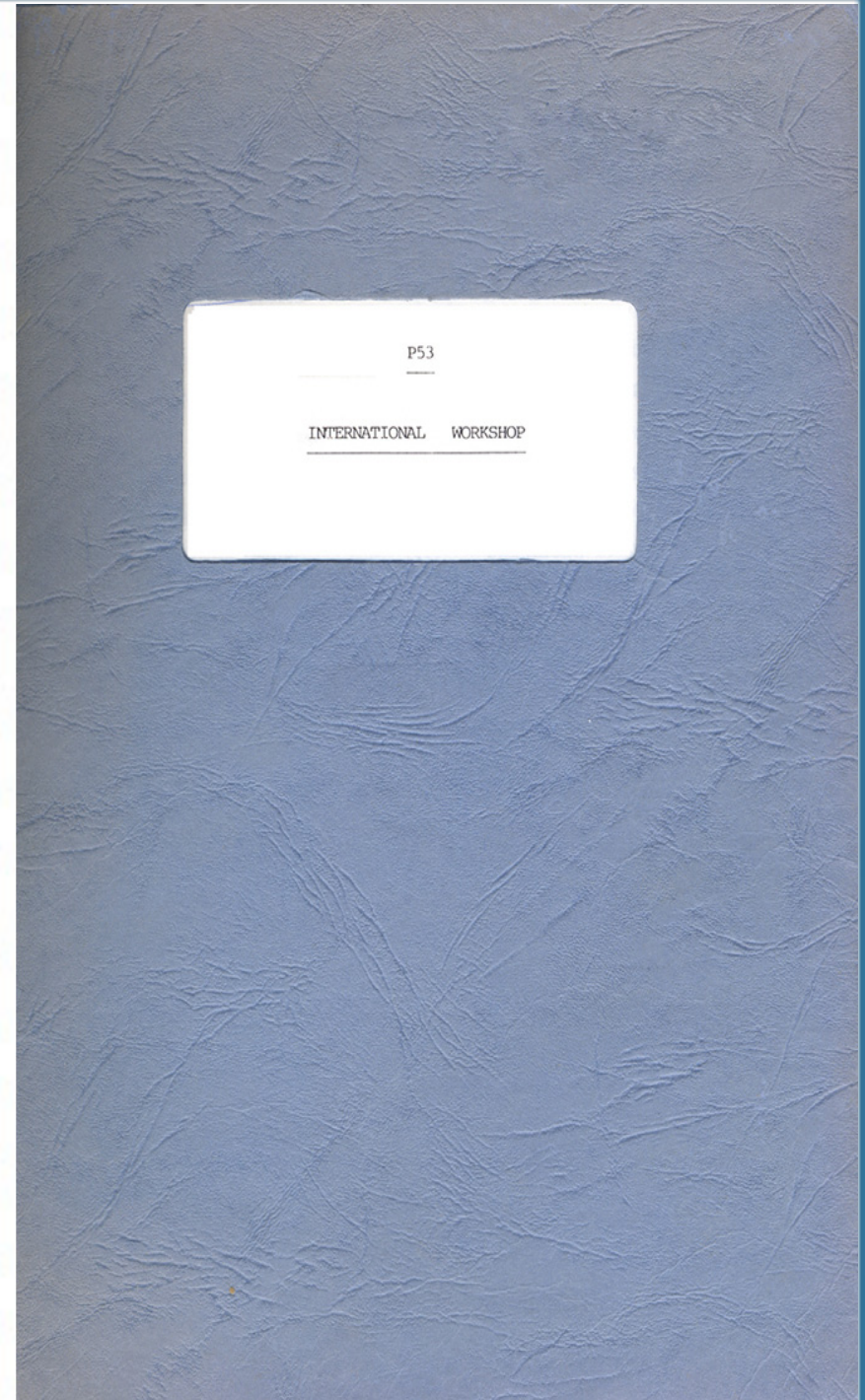


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The first p53 workshop

The Marie Curie Memorial Foundation
Research Institute
The Chart
Oxted, Surrey

The clonning "saga"



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Peter Rigby

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R. Baserga

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at

The Marie Curie Memorial Foundation
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The Chart,
Oxted, Surrey.

No 1.

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LIST OF PARTICIPANTS

Dr. Ettore Appella	...	National Cancer Institute, Bethesda, NIH.
Dr. Albert DeLeo	...	Sloan Kettering Institute, NY.
Dr. Peter Mora	...	National Cancer Institute, NIH.
Prof. Renato Baserga	...	Temple University, Philadelphia.
Dr. Ed Mercer	...	Temple University, Philadelphia.
Dr. Ed Harlow	...	Cold Spring Harbor, New York.
Dr. Arnold Levine	...	Stonybrook, New York.
Dr. Nancy Reich	...	Stonybrook, New York.
Prof. Walter Piers	...	Belgium.
Dr. Frans Van Roy	...	Belgium.
Dr. Pierre May	...	Ville Juif, Paris.
Dr. Krish Chandrasekaran	...	Ville Juif, Paris.
Dr. Lars Sternas	...	Karolinska Institute, Sweden
Dr. Jo Milner	...	Addenbrookes Hospital, Hills Road, Cambridge.
Dr. Moshe Oren	...	Weizmann Institute, Israel
Dr. Varda Rotter	...	Weizmann Institute, Israel
Dr. V. Chumakov	...	Moscow, USSR.
Dr. John Jenkins	...	Marie Curie Foundation, Oxted.
Dr. L.V. Crawford	...	ICRF, London
Dr. Sam Benchimol	...	ICRF, London
Dr. Peter Rigby	...	Imperial College, London
Dr. David Lane	...	Imperial College, London

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TIMETABLE

SATURDAY, 7TH MAY 1983

12.00 onwards	Registration at The Research Institute, Treve Hill, Limpsfield Chart, Oxted, Surrey.
	BOOK INTO HOTELS
7.00 p.m.	Drinks at The Old Bell, Old Oxted, Surrey.
8.00 p.m.	Dinner at -ditto-
	EVENING FREE.

SUNDAY, 8TH MAY 1983

9.30 a.m.	Workshop at the Research Institute, Limpsfield Chart.
	INTRODUCTION
10.00-11.00 a.m.	Morning Session, part 1.
11.11.20 a.m.	Coffee
11.30-1.00 p.m.	Morning Session, part 2.
1.15 - 2.15 p.m.	Lunch at The Old Bell, Old Oxted.
2.30 - 3.30 p.m.	Afternoon session, part 1.
3.30 - 3.50 p.m.	Tea.
4.00 - 5.30 p.m.	Afternoon Session, part 2.
7.00 p.m.	Drinks
8.00 p.m.	Dinner
	EVENING FREE

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MONDAY, 9TH MAY

9.30 - 11.00 a.m.	Session
11.00 - 11.20 a.m.	Coffee
11.30 - 1.00 p.m.	Session
1.15 - 2.15 p.m.	Lunch at the Old Bell, Old Oxted, Surrey.
2.30 - 3.30 p.m.	Session
3.30 - 3.50 p.m.	Tea
4.00 - 5.30 p.m.	Session
7.00 p.m.	Drinks, The Red Barn Inn & Restaurant, Blindley Heath.
8.00 p.m.	Dinner -ditto-
	Evening free.

TUESDAY, 10TH MAY.

9.30 - 11.00 a.m.	Final Session
11.00 - 11.20 a.m.	Coffee
11.30 - 12.30 p.m.	Final Session/Summary

BOOK OUT OF HOTELS.

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SCIENTIFIC PROGRAMME

SUNDAY, 8th May 1983

9.30 a.m.

INTRODUCTION

CLONING

Chairmen: Professor Walter Fiers/Dr. Arnold Levine

Speakers: Dr. V. Chumakov
Dr. Moshe Oren
Dr. J. Jenkins
Dr. S. Benchimol
Dr. Varda Rotter

Dr. Varda Rotter

ANTIBODIES IN TUMOUR SERA

Chairman: Dr. Arnold Levine

Discussion: Dr. L.V. Crawford
Dr. Albert DeLeo
Dr. Varda Rotter

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MONDAY, 9th May 1983

p.53 COMPLEXES

Chairman: Dr. L.V. Crawford

Speakers: Dr. Ed Harlow
Dr. Arnold Levene
Dr. S. Benchimol
Dr. Chandrasekaran
Dr. Pierre May

FUNCTIONS

Chairman: Prof. Renato Baserga

Speakers: Dr. Jo Milner
Prof. Renato Baserga
Dr. Ed Mercer
Dr. Nancy Reich
Dr. Frans Van Roy

TUESDAY, 10th May 1983

OTHER 53K PROTEINS

Chairman: Dr. Ed Harlow
Dr. Lars Sternas

DISCUSSION

Dr. Peter Mora

SUMMARY

Dr. L.V. Crawford

1987

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Centre d'Information Scientifique
De L'A.R.C.
Villejuif
Paris

The p53 genome era

VARDA ROTTER.

P53 INTERNATIONAL WORKSHOP
COLLOQUE INTERNATIONAL P53

APRIL 29 AND 30, 1987
29 ET 30 AVRIL, 1987
-:-:-:-:-

AT
AU

CENTRE D'INFORMATION SCIENTIFIQUE
DE L'A.R.C.
RUE CAMILLE DESMOULINS
94800 VILLEJUIF

SPONSORED BY
AVEC LE SOUTIEN DE

L'ASSOCIATION POUR LA RECHERCHE SUR LE CANCER
(VILLEJUIF, FRANCE)

&

MARIE CURIE MEMORIAL FOUNDATION RESEARCH INSTITUTE
(THE CHART, OXTEAD, U.K.)

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Paris

The p53 genome era

INTERNATIONAL WORKSHOP ON P53

Wednesday, April 29.

9:30 a.m. WELCOME Dr. Pierre MAY

9:45 a.m. INTRODUCTORY REMARKS Dr. John JENKINS

SESSION I

Chairperson : Dr. John JENKINS
Marie Curie Foundation,
Research Institute, OXTEd, UK.

Speakers :

10:00 a.m. - Dr. David P. LANE
Imperial Cancer Research Fund. LONDON, UK.
Biochemical effects of p53 on large-T antigen.

10:30 a.m. - Dr. Moshe OREN
Department of Chemical Immunology, REHOVOT, ISRAEL.
Interactions between p53 and heterologous
proteins.

11:00 a.m. - Coffee Break

11:45 a.m. - Dr. Arnold J. LEVINE
Department of Molecular Biology, PRINCETON, USA.
Immunological evidence for the association of p53
with a heat shock protein, hsc70 in p53 plus Ras
transformed cell lines.

12:15 p.m. - Dr. Horst-Werner STURZBECHER
Marie Curie Foundation, OXTEd, UK.
Mutant p53 proteins exhibit diverse targeting
capabilities.

12:45 p.m. - LUNCH

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Wednesday, April 29.

SESSION II

Chairperson : Dr. David LANE
Dept. of Biochemistry, LONDON, UK.

Speakers :

2:00 p.m. - Dr. Peter CHUMAKOV
Institute of Molecular Biology, MOSCOW, USSR

2:30 p.m. - Dr. Sam BENCHIMOL
Ontario Cancer Institute, TORONTO, CANADA

Isolation and expression of rearranged p53 genes
from murine erythroleukemia.

3:00 p.m. - Dr. Christopher Dale SMITH
Division Cancer Biology and Diagnosis, N.I.H., USA.

Non-complexing of p53 and T Ag in SV40 transformed
cells.

3:30 p.m. Coffee Break

4:15 p.m. - Dr. Friedrich GRUMMT
Institute of Biochemistry, ROETGEN RING, FRG.

P53 binds to mammalian origin of replication.

4:45 p.m. - Dr. Jean-Jacques LAWRENCE
Lab. Biologie Moléculaire, INSERM, GRENOBLE, FRANCE.

p53 accumulation and cell cycle modifications in
the induced differentiation of murine Erythro-
leukemia cells.

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Thursday, April 30.

SESSION III

Chairperson : Dr. Varda ROTTER
Weizmann Institute of Science
REHOVOT, ISRAEL.

Speakers :

9:30 a.m. - **Dr. Wolfgang DEPERT**
Department of Biochemistry, ULM, FRG.
Modulation of p53 expression during cellular transformation with SV40.

10:00 a.m. - **Dr. Mathias MONTENARH**
Department of Biochemistry, ULM, FRG.
Protein-protein interactions in complexes of simian virus 40 large T antigen and p53.

10:30 a.m. - **Dr. Peter T. MORA**
National Institutes of Health, BETHESDA, USA.
p53 expression in differentiating systems.

11:00 a.m. - **Coffee Break**

11:45 a.m. - **Dr. Thierry SOUSSI**
Unité d'Oncologie Moléculaire, I.R.S.C.,
VILLEJUIF, FRANCE
Non-mammalian p53 : characterization and properties.

12:15 p.m. - **Dr. Antony BRAITHWAITE**
Marie Curie Foundation, OXTEDE, UK

12:45 p.m. - **LUNCH**

Stimulation of p53 synthesis during infection of rodent cells with Adeno 5

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Paris

The p53 genome era

Thursday, April 30.

SESSION IV

Chairperson : **Dr. Moshe OREN**
Department of Chemical Immunology,
REHOVOT, ISRAEL.

Speakers :

2:30 p.m. - **Dr. Varda ROTTER**
Department of Cell Biology, REHOVOT, ISRAEL.

The molecular basis for the heterogeneity of mouse
and human p53 protein.

3.00 p.m. - **Dr. Jo MILNER**
University of Cambridge, CAMBRIDGE, UK.

Immunological analysis of p53 protein expressed
in vitro.

3:30 p.m. - Coffee Break

4:15 p.m. - **Dr. W. Edward MERCER**
Department of Pathology, PHILADELPHIA, USA

Growth regulated expression of p53 in normal and
malignant human cells.

4:45 p.m. - **Dr. Edmond PUVION**
Laboratoire de Biologie & Ultrastructure du Noyau,
G.B.G.M., I.R.S.C., VILLEJUIF, FRANCE.

Intranuclear localization of SV40-TAg and p53 in
SV40-infected or-transformed cell cultures.

6:00 p.m. - COCKTAIL PARTY

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THIRD INTERNATIONAL p53 WORKSHOP

8 - 10 May 1988

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THIRD INTERNATIONAL p53 WORKSHOP

8 - 10 May 1988

Co-organisers:

Dr. John R. Jenkins,
Cell Proliferation Laboratory,
Marie Curie Research Institute,
The Chart,
Oxted, Surrey RH8 OTL,
U.K.

Dr. Pierre May,
Unite d'Oncologie Moleculaire,
Institut de Recherches Scientifiques sur le Cancer,
7 rue Guy Mocquet,
94802 Villejuif Cedex,
France.

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SESSION PROGRAMME

Sunday 8 May: Afternoon

Chairperson:

Dr. Evelyne May	Unite d'Oncologie Moleculaire, IRSC, Villejuif, France.
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Speakers:

Dr. Richard Greaves	ICRF, Clare Hall Laboratories, South Mimms, U.K.
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Dr. Thierry Soussi	Unite d'Oncologie Moleculaire, IRSC, Villejuif, France.
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Dr. Jo Milner	Division of Virology, Department of Pathology, University of Cambridge, U.K.
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Dr. Eric Blair	Department of Biochemistry, University of Leeds, U.K.
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Monday 9 May: Morning

Chairperson:

Dr. Sam Benchimol Ontario Cancer Institute, University of Toronto, Canada.

Speakers:

Dr. William Welch Cold Spring Harbor Laboratory, Cold Spring Harbor, U.S.A.

Dr. Sam Benchimol Ontario Cancer Institute, University of Toronto, Canada.

Mr. Phil Hinds Department of Molecular Biology, University of Princeton, U.S.A.

Dr. Moshe Oren Weizmann Institute of Science, Rehovot, Israel.

Dr. Evelyn May Unite d'Oncologie Moleculaire, IRSC, Villejuif, France.

Dr. Sander van den Heuvel Department of Medical Biochemistry, Sylvius Laboratories, Leiden, The Netherlands.

Afternoon

Chairperson:

Dr. John Jenkins Cell Proliferation Laboratory, Marie Curie Research Institute, Oxted, U.K.

Speakers:

Dr. Julian Blow CRC Molecular Embryology Group, Department of Zoology, University of Cambridge, U.K.

Dr. Antony Braithwaite Cell Proliferation Laboratory, Marie Curie Research Institute, Oxted, U.K.

Dr. Horst-Werner Sturzbecher -ditto-

Dr. David Lane ICRF, Clare Hall Laboratories, South Mimms, U.K.

Dr. Jim Pipas Department of Biological Sciences, University of Pittsburgh, U.S.A.

Dr. Robert Carroll Department of Pathology, NYU Medical School, U.S.A.

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Tuesday 10 May

Chairperson:

Dr. Varda Rotter	Department of Cell Biology, Weizmann Institute, Rehovot, Israel.
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Speakers:

Prof. Wolfgang Deppert	Heinrich-Pette-Institut für Experimentelle Virologie und Immunologie an der Universität Hamburg, F.R.G.
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Prof. Mathias Montenarh	Department of Biochemistry, University of Ulm, F.R.G.
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Dr. Varda Rotter	Department of Cell Biology, Weizmann Institute, Rehovot, Israel.
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Dr. David Reisman	-ditto-
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Mr. Simon Tuck	ICRF Laboratories, London, U.K.
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THIRD INTERNATIONAL p53 WORKSHOP

List of Participants

Ms. Christine Addison	Marie Curie Research Institute.
Prof. Peter Alexander	Cancer Research Campaign Medical Oncology Unit, Centre Block CF93, Southampton General Hospital, Southampton SO9 4XY, U.K.
Dr. Ettore Appella	Laboratory of Cell Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland 20205, U.S.A.
Dr. Sam Benchimol	Ontario Cancer Institute, University of Toronto, Toronto, Ontario M4X 1K9, Canada.
Dr. Eric Blair	Department of Biochemistry, University of Leeds, U.K.
Dr. Julian Blow	CRC Molecular Embryology Research Group, University of Cambridge, Cambridge, U.K.
Ms. Ruth Brain	Marie Curie Research Institute.
Dr. Antony Braithwaite	-ditto-
Dr. Claude Caron de Fromental	Unite d'Oncologie Moleculaire, Institut de Recherches Scientifiques sur le Cancer, B.P. n°8, 94802 Villejuif Cedex, France.
Dr. Robert Carroll	Department of Pathology, NYU Medical School, New York, NY 10016, USA.
Mr. Alistair Cook	Division of Virology, Department of Pathology, Addenbrookes Hospital, Cambridge, U.K.
Mr. Will Court	Marie Curie Research Institute
Dr. Graham Currie	-ditto-
Prof. Wolfgang Deppert	Heinrich-Pette-Institut an der Universitat Hamburg, D-2000 Hamburg 20, Germany.
Dr. Cathy Finlay	Department of Molecular Biology, Lewis Thomas Laboratory, University of Princeton, N.J. 08544, U.S.A.

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Dr. Richard Greaves	Marie Curie Research Institute.
Ms. Margaret Grimaldi	-ditto-
Mr. Phil Hinds	Department of Molecular Biology, Lewis Thomas Laboratory, University of Princeton, N.J. 08544, U.S.A.
Dr. Richard Iggo	Imperial Cancer Research Fund Laboratories, South Mimms, Potters Bar, Herts, EN6 3LD, U.K.
Dr. John Jenkins	Marie Curie Research Institute.
Dr. David Lane	Imperial Cancer Research Fund Laboratories, South Mimms, Potters Bar, Herts, EN6 3LD, U.K.
Dr. Toivo Maimets	Marie Curie Research Institute.
Dr. Evelyne May	Unite d'Oncologie Moleculaire, Institut de Recherches Scientifiques sur le Cancer, B.P. n°8, 94802 Villejuif Cedex, France.
Dr. Jo Milner	Division of Virology, Department of Pathology, Addenbrookes Hospital, Cambridge, U.K.
Prof. Mathias Montenarh	Department of Biochemistry, University of Ulm, P.O. Box 4066, D-7900 Ulm, Germany.
Ms. Susan Newbould	School of Biological Sciences, University of East Anglia, Norwich NR4 7TJ, U.K.
Dr. Moshe Oren	Weizmann Institute of Science, P.O.Box 26, Rehovot 76100, Israel.
Dr. James Pipas	Department of Biological Sciences, University of Pittsburgh, Pittsburgh, U.S.A.
Dr. David Reisman	Weizmann Institute of Science, P.O.Box 26, Rehovot 76100, Israel.
Dr. Varda Rotter	-ditto-
Ms. Karran Rudge	Marie Curie Research Institute.

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Dr. Judith Skinner	Department of Genetics, University of Cambridge, Downing Street, Cambridge, U.K.
Dr. Thierry Soussi	Unite d'Oncologie Moleculaire, Institut de Recherches Scientifiques sur le Cancer, B.P. n°8, 94802 Villejuif Cedex, France.
Dr. Horst-Werner Sturzbecher	Marie Curie Research Institute.
Mr. Simon Tuck	Imperial Cancer Research Fund Laboratories, Lincoln's Inn Fields, London WC2A 3PX.
Dr. Sander van den Heuvel	Department of Medical Biochemistry, Sylvius Laboratories, University of Leiden, P.O.Box 9503, 2300 RA Leiden, The Netherlands.
Dr. William Welch	Cold Spring Harbor Laboratory, P.O. Box 100, New York, U.S.A.

