

AUTHOR INDEX

November 1, 1990

- Abbruzzese, J., 6823
 Abrams, M. J., 6971
 Aioldi, L., 6870
 Ali-Osman, F., 6976
 Ando, D. T., 7042
 Andreasen, P., 6827
 Anumula, K. R., 6787
 Apfel, R., 6981
 Arbuck, S. G., 6854
 Archer, M. C., 6955
 Ashihara, T., 7008
 Azuma, M., 7062

 Bagnati, R., 6870
 Baguley, B. C., 6966
 Baldew, G. S., 7031
 Baserga, R., 6769
 Battista, P., 6987
 Baumgartner, K. J., 6811
 Baylink, D. J., 6902
 Beardmore, C., 6919
 Behl, C., 6981
 Bender, L. I., 7081
 Benedict, W. F., 7085
 Berek, J. S., 6959
 Besa, E. C., 6876
 Beuscart, R., 6931
 Bharathan, S., 6800
 Bjelfman, C., 6908
 Bjelke, E., 6836
 Bloedow, D. C., 7068
 Blot, W. J., 6836
 Bogdahn, U., 6981
 Bonfanti, M., 6870
 Bonnetterre, J., 6931
 Braun, J., 7042, 7050
 Braun, L., 7023
 Brown, R., 6841
 Bruce, W. R., 6955
 Brucker, A., 6894
 Bunn, P. A., Jr., 7068
 Burstein, N. A., 6848

 Cain, D. R., 7081
 Caltabiano, M. M., 6787
 Campbell, T. C., 6882
 Carter, B. S., 6830
 Case, D. C., Jr., 6833
 Chen, J., 6882
 Chen, S., 6949
 Ching, L.-M., 6966
 Chung, F.-L., 6817
 Claflin, G., 6848
 Co Chien, H. T., 6836
 Cohen, J. S., 6936
 Colasante, A., 6987
 Comstock, K. E., 6848
 Corpet, D. E., 6955
 Costantini, R. M., 6987
 Cronauer, M. V., 7037
 Curia, M. C., 6987

 D'Arpa, P., 6919
 Daxenbichler, G., 7037
 de Goeij, J. J. M., 7031
 Demaille, A., 6931
 Denis, K. A., 7042
 Dezube, B. J., 6806
 Diddens, H., 6793
 Diehl, V., 6944
 Dienhart, D. G., 7068
 Doppler, W., 7037
 Dorsk, B. M., 6833

 Drenkard, D., 6981
 Duffy, M. J., 6827

 Eder, J. P., 6806
 Ehrlich, K. C., 6865
 Ehrlich, M., 6865
 Eibl, B., 7037
 Elkind, K., 6817
 Engert, A., 6944
 Epstein, J. I., 6830
 Ervin, T. J., 6833
 Evans, W. E., 6854

 Fanelli, R., 6870
 Fausto, N., 7023
 Felsher, D. W., 7042, 7050
 Fennelly, J. J., 6827
 Fleming, R. A., 6854
 Frati, L., 6987
 French, D., 6987
 Frese, G., 6793
 Fujika, K., 7003
 Fujiwara, T., 7003
 Fujiki, H., 7085

 Galli, A., 6870
 Gams, R., 6833
 Gariboldi, P., 6870
 Gekeler, V., 6793
 Gerber, M., 6833
 Glenn, S. D., 7068
 Goldberg, H., 6876
 Goldfarb, S., 6779
 Greiter, E., 7037
 Gridley, G., 6836
 Grove, J. S., 7084
 Grunewald, R., 6823
 Guo, Y.-S., 6772
 Guo, Z., 6817

 Handgretinger, R., 6793
 Harris, C. C., 7085
 Hartmann, F., 6944
 Hayes, D. M., 6833
 Hedborg, F., 6908
 Henner, W. D., 6848
 Henry, H. L., 6857
 Herman, T. S., 6971
 Herring, S. J., 6902
 Hoehn, H., 6981
 Hsing, A. W., 6836
 Hynes, N. E., 7037

 Imanishi, J., 7008
 Isaacs, W. B., 6830
 Ishida, T., 7077
 Isoe, T., 6925
 Ito, T., 6915

