AACR SPECIAL CONFERENCE IN CANCER RESEARCH

The Molecular Basis of Gene Transcription

December 2-6, 1995
Hotel Del Coronado
San Diego, CA

CONFERENCE CHAIRPERSON
Tom Curran / Nutley, NJ

PROGRAM COMMITTEE
Anjana Rao / Boston, MA
Danny F. Reinberg / Piscataway, NJ

CONFERENCE PROGRAM

Keynote Address
James E. Darnell / New York, NY

Repression
Jasper D. Rine / Berkeley, CA
Frank J. Rauscher, III / Philadelphia, PA
Michael S. Levine / La Jolla, CA

Signaling
Ronald M. Evans / La Jolla, CA
Anjana Rao / Boston, MA
Tom Curran / Nutley, NJ

Activation
Bernard F. Mach / Geneva, Switzerland
Robert N. Eisenman / Seattle, WA
Michael R. Green / Worcester, MA

Basic Mechanisms
Danny F. Reinberg / Piscataway, NJ
Robert Tjian / Berkeley, CA
Robert G. Roeder / New York, NY
Richard A. Young / Cambridge, MA

Cell Cycle
Joseph R. Nevins / Durham, NC
Brian Dynlacht / Charlestown, MA

Structure
Alanna Schepartz / New Haven, CT
Stephen K. Burley / New York, NY
Nikola P. Pavletich / New York, NY

Higher Order Organization
James T. Kadonaga / La Jolla, CA
Nouria Hernandez / Cold Spring Harbor, NY

Additional Speakers to be Announced

Application Deadline: September 18, 1995

Information and Application Forms:
American Association for Cancer Research
Public Ledger Building, Suite 816
150 South Independence Mall West
Philadelphia, PA 19106-3483
215-440-9300 215-440-9313 (FAX)
CANCER AND THE CELL CYCLE

Joint Conference of the American Association for Cancer Research and the Swiss Institute for Experimental Cancer Research

January 17-20, 1996
Centre Hospitalier Universitaire Vaudois (CHUV)
Lausanne, Switzerland

CONFERENCE CHAIRPERSONS
Edward E. Harlow / Charlestown, MA
Viesturs Simanis / Lausanne, Switzerland

SCIENTIFIC PROGRAM

Introduction
Tim Hunt / London, England
J. Michael Bishop / San Francisco, CA

Control of CDKs
David Beech / Cold Spring Harbor, NY
Charles J. Sherr / Memphis, TN
Stephen J. Elledge / Houston, TX
James M. Roberts / Seattle, WA
Christian Lehner / Tübingen, Germany

Coordination of S Phase and M Phase
Matthias Peter / San Francisco, CA
Paul Nurse / London, England
Kim Nasmyth / Vienna, Austria
John Diffley / Herts, England

p53
Arnold J. Levine / Princeton, NJ
David P. Lane / Dundee, Scotland
Michael B. Kastan / Baltimore, MD
Eileen White / Piscataway, NJ
Richard Lugo / Epalinges, Switzerland

The Role of myc in Life and Death
Robert Eisenman / Seattle, WA
Gerard I. Evan / London, England
Martin Ellers / Heidelberg, Germany
Bruno Amati / Epalinges, Switzerland

GI Progression in Higher Eukaryotes
Edward E. Harlow / Charlestown, MA
David M. Livingston / Boston, MA
Robert A. Weinberg / Cambridge, MA
Rene Bernards / Amsterdam, The Netherlands

Checkpoints
Andrew Murray / San Francisco, CA
Anthony Carr / Brighton, England
Ted A. Weinert / Tucson, AZ
Viesturs Simanis / Epalinges, Switzerland
Erich A. Nigg / Epalinges, Switzerland

Meeting Summary
Benjamin Lewin / Cambridge, MA

Additional Speakers to be Announced

Applicants are encouraged to submit abstracts for poster presentation.

Application deadline: October 23, 1995

Information and Application Forms
American Association for Cancer Research
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Philadelphia, PA 19106-3483
215-440-9300 215-440-9313 (FAX)
The Division of Cancer Etiology

National Cancer Institute
Announces to the Scientific Community the Availability of the Following Resources/Services for Cancer Related Research As Noted Below:

