

7th International Conference on Environmental Mutagens

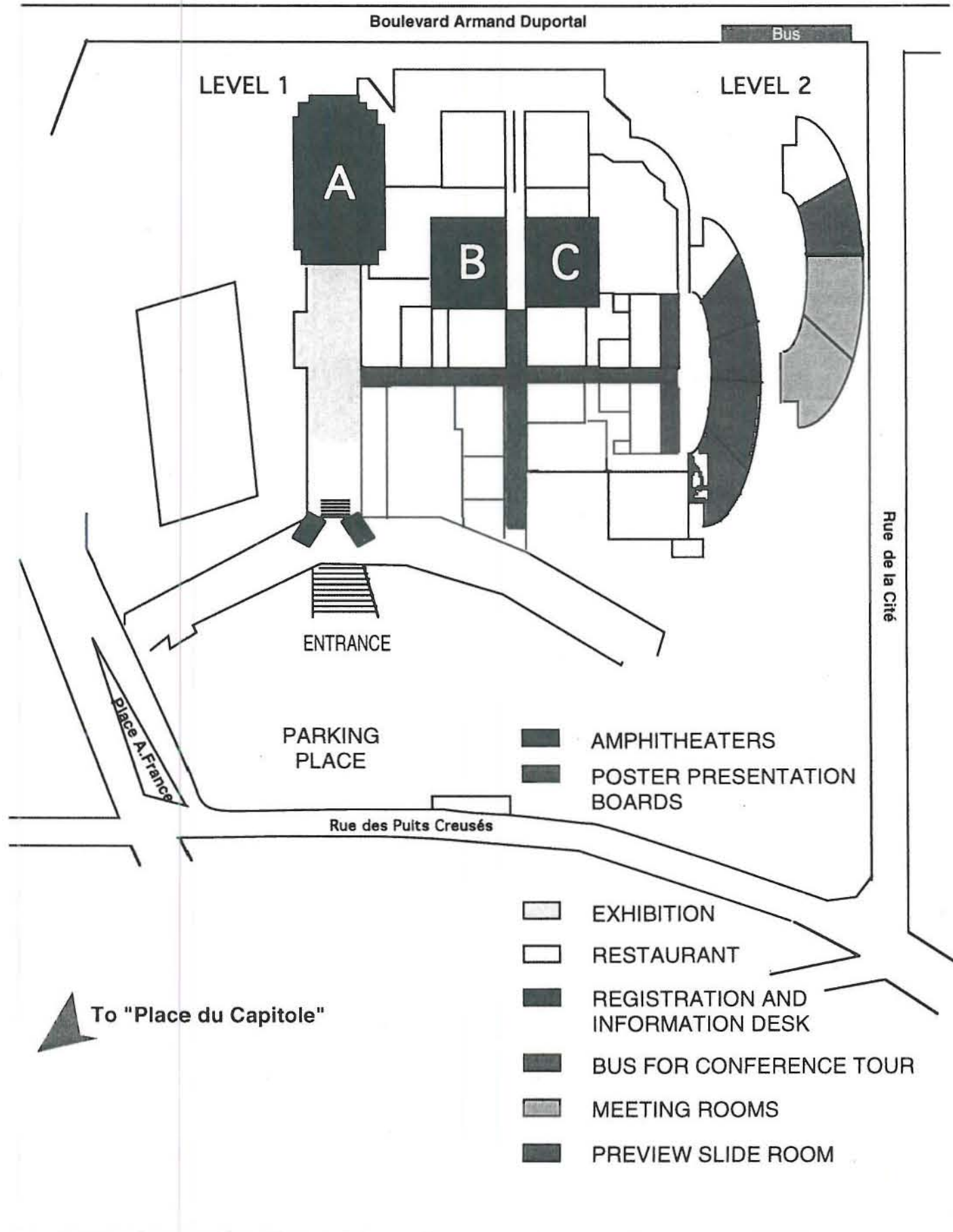


Toulouse, France
September 7-12,
1997



CONFERENCE VENUE

Université des Sciences Sociales
Place Anatole France - TOULOUSE



Message du Président
du 7^e ICEM et de la
Présidente du Comité
Scientifique

Au nom de la Société Française de Toxicologie génétique, nous sommes heureux d'accueillir la 7^{ème} Conférence Internationale sur les effets biologiques des mutagènes de l'environnement dans cette magnifique ville de Toulouse.

Durant les prochains jours, plusieurs aspects nouveaux de la recherche fondamentale seront décrits et discutés. La régulation du cycle cellulaire, la transduction du signal, la réparation de l'ADN et les voies de recombinaison sont des informations essentielles pour la compréhension des effets des mutagènes sur les cellules, les animaux, les plantes et les humains. Plusieurs mécanismes cellulaires, tels que la détection des dommages sur le DNA, la réplication mutagène, les modifications des récepteurs membranaires, la transduction du signal, l'activation des protéines-kinases sont impliqués dans le fait qu'un mutagène donné peut avoir des effets délétères, ce qui à terme peut conduire à des maladies génétiques, voire à des cancers.

Cette recherche fondamentale est absolument nécessaire pour la compréhension et la mise au point de méthodes pratiques, afin de permettre l'identification des mutagènes ou des anti-mutagènes, d'évaluer leur impact sur la santé publique et de diminuer les risques d'exposition des populations par une nouvelle législation nationale ou internationale. Tous ces sujets seront développés lors de symposia et des groupes de travail mettront l'accent sur la recherche en cours et les différentes législations dans de nombreuses régions du monde.

Toulouse, la «Cité Rose» est magnifiquement située sur la Garonne, au Sud de la France, près de la Chaîne des Pyrénées. Quatrième ville française par sa taille, elle possède la deuxième plus importante Université, ce qui fait d'elle une ville jeune et vivante. Son climat très agréable vous donnera la possibilité de discussions animées entre collègues aux terrasses des cafés. Toulouse, a bien sûr, une solide réputation pour sa gastronomie et ses spécialités culinaires sont très appréciées pour diminuer le taux des maladies cardio-vasculaires ou pour accroître l'espérance de vie !

Nous vous remercions à l'avance de votre participation active au 7^{ème} ICEM. La Science est faite par les hommes et les interactions positives entre scientifiques sont absolument nécessaires, non seulement pour produire des résultats nouveaux immédiatement applicables, mais aussi pour garder la science sur le droit chemin de l'éthique.

Ethel MOUSTACCHI
Présidente du
Comité Scientifique

Alain SARASIN
Président de la SFTG
Président du 7^{ème} ICEM

A message from the
President of the 7th
ICEM and the
President of the
Scientific Committee

On behalf of the Société Française de Toxicologie Génétique, we extend a warm welcome to the Seventh International Conference on Environmental Mutagens in the magnificent city of Toulouse.

Over the next days, several new aspects of basic research will be described and discussed in detail. Cell cycle regulation, signal transduction, DNA repair and recombination pathways are essential information in the understanding of the effects of mutagens on cells, animals, plants and humans. Several cell mechanisms, including DNA damage detection, error-prone repair, membrane receptor modifications, signal transduction, activation of protein kinases, are involved in the way a given mutagen can have deleterious effects which can ultimately result in cancer.

This basic research is absolutely necessary to develop practical methods for the identification of mutagens or antimutagens, to assess their impact on public health and eventually to suggest reduced exposure of human populations through new international or national legislations. All these topics will be developed during several symposia and workshops actualizing current research and presentations on various legislations in different parts of the world.

Toulouse, «La Cité Rose», is beautifully located on the Garonne river in the South of France close to the Pyrénées Mountains. It is the 4th French City in size and has the second largest University making this town very young and lively. The weather is very good allowing you to enjoy exciting discussions with colleagues on open terraces. Toulouse is, of course, a reputable city for the French cuisine with a lot of specialities very useful for decreasing the rate of cardiovascular diseases or increasing life expectancy !

We thank you in advance for your active and open participation in the 7th ICEM. Science is made by people and good interactions between scientists are absolutely necessary not only to produce interesting results but also to keep science on the right ethical track.

Ethel Moustacchi
President of Scientific Committee

Alain Sarasin
President of 7th ICEM

A message from the
President of the Inter-
national Association of
Environmental
Mutagen Societies

This International Congress on Environmental Mutagens in Toulouse is of course the seventh in a series which began almost a quarter of a century ago at Asilomar, in California. Those were the heady days when the concept of mutagens as carcinogens was just beginning to be established and the future seemed as exciting as it would be straightforward. The mutagens of concern in those days were (almost) all man-made- it was still possible to refer to the human species as "man" at that time - and the solution to cancer was to get rid of (or at least control) as many environmental mutagens as possible in as short a time as possible!

The picture now is very different, although there are times when the casual observer could be forgiven for believing otherwise. But it may well have been the focus on anthropogenic chemicals in those early days which gave us the techniques with which to begin to recognise the crucial roles of natural and (perhaps especially) endogenous mutagens in the cancers of later life with which so many of us are now primarily concerned. We have also begun to learn a great deal more about processes of antimutagenesis and anticarcinogenesis, again relying very heavily on the assays and techniques developed over the first decade or so after Asilomar.

The "solution" to the cancer problem now seems a little clearer, if no less elusive. Perhaps the time has come to accept that the major problem with our diet lies not so much in the anthropogenic and/or naturally-occurring mutagens-which may or may not be there-as in the kilojoules which undoubtedly are. After all, even before Asilomar we had been firmly told how beneficial calorie restriction could be for laboratory rats.... .. given that many (and perhaps most) human cancers involve several quite separate mutations, can we really continue to espouse the view that a single chemically-induced mutational event is enough to cause cancer? Should we not make at least a passing reference to the fact that this is at best an oversimplification and at worst a well-intentioned misrepresentation which serves to keep us in line with the precautionary principle? Is it not time for students of environmental mutagenesis to pay a great deal more attention to the heritable genetic effects of environmental chemicals once again? If this means paying somewhat less attention to the supposed correlation between mutagens and carcinogens (as opposed to that between mutagenesis and carcinogenesis, which is a subtly different proposition), then so be it. In any event, I believe that this is an opportune time to begin refocussing our activities for the next Millennium, even those of us for whom the role of environmental mutagens in ageing and senescence will be a most pressing concern!

I look forward to meeting with you all in Toulouse.

Donal G. MacPhee
President of IAEMS

Welcome from the European Environmental Mutagen Society

A message from the
President of the European
Environmental Mutagen
Society

On behalf of the European Environmental Mutagen Society (EEMS) I would like to welcome you all to the city of Toulouse which combines a historic past with the forefront of European Aviation Technology. We all hope that you will gain maximum scientific and social benefit from the 7th International Conference on Environmental Mutagens and the satellite meetings organised in Finland, Italy, Germany and the U.K. by our national sections of the EEMS. The EEMS wishes to express its congratulations to the members of the Organising Committee of the ICEM and the Société Française de Toxicologie Génétique for the efforts they have made in producing a programme which reflects the exciting developments taking place in our research area.

You are visiting at a time of major political change and the EEMS is proud of having acted as a scientific link between East and West. We hope you will all find the time to attend both our Symposium (Session XX) on «Genetic damage in the European population?» which illustrates collaborative research projects currently taking place between the former halves of our Society's membership and the Frits Sobels Award Lecture to be given by Professor G. Oliveri.

James M. Parry
President of EEMS

ORGANIZATION

SCIENTIFIC COMMITTEE

I. ADLER	P. LOHMAN
R. J. ALBERTINI	E. MOUSTACCHI, President
B. N. AMES	C. NOLAN
B. A. BRIDGES	F. OESCH
P. CHAMBON	J. M. PARRY
P. C. HANAWALT	M. SORSA
C. HILL	R. J. SRAM
S. KYRTOPOULOS	H. TAKEBE
J. B. LEPECQ	M. TERADA
J. B. LITTLE	J. VIJG
L. LOEB	

ORGANIZING COMMITTEE

A. SARASIN, President
B. SALLES, Vice-President
M. DEFAIS, Treasurer
C. BEAUBESTRE
P. BEAUNE
D. MARZIN
V. THYBAUD

LOCAL ORGANIZATION

EUROPA ORGANISATION
5, Rue Saint Pantaléon - BP 844
31015 Toulouse Cedex 06
Tel: +33 (0)5 61 21 28 48
Fax: +33 (0)5 61 21 28 54

ACKNOWLEDGEMENTS

The 7th ICEM Organizing Committee extends its sincere thanks to the following for their generous support

AGREVO
AGUETTANT SANTÉ
BAYER
BRISTOL MYERS
Centre International de Toxicologie (CIT)
Commissariat à l'Énergie Atomique (CEA, section biologie)
CIBA
Centre National de la Recherche Scientifique (CNRS)
ELF ATOCHEM
HOFFMAN-LAROCHE
Institut National de la Recherche Agronomique (INRA)
Institut National de la Santé et de la Recherche Médicale (INSERM)
Institut de Recherche Pierre Fabre (IRPF)
L'ORÉAL
LÉDERLÉ
MERCK SHARP DOHME-CHIBRET
Ministère de l'Éducation Nationale de l'Enseignement Supérieur et de la Recherche (MENESR)
MINISTÈRE DE L'ENVIRONNEMENT
EUROPEAN COMMUNITY (DNA REPAIR NETWORK and DG XII)
PFIZER
PHARMA 2000
RÉGION MIDI-PYRÉNÉES
RHONE-MÉRIEUX
RHONE-POULENC RORER
ROQUETTE
ROUSSEL
SANDOZ
SANDOZ AGRO-EUROPE
SANDOZ-FRANCE
SANOFI
SERVIER
SOPRA
SYNTHELABO RECHERCHE
THERAMEX
Union des Industries de la Protection des Plantes (UIPP)
UNIVERSITÉ PAUL SABATIER
UPSA
VILLE DE TOULOUSE

In addition to the Companies and Organisations listed above, we are most grateful to those that have funded the attendance of their representatives to the Conference, and equally, to those delegates paying their own way.