 Jacoby, L. B., 6783
 Jakesz, R., 7057
 Jaroszewski, J. W., 6936
 Johansson, I., 6908
 Jones, P. A., 7081

 Kaneko, S., 7077
 Kantarjian, H., 6823
 Kaplan, O., 6936
 Kardos, G., 6793
 Kasliwal, R., 7068
 Kato, S., 6915

 Keating, M. J., 6823
 Keenan, E. J., 6848
 Keith, W. N., 6841
 Kimmig, A., 6793
 Kline, T. F., 6787
 Koeffler, H. P., 6857
 Kortright, K., 7068
 Koyama, K., 7008
 Kunz, W., 7015
 Kurimura, T., 6915

 Lane, B., 6995
 Lear, J. L., 7068
 Lesti, G., 6987
 Li, J., 6882
 Linkhart, T. A., 6902
 Liu, C., 6882
 Liu, L. F., 6919
 Loeb, L. A., 6894
 Los, G., 7031
 Lusk, E., 6876

 Magagnotti, C., 6870
 Mammarella, S., 6987
 Mannervik, B., 6848
 Marth, C., 7037
 Martin, D. A., 7023
 Martin, R., 6981
 Martinez-Maza, O., 6959
 Martuza, R. L., 6783
 Maru, M., 6915
 Matsuoka, J., 7003
 McCaffrey, J., 6811
 McLaughlin, J. K., 6836
 McVie, J. G., 7031
 Mead, J. E., 7023
 Medline, A., 6955
 Mee, P. J., 6841
 Miller, G. J., 7068
 Minkin, S., 6955
 Mitsudomi, T., 7077
 Mohan, S., 6902
 Moll, U. M., 6995
 Momose, H., 7062
 Moody, C. E., 6800
 Moore, J., 6876
 Moran, P., 7068
 Moret, M., 6870
 Moriarty, J., 6800
 Morse, M. A., 6817
 Müller-Holzner, E., 7037
 Muraro, R., 6987
 Murphy, J. R., 7068

 Nagase, H., 6995
 Nakajima, K., 6915
 Narayan, S., 6772
 Neumann, M., 6793
 Neumeister, B., 7057
 Nichols, P. W., 7081
 Niethammer, D., 6793
 Nomura, A., 7084
 Nordenskjöld, M., 6908
 Norman, A. W., 6857
 Nowell, P. C., 6876

 Oh-hara, T., 6925
 O'Higgins, N., 6827
 Ohtsuji, E., 7008
 Olumi, A. F., 7081
 Onoda, T., 7003
 Orita, K., 7003

 O'Sullivan, C., 6827
 Oyasu, R., 7062

 Pahlman, S., 6908
 Pardee, A. B., 6806
 Parpia, B., 6882
 Perkel, V. S., 6902
 Peyrat, J. P., 6931
 Pfreundschuh, M., 6944
 Plunkett, W., 6823
 Pohl, C., 6944
 Pompon, D., 6949
 Poot, M., 6981
 Pugh, T. D., 6779
 Pulaski, K., 6783

 Reilly, D., 6827
 Reiner, A., 7057
 Reiner, G., 7057
 Renwick, A., 6976
 Rhim, S.-H., 7050
 Roebuck, B. D., 6811
 Rosbe, K. W., 6971
 Rosini, S., 6987
 Rouleau, G. A., 6783

 Sacco, R., 6987
 Sahin, U., 6944
 Sakagami, K., 7003
 Sanderson, B. J. S., 6848
 Schemper, M., 7057
 Schmelter, R. F., 7068
 Scholz, W., 7015
 Schuman, L. M., 6836
 Schütze, K., 7015
 Schwarz, M., 7015
 Seligman, P., 7068
 Sensintaffar, J. L., 6959
 Senter, P., 6944
 Severson, R. K., 7084
 Shea, T. C., 6848
 Sherblom, A. P., 6800
 Shiozaki, S., 7003
 Singh, P., 6772
 Skelly, C. M., 6800
 Skinner, D. G., 7081
 Smith, T. J., 6817
 Spona, J., 7057
 Stamp, D., 6955
 Stein, D. E., 6976
 Stemmermann, G. N., 7084
 Stewart, C. F., 6854
 Stroup, G. B., 6787
 Sugimachi, K., 7077
 Sugimoto, Y., 6925
 Supakar, P. C., 6865
 Suzuki, K., 6995

