

June 1, 1988

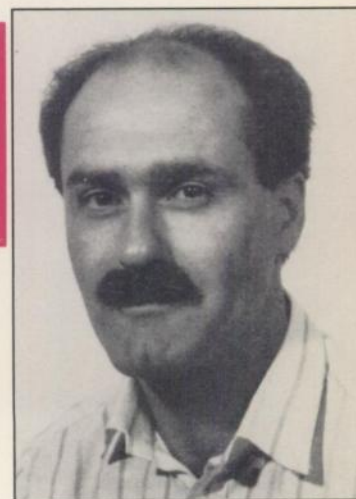
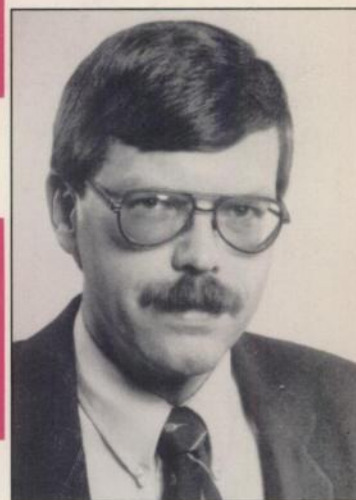
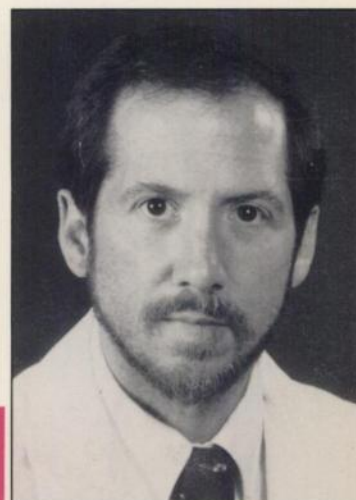


# Cancer Research

OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH

VOLUME 48 • NO. 11 • PP 2945-3299

ISSN 0008-5472 • CNREA 8



# New Approaches To The Treatment of Hormone Dependent Tumors

St. Thomas, Virgin Islands, USA. November 9-12th, 1988.

## CONVENORS

Marc E. Lippman, Medical Breast Cancer  
Section  
Robert B. Dickson

Medicine Branch  
National Cancer Institute (Bldg 10; Room  
12N226),  
Bethesda,  
Maryland 20892,  
USA.

Point of Contact and secretary to the  
Convenors: Phyllis Rand, Telephone (301)  
496 4916

The convenors will answer all your  
scientific enquiries.

## MEDICAL ADVISORY BOARD

Lance Liotta  
Marc E. Lippman  
Dan L. Longo  
Robert B. Dickson

## SCIENTIFIC PROGRAMME

The Virgin Island Seminars will act as a  
*tour de force* in major, new potential  
developments in clinical therapy. This  
current meeting will focus on such  
developments in the therapy of cancer.  
Sessions will cover:

Growth factors in the Regulation of  
Cancer;  
New Pharmacologic Therapy in the  
Regulation of Cancer;  
Tumour Necrosis Factor and other anti-  
tumour biological substances;  
Oncogenes and suppressor genes in  
Cancer;  
Antibody and Antibody Conjugates in the  
Therapy of Cancer;  
New Developments in the Control of the  
Metastatic Process.

Invited speakers include John Minna,  
Marc Lippman, Stuart Aaronson, Lewis  
Williams, John Katzenellenbogen, Jean  
Pierre Raynaud, Richard Santen, Bruce  
Beutler, Michael Spron, Patricia Donahoe,  
Suzanne Bourgeois, Roel Nusse, Robert  
Callahan, Dennis Slamon, Roberto  
Ceriani, Robert Dickson, Ira Pastan, John  
Mendlesohn, Jeffrey Schlom, Lance Liotta,  
Garth Nicolson, Dan Longo and James  
Batty.

Additionally, facilities are available for  
open poster sessions.

## DEADLINE FOR SUBMISSION OF POSTER DETAILS

All contributions for poster sessions must  
be sent in abstract form to the convenors  
by July 1st 1988.