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FOURTH INTERNATIONAL p53 WORKSHOP

2 - 5 JUNE 1990

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FOURTH INTERNATIONAL p53 WORKSHOP

2 - 5 JUNE 1990

Organizer:

JOHN R. JENKINS

Cell Proliferation Laboratory
Marie Curie Cancer Research
The Chart
Oxted Surrey RH8 0TL U.K.

Workshop Secretariat:
Jean Marr

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SESSION PROGRAMME

SATURDAY, 2ND JUNE: 4-30 to 5.30 p.m.

Chairperson:

Dr. Moshe Oren	Weizmann Institute of Science, Rehovot, Israel.
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Speakers:

Dr. Varda Rotter	Weizmann Institute of Science, Rehovot, Israel.
------------------	---

Prof. Mathias Montenarh	Department of Biochemistry, University of Ulm, D-7900 Ulm, Germany.
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Dr. Jo Milner	Division of Virology, Department of Pathology, Addenbrookes Hospital, Cambridge, U.K.
---------------	---

Dr. Peter Chumakov	Institute of Molecular Biology, Academy of Sciences of the USSR, Moscow, U.S.S.R.
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SUNDAY, 3RD JUNE 1990: 9.15 TO 10.30 a.m.

Chairperson:

Dr. Edward Mercer Department of Pathology, School of Medicine,
Temple University, Philadelphia, Pennsylvania
19140, U.S.A.

Speakers:

Dr. John Minna National Cancer Institute-Navy Medical
Oncology Branch, Naval Hospital, Bethesda,
Maryland, MD20814, U.S.A.

Dr. Janice Nigro John Hopkins Oncology Center, Molecular
Genetics Laboratory, Baltimore, MD21231,
U.S.A.

Dr. David Lane Imperial Cancer Research Fund Laboratories,
Lincolns Inn Fields, London WC2A 3PX, U.K.

11 a.m. to 12.30 p.m

Chairperson:

Dr. John Minna National Cancer Institute-Navy Medical
Oncology Branch, Naval Hospital, Bethesda,
Maryland, MD20814, U.S.A.

Speakers:

Dr. Varda Rotter Weizmann Institute of Science, Rehovot,
Israel.

Dr. Nigel Scott Department of Pathology, University of Leeds,
Leeds LS2 9JT, U.K.

Dr. Jennifer Varley Department of Biochemistry, University of
Leicester, University Road, Leicester LE1 7RH,
U.K.

Dr. Patricia Wright CRC Thyroid Tumour Biology Research Group,
University of Wales College of Medicine,
Cardiff, U.K.

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SUNDAY, 3RD JUNE 1990: 2.30 to 4.00 p.m.

Chairperson:

Dr. Janice Nigro John Hopkins Oncology Center, Molecular Genetics Laboratory, Baltimore, MD21331, USA.

Speakers:

Dr. Peter Chumakov Institute of Molecular Biology, Academy of Sciences of the USSR, Moscow, USSR.

Dr. Colin Cooper Institute of Cancer Research, Chester Beatty Laboratories, Fulham Road, London SW3 6JB, U.K.

Dr. Richard Osborne Department of Clinical Oncology, Addenbrookes Hospital, Cambridge, U.K.

Dr. Jane Prosser MRC Human Genetics Unit, Western General Hospital, Edinburgh EH4 2XU, U.K.

Dr. Karen Vousden Ludwig Institute for Cancer Research, St. Mary's Hospital Medical School, London W2 1PG, U.K.

Dr. Scott Bader Department of Microbiology and Molecular Genetics, University of California, Irvine, California 92717, U.S.A.

4.30 to 6.00 p.m.

Chairperson:

Dr. Sam Benchimol Ontario Cancer Institute, University of Toronto, Toronto, Ontario M4X 1K9, Canada.

Speakers:

Prof. Wolfgang Deppert Heinrich-Pette-Institut für Experimentelle Virologie und Immunologie an der Universität Hamburg, D2000 Hamburg 20, F.R.G.

Dr. Ettore Appella Laboratory of Cell Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland 20205, U.S.A.

Dr. David Meek Department of Biochemistry, Medical Sciences Institute, University of Dundee, Dundee, U.K.

Dr. Jean-Jacques Lawrence Département de Recherche Fondamentale LE10/BMCC CENG BP 85X, 38041 Grenoble, Cedex, France.

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MONDAY 4TH JUNE 1990: 2.30 to 4.00 p.m.

Chairperson:

Dr. Jo Milner Division of Virology, Department of Pathology,
Addenbrookes Hospital, Cambridge, U.K.

Speakers:

Prof. Pierre May Unite d'Oncologie Moleculaire, Institut de
Recherches Scientifiques sur le Cancer,
94802 Villejuif Cedex, France.

Dr. Sam Benchimol Ontario Cancer Institute, University of
Toronto, Toronto, Ontario M4X 1K9 Canada.

Dr. Philip Burns Beatson Institute for Cancer Research,
Garscube Estate, Switchback Road, Glasgow,
U.K.

4.30 - 6.00 p.m.

Chairperson:

Dr. Varda Rotter Weizmann Institute of Science, Rehovot,
Israel.

Speakers:

Dr. Moshe Oren Weizmann Institute of Science, Rehovot,
Israel.

Dr. Edward Mercer Department of Pathology, School of Medicine,
Temple University, Philadelphia, Pennsylvania
19140, U.S.A.

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LIST OF PARTICIPANTS

Ms	Christine Addison	Cell Proliferation Laboratory, Marie Curie Cancer Research, The Chart, Oxted, Surrey U.K.
Dr	Ettore Appella	Laboratory of Cell Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland 20205, USA
Dr	Scott Bader	Department of Microbiology and Molecular Genetics, University of California, Irvine, California 92717, USA
Dr	Sam Benchimol	Ontario Cancer Institute, University of Toronto, Toronto, Ontario M4X 1K9 Canada
Dr	Eric Blair	Department of Biochemistry, University of Leeds, U.K.
Ms	Ruth Brain	Cell Proliferation Laboratory, Marie Curie Cancer Research, The Chart, Oxted, Surrey U.K.
Prof	William Brammar	Department of Biochemistry, University of Leicester, University Road, Leicester LE1 7RH, U.K.
Dr	Philip Burns	Beatson Institute for Cancer Research, Garscube Estate, Switchback Road, Glasgow, U.K.
Dr	Peter Chumakov	Institute of Molecular Biology, Academy of Sciences of the USSR, Vavilov St. 32, Moscow, USSR.
Dr	Colin Cooper	Institute of Cancer Research, Chester Beatty Laboratories, Fulham Road, London SW3 6JB, U.K.
Dr	Graham Currie	Marie Curie Cancer Research, The Chart, Oxted, Surrey, U.K.
Prof.	Wolfgang Deppert	Heinrich-Pette-Institut für Experimentelle Virologie und Immunologie an der Universität Hamburg, Martinistr. 52, D2000 Hamburg 20, FRG.
Ms.	Orly Eizenberg	Weizmann Institute of Science, P.O. Box 26, Rehovot 76100, Israel.

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Dr	Gerard Evan	Imperial Cancer Research Fund Laboratories, Dominion House, St Bartholomews Hospital, London EC1A 7BE, U.K.
Dr	John Green	CRC Department of Radiation Oncology, University of Liverpool, Clatterbridge Hospital, Clatterbridge Road, Bebington, Wirral, Merseyside L63 4CA
Ms.	Margaret Grimaldi	Cell Proliferation Laboratory, Marie Curie Cancer Research, The Chart, Oxted, Surrey U.K.
Dr	William Gullick	Royal Postgraduate Medical School, Hammersmith Hospital, Du Cane Road, London W12 OHS, U.K.
Dr	Alan Hall	Institute of Cancer Research, Chester Beatty Laboratories, Fulham Road, London SW3 6JB, U.K.
Dr	Helen Hearst	Royal Postgraduate Medical School, Hammersmith Hospital, Du Cane Road, London W12 OHS, U.K.
Dr	Tony Jelsma	Cell Proliferation Laboratory, Marie Curie Cancer Research, The Chart, Oxted, Surrey U.K.
Dr	John Jenkins	Cell Proliferation Laboratory, Marie Curie Cancer Research, The Chart, Oxted, Surrey U.K.
Dr	Nick Jones	Imperial Cancer Research Fund Laboratories, Lincoln's Inn Fields, London WC2A 3PX, U.K.
Ms	Elizabeth Keenan	Cell Proliferation Laboratory, Marie Curie Cancer Research, The Chart, Oxted, Surrey U.K.
Dr	Hartmut Land	Imperial Cancer Research Fund Laboratories, Lincolns Inn Fields, London WC2A 3PX, U.K.
Dr	David Lane	Imperial Cancer Research Fund Laboratories, South Mimms, Potters Bar, Herts, EN6 3LD, U.K.
Dr	Jean-Jacques Lawrence	Departement de Recherche Fondamentale LE10/BMCC CENG BP 85X, 38041 Grenoble Cedex France.
Dr	Toivo Maimets	Estonian Biocenter at the Academy of Sciences of the Estonian SSR, 202400 Tartu, Tahetorn Toomel, Estonian SSR, USSR.
	Prof. Pierre May	Unite d'Oncologie Moleculaire, Institut de Recherches Scientifiques sur le Cancer B.P. n°8, 94802 Villejuif Cedex, France.

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Dr	David Meek	Department of Biochemistry, Medical Sciences Institute, University of Dundee, Dundee DD1 4HN, U.K.
Dr	Edward Mercer	Department of Pathology, School of Medicine, Temple University, Broad & Ontario Streets, Philadelphia, Pennsylvania 19140, USA
Dr	Jo Milner	Division of Virology, Department of Pathology, Addenbrookes Hospital, Cambridge, U.K.
Dr	John Minna	National Cancer Institute-Navy Medical Oncology Branch, Building 8, Room 5101, Naval Hospital, Bethesda, Maryland, MD20814, U.S.A.
Prof.	Mathias Montenarh	Department of Biochemistry, University of Ulm, P.O. Box 4066, D-7900 Ulm, Germany.
Dr	Janice Nigro - Bat Vogelstein -	John Hopkins Oncology Center, Molecular Genetics Laboratory, Room 109, 424 N. Bond Street, Baltimore, MD21231, U.S.A.
Dr	Moshe Oren	Weizmann Institute of Science, P.O. Box 26, Rehovot 76100, Israel.
Dr	Richard Osborne	Department of Clinical Oncology, Addenbrookes Hospital, Cambridge, U.K.
Dr	Martin Page	Wellcome Research Laboratories, Langley Court, Beckenham, Kent BR3 3BS, U.K.
Dr	Anna Philpott	CRC Molecular Embryology Group, Department of Zoology, Downing Street, Cambridge CB2 3EJ, U.K.
Dr	Carol Prives	Department of Biological Sciences, Columbia University, New York, NY10027, U.S.A.
Dr	Jane Prosser	MRC Human Genetics Unit, Western General Hospital, Crewe Road, Edinburgh EH4 2XU, J.K.
Dr	Colin Purdie	Department of Pathology, University of Edinburgh, University Medical School, Teviot Place, Edinburgh EH8 9AG.

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Dr	Sidney Shall	Cell & Molecular Biology Laboratory, University of Sussex, Biology Building, Brighton BN1 9QG, U.K.
Dr	Viesturs Simanis	Institut Suisse de Recherches Experimentales sur le Cancer, Chemin des Boveresses 155, CH1066 Epalinges, s/Lausanne, Switzerland.
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Dr	Horst-Werner Sturzbecher	Cell Proliferation Laboratory, Marie Curie Cancer Research, The Chart, Oxted, Surrey U.K.
Dr	Jennifer Varley	Department of Biochemistry, University of Leicester, University Road, Leicester LE1 7RH, U.K.
Dr	Karen Vousden	Ludwig Institute for Cancer Research, St Mary's Hospital Medical School, Norfolk Place, London W2 1PG, U.K.
Dr	Peter Wagner	Cell Proliferation Laboratory, Marie Curie Cancer Research, The Chart, Oxted, Surrey U.K.
Dr	Patricia Wright	CRC Thyroid Tumour Biology Research Group, University of Wales College of Medicine, Cardiff, U.K.

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INVITED PARTICIPANT

Dr Mike Fried

Imperial Cancer Research Fund
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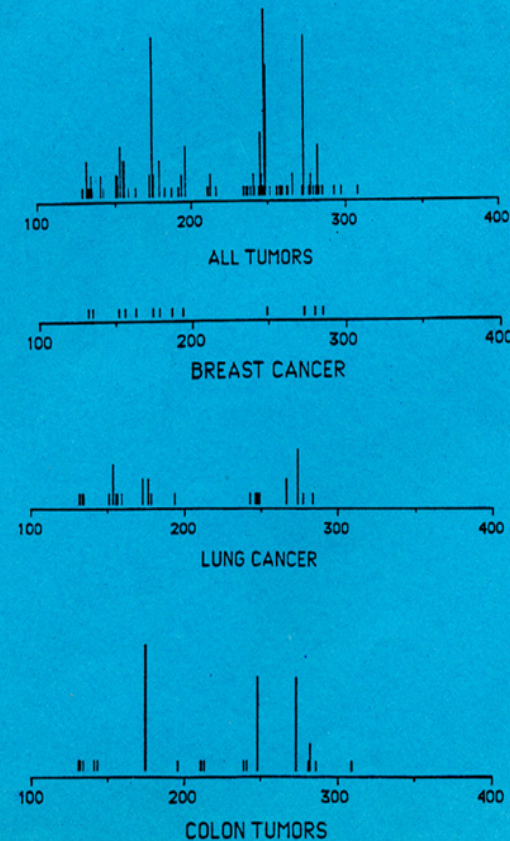
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June 21-25, 1991

at

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Princeton, NJ 08544-1014

Organized by:

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June 21-25, 1991

Program

Friday, June 21

Afternoon arrival and registration
7:00 pm Dinner

Forbes College
Forbes College

* * * * *

Saturday, June 22

7-8:30 am Breakfast

Forbes College

NOTE: All talks and poster sessions are in Lewis Thomas Laboratory

8:45 am Welcome and Introduction, V. Rotter and A.J. Levine

SESSION A: p53 Gene Alterations in Human Tumors Chairs

V. Rotter, The Weizmann Institute, Israel
P. Chumakov, Institute for Molecular Biology, USSR

- 9 am Caron de Fromental, C.¹, Soussi, T.², Bourre, F.³, Sarasin, A.³, and May P.¹ ¹Laboratoire d'Oncologie Moléculaire, Institut de Recherches Sur le Cancer, Villejuif Cedex, France; ²Centre de Génétique Moléculaire, INSERM, Paris, France; ³Laboratoire de Mutagenèse Moléculaire, Institut de Recherches Sur le Cancer, Villejuif Cedex, France
"Statistical analysis of more than 200 point mutations in human p53 gene" 18
- Friend, S.H. Massachusetts General Hospital Cancer Center, Charlestown, Massachusetts
"Germ line p53 mutations and cancer risks" 19
- Yokota, J., Sameshima, Y., Okamoto, A., Yuki, H., Sugimura, T., and Terada, M. Section of Studies on Metastasis and Genetics Division, National Cancer Center Research Institute, Tokyo, Japan
"Somatic and germ-line mutations of the p53 gene in human cancer" 20
- Cheng, J., Yeargin, J., Yu, A., Gjerset, R., Bogart, M., and Haas, M. University of California San Diego Cancer Center, Departments of Pathology, Biology, Pediatrics and Genetics, San Diego, California
"Somatic p53 mutation in primary acute lymphoblastic T-leukemia cells and in a T-ALL cell line grown from them" 21

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Metcalf, R.A.¹, Welsh, J.A.¹, Vahakangas, K.¹, Bennett, W.P.¹, Gu, J.R.², and Harris, C.C.¹ ¹Laboratory of Human Carcinogenesis, NCI, Bethesda, Maryland; ²Department of Biochemistry and Molecular Biology, Shanghai Cancer Institute, PRC
"p53 and K-ras mutations in nonsmoking Chinese women" 58

Hsu, I.-C.¹, Metcalf, R.A.², Tokiwa, T.², Chen, J.¹, Sun, T.⁴, Sun, C.J.¹, Wang, N.J.³, Welsh, J.², and Harris, C.C.² ¹Department of Pathology, University of Maryland, Baltimore, Maryland; ²Laboratory of Human Carcinogenesis, NCI, Bethesda, Maryland; ³Qidong Liver Cancer Institute, Jiangsu, China; ⁴Cancer Institute, CAMS, Beijing, China
"p53 gene mutation in human liver cancers" 59

Brash, D.E.¹, Rudolph, J.A.¹, Simon, J.A.¹, Lin, A.¹, McKenna, G.J.¹, Baden, H.P.², Halperin, A.J.³, and Ponten, J.⁴ ¹Department of Therapeutic Radiology, Yale School of Medicine, New Haven, Connecticut; ²Department of Dermatology, Massachusetts General Hospital, Boston, Massachusetts; ³Dermatopathology Associates of New York, New Rochelle, New York; ⁴Department of Pathology, University Hospital, Uppsala, Sweden
"A role for sunlight in skin cancer: p53 mutations in squamous cell carcinoma" 60

Wiseman, R.¹, Moore, M.², Cochran, C.¹, Levine, A.², and Soderkvist, P.¹ ¹Laboratory of Molecular Carcinogenesis, NIEHS, Research Triangle Park, North Carolina; ²Department of Molecular Biology, Princeton University, Princeton, New Jersey
"Characterization of p53 mutations and allelic losses on chromosome 4, 11, and 14 in butadiene-induced tumors of B6C3F1 mice" 61

Rittling, S.R., and Denhardt, D.T. Department of Biological Sciences, Rutgers University, Piscataway, New Jersey
"p53 mutations in spontaneously immortalized 3T3 and 3T12 mouse cell lines" 62

Goodrow, T.L.¹, Wiseman, R.W.², Leander, K.R.¹, Storer, R.D.¹, and Bradley, M.O.¹ ¹Merck, Sharp and Dohme Laboratories, West Point, Pennsylvania; ²NIEHS, Research Triangle Park, North Carolina
"Point mutations in p53 in spontaneous and chemically-induced murine lung tumors and lymphomas" 63

Halevy, O.^{1,2}, Rodel, J.¹, Peled, A.¹, and Oren, M.¹ ¹Department of Chemical Immunology, The Weizmann Institute of Science, Rehovot, Israel; ²Department of Animal Science, Hebrew University, Rehovot, Israel
"Frequent p53 mutations in chemically-induced mouse fibrosarcoma" 64

Riou, G., and Barrois, M. Laboratoire de Pharmacologie Clinique et Moléculaire, Institut Gustave Roussy, Villejuif, France
"Association of low p53 mRNA level with invasive cervical cancers of poor prognosis" 65

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Zeheb, R., McCormack, S., Sorensen, C., Reynolds, F., and Sorvillo, J.M. Oncogene Science Inc., Manhasset, New York
"Quantitation of mutant p53 in mammalian cell extracts" 66

Tainsky, M.A., Bischoff, F.Z., and Strong, L.C. Departments of Tumor Biology and Experimental Pediatrics, University of Texas M.D. Anderson Cancer Center, Houston, Texas
"p53 germline mutations in Li-Fraumeni patients and their role in genomic instability and immortalization" 67

Johnson, P., Peacock, J., and Benchimol, S. Department of Medical Biophysics, University of Toronto/Ontario Cancer Institute, Toronto, Ontario, Canada
"Characterization of a p53 mutant for gain of function" 68

Slingerland, J., and Benchimol, S. Ontario Cancer Institute and Department of Medical Biophysics, University of Toronto, Toronto, Ontario, Canada
"Transforming potential of human mutant p53" 69

Milner, J., and Medcalf, E. Department of Pathology, University of Cambridge, Cambridge, United Kingdom
"Co-translation of activated mutant p53 with wild-type drives the wild-type protein into the mutant conformation" 70

Olson, D.G., and Levine, A.J. Department of Molecular Biology, Princeton University, Princeton, New Jersey
"Mutant murine p53 molecules with unique structures" 71

Harvey, D., and Levine, A.J. Department of Molecular Biology, Princeton University, Princeton, New Jersey
"Status of p53 in spontaneously immortalized murine embryo fibroblast lines" 72

Quartin, R.S., Finlay, C.A., Johnson, R., Chu, S., and Levine, A.J. Department of Molecular Biology, Princeton University, Princeton, New Jersey
"Cellular transformation by mutant human p53 DNA clones and ras" 73

6 pm

Dinner

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SESSION B: The Multisystems Approach to the Study of p53 Chairs

C. Finlay, Princeton University, New Jersey USA
E. May, Institut de Recherches Sur le Cancer, France

8 pm

Lane, D.P.¹, Gannon, J.V.², Wilcock, D.², Midgley, C.¹, and Bartek, J.³
¹Cancer Research Campaign Laboratories, University of Dundee, Dundee, United Kingdom; ²ICRF, Clare Hall Laboratories, Hertfordshire, United Kingdom; ³Masaryk Institute of Oncology, Brno, Czechoslovakia
"Controls on p53 protein expression in tumour cells and virus infected cells" 26

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Bernstein, A., Lavigueur, A., and Ben-David, Y. Division of Molecular and Developmental Biology, Samuel Lunenfeld Institute, and Department of Molecular and Medical Genetics, University of Toronto, Toronto, Ontario, Canada
"Induction of erythroleukemia by Friend virus in normal and p53 transgenic mice" 27