 Takada, Y., 7003
 Tarassoff, P., 6823
 Tateishi, M., 7077
 Teicher, B. A., 6971
 Thielmann, H. W., 6894
 Thomas, P. E., 6817
 Thomsen, L. L., 6966
 Townsend, C. M., Jr., 6772
 Toyoshima, K., 7085
 Tsai, Y. C., 7081
 Tsukahara, S., 6925
 Tsuruo, T., 6925

 Uchida, S., 7003

AUTHOR INDEX

Uskokovic, M. R., 6857
van der Valk, M. A., 7031
Vermeulen, N. P. E., 7031
Wacholder, S., 6836

Wakamiya, N., 6915
Wang, D-Q., 6915
Watson, J. M., 6959
Weilbach, F. X., 6981
Weiss, D., 7042

Wu, K., 6865
Yamaguchi, N., 7008
Yamamura, Y., 7008
Yang, C. S., 6817

Zeimet, A. G., 7037
Zhang, X-Y., 6865
Zhou, D., 6949
Zhou, J. Y., 6857
Zucker, S., 6995



AMERICAN ASSOCIATION FOR CANCER RESEARCH

INFORMATION ON APPLICATION FOR ACTIVE AND CORRESPONDING MEMBERSHIP

BENEFITS OF MEMBERSHIP

The American Association for Cancer Research (AACR) is a scientific society consisting of laboratory and clinical cancer researchers. It was founded in 1907 "to bring together active investigators of the cancer problem for presentation and discussion of new or significant observations; and to foster research in cancer and other phenomena of growth." Members of the AACR enjoy the following benefits:

1. subscriptions to the journals *Cancer Research* and *Cell Growth & Differentiation* at the reduced member rate;
2. the privilege of sponsoring an abstract for presentation at the AACR annual meeting;
3. an advance copy of the Program and *Proceedings* pertaining to each annual meeting;
4. a reduced registration rate at all scientific meetings;
5. early notification of events in the AACR's series of special conferences;
6. subscriptions to any future AACR journals at reduced member rates;
7. reduced rates for the AACR Employment Register;
8. the benefit of AACR's public education activities;
9. the receipt of AACR newsletters, meeting announcements, and an up-to-date membership directory.

QUALIFICATIONS FOR MEMBERSHIP

Active membership in the AACR is open to investigators who live in the Americas, and who have conducted two years of meritorious research that has resulted in publications relevant to cancer. If a candidate is working in a research area not directly related to the cancer field but has conducted research of exceptional scientific merit, he or she may also qualify for membership.

Corresponding membership is open to qualified persons who are not residents of the Americas. The requirements for corresponding membership are the same as those for active membership. Visiting scientists from outside the Americas who intend to return to their countries of origin soon after submitting their applications should apply for corresponding membership. All other individuals should apply for active membership and transfer to corresponding status at a later date if they should leave the Americas.

PROCEDURES FOR APPLICATION

There are three deadlines for receipt of a membership application: March 1, July 1, and October 1 of each year. The Membership Committee will review all complete applications for active membership that have been received by these deadlines and will submit recommendations on each candidate to the Board of Directors which formally elects all members. The same procedure is followed by the Special Memberships Committee which receives applications for corresponding membership. Candidates will be notified according to the following schedule:

<u>Receipt of Application in AACR Office</u>	<u>Notification of Candidate</u>
March 1	May
July 1	September
October 1	December

A complete application consists of the following material:

1. 6 copies of the form on the opposite side of this page, with all requested information provided.