## POSTER PREPARATION

Posters can be prepared for you and set  
up at the meeting for a total cost of £45.00  
pounds sterling. When your poster  
concept has been accepted by the  
convenors please send detailed outlines  
of your poster together with instructions  
for art-work, enclosing photographs in  
duplicate to Medical and Scientific  
Conferences Ltd. Enclose with these  
instructions a cheque made out to  
Medical and Scientific Conferences Ltd.  
and drawn on any bank in the UK. Your  
bank will advise you on this very simple  
procedure. Since the decision to accept a  
poster contribution will of necessity take  
place after payment of registration fee,  
payment for the poster must be made as a  
separate payment item on presentation of  
poster details. Deadline for payment is  
September 10th, 1988.

## PUBLICATION OF PROCEEDINGS

The proceedings will be published by  
Medical and Scientific Conferences Ltd.  
and will be available at a price of £25.00  
pounds sterling on December 15th 1988.

## REGISTRATION FEE

The registration fee is £190.00 pounds  
sterling. No charge for accompanying  
non-participants. Lunch and refreshment  
tickets available daily on site.

## CONFERENCE ORGANISERS

Medical & Scientific Conferences Ltd.,  
The Studio,  
12 High Street, Wheathampstead, HERTS  
AL4 8AA, England.

Telephone: 058283 4117/8

Fax: 0582 419422

Telex: 825562/825353 Chacom G

For organisational details/accommodation  
enquiries, contact:

Dr. John Jennings  
Mr. Paul Surridge  
Mr. Ralph Williams.

## SOCIAL EVENTS

Our extensive leisure activity programme  
involving over 30 intriguing recreational  
'packages' will be available on request  
and are summarised elsewhere in this  
brochure. We look forward to family and  
friends joining us in the Virgin Islands.

## DISCOUNTED/REDUCED AIR-FARES

Your travelling costs to the conference  
will be reduced considerably by availing  
yourself of our reduced air-fare offers.

## REGISTRATION FORM

Please tick the appropriate box(es) and  
indicate the number of accompanying  
non-participants.

- I wish to register for the  
symposium and enclose the sum  
of £190.00 pounds sterling.
- I wish to purchase the published  
proceedings and enclose the  
sum of £25.00 pounds sterling.
- I wish to have full details of the  
30 recreational packages and  
our considerable air-fare  
discounts and reductions in  
travelling to the conference.

The number of accompanying  
non-participants will be

.....

Total amount of monies enclosed is

£ .....

pounds sterling made payable to Medical  
& Scientific Conferences Ltd. and drawn  
on any bank resident in the United  
Kingdom. Your bankers will advise you on  
this simple procedure.

Additional registrations may be readily  
made by submitting photostated copies of  
this registration form.

Alternatively, you can make cheque  
payable in US \$ made out to Medical and  
Scientific Conferences Ltd. Registration,  
\$310; published proceedings, \$42; poster  
preparation, \$72.

Name .....

Department .....

Institution .....

Country .....

Zip code .....

Telephone .....

## HOLIDAY/LEISURE

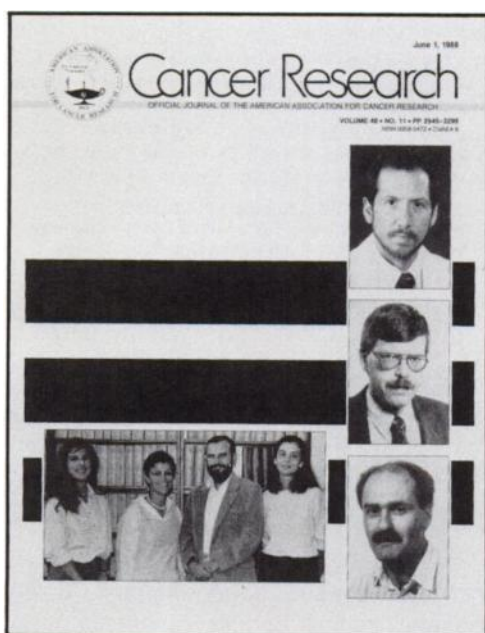
- Just 40 miles east of Puerto Rico, lies the  
US Virgin Islands of St. Thomas and more  
than 30 smaller islands clustered in the  
calm, almost transparent, blue-green  
waters of the Caribbean.
- The recorded history of the Virgin Islands  
began five centuries ago when the  
Spanish sailed in. During the generations  
that followed the islands were enriched by  
extended 'visits' from the French, the  
English, various pirates, the Dutch, the  
Knights of Malta and the Danes. The  
culmination of this historical musical  
chairs came in 1917 when the US bought  
the Virgin Islands from Denmark for \$25  
million.
- Recreation starts the moment you leave  
your room, enter the elevator and step off  
directly on beach level where you find  
yourself plunged into a world of sun-  
worshipping, sailing, snorkeling, scuba  
diving, championship sport fishing and  
cruising across calm transparent blue  
water.
- Tennis players will enjoy immaculate  
courts followed by a plunge into fresh-  
water pools.