Bischoff, J.R., Casso, D., and Beach, D. Howard Hughes Medical Institute, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
"A yeast system to study human p53" 28

9:30 pm Break

9:45 pm Zambetti, G.P.¹, Labow, M.A.², and Levine, A.J.¹ ¹Department of Molecular Biology, Princeton University, Princeton, New Jersey; ²Department of Molecular Genetics, Hoffman LaRoche, Nutley, New Jersey
"Mutant p53 is required for the maintenance of transformation" 29

Legros, Y.¹, Lacabanne, V.², Ben Salem, S.¹, Baney, C.¹, Méchali, M.³, Pla, M.², and Soussi, T.¹ ¹Centre de Génétique Moléculaire, INSERM, Paris, France; ²INSERM, Hopital St. Louis, Paris, France; ³Institut Jacques Monod, CNRS, Paris, France
"The oncoprotein p53: New tools, new system: And new results?" 30

10:45 pm Refreshments Forbes College

* * * * *

Sunday, June 23
7-8:30 am Breakfast Forbes College

SESSION C: Viral Oncogene-p53 Interactions Chairs

D. Simmons, University of Delaware, Delaware USA
S. Tevethia, University of Pennsylvania, Pennsylvania USA

9 am Scheffner, M., Hübbrechtse, J.M., Münger, K., and Howley, P.M. Laboratory of Tumor Virus Biology, NCI, Bethesda, Maryland
"HPV transforming protein E6: Interaction with p53 and relevance in cervical carcinogenesis" 31

Srinivasan, A.¹, Chen, J.¹, Van Dyke, T.¹, Peden, K.W.C.², and Pipas, J.M.¹ ¹Department of Biological Sciences, University of Pittsburgh, Pittsburgh, Pennsylvania; ²Laboratory of Molecular Microbiology, NIAID, NIH, Bethesda, Maryland
"Multiple transforming functions of the SV40 large T antigen: Cell-type specificity of action in established cell lines and transgenic mice" 32

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Manfredi, J.J., and Prives, C. Department of Biological Sciences,
Columbia University, New York, New York
"A test of the tumor suppressor model for SV40 large T
antigen-mediated oncogenesis: effect of p53-binding large T
antigens on the anti-proliferative activity of p53" 33

10:30 am Break

11 am Schnieg, F.I., and Simmons, D.T. School of Life and Health
Sciences, University of Delaware, Newark, Delaware
"Construction and analysis of p53 mutants with changes in conserved
region II: Evidence for a role in T antigen binding" 34

Dobbelstein, M., Arthur, A., and Fanning, E. Institute for
Biochemistry, Munich, Germany
"Rb binding activity of SV40 T antigen cooperates with at least
two other functions of T antigen to stimulate DNA synthesis in
quiescent cells" 35

van den Heuvel, S.J.L., van Laar, T., Jochemsen, A.G., and van der
Eb, A.J. Department of Medical Biochemistry, Sylvius Laboratory,
University of Leiden, Leiden, The Netherlands
"Functional effect of p53/E1B-55kD association" 36

1 pm Lunch Forbes College

2-3:30 pm Poster Session

Michael-Michalovitz, D., Yehiely, F., Gottlieb, E., and Oren, M.
Department of Chemical Immunology, The Weizmann Institute of
Science, Rehovot, Israel
"The anti-proliferative effect of wild-type p53 is relieved by SV40
large T antigen in the absence of stable large T-p53 binding" 74

Shaulsky, G., Goldfinger, N., and Rotter, V. Department of Cell
Biology, The Weizmann Institute of Science, Rehovot, Israel
"Nuclear localization and activity of the wild-type p53 growth
regulator" 75

Ginsberg, D.¹, Michael-Michalovitz, D.¹, Mechta, F.², Yaniv, M.²,
and Oren, M.¹ ¹Department of Chemical Immunology, The Weizmann
Institute of Science, Rehovot, Israel; ²Department of Biotechnology,
Pasteur Institute, Paris, France
"Wild-type p53 - subcellular localization and possible function" 76

Lin, J.-Y., and Simmons, D.T. School of Life and Health Sciences,
University of Delaware, Newark, Delaware
"The ability of large T antigen to complex with p53 is essential for
the increased lifespan and partial transformation of human cells of
SV40" 77

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Yew, P.R., and Berk, A.J. Department of Microbiology and Molecular Genetics, University of California, Los Angeles, California
"BRK transformation by adenovirus 2 early 1B 55K mutants correlates with ability to bind p53" 78

Huibregtse, J.M., Scheffner, M., and Howley, P.M. Laboratory of Tumor Virus Biology, NCI, NIH, Bethesda, Maryland
"Complex formation between HPV E6 protein and p53 requires an additional cellular factor" 79

Cheng, J., Yee, J.-K., Yeager, J., Friedmann, T., and Haas, M. Departments of Pathology, Pediatrics and Biology, University of California Cancer Center, San Diego, California
"Suppression of the tumorigenic phenotype of a human acute lymphoblastic leukemia T-cell line by the introduction of a retrovirus construct encoding wild-type p53" 80

Martinez, J., Georgoff, I., Martinez, J., and Levine, A.J. Department of Molecular Biology, Princeton University, Princeton, New Jersey
"p53 acts as a negative regulator of cell division: Characterization of a model using the temperature sensitive mutant murine p53^{val135}" 81

Grunwald, D., Khochbin, S., Lawrence, J.-J. Laboratoire de Biologie Moléculaire du Cycle Cellulaire, INSERM, Grenoble Cedex, France
"Cell cycle dependent localization of endogenous p53 in murine erythroleukemia cells" 82

Gerwin, B.I.¹, Spillare, E.¹, Forrester, K.¹, Welsh, J.A.¹, Lehman, T.A.¹, Baker, S.J.², Vogelstein, B.², and Harris, C.C.¹ ¹Laboratory of Human Carcinogenesis, NCI, NIH, Bethesda, Maryland; ²The Oncology Center, The Johns Hopkins University School of Medicine, Baltimore, Maryland
"Analysis of expression of WT- and Mt-p53 in SV40 T-antigen expressing immortalized human bronchial epithelial cells (BEAS-2B)" 83

Chin, K.-V.¹, Ueda, K.², Pastan, I.¹, and Gottesman, M.M.¹ ¹Laboratory of Cell Biology and Laboratory of Molecular Biology, NCI, Bethesda, Maryland; ²Department of Agricultural Chemistry, Kyoto University, Kyoto, Japan
"Ras and p53 regulate activity of the promoter of the human multidrug resistance gene" 84

Chen, T.-M., and Defendi, V. Department of Pathology, New York University Medical Center, New York, New York
"Functional interaction in 3T3 cells of p53 and HPV18 E6, c-myc and H-ras" 85

Beenken, S.W.¹, Karsenty, G.², Raycroft, L.², and Lozano, G.² ¹University of Alabama, Birmingham, Alabama; M.D. Anderson Cancer Center, Houston, Texas
"Protein binding of intron 4 is required for p53's transforming ability in vitro" 86

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Neufeld, G., and Peretz, D. Department of Biology, Technion, Israel
Institute of Technology, Technion City, Haifa, Israel
"The content of blood in tumors that develop from *ras* transformed
cells is correlated inversely with tumor growth rates" 87

Ciechanover, A.¹, DiGiuseppe, J.A.², Bercovich, B.¹, Orian, A.¹,
Richter, J.D.³, Schwartz, A.L.², and Brodeur, G.M.² ¹Department of
Biochemistry, Faculty of Medicine and the Rappaport Institute for
Research in the Life Sciences, Technion-Israel Institute of
Technology, Haifa, Israel; ²Edward Mallinckrodt Department of
Pediatrics and Division of Hematology- Oncology, Children's Hospital
and Washington University School of Medicine, St. Louis, Missouri;
³Cell Biology Group, Worcester Foundation for Experimental Biology,
Shrewsbury, Massachusetts
"The ubiquitin system and degradation of nuclear oncoproteins" 88

Hulboy, D.L., and Lozano, G. Department of Molecular Genetics, The
University of Texas M.D. Anderson Cancer Center, Houston, Texas
"Domain analysis of the transcriptional activator p53" 89

Ronen, D.¹, Reisman, D.², and Rotter, V.² ¹Department of Human
Microbiology, Sackler School of Medicine, Tel-Aviv University,
Tel-Aviv, Israel; Department of Cell Biology, The Weizmann Institute
of Science, Rehovot, Israel
"Transcriptional transactivation of p53 protein in transformed
cells" 90

SESSION D: p53-DNA Binding Chairs

M. Oren, The Weizmann Institute, Israel
J. Pipas, University of Pittsburgh, Pennsylvania USA

3:30 pm Kern, S.E., Kinzler, K.W., Baker, S.J., Nigro, J.M., Rotter, V.,
Levine, A.J., Friedman, P., Prives, C., and Vogelstein, B. Oncology
Center and Department of Pathology, The Johns Hopkins University
School of Medicine, Baltimore, Maryland
"Mutant p53 proteins bind DNA abnormally" 37

Weißker, S., Homfeld, A., and Deppert, W. Heinrich-Pette-Institut
für Experimentelle Virologie und Immunologie, Hamburg, Federal
Republic of Germany
"Specific and complex DNA binding properties of mouse p53" 38

Friedman, P.¹ Bargonetti, J.¹, Kern, S.², Vogelstein, B.², and
Prives, C.¹ ¹Department of Biological Sciences, Columbia
University, New York, New York; ²Department of Pathology, Johns
Hopkins School of Medicine, Baltimore, MD
"Mutant oncogenic p53 proteins differ in structure and function from
wild type p53" 39

6 pm

Dinner

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SESSION E: p53 Transactivations

Chairs

J. Milner, University of Cambridge, United Kingdom
A. Bernstein, Mt. Sinai Hospital Research Institute, Canada

8 pm Bartel, P.L., and Fields, S. Department of Microbiology, State University of New York at Stony Brook, Stony Brook, New York
"Identification of yeast proteins that bind to p53" 40

Lozano, G., Raycroft, L., Yoas, K., and Schmidt, J. Department of Molecular Genetics, The University of Texas, M.D. Anderson Cancer Center, Houston, Texas
"Correlation of p53 tumor suppression and transcriptional activation" 41

Miller, C.W., Aslo, A., Simon, K., Chen, D.L., and Koeffler, H.P. Division of Hematology/Oncology, Center for the Health Sciences and Cedar-Sinai Medical Center, University of California Los Angeles, Los Angeles, California
"Diverse effect of naturally occurring mutations on transcriptional activation by p53" 42

Unger, T.¹, Nau, M.M.¹, Segal, S.¹, and Minna, J.D.² ¹NCI, Navy Medical Oncology Branch, Uniformed Services University of the Health Sciences, Bethesda, Maryland; ²Simmons Cancer Center, University of Texas Southwestern Medical Center, Dallas, Texas
"p53 mutants display a complex array of transcriptional activity in human lung cancer cells" 43

10 pm Refreshments Forbes College

* * * * *

Monday, June 24
7-8:30 am Breakfast Forbes College

SESSION F: p53/Rb Structure Function Relationships

Chairs

C. Prives, Columbia University, New York USA
G. Lozano, M.D. Anderson Cancer Center, Texas USA

9 am Milne, D.M., Palmer, R.H., and Meek, D.W. MRC Protein Phosphorylation Unit, Department of Biochemistry, The University of Dundee, Dundee, United Kingdom
"Phosphorylation of the tumour suppressor protein p53 at two ^{three} N-terminal sites by a novel casein kinase I-like enzyme" 44

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Wang, Y., and Eckhart, W. Molecular Biology and Virology Laboratory, The Salk Institute for Biological Studies, San Diego, California
"Mutation of phosphorylation sites in the amino terminal region of murine p53" 45

Montenarh, M., Herrmann, C.P.E., and Lorenz, A. Department of Biochemistry, University of Ulm, Ulm, Federal Republic of Germany
"Association of a protein kinase activity with immunopurified p53" 46

10:30 am Break

11 am Reisman, D., Rone, D., and Rotter, V. Department of Cell Biology, Weizmann Institute of Science, Rehovot, Israel
"Site specific binding by c-myc to the p53 promoter: A target for *trans*-activation by c-myc" 47

Mittnacht, S., Hinds, P.W., Dowdy, S., and Weinberg, R.A. Whitehead Institute for Biomedical Research, Cambridge, Massachusetts
"Interaction of the retinoblastoma protein with nuclear components" 48

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Chine
Chen, P.-L., Lee, E., and Lee, W.-H. Center for Molecular Medicine, Institute of Biotechnology, University of Texas Health Science Center, San Antonio, Texas
"Molecular basis of cancer suppression by the human tumor suppressor genes" 49

1 pm Lunch Forbes College

SESSION G: p53 Transformation and Negative Growth Regulation Chairs

D. Lane, Dundee University, United Kingdom
T. Soussi, Institut de Genetique Moleculaire, France

2 pm Ginsberg, D., Michael-Michalovitz, D., Yonish-Rouach, E., and Oren, M. Department of Chemical Immunology, The Weizmann Institute of Science, Rehovot, Israel
"Antiproliferative effects of p53: Mechanistic aspects" 50

Hicks, G.G., Paraskevas, F., Sauder, M., Stewart, N. and Mowat, M. Manitoba Institute of Cell Biology, University of Manitoba, Manitoba, Winnipeg, Canada
"Negative growth regulation by p53 in transformation" 51

Shaulsky, G., Goldfinger, N., Peled, A., and Rotter, V. Departments of Cell Biology and Chemical Immunology, The Weizmann Institute of Science, Rehovot, Israel
"Wild type p53 expression mediates pre-B cell differentiation" 52

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*in vivo significance:
in mouse and man!

What about K/O mice?

*Transcription factor

*Apoptosis!!

Mercer, W.E., Shields, M.T., Lin, D., Appella, E., and Ullrich, S.J.
Department of Pathology and Fels Research Institute, Temple
University School of Medicine, Philadelphia, Pennsylvania and
Laboratory of Cell Biology, NCI, NIH, Bethesda, MD 20892
"Biology of human p53 in cell cycle regulation:
Antiproliferative effects" 53

Shaw, P., Tardy, S., Sahli, R., Costa, J., and Bovey, R. Division
of Experimental Oncology, Institute of Pathology, Lausanne,
Switzerland
"Wild type p53 expression in a colon tumor derived cell line
suppresses colony formation in soft agar and tumor formation in
nude mice" 54

6:30 pm Banquet Prospect House

* * * * *

Tuesday, June 25

7-8:30 am Breakfast Forbes College

SESSION H: Rb
Chair

A.J. Levine, Princeton University, New Jersey USA

9 am Livingston, D. Harvard University School of Medicine, Boston,
Massachusetts
"The retinoblastoma gene product"

Harlow, E. Massachusetts General Hospital Cancer Center,
Charlestown, Massachusetts

10:30 am Break

11 am Meeting Overview: Lane, D.

1 pm Lunch and Depart Forbes College

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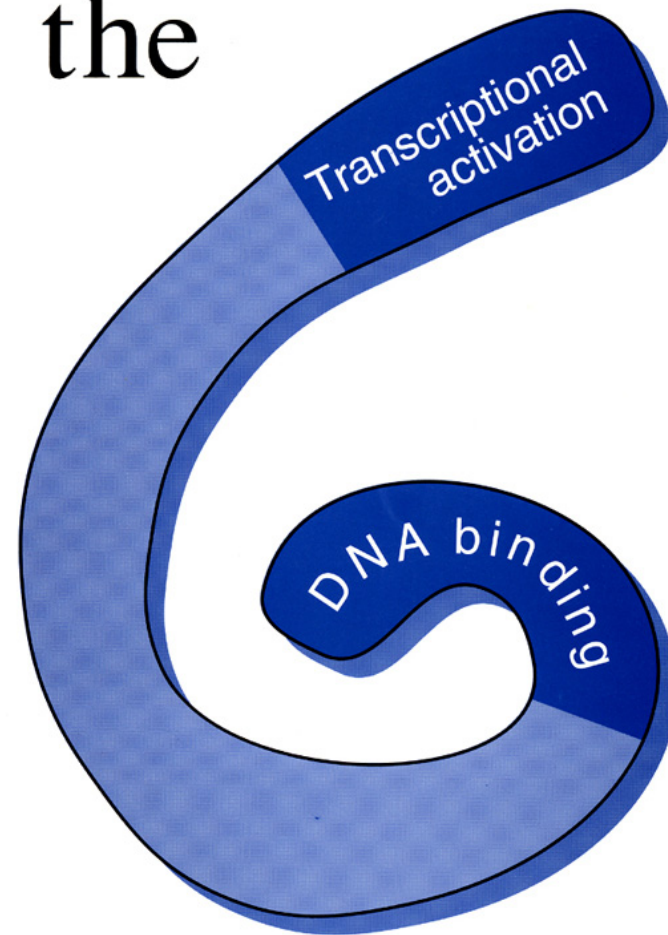
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6th p53 WORKSHOP

November 1-5, 1992
Ganei Hamat Hotel
Tiberias, Israel

PROGRAM AND ABSTRACTS

The Weizmann Institute of Science, Rehovot 76100, Israel

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Sunday, November 1

Afternoon: Arrival and Registration

19:30 Opening Reception and Dinner

Monday, November 2

Session I: p53-Related Alterations in Human Cancer

Chair: Sir Walter Bodmer and Arnold J. Levine

09:00 **Functional and mutational spectral analyses of p53 gene involvement in carcinogenesis**
Curtis C. Harris (Bethesda) [1]

09:30 **Multifactorial analysis of p53 alterations in human cancer**
Thierry Soussi (Paris) [2]

10:00 **An analysis of p53 mutations in breast cancer**
Jane Prosser (Edinburgh) [3]

10:30 Coffee Break

11:00 **Properties of a mutant p53 protein associated with Li-Fraumeni syndrome**
Shiva Srivastava (Bethesda) [4]

11:30 **p53 in hepatocellular carcinoma**
Mehmet Öztürk (Lyon) [5]

12:00 **Role of p53 mutations in B cell lymphomas**
Klas G. Wiman (Stockholm) [6]

12:30 **Antiproliferative effect of p53 gene on a variety of human tumor cells**
Peter Chumakov (Moscow) [7]

13:00 Lunch Break

Session II: Animal Models for Studying p53 Functions

Chair: Michael Feldman and Jo Milner

14:30 **Normal and leukemic hematopoiesis in p53 transgenic mice**
Jonathan M. Lee (Toronto) [8]

15:00 **Temporal order and significance of the dominant acting oncogene *Fli-1* and the tumour suppressor gene *p53* during the multistage progression of erythroleukemia cells induced by the Friend murine leukemia virus**
Yaacov Ben-David (Toronto) [9]

15:30 **Generation and characterization of p53-deficient mice**
Lawrence A. Donehower (Houston) [10]

16:00 Coffee Break

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[Session II, continued]

- 16:30 **Skin tumour development in p53 "knockout" null and hemizygous mice**
Christopher J. Kemp (Glasgow) [11]
- 16:45 **Involvement of wild type p53 in cell differentiation**
Varda Rotter (Rehovot) [12]
- 17:15 **Wild type p53 induces terminal differentiation in metastatic human osteogenic sarcoma cells**
Menashe Bar-Eli (Houston) [13]
- 17:30 **POSTER VIEWING AND DISCUSSION**

20:00 *Dinner at the Lido*

Tuesday, November 3

Session III: Protein-Protein Interactions (1)

Chair: Wolfgang Deppert and John R. Jenkins

- 09:00 **The functions of the p53 protein**
Gerard Zambetti (Princeton) [14]
- 09:30 **A minimal transforming domain of p53: evidence for negative dominance**
Moshe Oren (Rehovot) [15]
- 10:00 **Properties of the Mdm-2/p53 complex**
Jamil Momand (Princeton) [16]
- 10:15 **The mdm-2 oncogene can overcome wild-type p53 suppression of transformed cell growth**
Cathy A. Finlay (Princeton) [17]
- 11:15 **Carboxyl tales of p53**
Jo Milner (York) [18]
- 11:45 **Regulation of the expression and function of p53**
David P. Lane (Dundee) [19]
- 12:15 **Regulation of p53 by phosphorylation**
David W. Meek (Dundee) [20]
- 12:45 **Structural and functional aspects of p53 protein from human tumors and tumor cell lines**
Matthias Montenarh (Ulm) [21]

10:45 *Coffee Break*

13:15 *Lunch Break*

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Session IV: Protein-Protein Interactions (2)

Chair: Curtis C. Harris and David P. Lane

- 15:00 **The interaction between the E6 protein of the human papillomaviruses and p53**
Jon Huibregtse (Bethesda) [22]
- 15:30 **Interactions between p53 and human papillomavirus E6 proteins**
Karen Vousden (London) [23]
- 16:00 **Wild-type p53 cooperates with SV40 large T antigen in cellular transformation**
Wolfgang Deppert (Hamburg) [24]
- 16:30 *Coffee Break*
- 17:00 **Mutational inactivation of p53 in experimental models of chemically induced malignant transformation**
Pierre May (Villejuif) [25]
- 17:30 **Multiple phenotypes of p53 mutants with changes in conserved region II**
Daniel T. Simmons (Newark, Delaware) [26]
- 18:00 **Is p53 a chromatin protein?**
Jean-Jacques Lawrence (Grenoble) [27]