### Biological Resources

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
<th>Contact</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell Culture Identification Service</td>
<td>Using Isozyme Analysis, Immunofluorescence, Karyotypic Analysis (Chromosome Banding), Fluorescence In-Situ Hybridization and DNA Fingerprinting</td>
<td>Dr. Joseph Kaplan</td>
<td>Reasonable; inquire with specific requests.</td>
</tr>
<tr>
<td>Viruses</td>
<td>Avian, Feline, Murine, and Primate Viruses Produced in vivo and in vitro</td>
<td>Steven R. Per, Ph.D. BCB Repository</td>
<td>Reasonable; inquire with specific requests.</td>
</tr>
<tr>
<td>Monoclonal Antibodies</td>
<td>Available with specificities for synthetic peptides representing the amino acid sequences of the left end, right end and active site of the oncogene products of avian and mammalian retroviruses. Blocking peptides are also available, as are a limited number of cell lines producing the monoclonal antibodies.</td>
<td>Steven R. Per, Ph.D. BCB Repository</td>
<td>Reasonable; inquire with specific requests.</td>
</tr>
<tr>
<td>Goat Antisera</td>
<td>Avian, Bovine, Feline, Murine, and Primate intact viruses and viral proteins; Antibodies to immunoglobulins for a number of species. Preimmune sera are available to match antisera for some viruses.</td>
<td>Steven R. Per, Ph.D. BCB Repository</td>
<td>$75.00/5 ml Antisera $25.00/5 ml Preimmune Sera $65.00/100 ml Immunoglobulins (Frozen material) (Plus Shipping and Handling)</td>
</tr>
<tr>
<td>Environmental Cancer</td>
<td>The National Cancer Institute, along with the National Institute of Environmental Health Sciences, the Centers for Disease Control, and the Food and Drug Administration, has, for many years, supported a study by the Michigan Department of Public Health dealing with an accidental exposure to polybrominated biphenyls. The Michigan Long-Term PBB Study is a well-maintained longitudinal database on 4,000 participants from rural farms in Michigan. This group was exposed to polybrominated biphenyls through consumption of contaminated farm animals and food products. The cohort was enrolled and characterized in 1975-76, establishing a database containing demographic, health history, medical condition, reproductive history, blood and tissue analyses, and chemical/environmental exposure information. Major life events—birth, death, cancer and major illnesses have been confirmed and updated annually. The project has currently completed a detailed recharacterization of all cohort members and their children. Analysis of the new data is still underway. This longitudinal database is available for collaborative research investigating biological and human health outcomes from halogenated biphenyl exposure.</td>
<td>Dr. Harold E. B. Humphrey, Michigan Department of Public Health</td>
<td>Free to qualified investigators.</td>
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</table>

### Environmental Cancer

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<tbody>
<tr>
<td>NCI's Chemical Carcinogenesis Research</td>
<td>Information System (CCRIS) provides access to databases in the broad areas of chemistry, toxicology, and hazardous waste information. The CCRIS database contains a wealth of information on carcinogens, mutagens, tumor promoters, cocarcinogens, metabolites of carcinogens, and carcinogen inhibitors derived from published review articles, ongoing current awareness survey of primary literature, NCI/NIH's short- and long-term bioassay studies, the IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man, and special studies and reports.</td>
<td>Ms. Inge Blackwood</td>
<td>Inquire</td>
</tr>
<tr>
<td>The Special Assistant for Environmental Cancer</td>
<td>Office of the Director, announces the availability of a limited number of copies of the following publication, which has been prepared under contract to NCI: Survey of Compounds Which Have Been Tested for Carcinogenic Activity, PHS-149. 1991-1992.</td>
<td>Dr. Victor Fung</td>
<td>Free</td>
</tr>
</tbody>
</table>

**Note:**
- Costs are subject to change and should be confirmed with the designated contact.
- For more detailed information, please contact the specified individuals or organizations directly.
Epidemiology Resources

- The Tumor Virus Epidemiology Repository (TVER) contains sera and other biological samples from more than 13,000 patients and controls obtained in 12 countries. The TVER was established primarily to support collaborative research on the role of Epstein-Barr virus (EBV) in Burkitt's lymphoma and related diseases. Sera characterized for human herpes virus 6 (HHV-6) antibodies are also available. The TVER collection is available for new collaborative studies and some independent research. The most extensive collections are serum samples from patients with Burkitt's lymphoma.
  