CONTENTS

ACCOMMODATION	151
ACCOMPANYING PERSONS PROGRAMME	148
BANKS	149
CERTIFICATE OF ATTENDANCE	147
CONFERENCE VENUE	1 A
CONSULATES	150
DEPARTURE	148
EXHIBITION	141
LISTE OF PARTICIPANTS	111
LUNCHES	147
MAP OF TOULOUSE	153
MAP OF MIDI-PYRENEES REGION	146
MESSAGE SERVICE	147
NAME BADGES	147
POST OFFICE	149
POSTER PRESENTATIONS	147
PREVIEW SLIDE ROOM	147
SATELLITE SYMPOSIA	137
SCIENTIFIC PROGRAMME	7
MONDAY	9
TUESDAY	27
WEDNESDAY	49
THURSDAY	73
FRIDAY	89
SHOPPING	149
SOCIAL EVENTS	148
TELEPHONE	147
TRANSPORT	149



SCIENTIFIC
PROGRAMME

*PROGRAMME
SCIENTIFIQUE*

SUNDAY SEPTEMBER 7 1997

8.00am-7.30 pm

REGISTRATION

AMPHI A
4.30pm-5.30pm

OPENING CEREMONY

Dr. A. Sarasin / President of the 7th ICEM

Pr. P. Puel / Assistant Mayor of Toulouse

Pr. F. Amalric / Representative of the Ministry of Education and Research

Dr. C. Grillot-Courvalin / Representative of the French Ministry of Environment

Dr. J. Godet / Assistant-Director of the Biology Department of the CNRS

Pr. G. Larrouy / President of University Paul Sabatier

Dr. D. MacPhee / President of IAEMS

Dr. J. Parry / President of EEMS

5.30pm-6.00pm

Chemical safety in Europe
G. Del Bino (EC DG XII)

6.00pm-7.00pm

1996 Mutation Research Award
Pr. P.C. Hanawalt (USA)
Genomic Instability: Environmental Invasion and the Enemies Within (PL 1)

7.30pm-8.30pm

APÉRITIF

8.30am-10.00am	Plenary Session
AMPHI A	Chair : G. Chu (USA) and E. Moustacchi (France)
8.30am-9.15am	Biological clocks in genetic toxicology <i>M. Radman (France) (PL 3)</i>
9.15am-10.00am	DNA damage repair syndromes in man and mouse (PL 6) <i>J. Hoeijmakers (The Netherlands)</i>
10.00am-10.30am	COFFEE BREAK
AMPHI A	Mismatch repair, replication fidelity and cancer - Session III A/B
10.30am-1.00pm	Chair : R. Von Borstel (Canada) and J. S. Hoffmann (France)
10.30am-11.00am	A) Spontaneous mutations in non-dividing and in dividing cells Recombination-dependent stationary-phase mutation : a model for mutagenesis in non-dividing cells (O III A.3) <i>S. M. Rosenberg (Canada)</i>
11.00am-11.30am	Creation of new mutant DNA repair enzymes (O III A.1) <i>L. A. Loeb (USA)</i>
11.30am-12.00pm	B) Mechanism of mismatch repair Biochemistry of postreplicative mismatch repair in human cells (O III B.1) <i>J. Jiricny (Switzerland)</i>
12.00pm-12.30pm	DNA mismatch repair defects in drug resistance (O III B.2) <i>P. Karran (UK)</i>
12.30pm-1.00pm	Evolution, cancer and misguided fidelity (O III C.3) <i>D. MacPhee (Australia)</i>
AMPHI B	Structure - activity relationship in carcinogenesis and mutagenesis : What is their true role and value ? - Session II
10.30am-1.00pm	Chair : L. Ferguson (N. Zealand) and B. Molinier (France)
10.30am-11.00am	When and how should we perform QSAR analyses ? (O II.2) <i>R. Benigni (Italy)</i>
11.00am-11.30am	SAR in predictive toxicology : reality, distant goal or adjunct ? (O II.1) <i>H. S. Rosenkranz (USA)</i>
11.30am-12.00pm	TOPKAT 5.0 and modulation of toxicity (O II.3) <i>K. Enslein (USA)</i>
12.00pm-12.30pm	Using SAR in an integrated approach to carcinogenic risk assessment (O II.5) <i>J. J. Langowski (UK)</i>
12.30pm-1.00pm	Inextricable linkage of an SAR to a single mechanism of carcinogenicity or mutagenicity : Curse or blessing ? (O II. 4) <i>A. M. Richard (USA)</i>
AMPHI C	Regulations update and industrial views - Session XIX A
10.30am-1.00pm	Chair : D. Casciano (USA) and V. Thybaud (France)
10.30am-10.45am	A) Genotoxicity guidelines and harmonization : what's new ? ICH harmonisation of genotoxicity testing for pharmaceuticals; consequences for industry and regulatory bodies (O XIX A.1) <i>L. Müller (Germany)</i>
10.45am-11.00am	The problem of <i>in vivo</i> specific mutagens real or imaginary ? (O XIX A.1) <i>D. Tweats (UK)</i>
11.00am-11.15am	Report of an international collaborative study of the mouse lymphoma assay using the microwell method (O XIX A.3 b) <i>T. Sofuni (Japan)</i>
11.15am-11.30am	Novel pharmaceutical / chemical structures and the need for more extensive genotoxicity testing (O XIX A.1) <i>L. Schechtman (USA)</i>
11.30am-11.45am	Discussion
11.45am-12.00pm	New OECD genotoxicity guidelines : A critical review in relation to other international guidelines (O XIX A.5) <i>D. Kirkland (UK)</i>
12.00pm-12.15pm	Regulatory issues in the aftermath of international harmonization of mutagenicity test guidelines (O XIX A.7) <i>D. H. Blakey (Canada)</i>

12.15pm-12.30pm	Interpretation of regulatory guidelines : An industrial view (O XIX A.6) <i>L. Henderson (UK)</i>
12.30pm-12.45pm	Unresolved problems in guidelines for mutagenesis (O XIX A.8) <i>D. Marzin (France)</i>
12.45pm-1.00pm	Discussion
12.30pm-2.00pm	MEAL
AMPHI A 2.00pm-3.30pm	Mismatch repair, replication fidelity and cancer - Session III C Chair : E. Chu (USA) and J. Laval (France)
2.00pm-2.30pm	C) Cancer predisposition Mutations in HNPCC (O III C.1) <i>L.A. Aaltonen (Finland)</i>
2.30pm-3.00pm	Spontaneous mutation in colon cancer cells (O III A.2) <i>M. Meuth (USA)</i>
3.00pm-3.30pm	Early and late clonal genomic alterations in cancer cells (O III C.2) <i>B. Dutrillaux (France)</i>
AMPHI B 2.00pm-3.30pm	WORKSHOP : Session XXIII Impact of environmental mutagens on genetic biodiversity Chair : Shabeg S. Sandhu (USA) and P. Gauduchon (France)
2.00pm-2.30pm	Introduction and scope of session <i>S. Sandhu (USA)</i>
2.30pm-3.00pm	Unnatural selection : genetic and evolutionary consequences of environmental pollution <i>J. Bickham (USA)</i>
3.00pm-3.30pm	Genomic instability in response to environmental stressors <i>R. S. Athwal (USA)</i>
AMPHI C 2.00pm-3.30pm	Transgenic model for studying environmental mutagenesis - Session XV A Chair : J. Van Delft (The Netherlands) and R. Forster (France)
2.00pm-2.30pm	A) Use for mutagenesis studies The use of transgenic animals carrying the <i>E. coli lacI</i> gene in understanding mutagenesis and carcinogenesis (O XV A.1) <i>B. W. Glickman (Canada)</i>
2.30pm-3.00pm	A proposal for the use of <i>in vivo</i> mutation assays in cancer assessments (O XV A.2) <i>N. J. Gorelick (USA)</i>
3.00pm-3.30pm	Validation and strategic use of <i>in vivo</i> transgenic gene mutation assays (O XV A.3) <i>S. Dean (UK)</i>
3.30pm-5.00pm	POSTER PRESENTATIONS (Sessions II-III-XV-XIX-XXI) and COFFEE BREAK
AMPHI A 5.00pm-7.00pm	WORKSHOP : Session XXI SOS Chromotest Chair : M. Hofnung (France) and R. Devoret (France)
5.00pm-5.15pm	Contribution of the SOS chromotest to genetic toxicology (O XXI.1) <i>P. Quillardet (France)</i>
5.15pm-5.30pm	SAR models of the SOS chromotest : Mechanistic implications (O XXI.2) <i>H. S. Rosenkranz (USA)</i>
5.30pm-5.45pm	Investigating the sources and fate of genotoxic substances in aquatic systems with the SOS chromotest (O XXI.3) <i>P. A. White (USA)</i>
5.45pm-6.00pm	Use of the SOS chromotest to study the genotoxic activity of several organohalogenated compounds found in drinking water (O XXI.4) <i>F. Le Curieux (France)</i>
6.00pm-6.15pm	The SOS chromotest for basic genetics (O XXI.5) <i>S. V. Vasilieva (Russian Federation)</i>
6.15pm-6.30pm	A comparison between the SOS chromotest and the <i>Salmonella</i> TA100 Ames test (O XXI.6) <i>E. Eder (Germany)</i>
6.30pm-7.00pm	Discussion

AMPHI B
5.00pm-6.30pm

WORKSHOP : Session XXIII (following)
Impact of environmental mutagens on genetic biodiversity
Chair : Shabeg S. Sandhu (USA) and P. Gauduchon (France)

5.00pm-5.30pm

Monitoring mutagenesis in natural populations

P. Hebert (Canada)

5.30pm-6.00pm

Measures of genetic diversity and influence of bottlenecks

L. Chikhi (Italy)

6.00pm-6.30pm

Discussion

AMPHI C
5.00pm-6.00pm

Transgenic model for studying environmental mutagenesis - Session XV B

Chair : J. Van Delft (The Netherlands) and R. Forster (France)

5.00pm-5.30pm

B) Use for fundamental carcinogenesis mechanisms

Transgenic mouse models as tools to define specific chemical-gene interactions (O XV B.1)

R. Tennant (USA)

5.30pm-6.00pm

Nucleotide excision repair-defects and mutations in the XPA - deficient mice (O XV B.2)

K. Tanaka (Japan)

AMPHI C
6.00pm-7.00pm

General Assembly IAEMS

POSTER PRESENTATIONS

Sessions II, III, XV, XIX, XXI

- SESSION II: STRUCTURE-ACTIVITY RELATIONSHIP IN CARCINOGENESIS AND MUTAGENESIS: WHAT IS THEIR TRUE ROLE AND VALUE?
- P II.1 Flavonoids, oxygen radicals and chromosomal aberrations in V79 cells: A structure activity study
Jorge Gaspar, Isabel Duarte Silva, Gonçalo Gomes da Costa, Antonio Rodrigues, Antonio Laires and José Rueff
- P II.2 Preliminary data for a study on the relationship between structure and genotoxicity of progestins
Giovanni Brambilla and Antonietta Martelli
- P II.3 Phenols, oxygen radicals and genotoxicity
Jorge Gaspar, Daniela Leão, Maria Paula Duarte, Antonio Laires, José Santos Oliveira and José Rueff
- P II.4 Theoretical background of the relationships structure-genotoxicity for rodents and bacteria in the series of short-chain halogenated hydrocarbons and alcohols
Nina Kharchevnikova, Zoya Zholdakova and Vyacheslav Zhurkov
- P II.5 Generation of structure-activity relationship (SAR) data from standard Ames screening assays
Patricia Lafouge and J.-Albert Vericat
- P II.6 Inextricable linkage of an SAR to a single mechanism of carcinogenicity or mutagenesis
Ann M. Richard
- P II.7 Formation of nitrated aromatic compounds from benzene and peroxyxynitrite, a possible mechanism of benzene genotoxicity
Jingsheng Tuo, Simon P Wolff, Steffen Loft and Henrik E. Poulsen
- P II.8 Genetic activity profiles (GAP) for windows
H.F. Stack, M.A. Jackson, P.H.M. Lohman, W.J.A. Lohman and M.D. Waters
- SESSION III: MISMATCH REPAIR, REPLICATION FIDELITY AND CANCER
- A. Spontaneous mutations in non-dividing and in dividing cells
- P III A.1 Antimutagenic effects of catabolite-repressing sugars in UV irradiated cells of *Escherichia coli*
Mark Ambrose and Donald MacPhee
- P III A.2 MNNG tolerance is not an inevitable phenotype of the hMSH2 deficient cell
Qian Ying, Yingnian Yu, Xingruo Chen, Jianhong Luo and Haiyang Xie
- P III A.3 CHO mutant cell lines lacking nucleotide excision repair and mismatch repair
Ken-ichiro Nara, Fumio Nagashima, Masashi Takao and Akira Yasui
- P III A.4 Effect of mismatch repair on UV- and MMS- mutagenesis of λ *susO8* phage induced under conditions permissive and nonpermissive for phage DNA replication
Irena Pietryzkowska and Anna Czajkowska
- P III A.5 Analysis of the background hprt mutant frequency and microsatellite mutations in healthy young adults
Margaret Davies, Joanne Turner and Paul Rumsby
- P III A.6 Resistance to 6-thioguanine in mismatch repair-deficient human cancer cell lines correlates with an increase in mutations at the HPRT locus
Warren E. Glaab and Kenneth R. Tindall