18:30 *Dinner*

20:00 **POSTER VIEWING AND DISCUSSION**

22:00 *Drinks and Show*

Wednesday, November 4

Session V: Targets of p53 and Transcriptional Activity

Chair: Yossi Aloni and Pierre May

- 09:00 **Structural and functional analysis of wild-type and mutant p53 proteins**
Carol Prives (New York) [28]
- 09:30 **Structural and functional aspects of p53's DNA-binding ability**
Scott E. Kern (Baltimore) [29]
- 10:00 **Human p53 protein encodes a DNA strand reassociation activity**
John R. Jenkins (Oxford) [30]
- 10:30 **Transactivation and DNA binding properties of self-association defective mutant p53 proteins**
Marina Tarunina (Oxford) [31]

10:45 *Coffee Break*

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[Session V, continued]

- 11:15 **p53 transcriptional autoregulation**
Gigi Lozano (Houston) [32]
- 11:45 **Mutant p53 proteins from human cancers exhibit variability in their transcriptional and DNA binding activities**
Tamar Unger (Bethesda) [33]
- 12:00 **Transcriptional regulation by p53**
Thomas Shenk (Princeton) [34]
- 12:30 **Wild type p53 can repress transcription initiation in vitro**
Yossi Aloni (Rehovot) [35]

12:45 Lunch Break

Session VI: Cell Cycle and Suppressor Activity

Chair: David Givol and Sam Benchimol

- 14:45 **Wild-type p53: a cell cycle checkpoint determinant following irradiation**
Michael B. Kastan (Baltimore) [36]
- 15:15 **Genetic regulation of genomic fluidity in normal and neoplastic cells**
Thea D. Tlsty (Chapel Hill) [37]
- 15:30 **Expression of the cellular p53 gene in leukemia cells**
Sam Benchimol (Toronto) [38]
- 16:00 **p53 in progression of chronic myelogenous leukemia**
Eli Canaani (Rehovot) [39]
- 16:45 **Developmental expression of p53 in *Xenopus laevis***
Marcel Méchali (Paris) [40]
- 17:00 **The role of tumor suppressor genes in normal *Xenopus* development**
Thierry Frebourg (Charlestown) [41]
- 17:30 **Use of inhibitory cytokines for isolating and studying tumor suppressor genes**
Adi Kimchi (Rehovot) [42]
- 18:00 **p53 and RB inhibit cell cycle progression by two distinct pathways**
Wen-Hwa Lee (San Antonio) [43]
- 18:30 **POSTER DISCUSSION AND COFFEE**

16:15 Coffee Break

20:00 Gala Dinner

Thursday, November 5

Departure

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SUNDAY, June 19

Afternoon: Arrival and Registration

6:30 p.m. Dinner

Session 1: Tumor Development and Progression (1)

Chair: Stephen Friend

8:30 - 8:55

Clinical Implications of Germline p53 Mutations
Stephen Friend

8:55 - 9:20

p53 Mutational Spectrum in Human Cancers: Clues to Cancer Etiology and Molecular Pathogenesis
Curtis Harris (1)

*9:20 - 9:35

Wild-type p53 Protein Undergoes Nuclear Exclusion in Undifferentiated Neuroblastomas but not in Differentiated Tumors.
Ute Moll (2)

*9:35 - 9:50

Mutant p53 Protein Overexpression is Independently Associated with Poor Outcome in Patients with Well or Moderately Differentiated Ovarian Carcinoma
Michael Levesque (3)

9:50 - 10:15

Tumorigenesis Studies Using p53-Deficient Mice
Lawrence A. Donehower (4)

10:15 - 10:40

Germline p53 Mutations and Human Cancer
David Malkin (5)

* 15 minute presentation selected from submitted abstracts

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Monday, June 20

Session II: Tumor Development and Progression (2)

Chair: Wolfgang Deppert

- 9:00 - 9:25 **The p53 Tumor Suppressor Gene. From Molecular to Clinical Investigation: a Discussion**
Thierry Soussi (6-7)
- 9:25 - 9:50 **The Role of p53 in Chemical and Radiation Induced Carcinogenesis in Intact Mice.**
Christopher Kemp (8)
- 9:50 - 10:15 **Endogenous p53 Protein Expression and Function in Tumorigenic Ref Clones Transformed with HPV-16 E7 and EJ-C-ras**
Sam Benchimol (9)
- *10:15 - 10:30 **Conditional Restoration of Wtp53 Expression in Glioblastoma Cells Induces the Release of an Inhibitor of Angiogenesis.**
Erwin G. Van Meir (10)
- *10:30 - 10:45 **Different p53 Mutations are Selected when Mammary Epithelial Cells are Propagated *In Vivo* or *In Vitro*.**
Janet S. Butel (11)

10:45 a.m. Coffee Break

- 11:15 - 11:40 **Regulation of Apoptosis and Differentiation by p53 in F-MuLV Induced Erythroleukemia Cell Lines**
Yaacov Ben-David (12)
- 11:40 - 12:05 **Biology of Wild Type and Mutant p53 in Liver Cells**
Mehmet Ozturk (13)
- *12:05 - 12:20 **Gain-of-Function Mutations of the p53 Gene Induce Lymphohematopoietic Metastatic Potential and Tissue Invasiveness**
Martin Haas (14)
- *12:20 - 12:35 **Association of p53 with Tyrosine Phosphorylated Receptors**
Ximena Montano (15)

12:40 p.m. Lunch

2:30 - 5:30 POSTER SESSION

6:00 p.m. Dinner

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Monday, June 20

Session III:

Structure/Function (1) - DNA Binding

Chair: John Jenkins

7:30 - 7:55

The Molecular Basis of p53 Function

John Jenkins

7:55 - 8:20

Biochemical Activities of p53

Hans Stahl (16)

8:20 - 8:45

Regulation of the Structure and Function of Wild-Type and Mutant Forms of p53

Carol Prives (17)

*8:45 - 9:00

p53 has Distinct Binding Sites for Single Stranded DNA Ends and Internal DNA Segments

Georgy Bakalkin (18)

9:00 p.m. Coffee Break

9:30 - 9:55

Regulation of the DNA Binding Function and Stability of Human p53. Rescuing Wild Type Function from Mutant Proteins

David P. Lane (19)

9:55 - 10:20

Forms and Functions of p53

Jo Milner (20)

10:20 - 10:45

Co-crystal Structure of a p53-DNA Complex at 2.2 Å

Yunje Cho (21)

*10:45 - 11:00

Structure/Function Analysis of the Conformational Flexibility and DNA Binding Activity of p53

Thanos D. Halazonetis (22)

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Tuesday, June 21

Session IV:

Structure/Function (2) - Gene Regulation

Chair: Moshe Oren

9:00 - 9:25

Target Genes of p53
Moshe Oren (23)

9:25 - 9:50

p53 and Sequence Specific Transactivation (SST)
Bert Vogelstein (24)

9:50 - 10:15

Functional Interactions Between p53 Tumor Suppressor Protein and Adenovirus Oncogene Products
Yueqiao Shen (25)

*10:15 - 10:30

Modulation of DNA Binding of p53 by the C-Terminus
Stephen J. Ulrich (26)

10:30 a.m. Coffee Break

11:00 - 11:25

Evidence for a Direct Involvement of p53 in Cellular DNA replication
Wolfgang Deppert (27)

11:25 - 11:50

Cellular Proteins that Bind to p53
Bin Li (28)

11:50 - 12:15

Characterization of the Mechanisms Underlying the HPV E6-Mediated Ubiquitination of p53
Jon Huibregtse (29)

*12:15 - 12:30

Gene Regulation by p53
Leonard Buckbinder (30)

*12:30 - 12:45

Oligomerization and DNA Binding Properties of Wild Type Alternatively Spliced p53 Protein
Yuangang Liu (31)

12:45 p.m. Lunch

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Tuesday, June 21

Session V: Apoptosis and Survival

Chair: Varda Rotter

2:30 - 2:55

Searching for the Function(s) of the p53 Suppressor Gene in Normal Cells
Varda Rotter (32)

2:55 - 3:20

Cell Cycle and Survival as a Function of a p53-Dependent DNA Damage Response Pathway
Michael B. Kastan (33-34)

3:20 - 3:45

The Role of p53 in Anticancer Agent-Induced Apoptosis In Vitro and In Vivo
Scott W. Lowe (35)

*3:45 - 4:00

Wild-type p53 is Not Required for G1-Cell Cycle Arrest following DNA-Damage Induced by Ultraviolet Irradiation or Cisdiammine-Dichloroplatinum (II) Treatment.
Theo van Laar (36)

4:00 p.m. Coffee Break

4:30 - 4:55

Abrogation of Cell Cycle Checkpoint Control in Preneoplastic cells
Thea Tlsty (37)

4:55 - 5:20

Induction of Apoptosis by Transiently Transfected Metabolically Stable wt p53 in Transformed Cell Lines.
Elisheva Yonish-Rouach (38)

5:20 - 5:45

Cell Cycle Control Pathways Modified by p53 Tumor Suppressor Protein
W. Edward Mercer (39)

*5:45 - 6:00

PSK (p53 Serine 34 Kinase). A Novel UV- and Growth Factor-Stimulated Protein Kinase Phosphorylates Mouse p53 at Serine 34, a Major Site of Phosphorylation in the Cell
David W. Meek (40)

*6:00 - 6:15

Role of p53 in Nucleotide Excision Repair
Bohdan Wasylyk (41)

6:45 p.m.

Cruise on board The Lady Muskoka
Complimentary hors d'oeuvres
Cash Bar

8:30 p.m.

Dinner

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Wednesday, June 22

Session VI: Structure/Function (3) - Gene Regulation

Chair: Arnold J. Levine

8:45 - 9:10 **Two Critical Amino Acids in the N-Terminal Domain of the p53 Protein are Required for Transcriptional Activation by Wild-Type and Some Mutant p53 Proteins as well as the Binding of MDM-2 and AD5 E1B-55KD Oncogene products.**
Arnold J. Levine (42)

9:10 - 9:35 **Apoptosis, Chromosomal Damage and the p53 Tumour Suppressor Protein**
Alan Bernstein (43)

9:35 - 10:00 **p53 Growth and Transformation Suppression Functions**
Karen Vousden (44)

*10:00 - 10:15 **Study of the Mechanism of p53 Transcriptional Regulation**
Xuan Liu (45)

*10:15 - 10:30 **p53 Regulates the Human Epidermal Growth Factor Receptor Promoter Using its TBP-Binding Domain**
Sumitra Deb (46)

10:30 a.m. Coffee Break

11:00 - 11:25 **Factors Affecting p53 Expression and Function**
Guillermo Lozano (47)

*11:25 - 11:40 **Cytoplasmic p53 Binds Ribosomes and p53 mRNA**
Robert Carroll (48)

*11:40 - 11:55 **Conformational Change and Phosphorylation Modulate the Transcriptional Activity of Human p53 which may be Involved in Diverse Cellular Pathways**
Wei Zhang (49)

12:00 p.m. Lunch and Departure

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 - 134 **The Delivery of p53 Protein into Cells**
RI Shapiro, C Moore, FR Taylor, SE Fawell
 - 135 **Transcriptional Repression by C-terminal p53 Fragments**
E Shaulian, I Habib, M Oren
 - 136 **Human p53 Specific DNA Binding Activity is Regulated by Post-Translational Modification**
PH Shaw, R Iggo
 - 137 **Immunohistochemistry of the p53 Gene Expression in HPV Induced Condyloma Acuminata**
T Shkolnik, Y Tendler, V Rotter
 - 138 **Variation in p53 Conformation during Keratinocyte Differentiation**
DF Spandau
 - 139 **Upregulation of p53 in Cervical Carcinoma Cells upon withdrawal of Viral Oncogenes**
D Spitkovsky, P Jansen-Dürr, F Aengeneyndt, M von Knebel Doeberitz
 - 140 **Structural and Functional Characteristics of p53 in Adenovirus type 12-Transformed Cells: Mutant or Wild-Type?**
WT Steegenga, A Shvarts, T van Laar, AG Jochemsen, AJ van der Eb
 - 141 **Germ-Line Exclusion of a Single p53 Allele by Premature Termination of Translation in a Li-Fraumeni Syndrome Family**
MC Stolzenberg, L Brugières, M Gardes, F Dessarps-Freichy, A Chompret, B Bressac, G Lenoir, C Bonatti-Pellié, J Lemerle, J Feunteun
 - 142 **Suppression of the Human MDR1 Downstream Promoter by Wild-Type and Mutant Human p53: A New p53-Responsive Element**
BE Strauss, M Haas
 - 143 **Identification of a Novel Cellular Target Protein for p53**
H-W Stürzbecher, B Donzelmann, S Buchhop
 - 144 **Wild-Type p53 Acts as an Auxiliary Oncogene in SV40 Mediated Cell Transformation**
F Tiemann, V Prassolov, P Chumakov, W Deppert
 - 145 **SV40 Small T and Large T Antigens Cooperate in Inducing Stabilization of Tumor-Suppressor p53**
F Tiemann, J Zerrahn, W Deppert
 - 146 **Upstream Region of the Human HSP70 Promoter is Involved in Transactivation by Mutated p53 Genes**
Y Tsusumi-Ishii, N Tsuchida
 - 147 **Serine Mutants of Human p53 in the Activation Domain are Wild-Type for Transformation Suppression, Transactivation and DNA Binding Function**
T Unger, M Scheffner, CL Yee, PM Howley

1994

The seventh p53 workshop


Toronto, Canada
Muskoka

Just more good news:

*p53-DNA Crystals appeared!!

*K/O mice-grow tumors!!

*Germ line p53 mutations!!

- 
- 148 **Association of p53 Protein Expression with Benzo (A) Pyrene-Diolepoxide-DNA Adducts**
KH Vähäkangas, M Rämelt, T Taplainen, K Järvinen, NM Bjelogrić, T Turpeenniemi-Hujanen, K Castrén, P Pääkkö
- 149 **Timing of p53 Alterations in UV-B Induced Skin Tumors of Hairless Mice**
HJ van Kranen, FR de Gruijl, PW Wester, HCM Senden, A de Vries, SGP de Waal-Jacobs, R Berg, CF van Kreijl
- 150 **SV40 Large Antigen Alters p53 Independent of Stable Complex Formation**
JV Vartikar, A Srinivasan, KWC Peden, JM Pipas
- 151 **Regulation of Expression of Mouse Temperature-Sensitive p53 Mutant in Breast Cancer Cell Lines**
B Vojtesek, H Dolezalova, J Kovarik, DP Lane
- 152 **p53 as a Nucleotide Excision Repair Factor-Binding Protein**
XW Wang, H Yeh, K Forester, JHJ Hoeijmakers, G Weeda, EC Friedberg, Z Wang, CC Harris
- 153 **A Study of *Xenopus laevis* p53 Protein: Sequence-specific DNA Binding, Transcriptional Regulation and Oligomerization of p53 Protein are Conserved in Evolution**
Y Wang, G Farmer, T Soussi, C Prives
- 154 **Analysis of Wild-Type p53-Induced Apoptosis in the Presence or Absence of Activated C-MYC**
Y Wang, L Szekely, KP Magnusson, G Klein, KG Wiman
- 155 **High Frequency of P53 Gene and K1-Ras Codon 12 Mutations in Pancreatic Adenocarcinomas**
K Weyrer, M Haun, A Dienstl, F Umlauf, H Feichtinger, K Grünewald
- 156 **High Levels of MDM2 Protein in a Transformed Human Colonic Adenoma Derived Cell Line which Expresses Wild Type p53 Protein: Response of Adenoma Cells to DNA Damage and the Effect of Mutant P53 *In Vivo* and *In Vitro* Growth**
AC Williams, TJ Collard, J Miller, M Moorghen, C Paraskeva
- 157 **A DNA-Binding Domain Maps around the Wild-Type Specific Antigenic Epitope (PAB-246/1620) of the p53 Protein**
R Walkowicz, NB Elkind, D Ronen, Z Reich, V Rotter
- 158 **Increased Stability and Concentration of Wild Type p53 Protein in Metabolically-Labeled Cells: Biochemical and Biological Consequences**
J Yeargin, M Haas
- 159 **Characterization of p53 Specific DNA Targets**
A Zauberman, A Lupo, R Aloni, V Rotter, M Oren

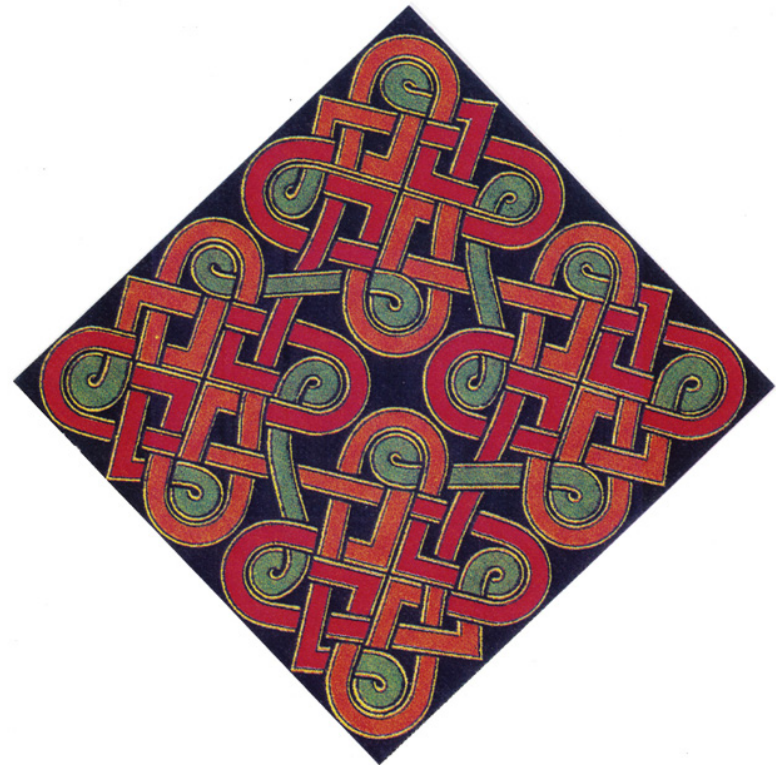
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Relationship!!

8th International
p53 Workshop



Dundee, Scotland
5th-9th July, 1996

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COMPANIES & OTHER ORGANISATIONS HELPING TO FUND THE 8th INTERNATIONAL p53 WORKSHOP

Association for International Cancer Research
British Association for Cancer Research
Cancer Research Campaign
Pathological Society of Great Britain and Ireland

Bayer Corporation
Bristol-Meyers Squibb
Ciba-Geigy
Dako Ltd
Glaxo Wellcome
Invitrogen
Jouan
Meltek Scientific
NovoCastr
Onyx Pharmaceuticals
Pfizer Limited
Pharmacia Biotech
Schering Plough Research Institute
Serotec
Smith Kline Beecham
Scottish Enterprise Tayside
Zeneca

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INTRODUCTION AND WELCOME

Welcome to Dundee! We hope that you enjoy your stay and that the meeting is both enjoyable and productive. We have been assisted by Margaret Barton and Sharon Milne as well as by all the members of our labs in making all the arrangements and we hope that everything goes as planned. We have included in the Abstract Book information about the meeting, about Dundee, about the social activities and other things that may be of interest and, perhaps, even of use. Where appropriate the authors of these contributions have been identified. We hope you find these additions valuable. However we clearly cannot take any responsibility for any inaccuracies and we hope that factual information is as up to date as possible.

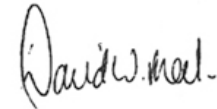
We hope that you enjoy the Workshop and your visit to Scotland.



David Lane



Peter Hall



David Meek

MEETING ORGANISATION

All oral sessions of the Meeting are held in the Lecture Theatre of the West Park Centre and the posters are to be displayed in the West Park Villas. All meals are held in the Main Hall of the Residence except for the Conference Dinner which will be in Bonar Hall. Transport to this and to the other Social Events is organised and further details will be given during the meeting and posted by the Registration desks. Please wear your name badge throughout the Meeting and at all Social events.

Any problems or questions should be addressed to the staff at the Registration Desks, to any local organiser or to local staff members, who will be identifiable by their coloured badges.

LECTURES & POSTERS

Oral presentations are abstracts A1 to A48. **Will speakers kindly note the timings and stick to them. This is essential given the nature of the programme.** Some talks (those by invited speakers) are scheduled for 30 minutes in total i.e. 20 minutes presentation and 10 minutes discussion. Given the nature of the meeting and the audience lengthy introductions are obviously not needed. Short talks are derived from the submitted abstracts and have been chosen on the basis of quality, topicality and novelty: 15 minutes is allocated and this **must include discussion** so speakers should aim at a presentation of NO MORE THAN 8 minutes.

There are three poster sessions:-

- **Session 1** (Saturday) Poster abstracts P1-P52
- **Session 2** (Sunday) Poster abstracts P53-P101
- **Session 3** (Monday) Poster abstracts P102-P149

Posters should be put up before 9 am on the day of the relevant poster session and should stay up for the whole day. Given the tight schedule we hope that you will make the full use of available time (before 9 am and at the end of the days session) as well as the formal Poster session from 11 am. Selected abstracts have been chosen for oral presentation as short talks - we expect these to be presented as posters as well.

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SOCIAL EVENTS

We have arranged three main social events which will we hope be enjoyable as well as giving opportunities for further discussions. Transport to all is already arranged and details will be provided. Please ensure you do not miss any of the buses!