- For golfers, facilities are sensational. The  
only championship 18 hole golf course is in  
St. Thomas - designed by George and Tom  
Fazio. It truly is a spectacular oceanfront  
site with such inland features as huge  
trees, rolling terrain, gracious valleys and  
an outstanding 14th hole which juts out on  
a cliff overlooking the Atlantic Ocean.
- Deep fishing is a dream. For the catch of  
your life, while away those afternoons with  
your coastguard with a penchant for the  
whereabouts of game fish.
- Yachts are available for sailing, snorkeling  
and sunbathing with US Coastguard-  
approved captains in command. Guests  
can swim and snorkel together or just  
sunbathe and relax under the shade of the  
canopy.
- And one must mention the fabled  
Mangrove Lagoon and view the British  
Virgin Islands and their smattering of  
island beaches. Pass by the world-record  
holding famous deep sea fishing fleet at  
Red Hook. Experience the breath-taking  
moment of standing on the ocean floor in  
the only Underwater Observation Tower in  
the western hemisphere.

- Meanwhile the family can avail itself of  
spectacular helicopter tours beginning  
from a private heliport and you will be  
staggered at the aerial views of St.  
Thomas, St. John and British Virgin Islands.
- Outings and cruises are stupendous, with  
a midmorning departure from your hotel  
and a drive along the scenic route to the  
north side of St. Thomas finally arriving at  
Magens Bay. This is one of the six most  
beautiful beaches in the world according  
to the National Geographic Magazine.
- Alternatively, you might consider the  
British Virgin island tour of Tortola which  
begins by boarding from the harbour at St.  
Thomas and ends in a haze at the only old-  
fashioned rum distillery on the island. Not  
many retrace their steps.
- Again the Kon Tiki sunset cocktail cruise  
is obligatory. Aboard the Kon Tiki you will  
discover a fantastic party boat with a  
West-Indian covered floor, dance floor,  
steel band and limbo show. Board just  
before sunset for maximum effect.
- Finally on your last day you can board the  
Amalie Queen; a double-decked riverboat  
for the goodbye party. Sit back, relax and  
enjoy the cool tropical breeze.

## COVER LEGEND

---



Although efforts to demonstrate that human cancer might be associated with the activation of specific protooncogenes have hitherto proved disappointing, recent articles by Bos *et al.* [Nature (Lond.), 327: 293, 1987] and Forrester *et al.* [Nature (Lond.), 327: 298, 1987] reveal that a large proportion (as many as 40%) of human colon cancers contain activated *ras* on-

cogenes. This oncogene already has a role in tumorigenesis in various experimental systems. The gene products of the *ras* family are localized in the plasma membrane and are presumed to take part in transmembrane signaling. Activation involves a point mutation at sites encoding amino acids at positions 12, 13, or 61—most frequently at position 12 in the *ras* gene product. The mutations observed at position 12 involve substitution of a glycine by cysteine, serine, arginine, valine, aspartic acid, or alanine. Such activated oncogenes are also present in benign villous adenomas, considered to be precursors of colon cancer, but not in normal colon or other tissues of the patients studied. Further mutations may be associated with progression to the malignant state. Both investigations used new sensitive procedures, involving either DNA hybridization analysis or RNase A mismatch cleavage analysis.

The results of these studies not only show the frequent occurrence of the mutated *ras* oncogene in human colon tumors but also support previous experimental studies indicating that mutation may be involved in an early stage of tumorigenesis. Pictured are, *left, left to right*, Kathleen Forrester, Concepcion Rama, Manuel Perucho, and Concepcion Almoguera; and, *right, top to bottom*, Bert Vogelstein, Stanley R. Hamilton, and Johannes L. Bos. We are indebted to Perucho and Vogelstein for the photographs.

Sidney Weinhouse