- P III A.7 Sensitivity to CCNU in methylation tolerant mismatch repair defective human cells
Gabriele Aquilina, Sabrina Ceccotti, Simone Martinelli, Richard Hampson and Margherita Bignami
- P III A.8 Increased somatic recombination in methylation tolerant human cells with defective mismatch repair
Carmela Ciotta, Sabrina Ceccotti, Gabriele Aquilina, Fabio Palombo, Josef Jiricny, Odile Humbert and Margherita Bignami
- P III A.9 Influence of nuclear DNA polymerases and MSH3 gene on adaptive mutations in yeast *Saccharomyces cerevisiae*
Agnieszka Halas, Hanna Baranowska, Zofia Policinska and Witold Jachymczyk
- P III A.10 Conditions for the study of mutations in non-dividing cells of *Saccharomyces cerevisiae*
Erich Heidenreich and Ulrike Wintersberger
- P III A.11 Bypass synthesis of site-specific benzo[a]pyrene diol epoxide-adducted template DNA by T7 RNA polymerase
Kathryn Martin Remington, Samuel E. Bennett, Constance M. Harris, Thomas M. Harris, and Katarzyna Bebenek
- B. Mechanism of mismatch repair
- P III B.1 Replication of damaged DNA in *Saccharomyces cerevisiae*
Kathy Baynton, Anne Bresson-Roy and Robert P.P. Fuchs
- P III B.2 PCNA is required in mismatch repair at a step preceding DNA synthesis
Asad Umar, Andrew B. Buermeyer, Jeffrey A. Simon, David C. Thomas, Alan Clark, R. Michael Liskay and Thomas A. Kunkel
- P III B.3 The asymmetry of mutagenesis during replication of leading and lagging DNA strand in *E. coli* chromosome
Iwona J. Fijalkowska, Piotr Jonczyk, Magdalena Maliszewska-Tkaczyk, Malgorzata Podsiadla, Damian Gawel and Roel M. Schaaper
- P III B.4 Specific protein-protein interactions between *E. coli* DNA replication proteins
Piotr Jonczyk, Adrianna Nowicka and Iwona J. Fijalkowska
- P III B.5 Activation of the proto-oncogene HRAS by DNA polymerase β mediated translesion synthesis
Mathilde Fréchet, Corinne Cayrol, Christophe Cazaux, Nicolas Tanguy le Gac, Giuseppe Villani, Bernard Ducommun and Jean-Sébastien Hoffmann
- P III B.6 Complementation of the xeroderma pigmentosum-variant defect in thymine dimer replication *in vitro*
Daniel L. Svoboda
- P III B.7 Isolation and characterization of a novel mutator strain of *Escherichia coli* that generates GC-to-CG transversions
Shuji Yonei, Naoko Ishikawa and Qiu-Mei Zhang
- P III B.8 Lowering of DNA replication fidelity is the chief mechanism of MNNG induced genetic instability characterized by non-targeted mutagenesis in mammalian cells
Zhaohui Feng, Xuemin Sun, Yingnian Yu and Xingruo Chen
- P III B.9 Effect of the major cisplatin DNA adduct on the activities of the herpes simplex virus type-1 helicase-primase
Nicolas Tanguy Le Gac, Paul E. Boehmer, Jean-Sébastien Hoffmann and Giuseppe Villani

- P III B.10 Identification and characterization of exo/endonucleases involved in mutation avoidance in *S. cerevisiae*
Daniel X. Tishkoff, Pascale Bertrand, Adrienne Boerger, Nicole Filosi, Gretchen M. Gaida and Richard D. Kolodner
- C. Cancer predisposition
- P III C.1 Genetic predisposition, induction of chromosome aberrations and development of cancer
William W. Au
- P III C.2 DNA mismatch binding defects in human lung tumor cell lines
Shanbeh Zienolddiny, David Ryberg, Adi F. Gazdar and Aage Haugen
- P III C.3 Cytogenetic analysis of the effect of p53 mutation on chromosome stability in an in vitro human thyroid cancer cell model system
Elizabeth M. Parry and Hakan Ulucan
- P III C.4 Exploring through mutation spectra studies the model of information erasing as a cause of cancer
Primavera Grigoriu de Buendia
- P III C.5 Identification of a cell senescence gene on human chromosome 6q16.3 by functional complementation of immortal cell lines
A.K. Sandhu, N. Rane, G.P. Kaur, J.K. deRiel and R.S. Athwal
- P III C.6 A positive selection assay for genomic instability
Aimee L. Jackson and Lawrence A. Loeb

SESSION XV: TRANSGENIC MODEL FOR STUDYING ENVIRONMENTAL MUTAGENESIS

- A. Use for mutagenesis studies
- P XV.1 Mutant frequencies and mutation spectra of *lacI* and lambda *cII* gene in Big BlueTM Mice treated with dimethylnitrosamine
Xue Wang, Takayoshi Suzuki, Toshiaki Itoh, Makoto Hayashi and Toshio Sofuni
- P XV.2 Collaborative study on the transgenic mutation assay by JEMS/MMS
Takayoshi Suzuki
- P XV.3 The DNA damaging antiandrogen cyproterone acetate is mutagenic in the liver of transgenic Big Blue rats
Otheinz Krebs, Jack Favor, Bettina Schäfer and Thomas Wolff
- P XV.4 4-Chloro-o-phenylenediamine a 26-week oral (in feed) mutagenicity study in Big BlueTM mice
Willi Suter, Frank Staedtler, Franziska Locher, Tracey Swingler and Laura Wilson
- P XV.5 Increase in the frequency of LacI mutants accompanies development of hepatitis in the livers of LEC rats
Hideko Sone, Ying Jie Li, Minako Nagao and Yasunobu Aoki
- P XV.6 The spectrum of spontaneous mutation in the Big BlueTM *lacI* transgene: Evidence compatible with A+T mutation pressure on a high G+C content transgene
Steve S. Sommer, Victoria L. Buettner, Kathleen A. Hill and Hiroshi Nishino
- P XV.7 In vivo and in vitro mutagenicity and mutational spectrum of epoxybutene and diepoxybutane to assess their roles in the in vivo mutagenicity of 1,3-butadiene
Leslie Recio, Rogene Henderson, Kathy Meyer, Linda Pluta, Christopher J. Saranko and Ann-Marie Steen

- P XV.8 In vivo mutagenicity of 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQX) in lacI transgenic mice
Toshiaki Itoh, Takayoshi Suzuki, Xue Wang, Makoto Hayashi, Akiyoshi Nishikawa, Shinichiro Ikezaki, Fumio Furukawa, Michihito Takahashi and Toshio Sofuni
- P XV.9 Dimethylnitrosamine and chloroform induced mutagenic profiles in lacI transgenic B6C3F1 mice over 180 days
Byron Butterworth, Catherine Sprankle, Michael Templin, Alex Constan, Douglas Wolf, Linda Pluta, Brian Wong and Leslie Recio
- P XV.10 Quantitative and molecular analysis of DMBA-induced mutations in the model BlueRatTM. Comparison of mutagenesis in the transgene lacI with the endogenous gene hprt
Daniel A. Casciano, Robert H. Heflich, Anane Aidoo and Mugimane G. Manjanatha
- P XV.11 Dose dependent change in the mutation spectrum of the lacI transgene isolated from Big BlueTM mice subchronically treated with 4-chloro-o-phenylenediamine
Jaime Crespo-Perez, Franziska Locher, Tracey Swingler, Laura Wilson, Sandra Steiner, Willi Suter and Frank Staedtler
- P XV.12 Detection of quinoline-induced mutation in the lacZ transgenic mouse
Yuko Miyata, Ken-ichi Saeki, Yutaka Kawazoe, Takayoshi Suzuki, Makoto Hayashi and Toshio Sofuni
- P XV.13 Role of DNA-adduct formation and cell proliferation in the induction of gene mutations by 5,9-dimethyl-dibenzocarbazole in MutaTM Mouse liver
Françoise Tombolan, Dominique Brault, Dominique Renault, François Périn, Odette Périn-Roussel, Danièle Taras and Véronique Thybaud
- P XV.14 Testing chemicals in MutaTM Mouse system
Mihaly Szegedi, Stephen W. Dean and Ildiko Csapka
- P XV.15 Tissue-specific mutagenicity of 7H-dibenzo[c,g]carbazole and two derivatives in MutaTM Mouse following topical application
Dominique Renault, Dominique Brault, Françoise Tombolan, François Périn and Véronique Thybaud
- P XV.16 Genotoxicity of methylating agents in transgenic mice
V. Pletsas, V.L. Souliotis, M.J. Steenwinkel, J.H.M. van Delft, R.A. Baan and S.A. Kyrtopoulos
- P XV.17 Kinetics of detection of β -propiolactone and N-N'-nitro-N-nitrosoguanidine genotoxic effects in mouse gastric mucosa using single gel cell electrophoresis assay and MutaTM mouse assay
Dominique Brault, Dominique Renault, Françoise Tombolan and Véronique Thybaud
- B. Use for fundamental carcinogenesis mechanisms
- P XV.18 Development of transgenic mouse mutation test model containing XYLE target gene
Mu-Quan Yin, Jian Huang, Yao-Fu Chen, Jian-Quan Chen, Guo-Xiang Cheng, Shao-Fu Xu, Jerry L. Hsueh and Xin-Fang Qiu
- P XV.19 Environmental carcinogen (DMBA) acts synergistically in int-5/aromatase transgenic mice that have increased mammary estrogen activity
Nagalakshmi Keshava, C. Fang, Kapil N. Bhalla and Rajeshwar Rao Tekmal
- P XV.20 Toxic and mutagenic effects of 2-amino-1-methyl-6-phenylimidazo-[4,5-b]-pyridine (PhIP) in XPA deficient mice
Johanna Klein, Edwin Zwart, Coen van Kreijl and Harry van Steeg

- P XV.21 The origin of spontaneous mutations in the PHIX174 AM3, CS70 transgenic system
Heinrich V. Malling and Robert P. Weaver
- P XV.22 New transgenic mouse gpt-delta for the efficient detection of point mutations and deletions in vivo
Takehiko Nohmi, Hiroshi Suzuki, Motoe Katoh, Ken-ichi Masumura, Makoto Suzuki, Keiko Matsui, Michiko Matsui, Masami Yamada, Masahiko Watanabe, Naoko Horiya, Otoy Ueda, Tohru Shibuya, Hideo Ikeda and Toshio Sofuni
- P XV.23 Gene mutation assays in LacZ transgenic mice: Comparison of LacZ with endogenous genes in splenocytes and small intestine epithelial cells
Joost van Delft, Angela Bergmans, Fred van Dam, Ad Tates, Louise Howard, Douglas Winton and Robert Baan
- P XV.24 Induction of somatic intrachromosomal recombination inversion events by cyclophosphamide in a transgenic mouse model
Pamela J. Sykes, Antony M. Hooker, Carolyn S. Harrington, Andrew K. Jacobs, Linda Kingsbury and Alexander A. Morley
- P XV.25 Compared with control mice, MSH2⁻ but not MSH2⁺ LacI transgenic mice demonstrate elevated mutation frequencies in response to MNU
Susan E. Andrew, Margaret McKinnon, Benjamin Chang, Agnes Francis, Janice Penney and Frank R. Jirik
- P XV.26 Venezuela encephalomyelitis of horses virus (VEE) capable to cause cytogenetic infringements in tumor cells
Evgeniy Rogozin, Ludmila Urazova and Nicolai Ilyinskikh

SESSION XIX: REGULATION UPDATE AND INDUSTRIAL VIEWS

- P XIX.1 Prediction of rodent carcinogenicity by using a battery of in vitro and in vivo mutation tests
Byung-Soo Kim and Barry H. Margolin
- P XIX.2 The mouse lymphoma TK assay (MLA): experiences with continuous (24 hour) treatment incubation
Julie Clements, Michael Fellows, Joanne Wilkinson, Lesley Reeve, Matthew Hayes, Dianne Middleton and Rebecca Plaxton
- P XIX.3 Species specificity in the bone marrow micronucleus assay
Barry Elliott, Kath Griffiths, James Mackay and Julie Wade
- P XIX.4 The influence of duration and number of cell cycles after mutagenic exposure on SCE rate
Sergey Stukalov and Sergey Kuzin
- P XIX.5 Cytotoxic and morphological transforming effects of refractory ceramic fibers in syrian hamster embryo (SHE) cells
Zoé Elias, Odile Poirot, Marie-Céleste Danière, Francine Terzetti and Anne Marie Marande
- P XIX.6 Urethane and phenobarbital are not mutagenic to L5178Y TK +/- cells without S9 following standard and extended treatment times
Philip Clay, Chris Williams, James Mackay and Barry Elliott
- P XIX.7 Micronucleus (MN) frequency in nasal respiratory epithelium cells from young adults living in urban areas with different levels of air pollution
M.E. Gonsebatt, M. del Valle, T. Fortoul, D. Pinto, J.M. Ceballos and G. Garcia
- P XIX.8 Development and validation of rat micronucleus (MN) analysis using flow cytometer: A comparison with manual method
G. Krishna, K. Criswell, D. Zielinski, G. Urda and J. Theiss