2. 5 copies of the candidate's most current curriculum vitae and bibliography.
3. 5 copies of a letter of recommendation from a nominator who is an active, emeritus, or honorary member of the AACR (at least one copy must be a signed, original letter). This letter should describe the candidate's achievements in laboratory research, clinical investigations, or epidemiological research, and it should affirm that this research adheres to accepted ethical standards.—OR—The nominator may supply the responses requested at the bottom of the application form in the section entitled "STATEMENT OF SUPPORT" (at least one copy of the form must be the signed original).
4. 5 copies of a letter of recommendation as described in Item 3. above from a seconder who is an active, emeritus, or honorary member of the AACR (at least one copy must be a signed, original letter).—OR—The seconder may supply the responses requested at the bottom of the application form in the section entitled "STATEMENT OF SUPPORT" (at least one copy of the form must be the signed original).
5. 5 reprints of each of two publications on which the candidate appears as author.

All material should be collated into five complete sets with the original application form as a covering document and sent to the address given below. Questions regarding procedures for membership application may also be directed to the following address:

American Association for Cancer Research
Public Ledger Building
Suite 816
6th & Chestnut Streets
Philadelphia, PA 19106
215/440-9300

RESPONSIBILITIES OF MEMBERSHIP

Candidates should be aware of the following responsibilities of membership in the AACR. Active members must pay annual dues, a major portion of which is designated for a subscription to at least one of the AACR's publications. Newly elected members of the AACR who have already purchased subscriptions to *Cancer Research* or *Cell Growth & Differentiation* at the higher, nonmember rate will receive reimbursement of the unused portion of those subscriptions once their first year's membership dues are paid in full.

All corresponding members elected after May 23, 1985, are required to pay an annual assessment in lieu of dues. This assessment, which is equivalent to that portion of the regular dues that pertains to support of activities other than publications, is imposed to defray the cost of sending AACR publications to members outside the Americas. Corresponding members may, if they wish, subscribe to *Cancer Research* or *Cell Growth & Differentiation* at the reduced member rate.

Applicants elected in May will be responsible for payment of that year's dues; applicants elected in September and December will pay dues in the following year. Applicants elected in May and September will be eligible to sponsor an abstract for the next annual meeting. Every effort will be made to afford the same opportunity to applicants elected in December.

Margaret Foti
Executive Director

AMERICAN ASSOCIATION FOR CANCER RESEARCH, INC.

Public Ledger Building
Suite 816
6th & Chestnut Streets
Philadelphia, PA 19106

APPLICATION FOR MEMBERSHIP

CATEGORY OF MEMBERSHIP: Active Corresponding

NAME OF CANDIDATE: _____ DATE OF BIRTH: _____

PRESENT POSITION/TITLE: _____

INSTITUTIONAL AFFILIATION: _____

INSTITUTIONAL ADDRESS: _____

(City) (State/Province) (Country) (Postal Code)

TELEPHONE NUMBER: _____

FAX NUMBER: _____

PRIMARY FIELD OF RESEARCH (Please check only one):

- | | | |
|---|--|---|
| <input type="checkbox"/> Biochemistry and Biophysics | <input type="checkbox"/> Biostatistics | <input type="checkbox"/> Carcinogenesis |
| <input type="checkbox"/> Cellular Biology and Genetics | <input type="checkbox"/> Clinical Investigations | <input type="checkbox"/> Endocrinology |
| <input type="checkbox"/> Epidemiology | <input type="checkbox"/> Immunology | <input type="checkbox"/> Molecular Biology and Genetics |
| <input type="checkbox"/> Preclinical Pharmacology and Experimental Therapeutics | | |
| <input type="checkbox"/> Virology | <input type="checkbox"/> Other: _____ | |

(Please specify)

ACADEMIC DEGREES (Including where and when granted)

EXPERIENCE SINCE HIGHEST DEGREE WAS GRANTED (Please list most recent first)

PUBLICATIONS (Reprints of two articles on which the candidate appears as an author must accompany this application. For these two articles list the authors, title, journal, volume, inclusive pages, and year. Do not submit abstracts.)

CANDIDATE NOMINATED BY: _____
(Please type or print)

CANDIDATE SECONDED BY: _____
(Please type or print)

STATEMENT OF SUPPORT (in place of letters of recommendation)

Instead of submitting letters of recommendation, either the nominator or the seconder or both may complete the following section:

How long has the candidate worked in the field of cancer research? ___ years

Will the candidate make a long-term contribution to cancer research? ___ Yes ___ No

Does the candidate's research adhere to accepted ethical standards? ___ Yes ___ No

I therefore recommend this candidate for membership in the American Association for Cancer Research.

