

EACR-XI Scientific Programme

Sunday, 3 November

Welcome Addresses to Conference Delegates

Leonardo Santi — Chairman, EACR-XI
Sandro Pontremoli — Chancellor, University of Genoa

Introductory Remarks

Peter Bannasch — President, European Association for Cancer Research

Mühlbock Memorial Lecture

Olav Hilmar Iversen — Institute of Pathology, University of Oslo

Cell Proliferation in Carcinogenesis and in Malignant Tumours

Special Guest Lecture

Paolo Fasella — Director General, DGXII Commission of the European Communities
Europe against Cancer

Genetic analysis of tumour rejection antigens
Thierry Boon
Institut Ludwig, Brussels

Molecules associated with metastasis formation in melanoma
Judith Johnson
Institut für Immunologie der Universität München, Munich

General discussion

Plenary Lecture

T-cell Targeting with Bispecific Antibodies
Antonio Lanzavecchia
Basel Institute for Immunology, Basel

Chairman
Lorenzo Moretta
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Monday, 4 November

Plenary Lecture Immunodeficiency and Cancer Risk
Luigi Chieco Bianchi — Università degli Studi, Padua

Chairman
Gunther Pasternak — Zentralinstitut für Molekularbiologie, Berlin

Parallel Symposium no. 1: Effector Cells against Cancer

Chair Hans Wigzell
Karolinska Institutet, Stockholm

Co-Chair Lorenzo Moretta
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Speakers

Variability of T-cell receptors in tumour-infiltrating lymphocytes
Thierry Hercend
Institute Gustave-Roussy, Villejuif

Activation of the cytotoxic effectors by autologous *ex vivo* solid human tumours
Farkas Vanky
Karolinska Hospital, Stockholm

A new family of NK-specific surface molecules involved in human NK cell function
Alessandro Moretta
Università degli Studi, Genoa

Origin and regulation of tumour-associated macrophages (TAM)
Alberto Mantovani
Istituto Mario Negri, Milan

General discussion

Parallel Symposium no. 2: Biology of Melanomas

Chair Gert Riethmüller
Universität München, Munich

Co-Chair Carlo Enrico Grossi
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Speakers

Paracrine growth factors in melanoma progression
Meenhard Herlyn
The Wistar Institute, Philadelphia

Tyrosine protein kinases in normal and malignant melanocytes
Ruth Halaban
Yale University, New Haven

Parallel Symposium no. 3: Cytogenetics of Solid Tumours

Chair Avery Sandberg
The Genetics Center and the Cancer Center, Scottsdale

Co-Chair Franca Dagna Bricarelli
Centro Regionale Genetica Umana, Ospedale Galliera, Genoa

Speakers

Chromosome changes in paediatric tumours
Herman van den Berghe
Universitaire Ziekenhuizen, Leuven

Cytogenetics in the diagnosis of soft tumours
Paola Dal Cin
Universitaire Ziekenhuizen, Leuven

Oncogenesis and tumour progression of testicular germ cell tumours. A cytogenetic model
Sérgio Castedo
Hospital S. Joao, Porto

The promise of molecular studies in human cancer
Patrick Gaudray
Laboratoire de Génétique Moléculaire des Cancers Humains, Nice

General discussion

Parallel Symposium no. 4: Biology of Tumour Invasion and Metastasis

Chair Volker Schirrmacher
Deutsches Krebsforschungszentrum, Heidelberg

Co-Chair Silvio Parodi
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Speakers

Epidermal growth factor receptor (EGFR) in mammary carcinoma metastasis
R. Lichtner
Schering Werke, Berlin

Invasion of a reconstituted basement membrane by tumour cells and its modulation
Adriana Albini
Istituto Nazionale per la Ricerca sul Cancro, Genoa

A new variant of CD44 as a metastasis-associated marker
P. Herrlich
Kernforschungszentrum Karlsruhe, Karlsruhe

Gene transfection and the immune response to tumours

Philip Frost

M.D. Anderson Cancer Center, Houston

General discussion

Tuesday, 5 November

Plenary Lecture Rational Design of Sequence-specific Oncogene Inhibitors
Claude Hélène
Museum National D'Histoire Naturelle, Paris

Chairman
Antti Vaheri
University of Helsinki, Helsinki

Parallel Symposium no. 5: Molecular Basis of Drug Resistance

Chair Bridget T. Hill
Imperial Cancer Research Fund Laboratories, London

Co-Chair Angelo Nicolin
Università degli Studi, Milan

Speakers
A role for platinum–DNA damage in cisplatin resistance?
Anne Marie Fichtinger-Schepman
TNO Laboratories, Rijswijk

P-glycoprotein-mediated multidrug resistance
Ornella Sanfilippo
Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan

Altered DNA topoisomerase II in multidrug resistance (MDR)
William T. Beck
St Jude's Children's Research Hospital, Memphis

Expression of multidrug resistance after *in vitro* exposure to fractionated X-irradiation
Bridget T. Hill

General discussion

Parallel Symposium no. 6: Environmental Carcinogens and Relevance to Humans

Chair Benedetto Terracini
Università degli Studi, Torino

Co-Chair Riccardo Puntoni
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Speakers
Uses of epidemiology for cancer prevention
Rodolfo Saracci
International Agency for Research on Cancer, Lyon