- P XIX.9 Migration and mutagenic potentiality of food contact materials: A new strategy for testing their safety
Isabelle Leguy, Anne-Marie Le Bon, Christine Belloir, Jean-Claude Lhuguenot and Marie-Christine Chagnon
- P XIX.10 Analytical methods of toxic and genotoxic evaluation to the control of environmental quality
Vera Vargas, Clarice Lemos, Iara Martins, Beatriz Troviscal, M. Luiza Gatto, M. Helena Stringuini, M. Lucia Rodrigues, Rubem Horn, Inara Pedrotti, João Santos, Ana Mittelstaedt, Irascema Azevedo, Patricia Rödel, Isabel Ferreira and Nara Terra
- P XIX.11 Revising the UKEMS statistics guidelines for the new millennium
David P. Lovell and Michael H.L. Green
- P XIX.12 The mouse lymphoma assay - universal catchall?
Martha M. Moore and Jane Cole
- P XIX.13 Hygiene classification of pesticides mutagenicity
Julia Revazova and Vaycheslav Shurkov
- P XIX.14 Categorization of pesticides according to their carcinogenic hazard to humans
Vladimir Turusov and Valery Rakitsky
- P XIX.15 Morphological transformation and inhibition of intercellular communication of Syrian hamster embryo cells by hepatic peroxisome proliferators
Véronique Cruciani, Claudine Rast, Marie-José Durand, Stéphanie Alexandre, Giao Nguyen-Ba and Paule Vasseur
- P XIX.16 Chemical hygiene: a necessary condition for the prevention of cancer
Nik van Larebeke, Joris Derman and Irena Tallon
- SESSION XXI: WORKSHOP ON SOS CHROMOTEST
- P XXI.1 SOS chromotest strains with specific genetic markers for the determination of genotoxic mechanisms
Erwin Eder and Christoph Deininger
- P XXI.2 SOS chromotest results in a broader context II: Empirical relationships between SOS genotoxicity and several in vivo mutagenicity end-points
Paul A. White
- P XXI.3 Applicability of the Salmonella *sulA*-test to detect complex environmental mixtures
Michel De Méo, Mohammed El Mzibri, Michèle Laget, Hélène Guiraud and Gérard Duménil
- P XXI.4 Evaluation of the Salmonella *sulA*-test for the detection of genotoxins
Mohammed El Mzibri, Michel De Méo, Michèle Laget, Hélène Guiraud and Gérard Duménil
- P XXI.5 Mutations and processes repair; control of some genetic characters of *E. coli* PQ37 strain
Sabrina Ait Ahmed and Soumaya Chellali
- P XXI.6 Screening for genotoxicity with SOS chromotest
R. Vachkova-Petrova and E. Tyagunenko
- P XXI.7 The SOS chromotest: An analysis from published data on 950 chemicals
P. Quillardet, E. Touati and M. Hofnung
- P XXI.8 Inhibition of SOS response in *E. coli* PQ37 by heated turmeric and curcumin
Kalpagam Polasa, A. Nadamuni Naidu and R. Krishnaswamy

P XXI.9

The SOS inducing potency of four textile dyes
R. C. Sobti, Meenu Kaushal and P. Quillardet

P XXI.10

A study on the mutagenic effects of some plant growth hormones by salmonella/microsome and SOS chromotest systems
öksuzoglu Emine, Diril Nuran and Durusoy Mubeccel

P XXI.11

The SOS lux test for the detection of genotoxic agents
Petra Rettberg, Leonid R. Ptitsyn, Olga Komova, Stanislav Kozubek, Eugene Krasavin, Marin Bonev and Gerda Horneck

8.30am-10.00am	Plenary Session
AMPHI A	Chair : J. Gentile (USA) and B. Dutrillaux (France)
8.30am-9.15am	Chromosome aberrations induced by genotoxins (PL 7) <i>A. T. Natarajan (The Netherlands)</i>
9.15am-10.00am	Ataxia - telangiectasia and the ATM protein : DNA damage and more (PL 10) <i>Y. Shiloh (Israel)</i>
10.00am-10.30am	COFFEE BREAK
AMPHI A	Chromatin and DNA repair - Session VI
10.30am-12.30pm	Chair : A. Van Zeeland (The Netherlands) and G. Almouzni (France)
10.30am-11.00am	Imaging sites where damaged DNA is repaired, and their relationship to transcription factories (O VI.1) <i>P. R. Cook (UK)</i>
11.00am-11.30am	Differential repair of structurally related alkylation lesions in specific genes : influence on the risk of mutation and malignant conversion <i>M. F. Rajewsky (Germany)</i>
11.30am-12.00pm	Regulation of gene repair and transcription in normal human cells, and in premature aging syndromes (O VI.3) <i>V. A. Bohr (USA)</i>
12.00pm-12.30pm	DNA methylation and gene expression in normal and tumour cells <i>R. Holliday (Australia)</i>
AMPHI B	Ionizing radiation and mechanisms of genetic instability - Session X
10.30am-1.00pm	Chair : M. Zdzienicka (The Netherlands) and D. Averbeck (France)
10.30am-11.00am	Radiation-induced genomic instability : delayed mutagenic and cytogenetic effects (O X.1) <i>J. B. Little (USA)</i>
11.00am-11.30am	Radiation-induced genomic instability in haemopoietic cells (O X.3) <i>E. G. Wright (UK)</i>
11.30am-12.00pm	Chromosomal instability in human lymphocytes after low dose rate gamma-irradiation and delayed mitogen stimulation (O X.4) <i>B. Lambert (Sweden)</i>
12.00pm-12.30pm	Chromosomal instability and telomere length (O X.2) <i>L. Sabatier (France)</i>
12.30pm-1.00pm	The role of telomeres in genetic instability (O X.5) <i>J. P. Murnane (USA)</i>
AMPHI C	Regulations update and industrial views - Session XIX B/C
10.30am-1.00pm	Chair : B. Elliott (UK) and D. Marzin (France)
10.30am-1.00pm	B) From fundamental research to regulatory guidelines
10.30am-10.50am	Mechanistic research in interpretation of <i>in vitro</i> genotoxicity (O XIX B.1) <i>S. Galloway (USA)</i>
10.50am-11.10am	How new <i>in vivo</i> assays will help in the assessment of genotoxicity risk (O XIX B.3) <i>V. Thybaud (France)</i>
11.10am-11.30am	Translating new technologies into new regulatory guidelines for risk assessment (O XIX B.4) <i>R. Elespuru (USA)</i>
11.30am-11.50am	Forward feeding : from research to policy in the Commission <i>C. Nolan (EC/Belgium)</i>
11.50am-12.10pm	C) Alternative tests for carcinogenesis
11.50am-12.10pm	Moving away from a two species requirement for carcinogenicity studies : A regulatory perspective (O XIX C.1) <i>J. W. van der Laan (The Netherlands)</i>
12.10pm-12.30pm	Cell transformation in Syrian Hamster Embryo (SHE) cells : A biologically relevant and predictive method for assessing carcinogenic potential (O XIX C.2) <i>R. LeBoeuf (USA)</i>
12.30pm-12.50pm	Use of transgenic bioassays to distinguish carcinogens and noncarcinogens <i>R. Tennant (USA)</i>

12.30pm-2.00pm	MEAL
AMPHI A 2.00pm-3.30pm	Nucleotide excision repair and transcription - Session V A Chair : G. Holmquist (USA) and F. Larminat (France) A) Molecular mechanisms
2.00pm-2.30pm	Nucleotide excision repair mechanism in human cells : analysis by <i>in vitro</i> assays (O V A.1) <i>B. Salles (France)</i>
2.30pm-3.00pm	Cellular responses to transcription arrest (O V A.3) <i>P. C. Hanawalt (USA)</i>
3.00pm-3.30pm	TFIIH and TFIIID between transcription and repair (O V A.2) <i>J. M. Egly (France)</i>
AMPHI B 2.00pm-3.30pm	Mutational signatures of known environmental carcinogens - Session XI A Chair : W. Franklin (USA) and D. Papadopoulo (France) A) Gene and chromosomal levels
2.00pm-2.30pm	Structure-function studies of DNA polymerase error specificity (O XI A.1) <i>T. A. Kunkel (USA)</i>
2.30pm-3.00pm	Wavelength dependence of UV mutagenesis in mammalian cells (O XI A.3) <i>E. A. Drobetsky (Canada)</i>
3.00pm-3.30pm	Mutation induction at the <i>hprt</i> and <i>aprt</i> loci in wild type and repair deficient mice (O XI A.2) <i>H. Vrieling (The Netherlands)</i>
AMPHI C 2.00pm-4.00pm	Regulations update and industrial views - Session XIX D Chair : D. Brusick (USA) and J. R. Claude (France) D) Integration of genotoxicity evaluation in the routine toxicology studies : practical and regulatory considerations
2.00pm-2.30pm	Opportunities for the integration of genotoxicity evaluation into general toxicology studies (O XIX D.1) <i>J. MacGregor (USA)</i>
2.30pm-3.00pm	Integration of genotoxicity evaluation into general toxicology studies-The blood micronucleus assay in rodents (O XIX D.3) <i>M. Hayashi (Japan)</i>
3.00pm-3.30pm	Principles and practices for integrating genotoxicity evaluation in routine industrial toxicology studies (O XIX D.2) <i>G. Krishna (USA)</i>
3.30pm-4.00pm	Timing of genotoxicity studies in the toxicological and clinical study programme for a new pharmaceutical (O XIX D.4) <i>L. Müller (Germany)</i>
3.30pm-5.00pm	POSTER PRESENTATIONS (Sessions I-IV-V-VI-X-XI) and COFFEE BREAK
AMPHI B 3.45pm-4.45pm	WORKSHOP : Session XXIV Meeting on the International Collaborative Project on Micronucleus Frequency in Human Populations <i>M. Fenech (Australia)</i>
AMPHI A 5.00pm-6.30pm	Nucleotide excision repair and transcription - Session V B Chair : E. Dogliotti (Italy) and E. Sage (France) B) Consequences on mutagenesis and pathologies
5.00pm-5.30pm	Processing of structurally different DNA lesions by nucleotide excision repair (O V A.4) <i>L. H. F. Mullenders (The Netherlands)</i>
5.30pm-6.00pm	Mutations in DNA repair genes : relationships to clinical features (O V B.1) <i>A. R. Lehmann (UK)</i>
6.00pm-6.30pm	Molecular signal for the UV-induced p53 protein stabilization (O V B.2) <i>A. Sarasin (France)</i>
AMPHI B 5.00pm-6.00pm	Mutational signatures of known environmental carcinogens - Session XI B Chair : W. Franklin (USA) and D. Papadopoulo (France) B) Pathology and mitochondrial levels
5.00pm-5.30pm	p53 mutations and environmental carcinogenesis : relevance to etiology and pathogenesis (O XI A.4) <i>R. Montesano (France)</i>
5.30pm-6.00pm	Clinical presentation of mitochondrial disorders in childhood <i>A. Munnich (France)</i>

POSTER PRESENTATIONS

Sessions I, IV, V, VI, X, XI

SESSION I: METABOLISM OF MUTAGENS AND CHEMICAL CARCINOGENS

- P I.1 Glutathione S-transferases as risk factors in prostate cancer
Judith Autrup, Lars H. Thomassen, Jørgen H. Olsen and Herman Autrup
- P I.2 Kinetics of adduct formation and spontaneous release by C2, C3 and C4 epoxides with DNA in aqueous solution
David Watson, Leo Burka, Michael Kohn, Ronald Melnick and Michael Cunningham
- P I.3 Modulation of genetic damage: Experimental interference with mechanisms of metabolic activation
Enrique Zamorano-Ponce, Julia Fernandez Romero, Pilar Rivera Caamaño and Carlos Barrios Guerra
- P I.4 Influence of glutathione S-transferase (GST) T1, M1 AND P1 genotypes on individual sensitivity to cytogenetic effects of 1,2:3,4-diepoxybutane in cultured human lymphocytes
Stefano Landi, Hannu Norppa, Giada Frenzilli, Genziana Cipollini, Isabella Ponzanelli, Roberto Barale and Ari Hirvonen
- P I.5 Mutagenicity testing of the mycotoxin ochratoxin A in human cytochrome P450 expressing cell lines
Els M. de Groene, Gerben J. Schaaf, G. Jean Horbach and J. Fink-Gremmels
- P I.6 Involvement of rat cytochromes P450 in the bioactivation of galangin
Isabel Duarte Silva, Antonio Rodrigues, Jorge Gaspar, Antonio Laires and José Rueff
- P I.7 Expression of human cytochrome P450 1A2 in *Escherichia coli*: A new system for biotransformation and genotoxicity studies of chemical carcinogens
M. Kranendonk, P. Mesquita, A. Laires, N.P.E. Vermeulen and J. Rueff
- P I.8 Expression of cytochromes P450 in human oesophageal mucosa: Relevance to the aetiology of oesophageal cancer
M. Lechevrel, A.G. Casson, J. Marnay, M. Gignoux, D. Arsäne, F. Sichel, G. Launoy, A.M. Mandard, P. Gauduchon, C.R. Wolf and C. Wild
- P I.9 Metabolic activation of promutagens & procarcinogens with cell lines expressing human individual CYP genes
Jianmin Wu, Haitao Dong, Qiaofang Chen, Zhunan Cai, Yingnian Yu and Xingruo Chen
- P I.10 Activities and expressions of CYP1A5 and 2E1 cancer-resistant rats during the administration of 3'-methyl-4-dimethylaminoazobenzene
Mihi Yang, Ken Higashi and Toshihiro Kawamoto
- P I.11 Species difference in metabolism and metabolic activation of chemicals catalyzed by cytochrome P450 isozymes
Satoru Ohgiya, Takako Goda, Tsunahiro Kii, Tamotsu Hoshino, Tetsuya Kamataki and Kozo Ishizaki
- P I.12 Mitochondrial functionality in the metabolism of several mutagenic anticancer drugs
Carlo Rossi, Paola Poli, Annamaria Buschini and Antonella Pirati
- P I.13 The genotoxicity profile of a new Trinem antibiotic, sanfetrinem cilexetil
Rodolfo Comelli, Johann Oliver, Anita Naidoo, Luca Vandin, Franca Pugnaghi and David Gatehouse
- P I.14 Nitrofurantoin resistance pathways in *Escherichia coli*: The role of mutations in *NfsA* and *NfsB*
Iain Lambert, Jacqui Whiteway, Peter Koziarz, John Veall and Birte Hoecker