  **Contact:** Dr. Charles Rabin
  
  **Viral Epidemiology Branch**
  
  **DCE, NCI, NIH**
  
  **Executive Plaza North, Room 434 Bethesda, MD 20892**
  
  **Cost:** Free to Collaborating Investigators; Others: $70/cell line.

- The Epidemiology and Biostatistics Program of the National Cancer Institute (NCI) has developed an Occupational Mortality Analysis software system which calculates Proportionate Mortality Ratios (PMR), Proportionate Cancer Mortality Ratios (PCMR), or Mortality Odds Ratios (MOR) using the occupational information on the death certificates from 24 states for 1984-1989. The mortality data were assembled through a collaborative effort involving the National Center for Health Statistics, the National Institute for Occupational Safety and Health, and the NCI. The program is user friendly and allows the user to analyze the data by (1) occupation, industry, or occupation/industry combinations; (2) exposures (20 chemicals); (3) age groups; (4) states or geographic regions; (5) race groups (black and white); and (6) sex, using reference populations based on U.S. general population or special population custom prepared from the 24 states.
  
  **Contact:** Mustafa Dosemeci, Ph.D.
  
  **Occupational Studies Section**
  
  **EEB, DCE, NCI, NIH**
  
  **Building EPN, Room 418 Bethesda, MD 20892-7364**
  
  **Cost:** Free

Chemical Resources

- Analytical support for the collection, separation, and elucidation of environmental carcinogens, including combustion and smoking-related exposures. A contractor with experience in the development of analytical methods for the determination of constituents of cigarette smoke and cigarette smoke condensates, and of specialty instrumentation for inhalation toxicology is available to assist qualified investigators with particular interest in human and animal model exposure to environmental and sidestream smoke. Extensive chemical information on smoke and smoke condensate components is available.
  
  **Contact:** Harold Seifried, Ph.D.
  
  **Chemical and Physical Carcinogenesis Branch**
  
  **DCE, NCI, NIH**
  
  **Executive Plaza North, Room 700 Bethesda, MD 20892**
  
  **Cost:** Inquire

- Chemical Carcinogen Reference Standard Repository: Reference quantities of over 750 compounds are available. The newest additions are dilute aqueous standards of PAH deoxyguanosine-3'-monophosphates for Randerath's post labelling assays. Other classes of available compounds are: food mutagens, polynuclear aromatic hydrocarbons (PAH), PAH metabolites, radioiodinated PAH metabolites, nitrogen heterocycles, nitrosamines/nitrosamides, aromatic amines, aromatic amine metabolites, azo/azo aromatics, inorganics, nitroanomers, pesticides, pharmaceuticals, natural products, dyes, dioxins and chlorinated aliphatics. A number of radioiodinated PAH adducts, metabolites and nitrosamines are also available. Data sheets provided with the compounds include chemical and physical properties, analytical data, hazards, storage, and handling information. Catalog available upon request.
  
  **Contact:** Manager, NCI Chemical Carcinogen Repository
  
  **Midwest Research Institute**
  
  **425 Volker Boulevard Kansas City, MO 64110**
  
  **(816) 753-7600, Ext. 523**
  
  **(816) 753-3664 FAX**
  
  **Manager, NCI Radioiodinated Chemical Repository**
  
  **CHEMSYN Science Laboratories**
  
  **13605 W. 96th Terrace Lenexa, KS 66215**
  
  **(913) 541-0525**
  
  **(913) 889-3382 FAX**

  **Cost:** Subject to chemical class code and quantity (see catalog). Includes handling and shipping charges.
AMERICAN ASSOCIATION FOR CANCER RESEARCH
SCIENTIFIC CONFERENCES

OCTOBER 14-18, 1995
Cytokines and Cytokine Receptors
Chairperson: Steven Gillis, Seattle, WA
The Sagamore, Bolton Landing (Lake George), NY

NOVEMBER 5-9, 1995
Cancer: The Interface Between Basic and Applied Research
Chairpersons: Bert Vogelstein, Baltimore, MD; Stephen H. Friend, Seattle, WA; John D. Minna, Dallas, TX
Stouffer Harbortplace Hotel, Baltimore, MD

NOVEMBER 17-21, 1995
Novel Strategies Against Resistant Cancers
Chairpersons: Victor Ling, Toronto, Ontario, Canada; Daniel D. Von Hoff, San Antonio, TX
Sanibel Harbour Resort & Spa, Ft. Myers, FL

DECEMBER 2-6, 1995
The Molecular Basis of Gene Transcription
Chairperson: Tom Curran, Nutley, NJ
Hotel Del Coronado, San Diego, CA

JANUARY 17-20, 1996
Cancer and the Cell Cycle
Joint Meeting with the Swiss Institute for Experimental Cancer Research
Chairpersons: Edward E. Harlow, Charlestown, MA; Viesturs Simanis, Lausanne, Switzerland
Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland

FEBRUARY 19-25, 1996
Cancer Susceptibility Genes and Molecular Carcinogenesis
Chairpersons: Curtis C. Harris, Bethesda, MD; Allan Balmain, Glasgow, Scotland; Kenneth Olden, Research Triangle Park, NC
Keystone Resort, Keystone, CO

