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 12N256),
Bethesda, Maryland 20892, USA.

Point of Contact and secretary to the
Convenors: Phyllis Rand, Telephone (301) 496 4918.
The convenors will answer all your scientific queries.

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

SCIENTIFIC PROGRAMME
The Virgin Island Seminars will act as a four day 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 Katzir, Tidningen, Jean Pierre Raynaud, Richard Santen, Bruce Beutler, Michael Siron, Patricia Donahoe, Suzanne Bourgeois, Joel Nueve, Robert Callahan, Dennis Slamon, Roberto Ceriani, Robert Dickson, Ira Pastan, John Mendes, Jeffrey Schlem, 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 £15.00 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, registration fee, payment for the poster must be made as a separate payment item on presentation of poster details. Deadline for payment is September 1st, 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, Walthamstow, E17 9LA, England.
Telephone: 086883 4117/8
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Telex: 825863/853363 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 interesting 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 avail 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

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Total amount of monies enclosed is

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

Alternatively, you may make cheque payable in US $ made out to Medical & Scientific Conferences Ltd. and drawn on any bank resident in the United Kingdom. Your bankers will advise you on this simple procedure.

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 1787 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
  worshipping, sailing, snorkeling, scuba diving,
  championship sport fishing and
cruising across calm tranquil 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 island features as huge
trees, rolling terrain, grainy valleys and an
  outstanding 14th hole which juts out on
cliff overlooking the Atlantic Ocean.
- Deep fishing is a dream. For the catch of
  your life, while away those afternoons with
  your own guide with a penchant for the
  whereabouts of game fish.
- Yachts are available for sailing, snorkeling
  and sunbathing with US Coastguard
  approved captains on hand. Guests can
  swim and snorkel together or just
  sunbathe and relax under the shade of the
  canopy.
- And one must mention the fabulous
  Magens Bay, Lagoon and view the British
  Virgin Islands with their emerald waters.
  Pass by the world-record
  holding females Dropout 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. 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, cocktail 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.
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