- P I.15 O6-alkylguanine-DNA alkyltransferases promote dibromoalkane lethality and mutagenicity in *Escherichia coli* K-12
Nieves Abril, Francisco L. Luque-Romero, Maria-José Prieto-Alamo and Carmen Pueyo
- P I.16 Effect of exogenous metabolic activation on the mutagenicity of 2- and 3- nitrodibenzopyranone isomers and related compounds in *Salmonella typhimurium*
Tetsushi Watanabe, Terue Kasai and Teruhisa Hirayama
- P I.17 Bioactivation of the mushroom hydrazine, agaritine
Kim Walton, Maurice M. Coombs, Fenton S. Catterall, Ron Walker and Costas Ioannides
- P I.18 The role of glutathione *S*-transferase genes in the susceptibility to genetic damage in humans and rodents
Andrew Kligerman, David DeMarini, Carolyn Doerr, Nancy Hanley, Velva Milholland and Alan Tennant
- P I.19 Relationship between genotypes and chromosomal aberration frequencies in a normal population
J. Pluth, M. Ramsey and J. Tucker
- SESSION IV: BASE EXCISION REPAIR
- P IV.1 Searching for APEX family genes in trypanosomatids
Alexandre R. Bello, Rodrigo Galhardo, Ana C. Colombo, Julio C. Paixão, Ulisses G. Lopes, Alvaro C. Leitão and Januario B. Cabral-Neto
- P IV.2 Repair of Fpg sites at the level of the gene and at the level of the nucleotide in the nuclear and the mitochondrial DNA
Valerie Meniel and Ray Waters
- P IV.3 Expression of DNA repair genes in unfertilized eggs and 2-cell embryos of mice
Xiu Lowe, Emily Panico, Francesco Marchetti and Andrew Wyrobek
- P IV.4 Biochemical characterisation of the XRCC1/DNA ligase III human protein complex
Richard Taylor and Keith Caldecott
- P IV.5 Involvement of proliferating cell nuclear antigen (PCNA) in DNA repair induced in human fibroblasts by oxidative damage and alkylating agents
Ennio Prosperi, Monica Savio, Lucia A. Stivala, Santina Quarta, Livia Bianchi and Vanio Vannini
- P IV.6 Base excision repair in mammalian cells occurs also in the absence of DNA polymerase β
P. Fortini, B. Pascucci, R.W. Sobol, S.H. Wilson and E. Dogliotti
- P IV.7 Defective ligation of base excision repair patches in XRCC1 mutant cells
Enrico Cappelli, Richard Taylor, Michela Cevasco, Angelo Abbondandolo, Keith Caldecott and Guido Frosina
- P IV.8 Evidence for a novel pyrimidine dimer DNA glycosylase in gram-negative bacteria-*Neisseria mucosa*
Simon G. Nyaga and R. Stephen Lloyd
- P IV.9 A simple assay for AP endonuclease activity in human lymphocytes
Anna Redaelli, Raffaella Magrassi, Stefano Bonassi, Angelo Abbondandolo and Guido Frosina
- P IV.10 Stable yeast but not human apurinic/apyrimidinic endonuclease transfectants of Chinese hamster cells are more resistant to genotoxic agents
Maja Tomicic, Jasna Franekic and Bernd Kaina

- P IV.11 The catalytic mechanism of the Ogg1 protein of *S. cerevisiae*
Pierre-Marie Girard, Nathalie Guibourt and Serge Boiteux
- P IV.12 APNG knockout mice: Investigations on the biological effects of DNA adducts
R.H. Elder, R.J. Weeks, M.A. Willington, K.J. Mynett, A.J. Watson, J.A. Bailey, D.P. Cooper, J.A. Rafferty, B. Deans, J.H. Hendry and G.P. Margison
- P IV.13 Repair of 8-oxoguanine in mammalian cells: The OGG1 enzymes
J. Pablo Radicella, Claudine Dhérin, Chantal Desmaze and Serge Boiteux
- P IV.14 Family genes in trypanosomatids
Alexandre R. Bello, Rodrigo Galhardo, Ana C. Colombo, Julio C. Paixao, Ulisses G. Lopes, Alvaro C. Leitao and Januario B. Cabral-Neto
- P IV.15 DNA deoxyribosephosphodiesterase activity associated with the *Drosophila* ribosomal protein S3
Margarita Sandigursky, Adly Yacoub, Walter A. Deutsch and William A. Franklin
- P IV.16 Identification and characterisation of the mitochondrial and nuclear localisation signal in human uracil DNA glycosylase (UDG)
Marit Otterlei, Terje Haug, Torill A. Nagelhus and Hans E. Krokan
- P IV.17 Nuclear and mitochondrial uracil-DNA glycosylases are generated by alternative splicing and transcription from different positions in the UNG gene
Hilde Nilsen, Kristin Solum, Terje Haug, Rune Standal and Hans E. Krokan
- P IV.18 Nitrosated peptides and polyamines as endogenous mutagens in O⁶ Alkyltransferase deficient cells
Barbara Sedgwick

SESSION V: NUCLEOTIDE EXCISION REPAIR AND TRANSCRIPTION

A. Molecular mechanisms

- P V.1 The SOS response of *E. coli* is required for global nucleotide excision repair of cyclobutane pyrimidine dimers but not 6-4 photoproducts
David J. Crowley and Philip C. Hanawalt
- P V.2 Comparative sequence analysis of human and rodent DNA repair genes
Jane Lamerdin, Paula McCready, Aaron Adamson, Stephanie Stilwagen, Nan Liu, Larry Thompson and Anthony Carrano
- P V.3 Excision repair patch lengths are similar for transcription coupled repair and global genome repair in UV-irradiated human cells
Krista Bowman, Allen Smith and Philip Hanawalt
- P V.4 Nuclear localisation of the XPD protein: A search for the targeting domain
Fabio Santagati, Carlo Rodolfo, Tiziana Nardo, Miria Stefanini and Antonia M. Pedrini
- P V.5 Behavior of RNA polymerase II at a cyclobutane dimer in DNA: Effect of sequence context
Silvia Tornaletti, Brian Donahue, Daniel Reines and Philip Hanawalt
- P V.6 XPA/TFIIH interaction: Enhancement by XPA binding to UV - damaged DNA and possible TFIIH subunits involved
Silvano Nocentini, Frédéric Coin, Masafumi Saijo, Kiyoji Tanaka and Jean Marc Egly
- P V.7 Nucleotide excision repair and initiation of RNA transcription in an optimized cell-free DNA repair and RNA transcription assay
Masahiko S. Satoh and Philip C. Hanawalt

- P V.8 Possible involvement of DNA-dependent protein kinase in the process of nucleotide excision repair
Patrick Calsou, Catherine Muller, Caroline Cayrol and Bernard Salles
- P V.9 DNA double-strand breaks inhibit nucleotide excision repair by preventing formation of the protein repair complex at sites of damage
Philippe Frit, Patrick Calsou and Bernard Salles
- P V.10 Repair of benzo[a]pyrene diol epoxide DNA adducts in the human P53 gene at nucleotide resolution
Mikhail Denissenko, Gerd Pfeifer, Annie Pao and Moon-shong Tang
- P V.11 Repair of DNA adducts induced by 2-amino-3-methylimidazo-(4,5-f) quinoline (IQ), a common food mutagen in cell free extracts of NER proficient and deficient cell lines
Christel W. Op het Veld, Robert J. Turesky and Phaik-Mooi Morgenthaler-Leong
- P V.12 Repair of benzo[a]pyrene diol epoxide-DNA adducts in the DHFR gene of a human embryonic kidney cell line
Laura J. Schild, Charles Allen Smith, Philip C. Hanawalt and William M. Baird
- P V.13 Chromosomal distribution of genes subject to transcription coupled DNA repair
Jordi Surralles, Parimal Karmakar, A.T. Natarajan and Leon H.F. Mullenders
- P V.14 Does the mismatch repair system influence the transcription coupled preferential DNA repair
Elzbieta Grzesiuk and Celina Janion
- P V.15 Mutational analysis of the NER-protein Swi10 of *Schizosaccharomyces pombe*
Carsten Rödel and Henning Schmidt
- P V.16 On UV-induced MFD phenomenon in AB1157 *E. coli* K-12 strains
Celina Janion and Anna Fabisiewicz
- P V.17a Mutation frequency decline and DNA repair in halogen light irradiated *Escherichia coli* K-12 strains
Anna Wójcik and Celina Janion
- P V. 17b UV-Induced Ubiquitination of the large subunit of RNA polymerase II leads to its proteasomal degradation: implications for transcription-coupled DNA repair
Joshua N. Ratner, Bhavani Balasubramanian, Jeffrey Corden, Stephen L. Warren, and David B. Bregman
- P V . 17c Sequestration of the class II transcription factor TBP-TFIID by damaged DNA: structure-function relationship
Frédéric Coin, Paul Vichi, Jean-Paul Renaud, Wim Vermeulen, Jan Hoeijmakers, Dino Moras and Jean-Marc Egly
- P V . 17d Differential binding of TBP to platinum adducts: relationship in cell toxicity
Philippe Frit, Frédéric Coin, Bernard Salles and Jean-Marc Egly
- B. Consequences on mutagenesis and pathologies
- P V.18a Analysis of the molecular defect in patients belonging to the group B of Cockayne's syndrome
Stefano Colella, Bianca Tanganelli, Tiziana Nardo, Donna Mallery, Alan R. Lehmann and Miria Stefanini
- P V.18b Molecular alteration in Italian patients affected by xeroderma pigmentosum group C
Franz Chavanne, Tiziana Nardo, Alan R. Lehmann and Miria Stefanini
- P V.19 UV-C induced mutagenesis in repair deficient human cells
Claire Marionnet, Xavier Quilliet, Jacques Armier, Alain Sarasin and Anne Stary

- P V.20 Isolation and analysis of spontaneous and UV-induced HPRT mutants of wild-type and thymidine kinase-deficient friend mouse erythroleukaemia (FEL) cells
Aida Abu-Baker and Valerie J. McKelvey-Martin
- P V.21 DNA repair as a risk factor for non-melanoma skin cancer. A case-control study of psoriasis patients
Marianne Dybdahl, Gerda Frentz, Håkan Wallin, Otto M. Poulsen and Bjørn A. Nexø
- P V.22 The induction of apoptosis in fibroblasts from UV sensitive repair deficient hereditary syndromes
Leela Daya-Grosjean, Sophie Queille, Christiane Drougard, Jean-Claude Ehrhart and Alain Sarasin
- P V.23 Genomic instability in an excision repair mutant of drosophila melanogaster
Arturo Lspez, Ricardo Marcos and Antonia Velazquez
- P V.24 Retroviral-mediated correction of skin cancer-prone, DNA repair-deficient phenotype of xeroderma pigmentosum: Towards a gene therapy
Mauro Mezzina, Lin Zeng, Xavier Quilliet, Monique Vuillaume, Francine Puvion-Dutilleul, Jean Krutmann and A. Sarasin
- SESSION VI: CHROMATIN AND DNA REPAIR
- P VI.1 Subpathways in base and nucleotide excision repair due to chromatin structure
Klaus Erixon, Nina Erixon, Charlotta Stensman and Kristoffer Valerie
- P VI.2 *Saccharomyces cerevisiae* yPTPA1 gene encodes a putative phosphatase activator required for cellular resistance to 4-nitroquinoline-1-oxide
Dindial Ramotar, Edith Belanger and Jean-Yves Masson
- P VI.3 Chromatin structure and transcription affect repair of cyclobutane pyrimidine dimers by photolyase
Bernhard Suter, Magdalena Livingstone-Zatchej, Andreas Meier and Fritz Thoma
- P VI.4 Studies on the possible detection of drug-induced topoisomerase I-DNA complexes by nucleotide excision repair
Kent Sjøe, Tinna Stevnsner, Grigory Dianov, Ole Westergaard and Vilhelm Bohr
- P VI.5 Processing of DNA double-strand gaps ranging from double helix to chromatin fibre dimensions
Alexander V. Glasunov, Marlis Frankenberg-Schwager and Dieter Frankenberg
- P VI.6 Analysis of mutagen induced double strand breaks in euchromatin and heterochromatin measured by pulsed field gel electrophoresis
Roberta Meschini, Loredana Bassi, Pasquale Mosesso, Linda Ottavianelli, Fabrizio Palitti and Natarajan Adayapalam Tyagarajan
- P VI.7 Diplochromosome as a tool to study site-specific occurrence of SCE formation
Roberta Meschini, Roberta Bastianelli, Francesca Ceciarelli and Fabrizio Palitti
- P VI.8 Evaluation of camptothecin-induced genetic damage in G₀ human lymphocytes as revealed by premature chromosome condensation (PCC)
Pasquale Mosesso, Enrica Fonti, Claudia L. Garcia, Loredana Bassi and Fabrizio Palitti
- P VI.9 Mechanisms of formation of chromosome aberrations in first cleavage embryos: Comparison of the effects transmitted by chemically treated male and female gametes
Francesca Pacchierotti, Bruno Bassani, Roberto Ranaldi and Cecilia Tiveron
- P VI.10 Effect of 2-butoxyethanol on poly(ADP-ribosylation) in Syrian hamster embryo cells
Jean-Christophe Hoflack, Marie-José Durand, Stéphanie Alexandre, Guy Poirier and Paule Vasseur

