviewed (or equivalent) cancer research; preferred will be candidates in a translational research milieu. Excellent administrative and interpersonal skills are also required.

NYU Medical Center, one of the nation's leading academic medical centers, is located in midtown Manhattan, with all of its cultural attractions. For further information or to apply for the position, submit a copy of your curriculum vitae including bibliography, current grant support and compensation to:

Franco Muggia, M.D., Director
Kaplan Cancer Center
NYU Medical Center
550 First Avenue
New York, NY 10016

NYU Medical Center is an equal opportunity employer.
THE AMERICAN ASSOCIATION FOR CANCER RESEARCH (AACR) PRESENTS

Three Outstanding Training Opportunities
Supported by Major Grants from the National Cancer Institute
Primarily for Postdoctoral and Oncology Fellows

Waiver of Registration Fees and Subsidy of Lodging and Subsistence Expenses for Qualified Fellows

Molecular Biology in Clinical Oncology
A thorough overview of concepts in molecular biology designed for clinical oncologists in training

July 3-9, 1998, The Given Biomedical Institute, Aspen, CO
Michael B. Kastan, L. Michael Glodé, and Jennifer A. Pietenpol, Organizers

- Lectures by leading experts on molecular biology concepts and the latest developments in molecular oncology
- Small group laboratory sessions to demonstrate the important experimental techniques utilized in molecular biology
- Career development session and scheduled networking opportunities

Molecular Biology and Pathology of Neoplasia
(formerly entitled Histopathobiology of Neoplasia)
The Edward A. Smuckler Memorial Workshop

Intensive training in the molecular biology and morphology of human cancer for graduate students and postdoctoral fellows contemplating careers in basic cancer research

Frederick M. Waldman, Course Director

- Twenty-eight hours of hands-on laboratory exercises directed by distinguished pathologists
- An outstanding series of lectures on rapidly developing areas of cancer research by laboratory directors and other prominent investigators
- Poster presentations by students and faculty to facilitate further scientific exchange

Methods in Clinical Cancer Research
Co-Sponsored by the American Society of Clinical Oncology (ASCO)
The essentials of clinical trials design for researchers at the level of fellow or junior faculty

Daniel D. Von Hoff and Charles A. Coltman, Jr., Chairpersons

- A series of lectures by leaders in the field covering all elements of clinical trials design
- Small group discussion sessions on important techniques in clinical research
- Development of a clinical trial protocol by all participants with detailed critiques by faculty members
- Category I CME credits through ASCO

AACR members will receive brochures for all three workshops as soon as they are available. (The Clinical Methods Workshop brochure is also mailed to all ASCO members.) All others should submit requests to:

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 • E-mail: meetings@aacr.org
Website: http://www.aacr.org
To order these and other materials, call the Cancer Information Service, a program of the National Cancer Institute, at

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

Persons with TTY equipment, dial 1-800-332-8615.

*These and other cancer publications are also available on NCI’s Website at: http://rex.nci.nih.gov*
**DIRECTOR CLINICAL ONCOLOGY RESEARCH**

The University of Miami/Sylvester Comprehensive Cancer Center seeks an oncology focused physician or surgeon capable of leading and expanding the reach of its clinical oncology research effort. The principal emphasis will be on increasing the bidirectional linkages between the clinic and laboratory, with the potential for enhanced peer-reviewed funding. Qualifications include a clear focus in Oncology, an M.D. or M.D./Ph.D. degree, current NIH/NCI/ACS/DOD funding and a record of experience in directing high quality translational research efforts. Individuals with well functioning laboratories will be favored for this position, but clinical investigators with the ability to bridge between the basic and clinical sciences are welcome to apply. The appropriate individual should qualify for a tenure appointment at the Associate Professor or Full Professor level. Apart from pursuit of their own focused research programs, candidates will need to interface effectively with Cancer Center members of diverse research interests and serve as a role model and catalyst in stimulating the development of the Center’s translational research programs. If you are interested, mail a copy of your CV to Peter A. Cassileth, Deputy Director, Sylvester Comprehensive Cancer Center, 1475 N.W. 12th Avenue, (D8-4), Miami, FL 33136. EOE/AA.

---

**HUMAN BREAST CANCER CELL LINE AVAILABLE FOR RESEARCH**

Biological Research Faculty & Facility, Inc. (BRFF) announces to all interested investigators the availability of a human breast cancer cell line, BRF-71T1. This cell line was derived from lymph node metastasis from a 44 year old Caucasian woman. The cell line was immortalized with the pRSV-T plasmid which contains the SV40 early region genes. BRF-71T1 has undergone 113 population doublings in 48 weeks. To see a photograph of BRF-71T1, please visit our website.

For additional information, you may contact us at 301-831-8810 or FAX us at 301-831-8842. To obtain this cell line, send a letter of request to BRFF, 10075-20 Tyler Place, Ijamsville, MD 21754. Investigators will be required to sign a Cell Line Transfer Agreement before the cell line will be shipped. A fee of $275 will be charged to investigators in order to cover expenses for the maintenance of the cell line and for shipping live cell cultures.

BRF-71T1 was developed and partially characterized under Grant Number DAMD17-94-J-4395 sponsored by the Breast Cancer Research Program, U.S. Army Medical Research and Materiel Command.

---

**Hit our Home Page on the World Wide Web!**

**http://www.aacr.org**

**Our web site features:**

- AACR scientific meeting schedule
- Table of Contents of AACR journals
- Instructions for Authors
- Information about AACR Research Fellowships and Travel Awards

**Plus . . .**

The latest AACR newsletter, and much more!