• RRS DISCOVERY & SCOTT OF THE ANTARCTIC

Dundee's sea trading and ship building experience, particularly in the construction of whaling ships, led in 1899 to the National Antarctic Expedition Committee commissioning the building in Dundee of the RRS Discovery. This ship was launched in March 1901 having cost £51,000. It was based upon traditional whaling design with double hull and extra insulation against polar conditions. She undertook a number of surveys and voyages of discovery to the Antarctic commanded by Captain Robert F Scott. Scott died along with his companions Wilson, Oates, Bowers and Petty on the return journey, having reached the south pole one month after the Norwegian Amundsen in January 1912. The RRS Discovery returned to Dundee in 1986 is now a museum of Antarctic exploration.

• GLAMIS CASTLE

Glamis Castle is a magnificent 15th century castle which incorporates earlier structures. The estate was given to Sir John Lyon by Robert the Second and Lyon's son became Lord Glamis in 1445. The 9th Earl became a Bowes Lyon on marrying a Yorkshire heiress called Bowes. The mother of the present Queen was born into this family and grew up at Glamis. The grounds were redesigned by the famous landscape gardener Capability Brown - an act that enraged Sir Walter Scott who preferred a more military style! Glamis is surrounded by history and myth:- in the castle's Duncan's Hall, Macbeth (the thane of Glamis) had supposedly entertained his intended victim!

• CONFERENCE DINNER & CEILIDH (pronounced "kay-lee")

The conference dinner will be held in Bonar Hall next to the main University Campus on the Monday evening, preceded by a reception. The dinner will be followed by a ceilidh or Scottish dance - *the best way to learn is to just join in!!*

• "WHAT IS A CEILIDH?"

"What precisely is a Ceilidh?" wondered the visiting international scientist as she placed the growing pile of conference notes onto the small table in her spartan yet adequate room.

Later these notes would be collated, sorted and, after filtering, certain points could be applied to her exciting research back in her own lab where she knew the meaning of every word and nothing as important as a whole evening's events were so vaguely described or poorly understood. It was expecting the unexpected, the unknown that had made her mind wander as the last speaker of the afternoon concluded his talk. They all had been informed by the otherwise very informative programme that a Scottish ceilidh was an informal gathering of people where they danced and listened to the traditional dance music of Scotland.

"But what does that really tell me?" she asked herself. So much was left unexplained. In more of a Hitchcock than Tarantino fashion it was exciting not knowing what to expect. It allowed her imagination to jump from picturing the RNA for p53 regally travelling (accompanied by yet unidentified waving chaperones) through super constructed nuclear pores, to this less researched phenomenon known only as a "Kay-lee". "Why were there no other words like it?" she puzzled. She had once overheard on a bridge in Kilkenny one old Irish man saying to another "Ah sure, didn't we sit up all night ceilidhing and there wasn't a soul in the house". From this she guessed there was a verb to "Kay-lee". She heard that years ago but never found out what it meant, for when she asked that old man what he had meant, he politely replied with a widening smile "The house was good and empty until they all came back from the hotel". She smiled at him and left, deciding not to pursue the word.

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But that was Ireland. She was now determined to sort this mysterious word out in her head. She knew that by going to the ceilidh and taking part in it, dancing and listening to the music she would experience the phenomenon. She could then translate, categorise and file the word for a time when a conversation would invite the use of such a word. She really thought she had it all sorted. She made sure she was wearing flat comfortable shoes and nothing too warm. They had been told by the programme that due to a lot of jumping, dancing, stepping and birling (the latter is where dancing partners try to centrifugate one another) one should wear sensible clothing akin to that of a logistically planned summer mountain trip. They all thought they could almost see the writer of the last piece of advice holding his hands to his mouth as he gave the innocents his mischievous advice. From some of the "kay-lee" experienced at the meeting she had this advice confirmed so she was gradually building up a mental picture of what to expect. As she boarded the bus with her new and rekindled friends she was becoming more and more sure that she had it all sorted.

On the bus she was told, by a proud Scottish man, resplendent, brave and century reversing in his dress, that the modern yet traditional band would explain how to do all the dances and that she should just follow everyone else, laugh, smile, skip and jump. Most dances were done in small groups of 3 to 6, though there were others. If she did all this she would come away with the real meaning of the word "ceilidh". He said that once everybody was out on that wooden floor by the sea they were all in the same boat. He explained that the pleated tartan skirt reaching from his waist to his knees was known as a kilt. The other parts of his uniform were also very well made, especially the sporran, the pouch worn at the front of his kilt, though she was a bit shy to hold it and give it a good inspection. He also told her if the dancing was too new for her then the music alone would wake up the hi-fi cells and her tympanum, instilled by every note, would dance higher than her feet could ever do. The music would take her running through Glens, over stony fast flowing waters, past purple heather, through forests, over long white sands, into darkened inns, past roaring aromatic log fires, past smiling laughing groups, beyond listening deer on snowy mountain tops and back to the hotel dance floor before the last note had faded and before synaptic vesicles had started to reload.

She was full of excitement as the bus pulled up to the elegant chandeliered hotel. As coelenterates glided in the nearby swelling tide and the sun headed across the Atlantic to wake up distant co-workers, they entered the grand surroundings of the hotel. All were relieved that they attired not too informally but had struck a balance with the etiquette of an elegant dinner and the work ahead in the "Kay-lee" dancing.

After a wonderful, delightful, relaxed, beautifully lit, tasty, wine drinking, laughing, clean lined, people watching, polished cutlery, sparkling glassed dinner and as the band started to quietly set up their instruments she was sure that she knew what lay ahead for the rest of the evening.

Then the music began well all I can tell you is this the feelings her dilated pupils expressed, two minutes later were those of sheer and total
. I hope I have explained to all of you what exactly a "Kay -lee" is!

Declan Lunny

ABOUT DUNDEE

Dundee is located on the estuary of the River Tay on the eastern coast of Scotland roughly midway between Aberdeen and Edinburgh. The population of the city is approximately 174,000. The city has its own repertory theatre, cinema complex, and a number of fine restaurants and pubs. There are also regular concerts in the city including those given by the Royal Scottish National Orchestra and Scottish Chamber Orchestra. The cities of Perth and St. Andrews lie close by, each offering its own cultural aspects and Edinburgh is only an hour away by train or car.

The surrounding countryside offers sandy beaches, sea cliffs, rolling hills and superb mountain scenery with many activities including sailing, mountaineering, hill walking, fishing and golf (with the internationally famous courses at St. Andrews, Carnoustie and Gleneagles as well as many others within easy reach).

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Dundee provides access to other major parts of the country by train (only six hours to London) and daily flights to Manchester. Glasgow and Edinburgh airports are also within easy access (1 hour 30 min. and 1 hour by car respectively) offering international travel to all major destinations in Europe and North America.

One of the spectacular features of Dundee is the Tay bridge connecting Fife (to the south) with Dundee. However, this is the second rail bridge at this site! The first was commissioned by Parliament in 1870 and opened in 1878 having been built to a design by Sir Thomas Bouch. Unfortunately, not long after he was Knighted for this work, the bridge collapsed in a storm while a train was crossing on the night of 28th December 1879, killing 75 passengers and crew! The events of that night are remembered in a famous poem by the Dundonian writer William McGonagall, about whom John Keay has written -

"The combination of perversity, irrelevance, wayward rhymes and confused scansion has earned him the title of "the world's worst poet", a hard won and wholly deserved accolade which is entirely compatible with the affection with which McGonagall is held and the frequency with which he is quoted".

THE VERNACULAR or Dundonian for Beginners

In the following D = Dundonian and E = English

Doctor

- | | |
|--|---|
| D. Ull hay ti git a doctir | D. Goanna fone iz a doctir? |
| E. I need a doctor | E. Please telephone for a doctor |
| D. Gon git iz a doctir | D. Wharzir a doctir wha speeks inglish? |
| E. Would you fetch me a doctor please? | E. Where is there an English speaking doctor? |
| D. Zira doctir aboot? | |
| E. Is there a doctor here? | |

Parts of the Body

Dundonian English

Ankul	Ankle
Ehrum	Arm
Blud	Blood
Breest	Breast
Chist	Chest
Lug	Ear
Eh	Eye
Fais	Face
Fingir	Finger
Fut	Foot

Dundonian English

Haid	Head
Hehrt	Heart
Ja	Jaw
Jiynt	Joint
Lup	Lip
Mooth	Mouth
Mussul	Muscle
Noze	Nose
Shiddir	Shoulder
Theh	Thigh

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Little Bits and Bobs

- | | |
|--------------------------|--------------------|
| D. Coors | D. Hard ti bair |
| E. Of course | E. What bad luck |
| D. Coors no | D. 'saffy |
| E. Of course not | E. How awful |
| D. Nay chans | D. 's brah |
| E. Absolutely not | E. It is wonderful |
| D. Awa yi go | D. Oh meh goad |
| E. You're pulling my leg | E. My goodness |
| D. Nah! | D. Thank goad |
| E. Really! | E. Thank goodness |
| D. Gon yirsel | |
| E. Good luck | |

Sharon Milne

RESTAURANT & PUB GUIDE

This is a brief (and personal) guide to local Dundee restaurants. There are many other excellent restaurants located in Perth and St. Andrews, please ask your helpful locals for details on these. Most places have daily specials which are excellent, ask the server or look for the in-house board. Most restaurants also have excellent vegetarian choices. Reservations are recommended for the restaurants, especially at the weekend. The numbers beside the restaurant names refer to their position on the map. The conference centre is number 1 and the Department of Biochemistry, University of Dundee is number 2.

Food Anyone?

Pierre Victoire (3)

Corner of Castle & Dock Streets (phone 202077) French, cheap to moderately priced (3 course lunch £5, 3 course dinner £10) Open daily 0830 to 2200 and Sundays 1200 to 2100 h.

Het Theatercafe (4)

Dundee Repertory Theatre, Tay Square off Perth Rd. (phone 206699) Varied menu, cheap to moderately priced (see sample menu) Open Mon.-Thurs. 1030 to 2000 and Fri.-Sat. 1030 to 2100 h.

Raffles (5)

18 Perth Rd. (phone 226344) Franco-Scottish menu, moderate to expensively priced. Open Tues-Fri. 1200-1400, 1730-2130 h. Sat. 1130-2230 h.

Biederbeckes (6)

304 Perth Rd. (phone 646281) Pizza, pasta, cajun menu, moderately priced Open daily from 1700 h.

Dandilly's (7)

181-183 Perth Rd (phone 669218) Italian menu, moderately priced Open Tues.-Sat. 1730-2130 h.

Agacan Kebab House (8)

113 Perth Rd. (phone 644227) Turkish Menu, moderately priced Open daily except Mon. 1730-2230 h.

Jahangir Tandoori (9)

1 Session St. (phone 202022) Indian Menu, moderate-expensively priced Open weekdays 1700-midnight, weekends 1700-0100 h.

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Drink Anyone?

Mickey Coyles (12)
Old Hawkhill

Tallys (13)
Old Hawkhill

Laings (14)
8 Roseangle St.

Slatterys (15)
Old Hawkhill

Coffee Anyone?

Het Theatercafe (see address above)

Russels (10) 242 Perth Rd.

Kenealys (11) Perth Rd. near University

Droughty Neighbors (16)
142 Perth Rd.

The Mercantile Bar (17)
100 Commercial St.

The Galleon Bar (18)
2 Whitehall Crescent
(also serves excellent burgers)

Bonnie Kuehl

CONTACT NUMBERS

Tourist Information

4 City Square, Dundee 434664

Taxis

Mr Sandy Guild -
Handy Taxis -
Tele Taxis -

01374 153152
Dundee 225825/815815
Dundee 889333/669333

Chemists

Colin Low -
D. W. Richardson -

205 Perth Road, Dundee 265608
276 Perth Road, Dundee 668050

Train Information

(times & fares for national services)

Dundee 228046

Airports

Edinburgh
Glasgow

0131 333 1000
0141 887 1111

Hospitals

Dundee Royal Infirmary
Ninewells Hospital

Dundee 660111 (Note - Emergencies go here)
Dundee 660111 (No Emergency Room)

Tayside Police HQ

Dundee 223200

Banks

TSB Bank Scotland -
Royal Bank of Scotland

284-286 Perth Road, Dundee 566595
260 Perth Road, Dundee 642156

Care Hire

Avis Rent-A-Car
Budget Rent-a-Car System

411 Clepington Road, Dundee 832264
Balfield Road, Dundee 644664

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International Telephone Codes

AUSTRALIA	00 61	THE NETHERLANDS	00 31
AUSTRIA	00 43	NEW ZEALAND	00 64
CANADA	00 1	RUSSIA	00 7
CZECH REPUBLIC	00 42	SINGAPORE	00 65
FRANCE	00 33	SWEDEN	00 46
GERMANY	00 49	SWITZERLAND	00 41
INDIA	00 91	TAIWAN	00 886
ISRAEL	00 972	TUNISIA	00 216
ITALY	00 39	U.S.A.	00 1

WORLD WIDE WEB AND p53

As many of you will know as an experiment we have placed information about the meeting on a World Wide Web page, accessed through

<http://www.dundee.ac.uk/Biochemistry/>
or through
<http://www.dundee.ac.uk/Pathology/>

We would be very interested to know how useful this was - please let Peter Hall know. We have decided that the Abstracts from the workshop will be available on this site after the meeting, so that others in the fields can access the information presented. This is an experiment and again we are interested in your views as the value of this.

Please let Peter Hall know before the end of the meeting (leave a note at the desk) if you DO NOT wish your abstract to be included on this Web page. In addition we intend that the Names, E-mail addresses and FAX/phone numbers of participants will appear in a Directory attached to this Web page in due course. It seems to us that this will be a way of workers in the field more easily staying (and getting) in touch and will facilitate the work of the organiser(s) of the next workshop. **Again let Peter Hall know if you DO NOT wish your address to be placed on the p53 Web Page.** Finally, if there is additional information that you feel would be useful on the p53 Web page please let Peter Hall know.

Note:- We apologise for the error in the phone and FAX number on the WWW page:- one too many whiskies (PAH)!

WHISKY - a quick guide

Whisky is the Scottish drink. If spelt with an 'e' it is Irish! Whisky has been made and drunk in Scotland for thousands of years and the first tax was imposed in 1644! Malt whisky is made from a watery extract of malted barley distilled in onion shaped *pot stills*. Blended whisky is a mixture of different whiskies including grain whisky and is designed to have a very consistent taste and price. They can be very good (try Old Grouse). However the best whiskies are Malt Whiskies. These are made in small distilleries and each has a very distinctive colour, taste and smell. There are more than 150 different malts that come from a range of different areas. Perhaps the best known area is from the distilleries along the banks of the river Spey. Another important area of whisky production are the islands including Orkney, Skye and Jura. Our favourites, *should you wish to treat us at the bar*, are Highland Park (Orkney), Macallan (Speyside) and Lagavulin (Islay).

Peter Hall, David Meek & David Lane

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THE EIGHTH p53

INTERNATIONAL WORKSHOP

PROGRAMME

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OUTLINE PROGRAMME

Friday 5th July

From 3.00 **Registration**

6.30 **Dinner**

Session 1 **Overviews** *Chair - DP Lane (Dundee)*

7.45 pm **Introductory remarks by DP Lane**

8.00 **AJ Levine (A1) *The Cancer Research Campaign Lecture***
Identification of a new p53 functional domain which is necessary for transcription independent growth suppression

8.30 **CC Harris (A2) p53 Tumour Suppressor Gene: at the crossroads of molecular carcinogenesis, molecular epidemiology and cancer therapy**

9.00 **AJ Wyllie (A3) DNA stability and apoptosis in p53 deficient cells**

9.30 **F McCormick (A4) *The Onyx Lecture***
An adenovirus mutant that replicates in p53 deficient human tumour cells

10.00 **Further discussions in the bar**

Saturday 6th July

7-30 **Breakfast & poster viewing**

Session 2 **Sensing and p53 biology** *Chair - AJ Levine (Princeton)*

9.00 **S Jackson (A5) DNA dependent protein kinase: a paradigm for DNA damage sensing systems**

9.30 **G Wahl (A6) p53 mediated arrest triggered in the absence and presence of DNA damage in normal human fibroblasts**

10.00 **PA Hall (A7) On the ontogeny of the p53 response and its upstream and downstream coupling**

10.30 **E May (A8) Development of a transgenic mouse model which permits an in vivo approach to study wild type p53 properties**

11.00 **Coffee & Poster session 1**

12.30 **Lunch and further poster viewing**

Session 3 **New properties** *Chair - S Jackson (Cambridge)*

2.00 **W Deppert (A9) *The Association for International Cancer Research Lecture***
Characterisation of the 3' → 5' exonuclease activity of the p53 protein

2.30 **T Tlsty (A10) A p53 mutant provides a gain-of-function phenotype affecting cell cycle checkpoint control**

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3.00

Short talks

H-W Sturzbecher (A11/P48) p53 is directly linked to homologous recombination processes via RAD51/RecA protein interaction
P Jackson (A12/P49) Activation of the MCK promoter by p53 involves synergy between distant p53 binding sites and looping out of intervening sequences

3.30

Tea

4.15

Short talks

ME Ruaro (A13/P50) A putative SH3 domain in mp53 is required to mediate GAS1 growth inhibitory effect
JA Bond (A14/P51) p53 transactivation activity is tightly correlated to growth arrest in senescing human fibroblasts
P Shaw (A15/P52) Regulation of specific DNA binding by p53: Evidence for a role for O-glycosylation and charged residues at the carboxy-terminus

5.00

J Milner (A16) p53 interaction with DNA and effects of proteolysis

5.30

T Soussi (A17) *The Novo-Castra Lecture*
p53 specific interaction with DNA: where is the specificity?

6.15

Dinner

7.30

Visit to HMS Discovery

Sunday 7th July

7-30

Breakfast & poster viewing

Session 4

Death and differentiation *Chair - PA Hall (Dundee)*

9.00

A Clarke (A18) Consequences of p53 dysfunction for mutation frequency and apoptosis within the mouse

9.30

S Lowe (A19) *The Dako Lecture*
Modulation of apoptosis by p53

10.00

M Nacht (A20) Investigating the mechanisms of p53 mediated apoptosis

10.30

M Oren (A21) The role of sequence specific transactivation dependent and independent pathways in p53 mediated apoptosis

11.00

Coffee & Poster session 2

12.30

Lunch and further poster viewing

Session 5

Death and viruses *Chair - R Iggo (Lausanne)*

2.00

K Vousden (A22) *The Pathological Society Lecture*
Differential activation of target cellular promoters by p53 mutants: correlation with apoptosis and cell cycle

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2.30

Short talks

A Gudkov (A23/P96) Dissection of p53 functions by genetic suppressor elements: cellular effects of separate p53 domains

C Desaintes (A24/P97) Expression of the papillomavirus E2 protein in HeLa cell increases p53 transcriptional activity and leads to apoptosis

N Horikoshi (A25/P98) Adenovirus E4 ORF6 protein blocks transcriptional activity by the p53 tumour suppressor protein

3.15

Tea

4.15

Short talks

P Sabbatini (A26/P99) Regulation of p53 dependent apoptosis by adenoviral oncogenes

M Rolfe (A27/P100) In vitro studies of HPV18-E6 stimulated p53 ubiquitination: E6/E6AP binding is separable from ubiquitination and subsequent degradation

D Pim (A28/P101) An alternatively spliced form of HPV-18 E6 (E6*) modulates the association between full length E6 and p53.

5.00

V Rotter (A29) Mutant p53 protein interrupts cell differentiation and apoptosis

5.30

M Kastan (A30) The role of p53 in modulation of cell cycle, cell differentiation and cell death following DNA damage

6.00

End of session

6.15

Dinner

7.15

Visit to Glamis Castle

Monday 8th July

7.30

Breakfast & poster viewing

Session 6

Regulation I

Chair - K Vousden (Frederick)

9.00

S Benchimol (A31) Translational regulation of human p53 gene expression

9.30

D Meek (A32) Phosphorylation of p53 by stress and DNA damage activated protein kinases

10.00

T Hupp (A33) The major protein phosphatase from murine liver targeting the C terminal regulatory domain of p53 is a PP2A homologue specific for the protein kinase C phosphorylation site

10.30

C Prives (A34) Regulation of p53 tumour suppressor functions

11.00

Coffee & Poster session 3

12.30

Lunch and further poster viewing

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Session 7	Regulation II	<i>Chair - D Meek (Dundee)</i>
2.00	J Jenkins (A35) Title to be announced	
2.30	<i>Short talks</i> B Hann (A36/P144) Sf9 cell expressed human p53 as a model for p53 regulation by phosphorylation B Wasyluk (A37/P145) MDM2 "transformation" in the absence of p53 and abrogation of the p107 G1 cell cycle arrest M Mundt (A38/P146) The tumour suppressor p53 as a target for tumour therapy: an in vitro transcription system as an indicator of active p53	
3.15	Tea	
4.15	<i>Short talks</i> P Abarzua (A39/P147) Restoration of the transcription activation function to mutant p53 in human cancer cells N Kley (A40/P148) Identification and characterisation of novel p53 signalling pathways A Shvarts (A 41/P149) MDM-X: a novel p53 binding protein with some functional properties of MDM2	
5.00	E Mercer (A42) Involvement of p53 protein in G2 phase growth arrest	
5-30	End of session	
from 7.00	Buses for Conference Dinner and Ceilidh	

Tuesday 9th July

7.30	Breakfast	
Session 8	Biology & Therapy	<i>Chair - S Benchimol (Toronto)</i>
9.00	T Halzonetis (A43) <i>The Scottish Enterprise Tayside Lecture</i> Protein engineering of the p53 tumour suppressor	
9.30	A Balmain (A44) Cell-specific effects of p53 in epidermal growth control, apoptosis and carcinogenesis	
10.00	L Donehower (A45) Studies of the in vivo interactions of p53 and MDM2 and the role of p53 loss in tumour progression	
10.30	G Lozano (A46) The regulation of p53 function by MDM2	
11.00	Coffee	
11.30	R Iggo (A47) Detection of clonal p53 mutations in histologically normal mucosa of patients with multifocal head and neck tumours by yeast functional assay	
12.00	R Brown (A48) Microsatellite instability and loss of p53 associated functions in drug resistant tumour models	
12.30	<i>Final summing up DP Lane (Dundee)</i>	
1.00	Lunch	

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9th p53 Workshop Website

<http://athens.wistar.upenn.edu/p53>

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of the 9th International p53 Workshop
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Participant List

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Welcome Address

On behalf of the organizing committee, I want to welcome you to Elounda, Greece and to the 9th p53 Workshop. Thank you for coming.