- P VI.11 Influence of caffeine and cytosine arabinoside on the induction of chromosomal aberrations by 5-azacytidine in CHO-K1 (wild-type) and xrs-5 (mutant) cell lines
E.T. Sakamoto-Hojo, K.C. Bicego, S.A. Takahashi-Hyodo, D.C. Tavares and F.L. Dias
- P VI.12 Genomic instability induced by variation in the DNA methylation pattern
Paola Vagnarelli, Chiara Corso, Elena Raimondi and Luigi De Carli
- P VI.13 Studies of sister-chromatid exchanges and chromosome aberrations in cultured human peripheral blood lymphocytes treated with insulin
Ninoslav Djelic', Bogosav Soldatovic' and Marko Andjelkovic'
- P VI.14 Increased nuclear incorporation of 3H-thymidine in neurons of corporis amygdaloidei in male rats neonatally treated with estradiol
Dijana Djelic, Ninoslav Djelic, Olivera Lozance and Dmitar Drekcic
- P VI.15 Study of DNA repair, chromosome aberrations and interferonogenesis in the blood of people exposed to radiation as a result of the accident at the Siberian atomic plant
Nicolai Ilyinskikh, Alexander Yurkin and Ekaterina Ilyinskikh
- P VI.16 Cytogenetic disturbances and testosterone level in blood of women with expressed hirsutism
Gayane Zalinyan, Nina Vartazaryan, Anahit Martirosyan, Armen Nersesyan and Rouben Arutyunyan
- P VI.17 UVC irradiation, DNA repair and chromatin assembly
E. Martini and G. Almouzni
- SESSION X: IONIZING RADIATION AND MECHANISMS OF GENETIC INSTABILITY
- P X.1 Cytogenetic investigation of effect of low doses of chronic environmental radiation (Chernobyl zone) on murine spermatogenesis
Anna Stefanovich, Olga Lakiza and Valentina Kaplina
- P X.2 Aneugenic and clastogenic effects of γ -rays detected by fluorescence in situ hybridization (FISH) techniques *in vitro* in human lymphocytes
Nadia Touil and Micheline Kirsch-Volders
- P X.3 The ultrastructural observations of micronuclei induced by γ -rays with electron microscopy
Jia Cao, Tianmin Cheng, Shexue Liu and Huanan Zheng
- P X.4 Preliminary studies on the relationship between cell cycle and micronucleus formation of human lymphocytes induced by γ -rays
Shexue Liu, Jia Cao, Lujun Yang, Pin Qian and Tianmin Cheng
- P X.5 De novo formation of telomeres in X-ray-sensitive Chinese hamster mutant (xrs 5) following treatment with low and high let radiations
F. Darroudi, M. v/d Berg and A.T. Natarajan
- P X.6 Mechanisms of low and high LET radiations induced chromosome aberrations: Insights from PCC and FISH
F. Darroudi, Z. Fomina, M. Meijers and A.T. Natarajan
- P X.7 Chromosome fragility in the field of oncogenes and circulation of a virus of Epstein-Barr among the local population, subjected to effect of radiating deposits
Nicolai Ilyinskikh, T.M. Isaeva, I.I. Ivanchuk and E.N. Ilyinskikh
- P X.8 Genome instability and decrease of IQ in children whose parents were exposed to radiation in prenatal period as a result of some accidents at the Siberian chemical plant
Nicolai N. Ilyinskikh, Ekaterina Ilyinskikh and Irina Ilyinskikh

- P X.9 Influence of donor on kinetics of radiation-induced chromosome aberrations in human lymphocytes as measured by FISH
Alfred McFee, Anne Sayer, Edward Frome and Gayle Littlefield
- P X.10 Influence of dose rate on low and high LET radiations induced chromosomal aberrations (unstable and stable) in human lymphocytes
H.J. Oh, F. Darroudi and A.T. Natarajan
- P X.11 Position effect of translocations involving the inactive X-chromosome. A study combining FISH and immunocytogenetics
J. Surralles and A.T. Natarajan
- P X.12 Radiation-induced chromatid aberrations in ataxia-telangiectasia patients and carriers
A. Tchirkov, J.O. Bay, D. Pernin, Y.J. Bignon, P. Rio, M. Grancho, F. Kwiatkowski, P. Malet and P. Verrelle
- P X.13 A multiple endpoint study of somatic genetic damage from the Chernobyl accident
R.G. Langlois, J.D. Tucker, D.O. Nelson, M.L. Mendelsohn, I. Vorobtsova, P.G. Pleshanov and I.M. Jones
- P X.14 Long deletion mutational spectra in *Escherichia coli* produced by gamma radiation, UV radiation, or spontaneously are highly similar
Neil Sargentini, Yoo Mee Howard and Laura Tinning
- P X.15 Analysis of mutations in the human *HPRT* gene induced by heavy-ion irradiation
Fumio Yatagai, Yasuhiro Kagawa, Nobuhisa Fukunishi, Naohito Inabe, Tuneso Shimazu, Masahiko Hirano, Kiyomi Kasai, Yoshiya Furusawa, Kouichi Tatsumi, Masami Watanabe, Takesi Kato and Fumio Hanaoka
- P X.16 Radioprotective effect of stobadine
Zuzana Kovacicova, Darina Chorvatovicova and Emil Ginter
- P X.17 Site-specific strand break damage in BrdU-containing DNA induced by UV-illumination: A comparison with ionising radiation
Zara Doddridge, Jane Warner, Paul Cullis and George Jones
- P X.18 Loss of heterozygosity at 17p is associated with elevated genetic instability in oral premalignant lesions
Miriam Rosin and Lewei Zhang
- P X.19 Residual radiation damage in a bat population residing in a monazite mine
Kathy Meehan, Jakobus Slabbert and Robbie Low
- P X.20 Apoptotic response cells by low doses ionizing radiations
I.I. Ivanchuk, N.N. Ilyinskikh and N.V. Ivanova
- P X.21 The composition and function of lysosomal membrane may be an important factor in the apoptotic response cells
I.I. Ivanchuk, N.V. Ivanova and N.N. Ilyinskikh
- P X.22 The mutagenic effect of radiation on the male mice with hyper- and hypothyroidism disorders
N.V. Ivanova, N.N. Ilyinskikh and I.I. Ivanchuk
- P X.23 Evaluation of risk the development of oxidation stress in people living on radiation polluted territory
S.V. Ryzhov, G.A. Sukhanova and A.E. Sazonov

SESSION XI: MUTATIONAL SIGNATURES OF KNOWN ENVIRONMENTAL
CARCINOGENS

A. Gene and chromosomal levels

- P XI A.1 Distinctive mutation spectra at p53 mutation hotspots in lung cancers
T. Hernandez, R. Montesano and P. Hainaut
- P XI A.2 Selected carcinogens investigated in vitro by the HPRT mutation assay
Lotte Risom, Peter Møller and Lisbeth Knudsen
- P XI A.3 Induction and selection of HPRT-mutations in human lymphoblastoid cell lines and analysis of point mutations at the cDNA-level
Ganter Krause, Fatima Garganta, Harry Vrieling and Gerhard Scherer
- P XI A.4 Mutation profile at the HPRT locus in T-cells of healthy non-smoking males
Anne-May Osterholm, Andrej Podlutzky, Sai-Mei Hou and Bo Lambert
- P XI A.5 Damage and mutational hallmark of solar radiations
Evelyne Sage, Daniel Perdiz, Zéno Kuluncsics and Thierry Douki
- P XI A.6 Analysis of genetic toxicity of 22 chemicals and ultraviolet (UV) to oeE DNA
Yang Cao, Jia Cao, Lin Zhang, Liping Xu, YanYu Liu and Lujun Yang
- P XI A.7 The application and construction of oeE DNA with LacZ repackaged in vitro for mutation measurement
Tao Wu, Jia Cao, Ping Qian, Mingja Yang and Lujun Yang
- P XI A.8 A gene trap approach to isolate DNA damage inducible genes: Cloning of a new gene involved in the cellular response to genotoxic stress
Paola Menichini, Silvia Viaggi, Elena Gallerani, Alberto Comes, Annalisa Zunino, Gilberto Fronza, Laura Ottaggio, Joackim Ellwart and Angelo Abbondandolo
- P XI A.9 Carcinogen specific mutational fingerprints at the human p53 locus with a yeast functional assay
Alberto Inga, Paola Monti, Sara Cresta, Anna Aprile, Gina Scott, Angelo Abbondandolo, Phil Burns and Gilberto Fronza
- P XI A.10 Trans-dominance analysis of p53 mutants by a yeast functional assay
Gilberto Fronza, Alberto Inga, Sara Cresta, Paola Monti, Anna Aprile, Richard Iggo and Angelo Abbondandolo
- P XI A.11 Spectrum of UV radiation-induced damage in the human p53 gene by polymerase stop assay
Gina Scott and Phil Burns
- P XI A.12 Loss of heterozygosity at FHIT region in lung cancer
Lea Pylkkänen, Sisko Anttila, Antti Karjalainen, Harri Vainio and Kirsti Husgafvel-Pursiainen
- P XI A.13 Comparative assessment of genetic toxicity of mutagens/carcinogens by micronucleus test in mouse/rats several organs
Ljudmila P. Sycheva, Vjacheslav S. Zhurkov, Olga Salamatova and A.N. Sysin
- P XI A.14 Genetic analysis of PhIP intestinal mutations in MutaTM Mouse
Anthony M. Lynch, Nigel J. Gooderham and Alan R. Boobis

- P XI A.15 Profiles of chemically induced nucleotide substitutions obtained by reversion of *lac Z* point mutations in a set of *Escherichia coli* tester strains
Fatima Garganta, Gerhard Scherer and Günter Krause
- P XI A.16 Studies on the inactivation of carcinogenic MNNG by the addition of soluble vitamins and SH compounds
Teruhisa Hirayama, Yasushi Katayama, Terue Kasai and Tetsushi Watanabe
- P XI A.17 Molecular analysis of mutations in AS52 cells induced by 5-azacytidine
Zsolt Kelecsényi, Diane L. Spencer and William J. Caspary
- P XI A.18 Mutagenic specificity of acrolein and crotonaldehyde in the supF shuttle vector system
Masanobu Kawanishi, Tomonari Matsuda, Go Sasaki, Takashi Yagi, Saburo Matsui and Hiraku Takebe
- P XI A.19 DNA and cell ultrastructure damage following cadmium administration on the skin
Caroline Fasanya, Lema Gilliard, Ray Menard, Akinyela Abdullah, Glenn Sponholtz, Christopher Ikediobi and Lekan M. Latinwo
- P XI A.20 Study of metabolism of the 7-methoxy-2-nitronaphtho 2,1-b]furan (R7000) and analysis of its genotoxicity under aerobic and anaerobic conditions
E. Touati, P. Quillardet and M. Hofnung
- P XI A.21 Structure-genotoxic activity relationship of nitrofuran derivatives
Eliette Touati, Philippe Quillardet and Maurice Hofnung
- P XI A.22 Identification of *APRT* gene mutations induced in repair-proficient and P450 expressing CHO cells by the food related mutagen/carcinogen
R. Vikse, R.W. Wu and J.S. Felton
- P XI A. 23 Mutational spectra induced by PhIP and *N*-OH-PhIP at the *gpt* locus of CHO AS52 cells
Nina Ostefeldt, Henrik Frandsen and John Christian
- B. Pathology and mitochondrial levels
- P XI B.1 DNA repair of UV photoproducts and mutagenesis in human mitochondrial DNA
B. Pascucci, A. Varsteegh, A. van der Leer-van Hoffen, A.A. van Zeeland, L.H.F. Mullenders and E. Dogliotti
- P XI B.2 Sequence analysis of mitochondrial rRNA gene of spontaneous mutants resistant to chloramphenicol in chinese hamster cells
Takaji Ikushima and Kazunari Hashiguchi
- P XI B.3 Mitochondrial DNA damage induced by AZT in rats
C. Scotti, L. Iamele, O. Cazzalini, M. Savio, L. Stivala, C. Badulli, S. Quarta, R. Melli, R. Pizzala, L. Rehak, V. Vannini and L. Bianchi

WEDNESDAY SEPTEMBER 10 1997

AMPHI A 8.30am-10.30am	Base excision repair - Session IV Chair : B. Sedgwick (UK) and F. Laval (France)
8.30am-9.00am	O6-Alkylguanine-DNA alkyltransferase : kinetic considerations and mechanistic implications (O IV.3) <i>S. A. Kyrtopoulos (Greece)</i>
9.00am-9.30am	The repair of damaged bases by 3-methyladenine DNA glycosylases <i>L. Samson (USA)</i>
9.30am-10.00am	Human uracil-DNA glycosylase : genetics and structure - function relationships (O IV.2) <i>H. E. Krokan (Norway)</i>
10.00am-10.30am	Poly (ADP-ribose) polymerase interacts with the base excision repair factor XRCC1 and is required in recovery from DNA damage in mice and in cells (O IV.4) <i>G. de Murcia (France)</i>
AMPHI B 8.30am-10.30am	Metabolism of mutagens and chemical carcinogens - Session I Chair : A. Abbondandolo (Italy) and P. Beaune (France)
8.30am-9.00am	Metabolic activation and detoxification of carcinogens in relation to DNA adduct levels and cancer susceptibility in humans (O I.2) <i>F. F. Kadlubar (USA)</i>
9.00am-9.30am	Roles of human cytochrome P450s1A1,1A2,1B1, 2E1, and 3A4/5/7 in the activation of environmental procarcinogens and promutagens (O I.4) <i>T. Shimada (Japan)</i>
9.30am-10.00am	Cytosol of human erythrocytes increases the mutagenicity of ethylene oxide (O I.3) <i>F. Oesch (Germany)</i>
10.00am-10.30am	Chemistry of DNA-carcinogen adducts : formation and biological effects (O I.1) <i>F. Guengerich (USA)</i>
10.30am-11.00am	POSTER PRESENTATIONS (Sessions VII-XII-XIII) and COFFEE BREAK
AMPHI A 11.00am-1.00pm	EEMS General Assembly / Frits Sobels Award lecture by Professor G. Oliveri
12.30pm-2.00pm	MEAL
2.00pm-7.00pm	EXCURSION