How long has the candidate worked in the field of cancer research? ___ years

Will the candidate make a long-term contribution to cancer research? ___ Yes ___ No

Does the candidate's research adhere to accepted ethical standards? ___ Yes ___ No

I therefore recommend this candidate for membership in the American Association for Cancer Research.

Signature of nominator *

Date

Signature of seconder

Date

See Guidelines for Application on the reverse side of this form for further instructions.

* Nominators must be active, emeritus, or honorary members of the AACR.



AMERICAN ASSOCIATION FOR CANCER RESEARCH

GUIDELINES FOR APPLICATION FOR ASSOCIATE MEMBERSHIP

QUALIFICATIONS FOR MEMBERSHIP

Associate membership is open to graduate students, medical students, postdoctoral fellows, and physicians in training who live in the Americas and who are following a course of study or who are working in a research program relevant to cancer.

BENEFITS OF MEMBERSHIP

The American Association for Cancer Research (AACR), a scientific society consisting of laboratory and clinical cancer researchers, was founded in 1907 "to bring together active investigators of the cancer problem for presentation and discussion of new or significant observations; and to foster research in cancer and other phenomena of growth." Associate members of the AACR enjoy the following benefits:

1. the privilege of sponsoring an abstract for presentation at the AACR annual meeting provided that (a) the associate member is the presenter of the abstract and (b) an active member in good standing of the AACR also signs the abstract in support of the work (In this instance, the active member who co-signs the abstract does not lose his or her own sponsorship privilege.);
2. an advance copy of the Program and (if one has been purchased by the associate member) the *Proceedings of the American Association for Cancer Research* which contains abstracts of all papers being presented at each annual meeting;
3. the privilege of registering for the annual meeting at the low student rate (This rate is otherwise available only to predoctoral students.);
4. preferred access to the AACR Employment Register;
5. an optional subscription to the journal *Cancer Research* at the reduced member rate;
6. subscriptions to any future AACR journals at reduced member rates;
7. early notification of events in the AACR's new series of small scientific meetings on timely scientific topics;
8. the receipt of AACR newsletters, meeting announcements, and an up-to-date membership directory; and
9. the facilitation of informal scientific exchange with leading researchers in the cancer field.

PROCEDURES FOR APPLICATION

Persons wishing to apply for associate membership must use the official application form on the reverse side of these instructions. Each candidate for associate membership must be nominated by an active member in good standing of the AACR. Three completed copies of the form should be submitted; at least one of these copies must carry the original signatures of both the candidate and the active member nominator. The application form may be submitted

to the Association Office at any time. After review of applications for associate membership, the Executive Director will notify candidates of their election or deferral within one month of the receipt of the application form. A check in the amount of \$20, which represents one year's dues payment, must accompany the application. This fee will be refunded to any candidate deemed to be ineligible for associate membership. Checks should be in U.S. currency, made payable to AACR, Inc., and drawn on a U.S. bank. Send the three copies of the application form and the \$20 dues payment to:

American Association for Cancer Research
Public Ledger Building
Suite 816
6th & Chestnut Streets
Philadelphia, PA 19106
215/440-9300

RESPONSIBILITIES OF MEMBERSHIP

Associate members must pay annual dues in an amount to be determined by the AACR Board of Directors. Dues for 1989 have been set at \$20 per year. If an application is submitted by August 31, the accompanying dues payment will be credited to the current year. Candidates submitting applications between September 1 and December 31 may indicate whether they wish their dues payments credited to the current or forthcoming year. Candidates should be aware, however, that associate members may sponsor an abstract for the annual meeting only if their dues for the current year are paid. For example, an associate member submitting an abstract in December 1989 for the forthcoming annual meeting must have paid dues for 1989. Any newly elected associate members of AACR who have already purchased subscriptions to *Cancer Research* at the higher, nonmember rate will receive a refund for the unused portion of that subscription upon receipt of their payment for a member's subscription.