MARCH 1-5, 1996
Proteases and Their Inhibitors in Cancer
Chairpersons: Lynn M. Matrisian, Nashville, TN; Bonnie F. Sloane, Detroit, MI
Marriott's Bay Point Resort, Panama City Beach, FL

APRIL 20-24, 1996
87th Annual Meeting
Chairperson: Lorraine J. Gudas, New York, NY
Washington D.C. Convention Center, Washington, D.C.
Abstract Deadline: December 1, 1995

JUNE 8-12, 1996
Inducible Genomic Responses
Chairpersons: William T. Beck, Memphis, TN; John A. Hickman, Birmingham, England; Richard I. Morimoto, Evanston, IL
Skamania Lodge, Stevenson (Columbia River Gorge), WA

OCTOBER 2-6, 1996
Novel Approaches in Blood and Marrow Transplantation
Second Annual Meeting of the American Society for Blood and Marrow Transplantation
Chairpersons: O. Michael Colvin, Baltimore, MD; Bruce R. Blazar, Minneapolis, MN
Hotel Del Coronado, San Diego, CA

OCTOBER 6-9, 1996
Carcinogenesis from Environmental Pollution: Assessment of Human Risks and Strategies for Prevention
Joint Meeting with International Agency for Research on Cancer
Chairpersons: Frederica Perera, New York, NY; Paul Kleihues, Lyon, France
Hotel Gellért, Budapest, Hungary

OCTOBER 19-23, 1996
Programmed Cell Death
Chairperson: Stanley J. Korsmeyer, St. Louis, MO
The Sagamore, Bolton Landing (Lake George), NY

NOVEMBER 16-20, 1996
Disrupted Transcription Factors in Cancer
Chairpersons: Peter K. Vogt, La Jolla, CA; Frank J. Rauscher III, Philadelphia, PA
Hotel Del Coronado, San Diego, CA

AACR members will receive brochures on the above special conferences as soon as they are available. Nonmembers should call or write:
American Association for Cancer Research
Public Ledger Building, Suite 816
150 South Independence Mall West
Philadelphia, PA 19106-3483
215-440-9300 • 215-440-9313 (FAX)
Cancer Susceptibility Genes and Molecular Carcinogenesis

February 19-25, 1996
The Keystone Resort, Keystone, Colorado

CONFERENCE CHAIRPERSONS
Allan Balmain / Glasgow, Scotland
Curtis C. Harris / Bethesda, MD
Kenneth Olden / Research Triangle Park, NC

SCIENTIFIC PROGRAM

Keynote Address
Harold E. Varmus / Bethesda, MD

Genetic Susceptibility of Animal Models - Inbred Strains
William F. Dove / Madison, WI
Norman R. Drinkwater / Madison, WI
Cheryl Lyn Walker / Smithville, TX
Peter Demant / Amsterdam, The Netherlands

Genetic Susceptibility of Animal Models - Transgenic and Knockout
Douglas Hanahan / San Francisco, CA
Tyler E. Jacks / Cambridge, MA
Michael P. Rosenberg / Research Triangle Park, NC

Genetic Susceptibility of Humans - Xenobiotic Metabolism
Frank J. Gonzalez / Bethesda, MD
Fred F. Kadlubar / Jefferson, AR
Peter G. Shields / Bethesda, MD
C. Roland Wolf / Dundee, Scotland

Genetic Susceptibility of Humans - DNA Repair
Isabel Mellon / Lexington, KY
Jan H. Hoeijmakers / Rotterdam, The Netherlands
Richard D. Kolodner / Boston, MA

Genetic Susceptibility of Humans - Tumor Suppressor Genes
David P. Lane / Dundee, Scotland
Louise C. Strong / Houston, TX
Curtis C. Harris / Bethesda, MD
Richard D. Klausner / Bethesda, MD

Senescence and Terminal Differentiation
J. Carl Barrett / Research Triangle Park, NC
Jerry W. Shay / Dallas, TX
Jennifer A. Pietenpol / Nashville, TN
Harold L. Moses / Nashville, TN

Applicants are encouraged to submit abstracts for poster presentation.

Application deadline: November 3, 1995

Information and Application Forms
American Association for Cancer Research
Public Ledger Building, Suite 816
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Philadelphia, PA 19106-3483
215-440-9300 215-440-9313 (FAX)
At the University of Colorado Cancer Center (UCCC), 288 research scientists, clinicians, and professionals search for answers to the mysteries of a disease that now strikes more than one million people every year. The UCCC was formed in 1986 and became a “center” within the University organizational structure in 1987. That same year, it also became one of 50 National Cancer Institute (NCI)-designated cancer centers in the nation, and it has grown steadily since its inception.