Sessions VII, XII, XIII

SESSION VII: INDUCIBLE RESPONSES TO GENOTOXIC STRESS

- P VII.1 Induction of p21^{cip1/waf1} and concomitant G1 arrest are p53-independent in UVC-irradiated human fibroblasts
Martin Loignon, Raouf Fetni and Elliot Drobetsky
- P VII.2 Expression of p53 by hepatocarcinogens and non- hepatocarcinogens and its role in tumour promotion
Hilde van Gijssel, Ulla Stenius, Leon Mullenders and John Meerman
- P VII.3 A gene trap approach to isolate DNA damage inducible genes: Cloning of a new gene involved in the cellular response to genotoxic stress
Paola Menichini, Silvia Viaggi, Elena Gallerani, Alberto Comes, Annalisa Zunino, Gilberto Fronza, Laura Ottaggio, Joackim Ellwart and Angelo Abbondandolo
- P VII.4 DNA interstrand cross-link specific apoptosis in VH4 and VC8 hamster cell mutants
Florence Larminat, Efterpi Papouli, Corinne Lafon, Annie Valette, Malgorzata Z. Zdzienicka and Martine Defais
- P VII.5 Role of the Fanconi anemia C gene in the control of apoptosis
Christel Guillouf, Agnès Ridet, Tsu-Shing Wang, Ethel Moustacchi and Filippo Rosselli
- P VII.6 Oxidative stress regulation after retroviral-mediated correction of xeroderma pigmentosum group D and C fibroblasts
Monique Vuillaume, Neso Sojic, Séphane Arbault, Christian Amatore, Xavier Quillet, Mauro Mezzina and Alain Sarasin
- P VII.7 Low doses of the food mutagen quercetin induce an adaptive response to mitomycin C, H₂O₂ and quercetin in V79 cells
N.R.G. Oliveira, A.S. Rodrigues, T. Chaveca and J. Rueff
- P VII.8 Colchicine induces synaptic arrest and metaphase nodisjunction in male mouse: A possible checkpoint at pachytene
J. Nath, M. Moses and J. Tepperberg
- P VII.9 Molecular analysis of rearrangements, deletions and multiple mutations in UV-irradiated human cells
Tamara Basii-Zaninovic', Angelo Salvatore Calcagnile and Eugenia Dogliotti
- P VII.10 Differential expression of immune components in rat stomach pyloric mucosa after short-term exposure to N-Methyl-N'-Nitro-N-Nitrosoguanidine (MNNG)
Chie Furihata, Masashi Oka and Yoshiyuki Sakaki
- P VII.11 The investigation of the cytotoxic and genotoxic effects of nickel
J.A. Mc Sweeney and C. Mothersill
- P VII.12 Mitotic-spindle poisons (nocodazole and taxol) induce apoptosis by p53-dependent and - independent pathways
A. Elhajouji, K. Geleyns, M. Cunha, W.B. Fulton, M. Tuijnder, E. Cundari and M. Kirsch-Volders
- P VII.13 Pseudorabies growth factor protects cells against DNA damage
Maria Dusinska, Lenka Chovancova, Frantisek Golais and Jan Lesko

- P VII.14 The MEC1, POL2, RAD53, DUN1 *Saccharomyces cerevisiae* regulatory genes do not affect DNA damage-inducible expression of the MAG gene encoding 3-methyladenine DNA glycosylase
Magorzata Adamczyk and Ewa Sledziewska-Gojska
- P VII.15 The *Saccharomyces cerevisiae* SGE1 gene encodes a multidrug resistance transporter located in the plasma membrane
Monika U. Keller Seitz, Ann E. Ehrenhofer-Murray and Christian Sengstag
- P VII.16 Development of yeast strains containing human minisatellites: A new genotoxicity assay for environmental mutagens?
Jacques Tessier, Laurent Pascual, Hélène Debrauwere, Dominique Aubert, Nadine Hassaine-Gillyboeuf, Alain Nicolas and Gilles Vergnaud
- P VII.17 Bacterial O6-methylguanine-DNA methyltransferase prevent induction of plasminogen activator by MNNG in Mer- human tumor cells
Jasna Sorić and Jadranka Lončarek
- P VII.18 *Uvr*⁺-dependent induction of the *aidBI* gene in *Escherichia coli* and *Salmonella typhimurium* by anaerobiosis and by acidification
Natasa Perić, Mirela Ivancić and Visnja Bacun-Družina
- P VII.19 Suppression of SOS-inducing activity of Trp-P-1 by *Meso* dihydroguaiaretic acid from *Machilus thunbergii* in *Salmonella typhimurium* TA1535/pSK1002 *umu* test
Mitsuo Miyazawa, Kayo Oshiro, Yoshiharu Okuno, Hiroyuki Kasahara, Hideo Shimamura, Sei-ichi Nakamura and Hiromu Kameoka
- P VII.20 UV-irradiation induces the expression of a mouse gene encoding a nuclear DNA-binding protein akin to *E. coli* RecA protein
P. Kannouche, A. Tissier, G. Pinon-Lataillade, D.S.F. Biard, Ph. Mauffrey, M. Mezzina, A. Sarasin and Jaime F. Angulo
- P VII.21 Effects of weak ELF magnetic fields and nalidixic acid on induction of *recA-lacZ* fusion in *E. coli* cells
Igor Belyaev, Maria Näslund and Mats Harms-Ringdahl
- P VII.22 *isfA* Mutation inhibits UV-induced GC→AT and AT→GC transitions in *recA*⁺ strains and GC→TA and AT→TA transversions in *recA730* strains
Anna Bebenek and Irena Pietrzykowska
- P VII.23 Transport pollutants and their influence to human emotional stress
Faena Ingel, Tatyana Tsutsman, Elena Kivtsova, Ludmila Khripach, Valentina Yurchenko, Nadezhda Yurtseva and Julia Revazova
- P VII.24 Okadaic acid stimulates phospholipase A2, cyclooxygenase and lipoxygenase
Céline Huynh, Eric Pinelli, Simone Puisseux-Dao and Annie Pfohl-Leszkiwicz
- SESSION XII: GERM LINE MUTATIONS IN MAMMALS AND RISK EVALUATION
- P XII.1 Genetic damage in relation to acute toxicity of chemicals
Ekkehart Wogel, Madeleine Nivard and Paul Lohman
- P XII.2 Comparison of the enzyme-activity mutation frequencies in germ cells of mice and golden hamsters after exposure to 2 + 2 Gy irradiation
Walter Pretsch and Jack Favor
- P XII.3 In vitro studies of DNA damage and repair in spermatogenic cells from rats and humans
Christine Bjørge, Ann-Karin Olsen, Richard Wiger, Gunnar Brunborg, Jørn A. Holme, Tim Scholz and Erik J. Søderlund

- P XII.4 DNA damage induced by the drinking water mutagen MX in vivo and in vitro
Gunnar Brunborg, Unni Haddeland and Jørn A. Holme
- P XII.5 Two organophosphorus compounds induce DNA single strandbreaks in primary rat testes cells in vitro but not in vivo
Susanne Brendler-Schwaab and Bernd Herbold
- P XII.6 Comparison of inherited and somatic p53 mutations in human cancers
Tina Hernandez, Pierre Hainaut, Paul Kleihues and Hiroko Ohgaki
- P XII.7 Detection of DNA damage and its repair in germ cells of male mice treated with TCDD
Masao Inoue, Takayuki Kurihara, Tadashi Ueda and Taisei Nomura
- P XII.8 Estimating the risk of dominant lethals and heritable translocations using chromosome painting of mouse zygotes and two-cell embryo
Marchetti Francesco, Jack Bishop, Xiu Lowe and Andrew J. Wyrobek
- P XII.9 Cross-linking is the major action principle responsible for the high carcinogenicity of polyfunctional alkylating agents
John P.H. Wijen, Madeleine J.M. Nivard and Ekkehart W. Vogel
- P XII.10 Trans-dominance analysis of p53 mutants by a yeast functional assay
Gilberto Fronza, Alberto Inga, Sara Cresta, Paola Monti, Anna Aprile, Richard Iggo and Angelo Abbondandolo
- P XII.11 Prospects for the use of transgenic mouse models to assess germ line risk from chemicals
George R. Douglas, Jianli Jiao, John D. Gingerich and Lynda M. Soper
- P XII.13 Aneuploidy frequency in sperm nuclei of five healthy donors assessed by three-colour FISH
Roberto Scarpato, Alessio Naccarati, Massimo Mariani and Lucia Migliore
- P XII.14 Evaluation of clastogenicity of chemical agents using in vitro assay with human spermatozoa
Hiroyuki Tateno, Sumio Iijima, Akio Asaka and Yujiroh Kamiguchi
- P XII.15 Evaluation of chromium picolinate in the Ames and the rat in vivo chromosomal aberration assays
Henry J. Esber, Victor Moreno and Kenneth S. Loveday
- P XII.16 Bio-anticlastogenic effects of mustard oil and garlic in the first-generation offsprings of sodium arsenite treated mice
T. Das, A. Roychoudhury and A. Sharma
- P XII.17 Sister-cromatid exchanges induced by disulfiram in somatic and germ cells of mice treated in vivo
Eduardo Madrigal-Bujaidar, Norma Velazquez-Guadarrama, Pedro Morales-Ramirez, Ma. Teresa Mendiola and Alfredo Lagunas-Martinez
- P XII.18 Chromatic aberrations on spontaneous abortions
L.V. Thopikashvili, L.V. Tsallagova, I.A. Habieva, A.N. Chehoeva and J.N.Halina
- P XII.19 The complex estimation of ecological risk factors in the forming of the reproductive pathology in Vladikavkaz
L.V. Tsallagova, L.V. Tchopicashvily, L.A. Bobylerva, F.G. Tezeeva, E.G. Kenkadze, K.K. Tsallagov and Nosu

SESSION XIII: IDENTIFICATION AND EVALUATION OF ENVIRONMENTAL
MUTAGENS, ECOGENOTOXICOLOGY

- P XIII.1 Using wild living rodents in monitoring studies
Lilianne Abramson-Zetterberg, Jan Grawé and Gösta Zetterberg
- P XIII.2 Hypothermia induces micronuclei in mice
Shougo Asanami and Kazuyuki Shimono
- P XIII.3 Micronucleus test of solvent yellow 14 in both peripheral blood and bone marrow of rats and mice
Koji Kondo and Hirofumi Miyajima
- P XIII.4 Induction and persistence of micronuclei in hyperthyroidism patients treated with radioiodine
Sara Gutierrez, Elisabet Carbonell, Pere Galofri, Amadeu Creus and Ricardo Marcos
- P XIII.5 *In situ* monitoring of micronuclei in erythrocytes of *Therapon jarbua* before and after operation of Daya Bay nuclear power station
Yana Cai, Liming Qian, Haiyan He, Genchang Sun and Jingyuan Zhao
- P XIII.6 Enhancement of micronuclei frequency in the Tradescantia/micronuclei test using a long recovery time
Egizia Falistocco, Silvano Monarca, Alberto Zanardini and Ilaria Zerbini
- P XIII.7 Micronucleus assay in *Allium cepa* irradiated roots
Jasna Paradiz, Blanka Druskovic, Janez Skrk and Milan Lovka
- P XIII.8 Formation and persistence of DNA adducts and micronuclei in rainbow trout after treatment with benzo[a]pyrene
Paola Venier, Sandra Minissi, Riccardo Voltan, Eleonora Ciccotti and Alessandro Pinna
- P XIII.9 Persistence of DNA adducts and micronuclei in mediterranean mussels exposed to benzo[a]pyrene
Paola Venier, Claudia Zampieron and Sabrina Canova
- P XIII.10 Development of a genotoxicity assay in aquatic organisms using arbitrarily-primed polymerase chain reaction
Franck Atienzar, Britt Cordi, Andy Evenden, Awadhesh Jha and Michael Depledge
- P XIII.11 *In vitro* validation of single cell gel electrophoresis assay (SCGE) by the use of standard mutagens and non-mutagens in peripheral human leukocytes
Giada Frenzilli, Elena Bosco and Roberto Barale
- P XIII.12 Occupational and environmental mutagenesis: Validation and application of the HPRT in vivo mutation assay for risk assessment in humans (EUCAHM)
Bo Lambert, Yvonne Barnett, Barbara Livingstone, Margaret Davies, David Lovell, Edith Huttner, Jurgen Kiefer, Gunter Speit, Lucia Celotti, Patrizia Hrelia, Ad Tate and Hannu Norppa
- P XIII.13 Tobacco cotyledons-Quick and sensitive test for the study of mutagenicity
Ivan Baburek, Blanka Stiburkova and Karel J. Angelis
- P XIII.14 Examination of genotoxic and non-genotoxic compounds by the simplified and highly sensitive assay method using Raji cells for the detection of tumor promoting activity
Kiyomi Ohmori, Michiko Kishi, Tadayoshi Nakaoka, Kaoru Miyazaki and Makoto Umeda
- P XIII.15 Determination of sample concentrations for the allium anaphase chromosome aberration assay
Jette Rank
- P XIII.16 Honeybee populations as ecotoxicological indicators
Zifa Saifutdinova and Guzel Shangaraeva
- P XIII.17 Cytogenetic monitoring of children living in chemically polluted areas
Stoyan Lalchev and Veneta Georgieva