Each Fall the AACR will send to current associate members an invoice for dues for the forthcoming year. Payment of this invoice must be accompanied by a statement signed by the associate member's registrar, dean, or department head, verifying the member's current academic status. The Association's By-Laws state that dues are payable for each year in advance on or before January 1 of that year. An individual may be an associate member for a maximum of five years. Each year in which an individual pays dues will count as one full year of associate membership. Thus, an associate member who pays dues for 1989 may retain associate membership until December 31, 1993. The Board of Directors may terminate the membership of any associate member whose dues are in arrears for two years.

Margaret Foti,
Executive Director

AMERICAN ASSOCIATION FOR CANCER RESEARCH, INC.

Public Ledger Building
Suite 816
6th & Chestnut Streets
Philadelphia, PA 19106

APPLICATION FOR ASSOCIATE MEMBERSHIP

NAME OF CANDIDATE: _____ DATE OF BIRTH: _____

INSTITUTIONAL AFFILIATION: _____

INSTITUTIONAL ADDRESS: _____

(City) (State/Province) (Postal Code) (Country)

TELEPHONE NUMBER: _____

FAX NUMBER: _____

PRESENT ACADEMIC STATUS/TITLE: (Please check only one):

Graduate Student Medical Student
 Physician in Training Postdoctoral Fellow

PRIMARY FIELD OF RESEARCH (Please check only one):

Biochemistry and Biophysics Biostatistics Carcinogenesis
 Cellular Biology and Genetics Clinical Investigations Endocrinology
 Epidemiology Immunology Molecular Biology and Genetics
 Preclinical Pharmacology and Experimental Therapeutics
 Virology Other: _____

(Please specify)

ACADEMIC DEGREES (Please indicate degree(s) acquired to date along with the name of the academic institution and date of receipt. Provide information on degree currently being sought and the anticipated date of completion of this degree program.)

RELEVANT RESEARCH EXPERIENCE NOT RELATED TO COURSE WORK (Please list most recent first.)

PUBLICATIONS (List the authors, title, journal, volume, inclusive pages, and year of any article in a peer-reviewed journal on which the candidate appears as an author. Do not list abstracts. Continue on a separate sheet, if necessary.)

CANDIDATE NOMINATED BY: _____
(Please type or print name of AACR active member in good standing.)

SIGNATURES

I hereby apply for associate membership in the American Association for Cancer Research. I have read the instructions on the reverse side of this form, and I understand the privileges and responsibilities of this class of membership. I certify that the statements on this application are true.

Signature of Candidate: _____ Date: _____

I recommend this candidate for associate membership in the American Association for Cancer Research. To the best of my knowledge, the candidate is qualified for this class of membership, and the statements on this application are true.

Signature of Nominator: _____ Date: _____

Submit three copies of this form. At least one copy must contain the original signatures of the candidate and the nominator. Enclose a check for \$20 in U.S. funds made payable to AACR, Inc. and drawn on a U.S. bank. Check one of the following boxes *only* if this form is being submitted between September 1 and December 31:

The enclosed dues payment should be applied to the

current forthcoming calendar year.

(NOTE: If dues are applied to the forthcoming year, membership will take effect on January 1.) See Guidelines for Application on the reverse side of this form for further instructions.



AACR SPECIAL CONFERENCE IN CANCER RESEARCH

Membrane Transport in Multidrug Resistance, Development, and Disease

(co-sponsored by the National Cancer Institute of Canada)

March 10-14, 1991
Banff Centre, Banff, Alberta, Canada

CONFERENCE COCHAIRPERSONS

SUSAN B. HORWITZ / Bronx, NY VICTOR LING / Toronto, Ontario, Canada

PROGRAM COMMITTEE

GIOVANNA F.-L. AMES / Berkeley, CA CAROL E. CASS / Edmonton, Alberta, Canada
ANNA MARIA CASAZZA / Wallingford, CT PHILIPPE GROS / Montreal, Quebec, Canada
JOHN RIORDAN / Toronto, Ontario, Canada

SCIENTIFIC PROGRAM

The Future of Medical Genetics

VICTOR LING / Toronto, Canada
LOUIS SIMINOVITCH / Toronto, Canada

Phosphorylation and Signal Transduction

I. BERNARD WEINSTEIN / New York, NY
DAVID L. GARBERS / Nashville, TN
RANDALL R. REED / Baltimore, MD

Membrane Pumps and Channels

WILLIAM T. BECK / Memphis, TN
WILLIAM A. CATTERALL / Seattle, WA
HARVEY F. LODISH / Cambridge, MA
REINHART A. F. REITHMEIER / Toronto, Canada