It has been 2 years since the Workshop in Dundee, Scotland. During this time there have been several major developments in our field. Some of these developments have been published and others will be presented here for the first time. Our gathering here will provide us with the opportunity to discuss the new findings and to set our compass for the direction of research each of us will pursue.

The last two years have also been years of major advances in fields that are highly relevant to p53, such as transcription, apoptosis and DNA damage signaling. The organizers felt that it would be useful to discuss p53 in the context of these advances and invited scientists who traditionally have not attended p53 Workshops. We hope that the presence of these scientists will benefit all of us and we thank them for their participation.

Science alone does not make a Workshop successful. Our ability to be here today is entirely dependent on the generosity of our sponsors. Twenty-two pharmaceutical and biotechnology companies donated generously to keep the registration fee of each participant to the lowest possible level. In addition, the National Institutes of Health of the USA supported 17 predoctoral and postdoctoral fellowships; the European Molecular Biology Organization sponsored the participation of Dr. David Lane; and the Pathological Society of Great Britain and Ireland sponsored the participation of Dr. Carol Prives. On behalf of all the organizers I want to express to our sponsors our gratitude for the valuable support we have received.

The financial and organizational administration of the p53 Workshop was through the Wistar Institute in Philadelphia, USA. Wistar provided a dedicated server for the Workshop, which all of you have visited to register, submit your abstracts and find information about the Workshop. Wistar also managed the financial side of the Workshop and monitored the funds received and funds spent. I am especially grateful to Dr. Giovanni Rovera, the Director of Wistar, and the staff of the finance and computer departments for this support. I also wish to thank the graduate students and postdoctoral fellows of the Institute of Molecular Biology and Biotechnology in Crete and of the Medical Schools of the Universities of Crete and Athens, who are helping us at the registration desk and with the audiovisual equipment..

I am especially pleased that the 9th p53 Workshop is being held at the Elounda Beach Conference Center. The spacious conference rooms, the beauty of the natural surroundings and the service are unparalleled. Our thanks go to the management and staff who responded to all our needs.

This Workshop would not have been possible without the support of all the co-organizers, who helped with the scientific organization and the fund raising. To all of them, I express my sincere gratitude. Finally, let me thank my students and my wife, who allowed me to invest the enormous amount of time that was required to organize this Workshop.

Sincerely,

Thanos Halazonetis

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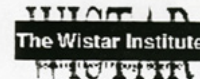
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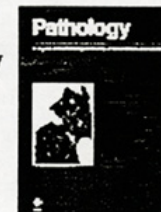
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Dr. Gargi Dasgupta, City of Hope National Medical Center
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Program of Events

Saturday, May 9

6:00–8:00 Dinner

Oral Presentations: Keynote Speakers

8:00 – 8:15 Thanos Halazonetis (Wistar Institute, USA) – Welcome

8:20 – 9:10 Arnold Levine (Princeton U., USA)

9:10 – 10:00 David Lane (U. Dundee, UK)

10:15 – 11:15 Welcome Reception

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Sunday, May 10

Oral Presentations: Transcription

Chairperson: Carol Prives (Columbia U., USA)

9:00 – 9:20 George Thireos (IMBB, Greece)
9:25 – 9:45 Robert Roeder (Rockefeller U., USA)
9:50 – 10:10 Danny Reinberg (UMDNJ, USA)
10:15 – 10:35 Carl Anderson (Brookhaven National Laboratory, USA)
10:40 – 11:00 Question and Discussion Session

11:00 – 11:30 Coffee Break

Oral Presentations: Apoptosis (Part I: Basic Mechanisms)

Chairperson: Karen Vousden (NCI, USA)

11:30 – 12:00 Peter Krammer (U. Heidelberg, Germany)
12:05 – 12:35 Stephen Fesik (Abbott Laboratories, USA)
12:40 – 1:00 Question and Discussion Session

1:00 – 2:30 Lunch

2:30 – 4:45 Poster Session I

Oral Presentations: Apoptosis (Part II: p53)

Chairperson: Peter Krammer (U. Heidelberg, Germany)

5:00 – 5:20 Moshe Oren (Weizmann Institute, Israel)
5:25 – 5:45 Wafik El-Deiry (U. Pennsylvania, USA)
5:50 – 6:10 Varda Rotter (Weizmann Institute, Israel)
6:15 – 6:35 Fred Bunz (Johns Hopkins U., USA)
6:40 – 7:00 Sam Benchimol (U. Toronto, Canada)
7:05 – 7:30 Question and Discussion Session

7:30 – 9:30 Dinner

Oral Presentation: p53 in the Minoan Times

Chairperson: Thanos Halazonetis (Wistar Institute, USA)

10:00 – 10:30 Speaker to be Announced

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Monday, May 11

Oral Presentations: Regulation of p53 Function

Chairperson: Guillermina Lozano (MD Anderson Cancer Center, USA)

- 8:30 – 8:50 Karen Vousden (NCI, USA)
- 8:55 – 9:15 Lynda Chin (Albert Einstein College of Medicine, USA)
- 9:20 – 9:40 Steven Grossman (Dana Farber Cancer I., USA)
- 9:45 – 10:05 Geoffrey Wahl (Salk Institute, USA)
- 10:10 – 10:30 Thea Tlsty (UCSF, USA)
- 10:35 – 11:00 Question and Discussion Session

11:00 – 11:30 Coffee Break

Oral Presentations: p53 Structure–Function

Chairperson: Stephen Fesik (Abbott Laboratories, USA)

- 11:30 – 11:50 Rodney Harrington (U. Reno, USA)
- 11:55 – 12:10 Cheryl Arrowsmith (U. Toronto, Canada)
- 12:15 – 12:30 Elena Stavridi (Wistar Institute, USA)
- 12:35 – 12:50 Question and Discussion Session

12:50 – 2:15 Lunch

2:15 – 6:00 Visit to Knossos

6:00 – 8:00 Dinner

Oral Presentations: DNA Damage

Chairperson: Jan Hoeijmakers (Erasmus U., Netherlands)

- 8:00 – 8:25 Jan Hoeijmakers (Erasmus U., Netherlands)
- 8:30 – 8:55 Michael Karin (UCSD, USA)
- 9:00 – 9:25 Yosef Shiloh (Tel Aviv U., Israel)
- 9:30 – 9:50 Merl Hoekstra (ICOS, USA)
- 9:55 – 10:15 George Iliakis (Thomas Jefferson U., USA)
- 10:20 – 10:50 Question and Discussion Session

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every one agrees
with everyone!

Are we ready for the clinical
trials?

Tuesday, May 12

Oral Presentations: DNA Damage and p53

Chairperson: Michael Karin (UCSD, USA)

- | | |
|---------------|--|
| 8:25 – 8:50 | Carol Prives (Columbia U., USA) |
| 8:55 – 9:15 | Michael Kastan (Johns Hopkins U., USA) |
| 9:20 – 9:40 | David Meek (U. Dundee, UK) |
| 9:45 – 10:05 | Thanos Halazonetis (Wistar Institute, USA) |
| 10:10 – 10:30 | Kum Kum Khanna (Queensland I. Medical Research, Australia) |
| 10:35 – 11:00 | Question and Discussion Session |
| 11:00 – 11:30 | Coffee Break |

Oral Presentations: More DNA Damage and p53 Regulation

Chairperson: Yosef Shiloh (Tel Aviv U., Israel)

- | | |
|---------------|---|
| 11:30 – 11:50 | Wolfgang Deppert (U. Hamburg, Germany) |
| 11:55 – 12:15 | Curtis Harris (NCI, USA) |
| 12:20 – 12:30 | Scott Lowe (Cold Spring Harbor Laboratory, USA) |
| 12:35 – 1:00 | Question and Discussion Session |

1:00 – 2:30 Lunch

2:30 – 4:45 Poster Session 2

Oral Presentations: Therapy

Chairperson: Varda Rotter (Weizmann Institute, Israel)

- | | |
|-------------|---|
| 5:00 – 5:20 | Stephen Chang (Canji, USA) |
| 5:25 – 5:40 | Cecile Bougeret (Rhone Poulenc Rorer, France) |
| 5:45 – 6:05 | David Kirm (Onyx Pharmaceuticals, USA) |
| 6:10 – 6:25 | Klas Wiman (Karolinska Institute, Sweden) |
| 6:30 – 6:50 | Kenneth Koblan (Merck Research Laboratories, USA) |
| 6:55 – 7:20 | Question and Discussion Session |

8:00 – 12:00 Gala Dinner (Cretan Night)

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Wednesday, May 13

Oral Presentations: p53 Family Members

Chairperson: Daniel Caput (Sanofi Research, France)

8:30 – 8:50 Daniel Caput (Sanofi Research, France)
8:55 – 9:15 William Kaelin (Dana Farber Cancer I., USA)
9:20 – 9:30 Casimir Bamberger (U. Hamburg, Germany)
9:30 – 9:50 Question and Discussion Session

9:50 – 10:15 Coffee Break

Oral Presentations: Cell Cycle and Tumor Suppression

Chairperson: Thea Tlsty (UCSF, USA)

10:15 – 10:35 Guillermina Lozano (MD Anderson Cancer Center, USA)
10:40 – 11:00 Lawrence Donehower (Baylor College of Medicine, USA)
11:05 – 11:25 Andrei Gudkov (U. Illinois at Chicago, USA)
11:30 – 11:45 Laurent Debussche (Rhone Poulenc Rorer, France)
11:50 – 12:05 Demetrios Spandidos (U. Crete, Greece)
12:10 – 12:35 Question and Discussion Session
12:40 – 12:45 Thanos Halazonetis (Wistar Institute, USA) – Thank
Participants

12:45 – 2:00 Lunch

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UCSF Program in Cell Cycle Disregulation

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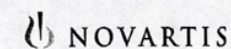
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2. Bensaad, Karim	Dr. Thierry Soussi	Institute Curie
3. Berger, Michael	Dr. Ygal Haupt	The Hebrew University
4. Erez-Alon, Neta	Dr. Varda Rotter	Weizmann Institute of Science
5. Latonen, Leena	Dr. Marikki Laiho	Haartman Institute, Univ. of Helsinki
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Program of Events

mdm2- / 22/23
no binding

Wednesday, April 5

- 7:30 - 9:00 Breakfast at your hotel
7:30 - 9:00 Sign-in/Registration - Monterey Conference Center
9:00 - 9:15 Introductory Remarks: Thea Tlsty

Session 1: In vivo Studies

Chair: Jenny Varley

- 9:15 - 9:45 ✓ Jenny Varley *live* Genotype and Phenotype in Carriers of Germline TP53 Mutations
9:45 - 10:15 ✓ Carlos Cordon-Cardo *live* p53 Alterations are Associated With Clinical Outcome
10:15 - 10:30 ✓ Anne-Lise Borreson Dale *live* Influence of TP53 Gene Alterations on the Response to Treatment With Doxorubicin in Locally Advanced Breast Cancer, and Relation to the Molecular Expression Portraits Using cDNA Microarrays

10:30 - 11:00 Coffee Break

Session 2: p53 Structure

Chair: Thierry Soussi

- 11:00 - 11:30 Thierry Soussi *Jeff Wild Rubi* Structure-Function Relationships of the p53-Protein
11:30 - 12:00 Wolfgang Deppert *→* Interaction of p53 with DNA Polymerase α
12:00 - 12:15 Cheryl Arrowsmith *→* Probing for a Structural Basis for the Autoregulation of p53 by the C-Terminal Domain
12:15 - 2:00 Lunch

Session 3: Family Members

Chair: Frank McKeon

- 2:00 - 2:30 Frank McKeon *-66* p63 and p73: from Epithelial Stem Cells to Neurogenesis
2:30 - 3:00 William Kaelin *-66* Functional Analysis of the p53 Homolog p73
3:00 - 3:30 → David Sidransky *→* Oncogenic Function of p40/p63
3:30 - 3:45 Michael Brodsky *→* DNA Damage Responses in Drosophila
3:45 - 4:00 → Casey Kopczynski *→* Drosophila p53 is a Structural and Functional Homologue of the p53 Tumor Suppressor
4:00 - 6:00 Poster Session 1 (Last name of presenter: A-K)
7:00 - 9:00 Dinner at the Casa Munras Garden Hotel, 700 Munras Avenue

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Thursday, April 6

7:30 - 9:00 *Breakfast at your hotel*

Session 4: In vivo Studies

Chair: Guillermina Lozano

- 9:00 - 9:30 Guillermina Lozano *5/10* A New Mouse Model Inheriting a p53 Missense Mutation
9:30 - 10:00 Larry Donehower *11/2/11* A Germline p53 Mutation That Confers Tumor Resistance and Altered Longevity in Mice
10:00 - 10:30 *Geoffrey Wahl* *1* *AL Belmain* *2/10* A Transactivation-Deficient Mouse Model Provides Insights Into p53 Regulation and Function in Vivo

10:30 - 11:00 *Coffee Break*

Session 5: p53 Phosphorylation

Chair: Carol Prives

- 11:00 - 11:30 Carol Prives *3/11/11* The Role of Stress Kinases in the Regulation of p53 Stability and Activity
11:30 - 12:00 Thanos Halazonetis *2/11/11* ATM-Dependent Regulation of p53
12:00 - 12:15 Yoichi Taya *5/11/11* Phosphorylation of Ser46 Regulates Apoptosis-Inducing Ability of p53
12:15 - 12:30 Mats Ljungman *2/11/11* Regulation of p53 by Human CDC14 Phosphatase

12:30 - 2:00 *Lunch*

Session 6: DNA Damage: Sensing & Repair

Chair: Varda Rotter

- 2:00 - 2:30 Varda Rotter Induction of p53-Dependent DNA Repair or Onset of p53-Dependent Apoptosis: a Question of Cell Cycle Phase
2:30 - 3:00 Jo Milner *→ 6/2/11* p53 and DNA Repair?
3:00 - 3:30 Curtis Harris *→ 5/11* p53-Mediated Apoptotic Pathways
3:30 - 4:00 Michael Kastan *2/11/11* p53 and ATM in Cytotoxic Stress Responses

4:00 - 6:00 *Free time*

6:45 p.m. *Discovery Bus pick-up #1 from your hotel to the Monterey Bay Aquarium*
7:15 p.m. *Discovery Bus pick-up #2 from your hotel to the Monterey Bay Aquarium*

7:00 - 11:00 *Dinner at the Monterey Bay Aquarium (Strolling Dinner & Viewing)*

9:30 p.m. *Discovery Bus pick-up #1 from the Monterey Bay Aquarium to your hotel*
10:00 p.m. *Discovery Bus pick-up #2 from the Monterey Bay Aquarium to your hotel*
10:30 p.m. *Discovery Bus pick-up #3 from the Monterey Bay Aquarium to your hotel*
11:00 p.m. *Discovery Bus pick-up #4 from the Monterey Bay Aquarium to your hotel*

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Friday, April 7

7:30 - 9:00 *Breakfast at your hotel*

Session 7: **Regulation of p53/MdM2** Chair: Moshe Oren

9:00 - 9:30	Moshe Oren	Regulation of p53 Levels and Activity
9:30 - 10:00	Arnold Levine	The p53 MDM2 Shuttle
10:00 - 10:30	David Lane	Drug Discovery in the p53 Pathway

10:30 - 11:00 *Coffee Break*

Session 8: **Apoptosis** Chair: Karen Vousden

11:00 - 11:30	Gerard Evan	Converging Oncogenes in Cancer
11:30 - 12:00	Karen Vousden	Role of p14ARF and NF- κ B in p53 Function
12:00 - 12:30	Samuel Benchimol	A Novel p53-Regulated Gene Involved in Growth Suppression
12:30 - 12:45	Yosef Shaul	p53 Behavior Under Cell Stress

12:45 - 2:00 *Lunch*

2:00 - 5:00 *Poster Session 2 (Last name of presenter: L-Z)*

5:00 - 7:00 *Dinner at the restaurant of your choice*

Session 9: **Regulation of p53** Chair: David Meek

7:00 - 7:30	David Meek	Coordinate Regulation of p53 and Mdm2
7:30 - 8:00	Ze'ev Ronai	Multisite Post-Translational Modification The Role of Stress Kinases in the Regulation of p53 Stability and Activity

8:00 - 8:30 *Coffee Break*

8:30 - 10:30 *p53 International Workshop Retrospective*

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Saturday, April 8

7:30 - 9:00 *Breakfast at your hotel*

Session 10: **In Vivo Studies**

Chair: Terry Van Dyke

9:00 - 9:30	Terry Van Dyke ✓	p53 Tumor Suppression in the Mouse
9:30 - 10:00	Joseph Jerry	Compromised Function of p53 in Mammary Epithelium of Nulliparous Mice
10:00 - 10:30	Scott Lowe	The p53 Pathway in Tumor Suppression and Cancer Therapy

10:30 - 11:00 *Coffee Break*

Session 11: **p53 Regulation**

Chair: George Stark

11:00 - 11:30	George Stark	Mutational Analysis of p53 Expression and Phosphorylation
11:30 - 12:00	Ettore Appella	Multiple Posttranslational Modifications of Human p53 Induced by DNA Damage: Coordinate Regulation, Activation of p53 and Induction of Apoptosis
12:00 - 12:30	Xin Lu	The p53 and E2F1 Connection
12:30 - 12:45	Wafik El-Deiry	Tissue-Selective Utilization of p53-Target Gene Activation During Apoptosis In Vivo

12:45 - 2:00 *Lunch*

Session 12: **Therapy**

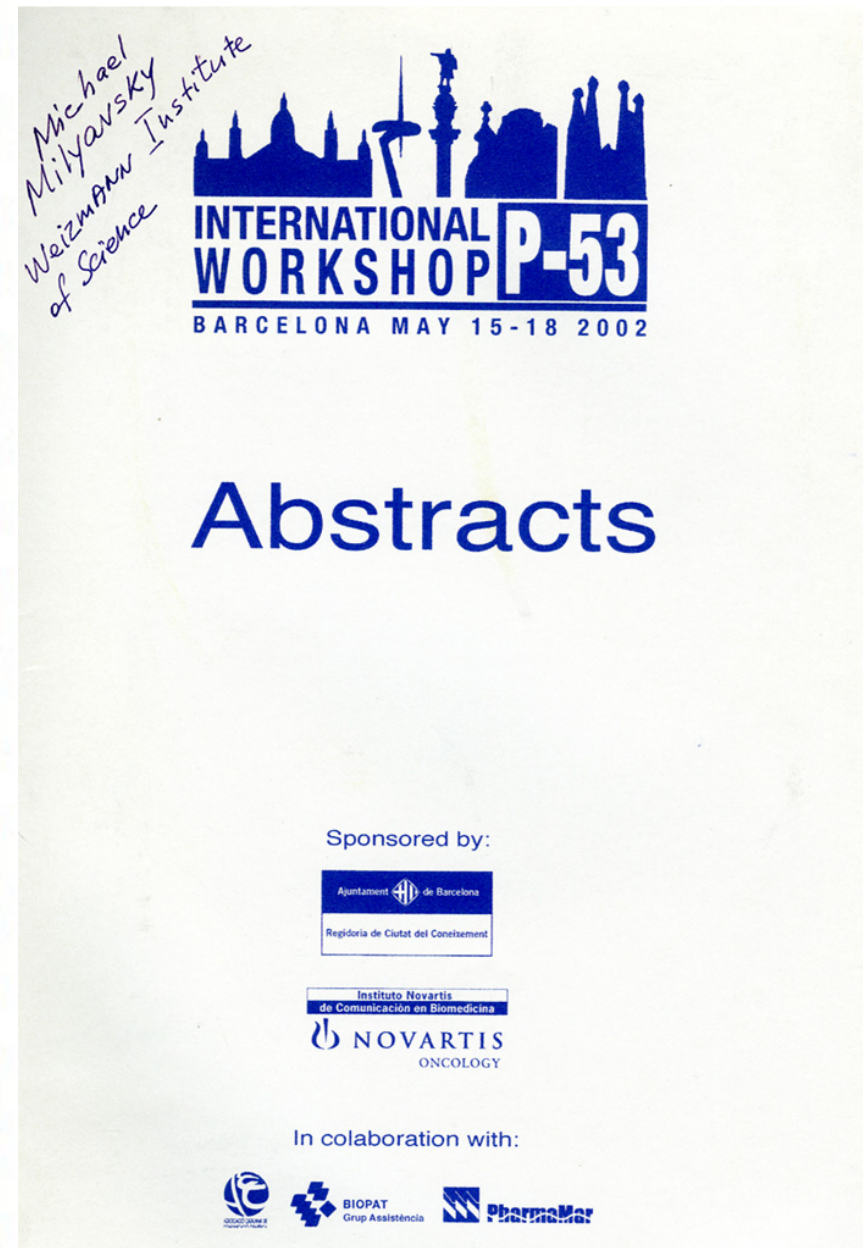
Chair: Frank McCormick

2:00 - 2:30	Frank McCormick	Cancer Therapy Based on the p53 Pathway
2:30 - 3:00	Andrei Gudkov	p53 as a Target for Therapeutic Suppression
3:00 - 3:30	Paul Hwang	p53-Dependent Drug Sensitivity in Human Colon Cancer Cells
3:30 - 4:00	Final Comments	

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ABSTRACT SUBMISSION

Name of Presenting Author Firouzeh Biramijamal
Theme Number 4 (Please select one from the list below)
1. Signaling and Regulation of p53 and Mdm2
2. In vitro and In vivo Models
3. Structure/Function and Pharmacogenomics
4. Cancer Susceptibility, Molecular Epidemiology and Clinical Applications

The incidence of esophageal cancer in Iran and association with
Peace inflammation Shalom 

1. Firouzeh Biramijamal, 2. Abdolamir Allameh, 3. Mahmoud Mahmoudi, 4. Ghiti Iravanlou

(1) National Research Center for Genetic Engineering and Biotechnology (NRCGEB), Tehran-Iran, (2) Tarbiat Modares University, Tehran-Iran, (3) Tehran University, Tehran-Iran, (4) Tehran University of Medical Sciences and Health Services, Tehran-Iran

It is recorded that the frequency of esophagitis is high (80%) in northern Iran. Esophagitis can be changed to esophageal squamous cell carcinoma. Also, it is shown that inflammation can be the cause of esophagitis. In previous study we showed that the p53 gene mutation is a frequent occurrence (64%) in esophageal squamous cell carcinoma (ESCC) from Iran. The pattern of p53 gene mutation (the CpG transition mutation) in ESCC from Iran is high against western countries (F. Biramijamal et al. Cancer Research April 2001). We showed that the expression of cyclooxygenase-2 (COX-2) and inducible nitric oxide synthase (iNOS) correlates with p53 gene mutation in tumor cells of esophageal squamous cell carcinoma. COX-2 and iNOS are involved to inflammation. Therefore we believe that it is possible to early detection of ESCC with examination of esophagitis biopsy sections. Also, the application of NSAIDs can be reducing the incidence of esophageal cancer in north of Iran.