Although the UCCC is a part of the School of Medicine of the University of Colorado Health Sciences Center (UCHSC), its membership and boundaries extend far beyond the UCHSC campus. From the outset, the center had participation from numerous institutions, which form the UCCC board. They include the UCHSC Schools of Medicine, Pharmacy, Nursing, and Dentistry; University Hospital; the Denver Department of Veterans Affairs Medical Center; The Children’s Hospital; Denver General Hospital; Rose Medical Center; the Eleanor Roosevelt Institute for Cancer Research; AMC Cancer Research Center; National Jewish Center for Immunology and Respiratory Medicine; The Cancer League of Colorado; and the Colorado Department of Health. The center also has a Community Advisory Board, which consists of members of the public who have an interest in the cancer problem.

Four divisions comprise the UCCC: basic research, clinical activities, education, and cancer prevention and control. Each division is then separated into specialty programs, to which Cancer Center members belong. UCCC members provide care to approximately one-third of the cancer population in the region and enter more than 3000 patients into clinical cancer trials each year. Research at the center is supported by 14 shared “core” facilities, which offer services to members at a reduced rate. In general, these services are too expensive or too highly technical for each member to have. They include biostatistics; clinical investigations; cytogenetics; fermentation; flow cytometry; tissue procurement; laboratory animals/transgenic animals; radiological sciences; recombinant antibody; tissue culture/monoclonal antibodies; DNA sequencing; immunology; protein microsequencing; and oligonucleotide synthesis.

Among the scientific contributions that UCCC members have made are the development of nomenclature for chromosomes; the discovery of the T-cell antigen receptor; the mapping of 100 genes; the discovery of proteins involved in mitosis and the mitotic phase of the cell cycle; the discovery of the role of a new hormone treatment in prostate cancer; and refinements in the role of bone marrow transplants in breast cancer. In the past few years, major accomplishments include the study of a process to collect bone marrow stem cells that shortens the recovery following autologous bone marrow transplantation; the discovery of proteins involved in cell division (mitosis); the study of programmed cancer cell death induced by lymphocytes; and the evaluation of new drugs involved in lung cancer growth.

A sampling of research being conducted by the UCCC programs includes the study of the nature and role of cell-cell interactions in normal and malignant growth and differentiation; the development of an accurate method for measurement of mutations produced in mammalian cells by physical, chemical, and biological methods; the study of the role of progesterone and estrogen in causing and maintaining breast cancer; T-cell receptors and T-cell differentiation; regulation of transcription; biological response modifiers; the studies of DNA and chromatin structure and its rearrangements; and regulation of gene transcription and molecular virology; the treatment of AIDS-related malignancies; prevention, screening, and early detection of lung cancer; and research on the use of photodynamic therapy in patients with esophageal and bronchogenic carcinomas.

Paul A. Bunn, Jr. (cover), has been the UCCC Director since its inception. Dr. Bunn is a recognized expert on lung cancer and is currently President of the International Association for the Study of Lung Cancer. He is also President of the Association of American Cancer Institutes (AACI). Dr. Bunn received his M.D. from Cornell University and was a senior investigator at the NCI before joining the UCHSC as a Professor of Medicine in 1984. He has published nearly 170 original research articles, 46 reviews, 4 books, and over 60 book chapters. Dr. Bunn has served as an Associate Editor for several journals, including Cancer Research since 1992, and he is a member of the Editorial Advisory Board of the AACR’s newest journal, Clinical Cancer Research. He has been an AACR member since 1977 and has served on several committees for the Association, including the Program Committee and Awards Committee. He is currently Chairperson of a new standing committee, the AACR/AACI Committee, whose charge is to strengthen interactions between these two organizations in a number of areas of mutual interest and concern, especially public education.

As it moves toward the medical challenges of the next century, the UCCC continues to expand programs and recruit highly skilled researchers and clinicians. Its anticipated new outpatient cancer center and radiation oncology center, along with increasing membership and grants, are encouraging signs that the Rocky Mountain region’s only NCI-designated cancer center will continue to be a leader in cancer research, education, prevention, and patient care.

We thank Dr. Bunn and the staff of the UCCC for providing us with information and the photographs for this feature. The building accompanying Dr. Bunn’s photo on the cover is the new Biomedical Research Building of the UCHSC, in which some of the UCCC offices and research laboratories are housed.

Sidney Weinhouse