Tobacco smoke
Carlos Alberto Gonzales
Hospital San Jaime i Santa Magdalena
Matarò, Catalunya, Spain

Diet
Marianne Ewertz
Danish Cancer Registry, Copenhagen

Occupation
Paolo Vineis
Università degli Studi, Torino

General discussion

General Assembly of the EACR

Parallel Symposium no. 7: Tumour Drug Delivery

Chair Siegfried Matzku
E. Merck Company, Darmstadt

Co-Chair Riccardo Rosso
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Speakers
Intratumoral factors influencing the access of macromolecules to tumour cells
L.M. Cobb
Medical Research Council, Oxford

Tumour imaging in humans with small radiolabelled hapten dimers and bispecific monoclonal antibodies
Jean Marc Le Doussal
Immunotech S.A., Marseille

Tumour targeting with particulate carriers
Daan J.A. Crommelin
Utrecht University, Utrecht

The c-*erbB* receptor protein as a target for directing cytotoxic agents to tumour cells
Nancy Hynes
Friedrich Miescher Institut, Basel

General discussion

Parallel Symposium no. 8: Cancer Risk Assessment

Chair Sandro Grilli
Università degli Studi, Bologna

Co-Chair Angelo Abbondandolo
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Speakers
Role of epidemiological studies in cancer risk assessment
Riccardo Puntoni
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Role of long and medium-term carcinogenicity assays in risk assessment
José Ricardo P. Cabral
International Agency for Research on Cancer, Lyon

Role of pharmacodynamic studies in cancer risk assessment
Curtis C. Travis
Oak Ridge National Laboratory, Oak Ridge

Genotoxic and non-genotoxic factors in hazard evaluation
Silvio Parodi
Istituto Nazionale per la Ricerca sul Cancro, Genoa

General discussion

Wednesday, 6 November

Plenary Lecture Tumour Suppressor Genes and their Mode of Action
George Klein
Karolinska Institutet, Stockholm

Chair Paolo Strigini
Istituto Nazionale per la Ricerca sul Cancro, Genoa

Parallel Symposium no. 9: Transgenic Mice as Tools for the Analysis of Multistage Carcinogenesis

Chair	Allan Balmain Beatson Institute for Cancer Research, Glasgow
Co-Chair	Giuseppe Della Porta Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan
Speakers	Identification of synergising oncogenes in transgenic mice Anton Berns Netherlands Cancer Institute, Amsterdam Gene targeting in embryonal stem cells and its application to the study of carcinogenesis Martin Hooper University of Edinburgh, Edinburgh Transgenic mice as tools for the analysis of bone tumorigenesis and vascular diseases Erwin Wagner Institute for Molecular Pathology, Vienna Epstein-Barr virus latent gene-induced neoplasia in transgenic mice Joanna Wilson University of Glasgow, Glasgow

General discussion

Parallel Symposium no. 10: Gene Alterations in Human Cancer Cells

Chair	Paolo Comoglio Università degli Studi, Torino
Co-Chair	Giorgio Vidali Istituto Nazionale per la Ricerca sul Cancro, Genoa
Speakers	The cMET/HGF receptor gene Silvia Giordano and Paolo Comoglio Università degli Studi, Torino Molecular genetics of the promyelocytic leukaemia t15; 17 Pier Giuseppe Pelicci Università di Perugia, Perugia Oncogene amplification and tumour suppressor genes in lung cancer Kari Alitalo University of Helsinki, Helsinki Cancer genes on chromosome 17: approaches to mapping, using extended cancer families and sporadic tumours C.M. Steel Medical Research Council, Edinburgh

General discussion

Plenary Lecture

Hormones and Control of Gene Expression
Miguel Beato
IMT Philipps Universität, Marburg

Chairman
I. Bernard Weinstein
Columbia University Comprehensive Cancer Center, New York

Parallel Symposium no. 11: New Approaches to Cancer Diagnosis and Management

Chair	Jo Hilgers Academisch Ziekenhuis, Vrije Universiteit, Amsterdam
Co-Chair	Maria I. Colnaghi Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan
Speakers	Mucins as serum tumour markers in carcinoma patients Jo Hilgers Natural immune response to mucins in carcinoma patients S. Kaul Universität Heidelberg, Heidelberg Targeting antibodies to micrometastatic cancer cells Gert Riethmüller Institut für Immunologie der Universität München, Munich Radioactive labelled antibodies for <i>in vivo</i> diagnosis of tumour deposits in patients with carcinomas P. Kenemans Academisch Ziekenhuis, Vrije Universiteit, Amsterdam

General discussion

Parallel Symposium no. 12: Papillomaviruses and Human Cancer

Chair	Harald zur Hausen Deutsches Krebsforschungszentrum, Heidelberg
Co-Chair	Manlio Ferrarini Istituto Nazionale per la Ricerca sul Cancro, Genoa
Speakers	Epidermodysplasia verruciformis (EV): a model for a role of local immune responses to potentially oncogenic human papillomaviruses (HPVs) Stefania Jablonska Klinika Dermatologiczna A.M., Warsaw Papillomaviruses and skin carcinogenesis Gerard Orth Institut Pasteur, Paris Strategies for intervention against HPV-associated tumours Lionel Crawford Imperial Cancer Research Fund Laboratories, Cambridge Negative regulation of HPV18 transcription in somatic cell hybrids Frank Rösl Deutsches Krebsforschungszentrum, Heidelberg

General discussion