Please submit your Abstract to the following address, indicating in the envelop/FAX cover or e-mail "p53 Workshop Abstract":

Carlos Cordon-Cardo, MD, PhD; Director, Division of Molecular Pathology; Memorial Sloan-Kettering Cancer Center, 1275 York Avenue; New York, NY 10021. Tf: 212-639-7746; FAX: 212-794-3186; e-mail: cordon-c@mskcc.org

2002

Barcelona

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Carlos Cordon-Cardo and
Carol Privas
New York
USA

ABSTRACT SUBMISSION

Name of Presenting Author Dr. Xin Lu
Theme Number 1 (Please select one from the list below)
1. Signaling and Regulation of p53 and Mdm2
2. In vitro and In vivo Models
3. Structure/Function and Pharmacogenomics
4. Cancer Susceptibility, Molecular Epidemiology and Clinical Applications

To die or not to die, ASPP help p53 to decide

Yardena Samuels-Lev[^], Daniel J. O'Connor[^], Daniele Bergamaschi[^], Jung-Kuang Hsieh, Shan Zhong, Isabelle Campargue, Giuseppe Trigianti, Louie Naumovski, Tim Crook and Xin Lu*

Ludwig Institute for Cancer Research, Imperial College School of Medicine, St. Mary's Campus, Norfolk Place, London, W2 1PG, UK

ASPP is a new family of proteins identified recently that specifically regulate the apoptotic function of p53. All members of the ASPP family interact with p53 in vivo. Co-expression of ASPP1 or ASPP2 specifically enhances the apoptotic function of p53 but not of Bax or E2F1. ASPP acts by stimulating the transactivation function of p53 specifically on the promoters of apoptosis-related genes such as Bax and PIG-3, but not on the promoters of mdm2 and cyclin G. Binding to p53 is necessary but not sufficient for ASPP to stimulate p53 activity. Full function of ASPP requires the intact protein. Inhibition of endogenous ASPP function by antisense RNA demonstrated that the apoptotic functions of p53 are regulated by ASPP family members in vivo in response to apoptotic stimuli. Two tumour-derived p53 mutants with reduced apoptotic function were found defective in co-operating with ASPP in apoptosis induction and Bax transactivation. A tumour-suppressor role of the p53-ASPP interaction is further supported by the observation that expression of ASPP1 and ASPP2 is frequently down regulated in human breast carcinomas.

Although ASPP1 and ASPP2 share many structural and functional similarities, but their biological functions are not redundant. All ASPP2 knock out mice die before weaning. Almost all the ASPP knock out mice have abnormalities in their brain and retina. The defects are detected as early as in E12.5 embryos.

Please submit your Abstract to the following address, indicating in the envelop/FAX cover/or e-mail "p53 Workshop Abstract":

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2002

Barcelona

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Carol Privas
New York
USA

Cordon-Cardo, Carlos

From: meek [meek@cancer.org.uk]
Sent: Tuesday, April 02, 2002 3:37 AM
To: cordon-c
Subject: p53 Workshop Abstract

Dear Carlos

Sudden panic as I've just realised that I should have sent you an abstract. I have now done this and attach the text at the end of this message. If you need to have it printed in a particular format, please let me know and I shall do this right away. My apology for the delay.

I am assuming from the information you sent out that everyone, including invited speakers, should make their own accommodation arrangements at one of the hotels listed on the Website. I shall do this immanently, but if I've misread the information and there are particular arrangements for speakers, please let me know.

Thanks for your help. See you in a few weeks.

Cheers - David

Stress-induced phosphorylation and regulation of Hdm2

David W Meek, Diane Milne, Sylvia Dias, Petros Kampanis and
*Dario Alessi
Biomedical Research Centre, Ninewells Hospital and Medical School
and *Medical Research Council Protein Phosphorylation Unit,
University of Dundee, Dundee DD1 9SY, United Kingdom

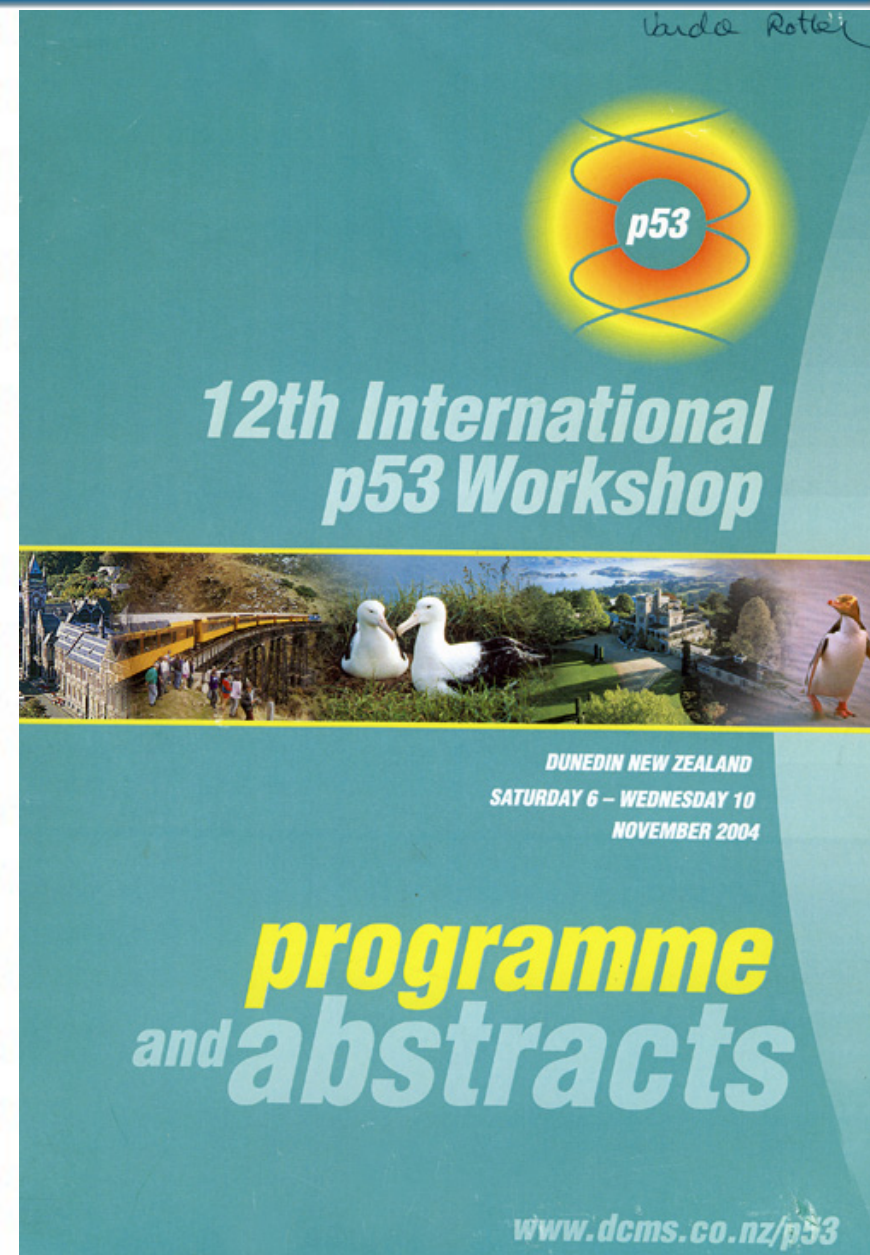
Hdm2 plays a pivotal role as a master regulator of the p53 tumour suppressor protein and is a principal focal point of incoming stress signals which lead to p53 activation. We are studying the signalling mechanisms which impinge on Hdm2 and have detected an Hdm2 targeted protein kinase activity which is activated by high but not low doses of UV, and by camptothecin. The protein kinase phosphorylates a site close to the nuclear import/export domains of Hdm2 and bears the hallmarks of an ACG kinase, an important family of protein kinases which include protein kinase A, protein kinase B (Akt), pp90RSK and the mitogen and stress-activated protein kinase, MSK1. I shall present data on the characterisation of this protein kinase and its relationship with Hdm2.

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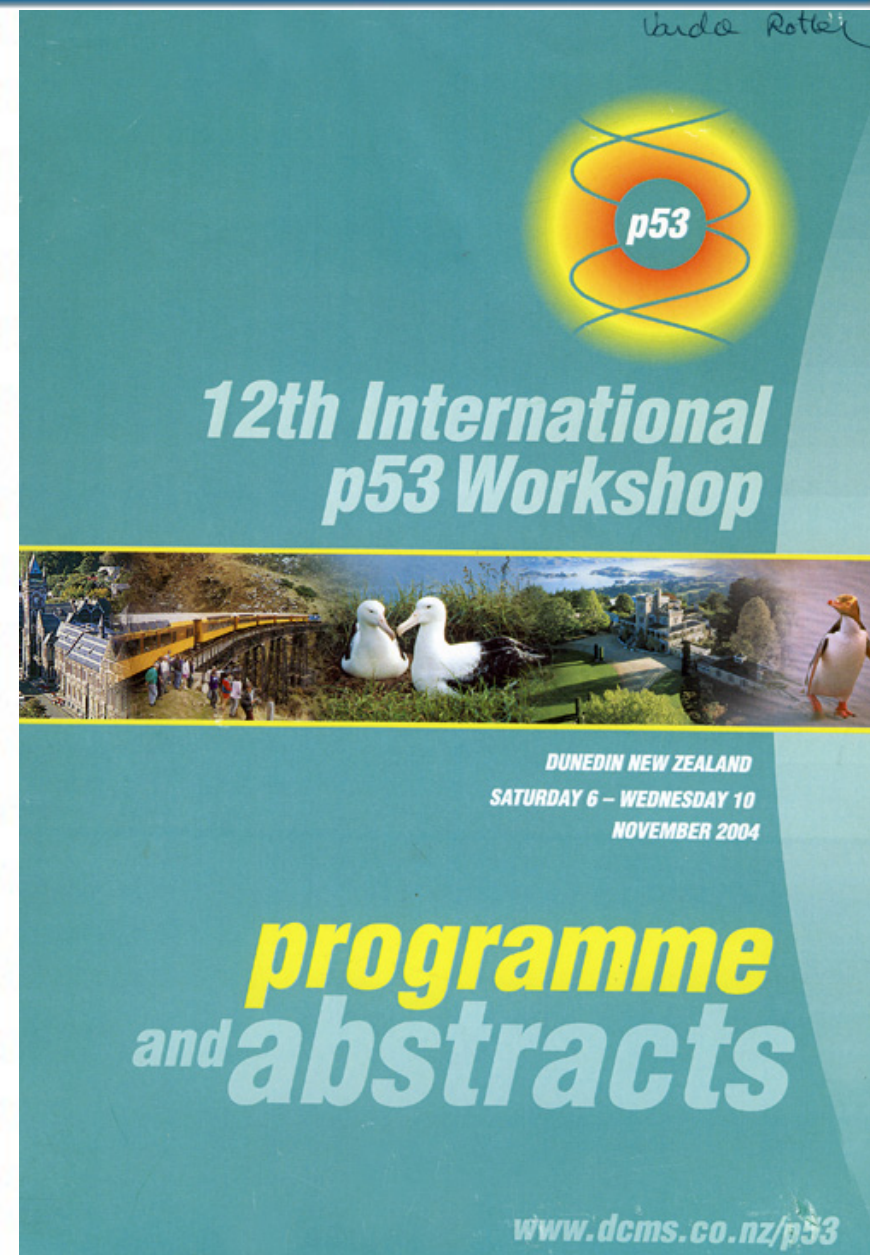


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Sunday 7th November

TIME		ABSTRACT
SESSION 2		
Chair: Moshe Oren		
8:00am-8:30am	Carol Prives – Columbia University, USA <i>Regulation of the transcriptional response to p53</i> Sponsored by the University of Otago Virology Theme	265
8:30am-9:00am	Beverley Emerson – Salk Institute, USA <i>Mechanisms of stress-specific transcriptional regulation by p53</i>	250
9:00am-9:30am	Jack Griffith – University of North Carolina, USA <i>Interaction of p53 with sites of damage and unusual DNA conformations</i> Sponsored by Children's Medical Research Insitute, Sydney	253
9:30am-10:00am	Varda Rotter – The Weizmann Institute, Israel <i>Amplification of p53 induced "signature genes" in cells transformed in vitro</i>	269
10:00am-10:15am	Sheau-Yann Shieh – Academia Sinica, Taiwan <i>p53 C-terminal phosphorylation by CHK1 and CHK2 participates in the regulation of DNA-damage-induced C-terminal acetylation.</i>	218
10:15am-11:00am	Morning Tea	
SESSION 3		
Chair: Martin Lavin		
11:00am-11:30am	Sam Benchimol – University of Toronto, Canada <i>p53-regulated genes involved in cellular stress responses</i>	246
11:30am-12:00pm	Amato Giaccia – Stanford University, USA <i>Stress specific regulation of p53 transcriptionally dependent and independent pathways to signal apoptosis</i>	251
12:00pm-12:30pm	Mary Helen Barcellos-Hoff – Berkeley, USA <i>Unlikely Partners: p53 and TGF-β1</i> Sponsored by Leukemia Foundation of Queensland, Brisbane	307
12:30pm-1:30pm	Lunch	

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SESSION 4		
Chair: Paul Jackson		
TIME		ABSTRACT
1:30pm-2:00pm	Peter Chumakov – The Cleveland Clinic Foundation, USA <i>Tumor suppressor p53 reduces mutagenesis by stimulating antioxidant defense</i>	133
2:00pm-2:30pm	Mario Rossi – University of Leicester, UK <i>Degradation and Function of P73 and P63</i>	308
2:30pm-2:45pm	Jean-Christophe Bourdon – University of Dundee, Scotland <i>The human p53 gene contains a highly conserved internal promoter and encodes nine protein isoforms that can regulate p53 tumour suppressor activity</i>	120
2:45pm-3:15pm	Thierry Soussi – Hopital Tenon, France <i>Reassessment of the p53 mutation database in human disease by data mining with a library of p53 missense mutations</i>	271
3:15pm-4:00pm	Afternoon Tea	
SESSION 5		
Chair: Janice Royds		
4:00pm-4:30pm	Carl Barrett – NIH-NCI, USA <i>Nontelomeric Mechanisms in Cellular Senescence</i> Sponsored by Children's Cancer Institute Australia	245
4:30pm-4:45pm	Hwee Ching Ang – MRC Centre for Protein Engineering England <i>Rescue of mutant p53 function in cancer therapy: NMR screening for small molecule fragments as leads for therapeutic agents</i>	301
4:45pm-5:00pm	Catherine Drummond – Auckland Cancer Society Research Centre, New Zealand <i>Importance of p53 in death receptor upregulation in response to a new DNA binding antitumour drug</i>	140
5:00pm-5:15pm	James Manfredi – Mount Sinai School of Medicine, USA <i>p53 dependent repression of CDC25C by direct interaction with the CDC25C promoter contributes to a cell cycle checkpoint</i>	185
5:15pm-5:30pm	Marikki Laiho – University of Helsinki, Finland <i>NPM interacts with HDM2 and protects tumor suppressor protein p53 from HDM2-mediated degradation.</i>	177
5:30pm-6:45pm	Lisa Wiesmuller – Gynaecological University Hospital, Germany <i>Dual roles for p53 in homology-directed repair</i>	238

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5:45pm-6:00pm	Ella Kim (2) – University of Luebeck, Germany <i>Functional interaction between tumor suppressor p53 and proto-oncogene ETS-1 determines the invasive potential of glial tumors</i>	171
6:00pm	End of Conference Sessions for Day	
7:30pm – 10:00pm	Poster Session / Drinks & Nibbles – Exhibition Area	

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Monday 8th November

TIME		ABSTRACT
SESSION 6		
Chair: David Lane		
8:00am-8:30am	Arnold Levine – Princeton University, USA <i>Single nucleotide 309 HDM-2 polymorphism</i> Sponsored by the University of Otago Virology Theme	259
8:30am-9:00am	Lyubomir Vassilev – Roche Research Centre, USA <i>Small-Molecule Inhibitors of the p53-MDM2 Interaction</i>	275
9:00am-9:30am	Moshe Oren – The Weizmann Institute, Israel <i>Mdm2, Mutant p53: Old actors, new tricks?</i>	264
9:30am-9:45am	Nitzan Rosenfeld – The Weizmann Institute, Israel <i>Dynamics of the p53-Mdm2 feedback loop in individual cells</i>	210
9:45am-10:15am	Geoff Wahl – The Salk Institute, USA <i>MDM2 mediated control of p53: new tricks for an old dog?</i>	277
10:15am-11:00am	Morning Tea	
SESSION 7		
Chair: Bruce Baguley		
11:00am-11:30am	Ming Jiang – University of York, England <i>Small interfering RNA as an anti-cancer agent in human carcinoma</i>	256
11:30am-11:45pm	Klas Wiman – Karolinska Institute, Sweden <i>Mutant p53 reactivation by small molecules: a novel strategy for cancer therapy</i>	303
11:45pm-12:00pm	Przemyslaw Bozko – Karolinska Institute, Sweden <i>Small molecule rita binds to wild type p53 and re-activates its tumor suppression function in vitro and in vivo</i>	217
12:00pm-12:30pm	Scott Lowe – Cold Spring Harbor Laboratory, USA <i>Escaping p53 action during tumor development and therapy</i>	260
12:30pm-1:30pm	Lunch	

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TIME		ABSTRACT
SESSION 8		
Chair: Varda Rotter		
1:30pm-2:00pm	Giannino Del Sal – Laboratorio Nazionale C.I.B. Area Science Park, Italy <i>The prolyl-isomerase Pin1 acts as a fine tuner of the p53 family network</i> Sponsored by The University of Queensland, Brisbane	248 ✓
2:00pm-2:30pm	Yoichi Taya – Nat'l Cancer Center Research Institute, Japan <i>A novel function of clathrin heavy chain in p53-mediated transcription and apoptosis</i>	273 ✓
2:30pm-2:45pm	Kelly Harms-McNaughton – University of Alabama, USA <i>The C-terminus regulates p53 family function.</i> IGF8	109 ✓
2:45pm-3:00pm	Ygal Haupt – The Hebrew University Hadassah Medical School, Israel <i>Activation of p53 by PIN1 in response to DNA damage is mediated by CHK2.</i>	154
3:00pm-3:15pm	Luciana Giono – Mount Sinai School of Medicine, USA <i>p53 acetylation at LYS382 is not required for transcriptional activation but regulates p53 stability via binding of the co-activator CBP</i>	146
3:15pm-4:00pm	Afternoon Tea	
SESSION 9		
Chair: Roger Reddel		
4:00pm-4:15pm	Laura Attardi – Stanford University School of Medicine, USA <i>Dissecting p53 function using transactivation mutant knock-in mice</i>	113 ✓
4:15pm-4:30pm	Kenneth Olive – MIT, USA <i>Tissue-specific and allele-specific effects of endogenous point-mutant p53 in mice</i>	199
4:30pm-4:45pm	Anneke Blackburn – John Curtin School of Medical Research, Australia <i>Identification of novel genetic modifier loci for mammary tumour susceptibility in TRP53^{+/-} mice.</i>	118
4:45pm-5:00pm	Dmitry Bulavin – IMCB, Singapore <i>Tumor susceptibility and apoptosis defect in a mouse strain expressing human p53.</i>	126
5:00pm	End of Conference Sessions for Day	