Multidrug Resistance

SUSAN B. HORWITZ / Bronx, NY
IGOR B. RONINSON / Chicago, IL
TAKASHI TSURUO / Tokyo, Japan
MICHAEL M. GOTTESMAN / Bethesda, MD
BRUCE A. CHABNER / Bethesda, MD

Information and Application Forms

American Association for Cancer Research
Public Ledger Building, Suite 816
Sixth and Chestnut Streets
Philadelphia, PA 19106
215-440-9300 215-440-9313 (FAX)

The Cystic Fibrosis Gene and Its Product

RICHARD BOUCHER / Chapel Hill, NC
LAP-CHEE TSUI / Toronto, Canada
MICHAEL J. WELSH / Iowa City, IA
JOHN R. RIORDAN / Toronto, Canada

P-Glycoprotein Hemeologs and Development

PHILIPPE GROS / Montreal, Canada
PIET BORST / Amsterdam, Netherlands
JEREMY THORNER / Berkeley, CA
JAMES M. CROOP / Boston, MA
ALAN COWMAN / Melbourne, Australia

Metabolite and Drug Transport

ALAN R. P. PATERSON / Edmonton, Canada
CAROL E. CASS / Edmonton, Canada
I. DAVID GOLDMAN / Richmond, VA
STEPHEN B. HOWELL / La Jolla, CA
SHIMON SCHULDINER / Jerusalem, Israel

Permease Systems in Bacteria and Eukaryotes

ERNEST M. WRIGHT / Los Angeles, CA
GIOVANNA F.-L. AMES / Berkeley, CA
H. RONALD KABACK / Los Angeles, CA

Application Deadline:
December 3, 1990

Late applications will be accepted on a space-available basis.



AACR SPECIAL CONFERENCE IN CANCER RESEARCH

Developmental Genetics of Childhood Cancer

February 8-11, 1991

Catamaran Resort Hotel, San Diego, California

CONFERENCE CHAIRPERSON

ALFRED G. KNUDSON, JR./Philadelphia, PA

PROGRAM COMMITTEE

GARRETT M. BRODEUR/St. Louis, MO STEPHEN H. FRIEND/Charlestown, MA
WEBSTER K. CAVENEE/Montreal, PQ, Canada GEORGE F. VANDE WOUDE/Frederick, MD

SCIENTIFIC PROGRAM

Keynote Address

ALFRED G. KNUDSON, JR./Philadelphia, PA

Regulation of the Cell Cycle

IRA HERSKOWITZ/San Francisco, CA
LELAND H. HARTWELL/Seattle, WA
GEORGE F. VANDE WOUDE/Frederick, MD
JEAN Y. J. WANG/La Jolla, CA

Concepts of Development and Pattern Formation

SERGEI SOKOL/Cambridge, MA
ANTHONY P. MAHOWALD/Chicago, IL
LEWIS WOLPERT/London, England
H. ROBERT HORVITZ/Cambridge, MA

Developmental Tumors of Mesoderm

WEBSTER K. CAVENEE/Montreal, PQ, Canada
ERIC OLSEN/Houston, TX
DAVID HOUSMAN/Cambridge, MA
STEPHEN H. FRIEND/Charlestown, MA

Tumors of the Nervous System

BERND R. SEIZINGER/Boston, MA
GARRETT M. BRODEUR/St. Louis, MO
MARK A. ISRAEL/San Francisco, CA

Developmental Genetics of Hematopoietic Malignancies

CARLO M. CROCE/Philadelphia, PA
JOHN GROFFEN/Los Angeles, CA
HITOSHI SAKANO/Berkeley, CA

Information and Application Forms

American Association for Cancer Research
Public Ledger Bldg., Suite 816
Sixth and Chestnut Streets
Philadelphia, PA 19106
215-440-9300 215-440-9313 (FAX)

Application Deadline:
November 12, 1990

Late applications will be accepted on a space-available basis.