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6:30pm	Evening Activity - Kiwi Experience Night-Taieri Gorge Railway	
Tuesday 9 th November		
TIME		ABSTRACT
SESSION 10		
Chair: Carol Prives		
8:00am-8:30am	Andreas Strasser – WEHI, Australia <i>p53- and drug-induced apoptotic responses mediated by BH3-only proteins Puma and Noxa</i>	272
8:30am-9:00am	Ute Moll – State University of New York, USA <i>Pro-inflammatory Macrophage Migration Inhibitory Factor MIF interferes with the p53 and Rb-E2F pathways in a molecular link between chronic inflammation and tumorigenesis</i>	262
9:00am-9:30am	Maureen Murphy (1) – Fox Chase Cancer Center, USA <i>p53 polymorphic variants and programmed cell death</i>	263a
9:30am-10:00am	Doug Green – La Jolla Institute for Allergy and Immunology, USA <i>PUMA couples the nuclear and cytoplasmic pro-apoptotic functions of p53</i> Sponsored by The Walter and Eliza Hall Institute of Medical Research	252
10:00am-10:15am	Silvia Soddu – Regina Elena Cancer Institute, Italy <i>p53 requires activation by HIPK2 to repress galectin-3 and induce apoptosis.</i>	220
10:15am-11:00am	Morning Tea	
SESSION 11		
Chair: Thea Tlsty		
11:00am-11:30am	Tsukasa Shibue – University of Tokyo, Japan <i>Insight into the mechanism of p53-mediated apoptosis by its target genes, Noxa and Puma</i>	270
11:30am-12:00pm	Xin Lu – Ludwig Institute for Cancer Research, United Kingdom <i>ASPP connects ras and p53 pathways in regulating apoptosis</i>	261
12:00pm-12:30pm	Antony Braithwaite – University of Otago, New Zealand <i>Selective impairment of p53 function by the Y-box factor YB1</i> Sponsored by Invitrogen	247
12:30pm-1:30pm	Lunch	

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12:30pm-1:30pm	Lunch	

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SESSION 12		
Chair: Yoichi Taya		
1:30pm-2:00pm	Roger Reddel – Children's Medical Research Institute, Australia <i>Immortalization via alternative lengthening of telomeres</i>	266
2:00pm-2:30pm	Thea Tlsty – UCSF Comprehensive Cancer Center, USA <i>Epigenetic and genetic changes control tumorigenic phenotypes and occur in vivo in human mammary epithelia</i>	274
2:30pm-2:45pm	Tomoo Iwakuma – M.D. Anderson Cancer Center, USA <i>Gain-of-function of a p53 hot spot mutation in a mouse model of Li-Fraumeni syndrome</i>	161
2:45pm-3:00pm	Thorsten Stiewe (2) – University of Würzburg, Germany <i>Regulation of telomerase activity by p73.</i>	225
3:00pm-3:15pm	Rubaiyat Rahman – Karolinska Institute, Sweden # <i>Telomerase antagonizes p53-induced apoptosis independently of telomerase activity.</i>	206
3:15pm-4:00pm	Afternoon Tea	
SESSION 13		
Chair: Antony Braithwaite		
4:00pm-4:15pm	Chris Kemp (2) – Fred Hutchinson Cancer Research Center, USA <i>p19ARF is the major regulator of p53's tumor suppressor activity in vivo.</i>	168
4:15pm-4:30pm	Henning Horn – Beatson Institute for Cancer Research, Scotland <i>Ribosomal stress-induced p53 Activation: Regulation and functions of Ribosomal Protein L11</i>	157
4:30pm-4:45pm	Hamish Campbell – University of Otago, New Zealand <i>RB is required for E1A activation of p53 target genes, in the absence of p53.</i>	101
4:45pm-5:00pm	Munna Agarwal - Case Western Reserve University, USA <i>pTGF-β mediates a p53-dependent protective arrest of cells in S-phase when dNTP pools are unbalanced by starvation for pyrimidine nucleotides</i>	110
5:00pm-5:30pm	Varda Rotter - The Weizmann Institute of Science, Israel <i>25th p53 Anniversary Oration</i>	
5:30pm	End of Conference Sessions for Day	
7:30pm	Conference Banquet – Dunedin Art Gallery	

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Sponsored by Roche Diagnostics		
Wednesday 10 th November		
TIME		ABSTRACT
8:00	meet Pet and finish payment assignments. SESSION 14 Chair: Thierry Soussi ✓	
9:00am-9:30am	Barry Iacopetta – University of Western Australia <i>The "CRC-p53" International Collaborative Study on the prognostic and predictive significance of p53 mutation: influence of tumour site, type of mutation and adjuvant treatment</i> ✓	255
9:30am-10:00am	Curtis Harris – NIH/NCI, USA ✓ <i>p53 and genomic instability diseases: At the crossroads of DNA repair and recombination</i>	254
10:00am-11:00am	Morning Tea	
SESSION 15 Chair: Curtis Harris ✓		
11:00am-11:30am	Mike Resnick – NIEHS/NIH, USA ✓ <i>SNPs in p53 target response elements and change-of-spectrum p53 mutants: implications for diversity</i>	267
11:30am-12:00pm	Martin Lavin – The Queensland Institute of Medical Research, Australia ✓ <i>Defective p53 response in ataxia with oculomotor apraxia</i>	258
12:00pm-12:15pm	Janice Royds – University of Otago, New Zealand <i>p53 and brain tumours</i>	106
12:15pm-12:30pm	Arnold Levine – <i>p53: The Future</i>	
12:30pm-1:30pm	Lunch	
1:30pm	Close of Conference	

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Jill Brgonetti

Carlos Cardon-Cardo

Wei Gu

Scott Lowe

Arnold J. Levine

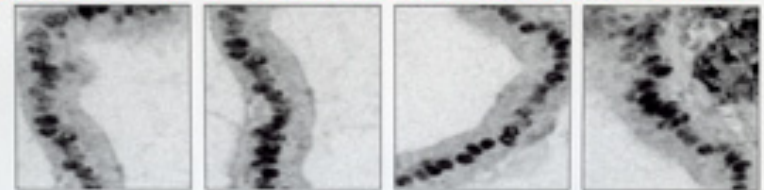
Jim Manfredi

Ute Moll

Carlo Privesa

program&abstracts

13TH ANNUAL p53 WORKSHOP



MAY 20 TO 24 2006 • COLUMBIA UNIVERSITY

2006

USA

Jill Brgonetti
Carlos Cardon-Cardo
Wei Gu
Scott Lowe
Arnold J. Levine
Jim Manfredi
Ute Moll
Carlo Privesa



On behalf of the organizing committee it is our pleasure to welcome you to the 13th International p53 Workshop here at Columbia University in New York. It is extraordinary how the p53 field continues to thrive in many areas that include molecular structure, cell and molecular biology, animal models, systems biology and translational research. This is probably the most well attended p53 workshop to date with over 350 participants from all over the world. Organizing this meeting has been both challenging and rewarding. We are particularly grateful to Louise Peterson, Inna Boluk and Sarah Kim for their unflagging assistance in helping to arrange the myriad of details that went into the preparations for the conference. Thanks are also due to members of the Prives lab, our Web Site manager Adam Carl (with help from Cheryl Burek), Natalie Heba and the staff at the Columbia Events management office. Finally we are most indebted to our many sponsors who have provided generous financial support and without whom we could not have held this conference. This book contains the meeting agenda and speakers' abstracts followed by abstracts of posters. General information is at the back of the book. An index has been compiled allowing you to find abstracts associated with names. We hope you will all benefit greatly from the many excellent talks and posters that will be presented and enjoy the evening events that we have planned.

Local Organizing Committee

Jill Brgonetti
Carlos Cardon-Cardo
Wei Gu
Scott Lowe
Arnold J. Levine
Jim Manfredi
Ute Moll
Carol Prives (Chair)

International Organizing Committee

Antony Braithwaite
Curtis Harris
David Lane
Moshe Oren
Varda Rotter
Yoichi Taya

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Jim Manfredi

Ute Moll

Carlo Privesa

Summary Agenda for the 13th International p53 Workshop

Day	Time	Event
Saturday, May 20	6:30 PM	Opening Reception
	8:00 PM	Session 1: Keynote talks
Sunday, May 21	8:30 AM	Session 2: Structure/transcription
	11:00 AM	Session 3: Transcriptional regulation
	2:00 PM	Session 4: Poster Session I
	4:00 PM	Session 5: p53 variants
Monday, May 22	8:30 AM	Session 6: Upstream/checkpoint/regulation
	11:00 AM	Session 7: Apoptosis
	2:00 PM	Session 8: Poster Session II
	4:00 PM	Session 9: Regulation and function of p53
	6:30 PM	Depart Columbia for Boat Trip
Tuesday, May 23	8:30 AM	Session 10: Mouse Models I
	11:00 AM	Session 11: Regulation and Outcomes
	2:00 PM	Session 12: Mdm2 and p53
	4:30 PM	Session 13: Mouse Models II
	8:00 PM	Banquet
Wednesday, May 24	8:30 AM	Session 14: Translational p53 I
	11:00 AM	Session 15: Translational p53 II

Please be aware that abstracts should not be cited in bibliographies. Material contained herein should be treated as personal communication and should be cited as such only with consent of the author. Please note as well that recording of oral sessions by audio, video or still photography is prohibited except with the advance permission of the author(s), the organizers, and Columbia University.

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Arnold J. Levine

Jim Manfredi

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Carlo Privesa

Agenda for the 13th International p53 Workshop

Saturday, May 20

3:00 - 6:00 PM

Registration

Columbia University, Lerner Hall, Broadway Lobby
Broadway at 115th Street

6:30 - 8:00 PM

Roone Arledge Auditorium

Welcome Reception

8:00 - 10:00 PM

Roone Arledge Cinema

Session 1

Keynote talks

Chair: C. Prives

8:00 - 8:30 PM

A. J. Levine MDM2 SNP309 accelerates tumor formation in a hormonally dependent manner and affects the function of p53^{Arg127Pro} in cancer. (S1)

8:30 - 9:00 PM

D. P. Lane Studies on the p53 system in Zebra Fish. (S2)

9:00 - 9:30 PM

C. Sherr The ARF tumor suppressor in hematopoietic malignancies. (S3)

9:30 - 10:00 PM

J. Campisi Suppression of the senescent secretory phenotype by p53. (S4)

Sunday, May 21

7:30 - 8:30 AM

Roone Arledge Auditorium

Continental Breakfast

8:30 - 10:30 AM

Roone Arledge Cinema

Session 2

Structure/transcription

Chair: T. Halazonetis

8:30 - 8:55 AM

A. Fersht Structure and stability of p53. (S5)

9:00 - 9:10 AM

Z. Shakked Structural basis of DNA recognition by p53 tetramers: New insights into p53 function and regulation. (P171)

9:15 - 9:25 AM

A. Okorokov Molecular structure of intact p53 tumour suppressor protein. (P136)

9:30 - 9:55 AM

R. Roeder Role of diverse co-activators in transcription regulation by p53. (S6)

10:00 - 10:25 AM

B. Emerson Gene specific requirement for RNA Polymerase II phosphorylation within the p53 transcriptional program. (S7)

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Carlo Privesa

10:30 - 11:00 AM	Coffee Break
11:00 AM - 1:00 PM Roone Arledge Auditorium	Session 3 Transcriptional regulation Chair: J. Bargonetti
11:00 - 11:25 AM	W. Gu Dissecting the molecular mechanisms of p53 stabilization and activation upon stress. (S8)
11:30 - 11:55 AM	J. Manfredi p53 promotes tumor cell survival via the reversibility of its cell cycle checkpoints: Roles for p21, CDC25C, and, surprisingly, MDM2. (S9)
12:00 - 12:25 PM	C. Prives Transcriptional regulation of p53 mediated apoptosis. (S10)
12:30 - 12:55 PM	Y. Taya P53 and Clathrin Heavy Chain regulate mutual function in nucleus and cytoplasm. (S11)
1:00- 2:00 PM Roone Arledge Auditorium	Lunch
2:00 - 4:00 PM Roone Arledge Auditorium	Session 4 Poster Session I Afternoon coffee service will be available
4:00 - 6:30 PM Roone Arledge Cinema	Session 5 p53 variants Chair: T. Tlsty
4:00 - 4:25 PM	U. Moll p73 suppresses polyploidy and aneuploidy and contributes to the maintenance of genomic integrity. (S12)
4:30 - 4:55 PM	X. Chen The common and distinct domains of the p53 family proteins and their transcriptional activity. (S13)
5:00 - 5:25 PM	W. Deppert Mutant p53: Oncogenic by perturbing gene expression? (S14)
5:30 - 5:40 PM	G. Blandino Chemoresistance of tumor cells linked to mutant p53/p73 protein complex. (P14)
5:45 - 5:55 PM	F. McKeon p63 protects the female germline by eliminating DNA-damaged oocytes during meiotic arrest. (P228)
6:00 - 6:15 PM	E. Flores p63 and p73 transcriptionally regulate genes involved in DNA repair. (P54)

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Scott Lowe

Arnold J. Levine

Jim Manfredi

Ute Moll

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6:15 - 6:25 PM J-C. Bourdon Characterization of p53 isoforms. (P18)

Evening Free

Monday, May 22

7:30 - 8:30 AM
Roone Arledge Auditorium Continental Breakfast

8:30 - 10:30 AM
Roone Arledge Cinema

Session 6 Upstream/checkpoint/regulation Chair: D. Lane

8:30 - 8:55 AM T. Halazonetis Activation of the DNA Damage checkpoint is an early event in the natural history of human cancer selecting for p53 mutations. (S15)

9:00 - 9:25 AM M. Kastan Molecular controls of the ATM-p53 pathway. (S16)

9:30 - 9:55 AM C. Harris Telomeric dysfunction induces p53-dependent apoptosis and senescence. (S17)

10:00 - 10:10 AM S-Y Shieh The candidate tumor suppressor BTG3 is a transcriptional target of p53 that inhibits E2F1. (P175)

10:15 - 10:25 AM Y. Haupt A role for PML in the regulation of p53 by CK1. (P67)

10:30 - 11:00 AM Coffee Break

11:00 AM - 1:00 PM
Roone Arledge Cinema

Session 7 Apoptosis Chair: K. Vousden

11:00 - 11:25 AM C. Thompson Did p53 evolve to promote cell survival during nutrient deprivation? (S18)

11:30 - 11:55 AM D. Green The interaction of p53, PUMA, and Bcl-xL in controlling apoptosis. (S19)

12:00 - 12:25 PM S. Benchimol Determination of p53-dependent cell fate decision. (S20)

12:30 - 12:55 PM J. Milner p53 and SIRT1 under non-stress conditions. (S21)

1:00 - 2:00 PM
Roone Arledge Auditorium Lunch

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2:00 - 4:00 PM
Roone Arledge Auditorium

Session 8
Poster Session III
Afternoon coffee service will be available

4:00 - 6:00 PM
Roone Arledge Cinema

Session 9
Regulation and function of p53
Chair: M. Oren

4:00 - 4:25 PM

L. Donehower Participation of the WIP1 phosphatase in the p53 negative feedback regulatory loop. (S22)

4:30 - 4:55 PM

G. Del Sal The prolyl-isomerase PIN1 regulates the timing of p53 activation. (S23)

5:00 - 5:10 PM

M. Laiho NPM and PML interact and cooperate in the regulation of p53 in UV damage and tumorigenesis. (P97)

5:15 - 5:25 PM

Y. Shaul Molecular basis of ubiquitin independent proteasomal degradation of p53 and p73. (P172)

5:30 - 5:40 PM

L. Brown CDIP a novel p53 target gene regulates TNF α -mediated apoptosis in a p53 dependent manner. (P25)

6:30 - 11:00 PM
Buses depart 6:30 PM
from 115th & Broadway

Boat Tour of Manhattan
Atlantica

Tuesday, May 23

7:30 - 8:30 AM
Roone Arledge Auditorium

Continental Breakfast

8:30 - 10:30 AM
Roone Arledge Cinema

Session 10
Mouse Models
Chair: D. Green

8:30 - 8:55 AM

G. Evan The when, where and why of p53-mediated tumor suppression. (S24)

9:00 - 9:25 AM

L. Attardi Dissecting p53 function using transactivation mutant knock-in mice. (S25)

9:30 - 9:55 AM

S. Lowe Evading p53 action during tumorigenesis and therapy. (S26)

10:00 - 10:25 AM

G. Lozano p53 Cell cycle arrest and apoptosis in tumor suppression. (S27)

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10:30 - 11:00 AM

Coffee Break

11:00 AM - 1:00 PM
Roone Arledge Cinema

Session 11
Regulation and Outcomes
Chair: S. Benchimol

11:00 - 11:25 AM

T. Tlsty Early epigenetic and genetic events in carcinogenesis. (S28)

11:30 - 11:55 AM

V. Rotter A genome wide expression profiling search for p53 regulated gene networks. (S29)

12:00 - 12:25 PM

M. Resnick p53 target response elements: "Rules of the Game," SNPs and integration of master regulatory pathways. (S30)

12:30 - 12:40 PM

J-C. Marine New insights into the physiological and oncogenic functions of MDMX. (P120)

12:45 - 12:55 PM

Y. Zhang Essential role of MDM2 E3 ubiquitin ligase in mouse embryonic development. (P221)

1:00 - 2:00 PM
Roone Arledge Auditorium

Lunch

2:00 - 4:00 PM
Roone Arledge Cinema

Session 12
MDM2 and p53
Chair: A. Levine

2:00 - 2:25 PM

M. Oren Lats and p53: Tumor suppressor duo in prevention of tetraploidy. (S31)

2:30 - 2:55 PM

K. Vousden* An essential function of the extreme C-terminus of MDM2 in the degradation of p53 can be provided by MDMX. (S32)
* Sponsored by the Pathological Society of Great Britain and Ireland

3:00 - 3:25 PM

D. Meek Regulation of p53 through post-translational modification and protein-protein interactions targeted at MDM2. (S33)

3:30 - 3:55 PM

H. Lu Proteomic analysis of the MDM2-MDMX-p53 pathway. (S34)

4:00 - 4:10 PM

W. Hu A single nucleotide polymorphism in the MDM2 gene disrupts the p53-MDM2 oscillation. (P186)

4:10 - 4:30 PM

Coffee Break

2006

USA

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Scott Lowe

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Jim Manfredi

Ute Moll

Carlo Privesa

4:30 - 6:30 PM
Roone Arledge Cinema

**Session 13:
Mouse Models II
Chair: G. Lozano**

4:30 - 4:55 PM

P. P. Pandolfi Revisiting the PTEN-p53 network. (S35)

5:00 - 5:25 PM

X. Lu Modifiers of p53. (S36)

5:30 - 5:55 PM

G. Wahl Gatekeepers of the guardian: Insights into p53 activation by MDM2 and MDM4 revealed by mouse models. (S37)

6:00 - 6:25 PM

A. Braithwaite Deletion of the putative apoptotic regulatory domain of Tp53 does not impair tumor suppression ability. (S38)

8:00 PM - Midnight
Low Library Rotunda,
Columbia University

Banquet

Wednesday, May 24

7:30 - 8:30 AM
Roone Arledge Auditorium

Continental Breakfast

8:30 - 10:30 AM
Roone Arledge Cinema

**Session 14
Translational p53 I
Chair: C. Cordon-Cardo**

8:30 - 8:55 AM

A. Gudkov Modulation of p53 activity in normal tissues and tumors: mechanistic insights and therapeutic opportunities. (S39)

9:00 - 9:25 AM

L. Vassilev Pharmacological p53 activation by inhibitors of the p53-MDM2 interaction. (S40)

9:30 - 9:55 AM

G. Selivanova Targeting of p53 by small molecule RITA restores its tumor suppressor function. (S41)

10:00 - 10:10 AM

L. Wu The AmpliChip p53 Test - microarray based detection of p53 mutations in cancer. (P145)

10:15 - 10:25 AM

P. Hainaut Recent developments of the IARC TP53 Database: annotations on the functional impact of mutations add a new dimension for the analysis of mutation spectra in human cancer. (P 227)

10:30 - 11:00 AM

Coffee Break

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Arnold J. Levine

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Ute Moll

Carlo Privesa

11:00 AM - 1:00 PM
Roone Arledge Cinema

Session 15
Translational p53 II
Chair: A. Brailithwaite

11:00 - 11:25 AM

C. Cordon-Cardo Prognostic significance of TP53 in human bladder and prostate cancer and its cooperative effects with PTEN/AKT. (S42)

11:30 - 11:55 AM

A-L. Borreson-Dale Pattern of genetic variation in the TP53 locus indicates LD across flanking genes with certain haplotypes associated with increased breast cancer risk. (S43)

12:00 - 12:25 PM

K. Wiman Therapeutic targeting of mutant p53 by small molecules. (S44)

12:30 - 12:55 PM

W. El Diery Insights into stability and therapeutic manipulation of the effector function of p53. (S45)

1:00 - 2:00 PM

Meeting Adjourns

Box Lunch