- P XIII.18 Chromosome damages in adolescents of Kemerovskaya oblast' as an indicator of genotoxic environmental factors' effect
Vladimir Druzhinin, Aleksei Lifanov, Varvara Stas and Tatiana Tolochko
- P XIII.19 Cytogenetic damage in peripheral lymphocytes of human beings living in the radioactive contaminated territories of Ukrainian Polissia
Alexander Kravchuk, Elena Zubko, Irina Boltina, Alexander Ohrimovich and Dmitry Pigida
- P XIII.20 A family study of baseline chromosomal aberration and sister chromatid exchange frequencies
Caterina Paola Milillo, Isabella Sbrana, Michela Ballardini, Linda Chelotti, Tania Davini, Alessandra Di Sibio, Giada Frenzilli, Federica Gemignani, Adriana Lori, Walter Lubrano, Antonella Luccini, Antonella Marrazzini, Carmela Morizzo, Lucia Petrozzi, Barbara Pinto, Isabella Ponzanelli, Vittoria Scarcelli, Antonella Strano, Alessandra Tessa, Cristina Wassalle and Roberto Barale
- P XIII.21 Influence of GSTT1 and GSTM1 genotype on spontaneous chromosomal aberration and sister chromatid exchange frequencies
Anna Maria Rossi, Caterina Paola Milillo, Maria Bulleri, Chiara Guarnieri, Stefano Landi and Roberto Barale
- P XIII.22 GSTM1 and CYP1A1 gene polymorphisms in French patients with cystic fibrosis
Helena Baranova, André Labbé, E. Albuissou, Vladislav S. Baranov and Paul Malet
- P XIII.23 Effects of cigarette smoking on the personal exposure to mutagens in air
Kazutoshi Sugita, Osamu Endo, Michiko Koyano, Yukihiko Takagi, Ken-ichi Kohzaki and Sumio Goto
- P XIII.24 Monitoring anaesthesiologists exposed to anesthetic gases
Ana Regina Chinelato
- P XIII.25 Comparative toxico-genetic monitoring study of Moscow and Jaroslavl oil refinery workers
Tatyana Tsutsman, Faena Ingel, Ludmila Khripach, Valentina Yurchenko, Elena Kivtsova, Nadezhda Yurtseva and Julia Revazova
- P XIII.26 Yield of delayed lethal mutations in surviving progeny in relation to initial toxicity of a range of environmental mutagens
Carmel Mothersill, Maria Lyons, James McSweeney, Joseph O'Reilly and Colin Seymour
- P XIII.27 Spontaneous level of chromosome aberrations in the Czech Republic
Pavel Rössner, Hana Bavorova, Dana Ocadlikova, Milena Cerna, Radim J. Sram and Eva Svandova
- P XIII.28 Cells of patients with Familial Mediterranean Fever as new model for testing of genotoxins
Tamara Sarkisian, Rouben Arutyunian and Asmik Mejlumian
- P XIII.29 Increased chromosome aberrations in genetically predisposed cigarette smokers
Nivea Conforti-Froes, Randa El-Zein, Sherif Abdel-Rahman and William Au
- P XIII.30 The genotoxicity monitoring of air, water and soil - A preliminary report of the International Programme on Plant Bioassays (IPPB)
Te-Hsiu Ma, William F. Grant and Frederick J. de Serres
- P XIII.31 DNA adducts induced by fractionated extract of urban air particles in primary rat hepatocytes
Jan Topinka, Thomas Wolff, Leslie Schwarz, Jan Lenicek and Radim J. Sram
- P XIII.32 Ozone application in water treatment and induction of gene mutation in biological objects
Ihor Bariliak and Alexei Dougan

- P XIII.33 Genotoxic assessment of Rio Tercero river waters (Cordoba, Argentina) under the influence of an industrialized area
Lina Magliola, Jeronimo Andrada, Xenia Magliola, Oscar Pessat and Marta Fenoglio
- P XIII.34 Mutagenicity of airborne particulate samples in different areas of the Rio Grande do Sul State, Brazil
Rubem Horn, Ana Mittelstae, Irascema Azevedo and Vera Vargas
- P XIII.35 Evaluation of water mutagenicity and toxicity after disinfection with peracetic acid
Silvano Monarca, Alberto Zanardini, Donatella Feretti, Licia Guzzella, Ilaria Zerbini and Giuseppe Nardi
- P XIII.36 Genotoxicity in mineral water stored in polyethylene terephthalate bottles evaluated using plant bioassays
Silvano Monarca, Alberto Zanardini, Domenica Biscardi, Donatella Feretti, Raffaele De Fusco, Ilaria Zerbini and Giuseppe Nardi
- P XIII.37 Monitoring nitrosamines and other air genotoxicants in rubber industries
Silvano Monarca, Alberto Zanardini, Berthold Spiegelhalder, Donatella Feretti, Massimo Moretti, Milena Villarini, Michele Libraro, Piera Antonelli and Giuseppina Scassellati-Sforzolini
- P XIII.38 Evaluation of mutagens in contaminated soils using bacterial and plant assays
Silvano Monarca, Alberto Zanardini, Donatella Feretti, Sergio Resola, Roberto Marchetti, Silvia Manfredi and Giuseppe Nardi
- P XIII.39 Mutagenicity monitoring and chemical analysis of river waters and their fractions
Milena Cerna, Anna Pastorkova, Jiri Smid, Josef Zavadil and Pavel Rössner
- P XIII.40 Evaluation of mutagenic activity in Volturno River Water, Southern Italy
Domenica Biscardi, Mario Carfagna, Marina Isidori, Alfredo Parrella and Giovanni Pontecorvo
- P XIII.41 Genotoxicity of wastewater from industry and municipal treatment
Mette Hviid Nielsen
- P XIII.42 Mutagenic activity of chlorinated bis(propyl)ethers: Major pollutants in the Elbe River
Götz Neurath, Brigitte Gutendorf, Johannes Westendorf, Stephan Franke, Wittko Francke and Hans Marquardt
- P XIII.43 Isolation of mutagens in water from the Nishitakase river in Kyoto
Haruo Nukaya, Kuniro Tsuji, Takeshi Ohe, Atsuko Oguri, Takashi Sugimura and Keiji Wakabayashi
- P XIII.44 Mutagenicity of organic pollutants in the Yodo River water with an *O*-acetyltransferase-overexpressing strain
Takeshi Ohe
- P XIII.45 Genotoxicity related to nitroarenes in rain water from urban road
Yoshiro Ono, Yuji Hashizume, Yoshinori Kanjo and Yoshimitsu Oda
- P XIII.46 Evaluation of genotoxicity at a tannery waste site using EROD, DNA adduct and micronuclei biomarkers on larvae of the amphibian *Xenopus laevis* complements physico-chemical analyses
Corinne Bekaert, Josette Marty, Annie Pfohl-Leszkowicz and Vincent Ferrier
- P XIII.47 Genotoxicity of coke oven and urban air particulate matter in *in vitro* assays coupled with ³²P-postlabelling and HPLC analysis of DNA adducts
Blanka Binkova, Jan Lenicek, Ivan Benes, Ondrej Gajdos and Radim J. Sram
- P XIII.48 Chemical and genotoxicological profiling of coke oven emissions in an urban environment
Brian McCarry, Laurie Allan, Chung Chiu, Lena Andrew, Krista Barford and Douglas Bryant

- P XIII.49 Ecogenotoxicity of contaminated soil samples assessed by the Allium/Vicia root tip test
Sylvie Cotelle, Jean-François Masfaraud and Jean-François Féraud
- P XIII.50 Genotoxicity of soil irrigated with wastewater using three bioassays
Guillermo Cabrera, Ma. Guadalupe Rodriguez and Antonio Perez
- P XIII.51 Genotoxicity of compost prepared from organic and domestic garbage using three bioassays
Guillermo Cabrera, Ma. Guadalupe Rodriguez, Ma. Guadalupe Guerrero and Beatriz Maruri
- P XIII.52 Genotoxicity of leachates from a landfill using three bioassays
Guillermo Cabrera, Ma. Guadalupe Rodriguez, Ma. Guadalupe Guerrero and Antonio Perez
- P XIII.53 Yield of delayed lethal mutations in surviving progeny in relation to initial toxicity of a range of environmental mutagens
Carmel Mothersill, Maria Lyons, James McSweeney, Joseph O'Reilly and Colin Seymour
- P XIII.54 Genetic toxicology studies comparing cigarettes which burn or primarily heat tobacco
David Doolittle, Buddy Brown, Jerry Avalos, David Bombick, Carr Smith, Susan McKarns and Betsy Reed-Bombick
- P XIII.55 Multivitamin prophylaxis versus exposure to carcinogenic polycyclic aromatic hydrocarbons (PAHs)
Lubomir Dobias, Jaromira Kusova, Jaroslava Havrankova, Jaroslav Sipula, Alena Kloudova and Jana Hornova
- P XIII.56 Atmospheric air contamination and demographic process in the cities of Ukraine
Alexei Dougan, Olga Timchenko and Elena Touros
- P XIII.57 Disinfectants application and induced mutagenesis in salmonella typhimurium
Alexei Dougan
- P XIII.58 Disinfectants and induction of gene mutation
Alexei Dougan and Ihor Bariliak
- P XIII.59 Mutagenicity of metals of environmental interest: Application of the human lymphocyte micronucleus assay using the fish technique with a pancentromeric probe
Lucia Migliore, Leonardo Cocchi, Claudia Nesti and Enrico Sabbioni
- P XIII.60 Identification of cytogenetic alterations induced by heavy metals and organic solvents
P. Papazafiri, F.E. Zarani, S. Lalchev, V. Georgieva, A. Vaglenov and A. Kappas
- P XIII.61 Organoarsenicals influence chromosome changes in cultured mammalian cells
M.J. Autry, B. Hamilton and T.S. Kochhar
- P XIII.62 Induction of DNA-repair in cultured porcine and human urothelial cells by the mycotoxin ochratoxin A (OTA)
Angelika Fliieger, Angelika Doerrenhaus, Klaus Golka, Harald Schulze and Wolfram Foellmann
- P XIII.63 Mutagenicity of dog urine extracts by the ultra-low micro suspension assay
Yukihiko Takagi, Osamu Endo, Sumio Goto, Yukio Kato, Choji Kaneuchi and Ken-ichi Kohzaki
- P XIII.64 Assessment of genotoxic and estrogenic effect of MCPA
Elena Szabova and Dagmar Zeljenkova
- P XIII.65 1,4-Dioxane: Lack of in vitro genotoxic activity
Takeshi Morita and Makoto Hayashi

- P XIII.66 The electron-microscopic analysis of synaptonemal complexes of mice meiocytes exposed in Chernobyl Atomic Station region
L.D. Safronova and I.N. Ryabov
- P XIII.67 Numerical aberration induction by benzo[a]pyrene and 7,12-dimethylbenz[a]anthracene in Chinese hamster cell lines V79-MZ and V79
Atsuko Matsuoka, Masayasu Ozaki, Kenji Takeshita, Hiroko Sakamoto, Makoto Hayashi and Toshio Sofuni
- P XIII.68 The number and kinds of mutants induced in mammalian cells by arsenic, cadmium and lead
Charles Waldren, Megan McGraw, Diane Vannais, F. Carvalho and Daniel Gustafson
- P XIII.69 Epigenetic events induced by environmental carcinogens in Syrian Hamster Embryo (SHE) cells may be essential to the transformation process
Stéphane Dhalluin, Zoé Elias, Véronique Cruciani, Odile Poirot, Claudine Rast, Laurent Gate, Haim Tapiero, Paule Vasseur and Giao Nguyen-Ba
- P XIII.70 Effect of aromatic amines bioactivation on genetic changes in yeast
Viera Vlckova, Mirka Slaninova, Monika Zavodna, Eva Miadokova, Svetlana Podstavkova and Daniel Vlcek
- P XIII.71 A study of asbestos-induced aneuploidy in *Drosophila melanogaster*
Wang Hongbing, Huang Jianquan, Li Huaiyi, Wan Xinming, Zhang Youching and Jiang Zuoshu
- P XIII.72 Effect of di(2-ethylhexyl)phthalate on DNA damaging activity of environmental mutagens in *Drosophila melanogaster*
Kazuaki Kawai
- P XIII.73 Mutagenicity of nitric oxide in DNA-repair deficient bacteria
Rosalie K. Elespuru
- P XIII.74 Mutagenicity and clastogenicity of nitrobenzanthrones
Takeji Enya, Hitomi Suzuki, Yoshiharu Hisamatsu, Tetsushi Watanabe and Teruhisa Hirayama
- P XIII.75 Evaluation of the mutagenic potential of monoterpenoid compounds
Maria Regina Gomes Carneiro, Francisco José Roma Paumgarten and Israel Felzenswalb
- P XIII.76 Use of biomarkers in risk assessment for exposure to environmental heavy metals
R. Vachkova-Petrova, A. Kappas, St. Filipov, E. Tyagunenko and N. Ivanova
- P XIII.77 Comparison of diesel fuel emissions by the in vitro DNA adduct formation, mutagenic activity and PAH content
Terhi Kuljukka, Leena Rantanen, Seppo Mikkonen, Kimmo Peltonen and Kirsti Savela
- P XIII.78 Biological monitoring of workers exposed to emissions from petroleum plants
Antonina Cebulska-Wasilewska, Diana Anderson, Ewa Niæankowska, Anna Wierzewska, Ewa Kasper, Jane Anne Hughes and Boæena Graca
- P XIII.79 Genetic effects of high and low exposure to heavy metals
Ase Krþokje, Chris Bingham and Cecilie østby
- P XIII.80 Metabolic activation of aromatic amines by algae
Eva Miadokova, Svetlana Podstavkova, Viera Vlckova, Andrea Slivkova, Mirka Slaninova and Daniel Vlcek
- P XIII.81 Differential tissue distribution of DNA adducts in rats exposed to sidestream cigarette smoke
C. Gary Gairola, Jamal M. Arif and Ramesh C. Gupta

- P XIII.82 Mutagenicity of dog urine extracts by the ultra-low micro suspension assay
Yukihiko Takagi, Osamu Endo, Sumio Goto, Yukio Kato, Choji Kaneuchi and Ken-ichi Kohzaki
- P XIII.83 Toxicity of three organic pollutants, nonoxynol, prochloraz and 2,4-dichloroaniline to primary cultures of rainbow trout and a fish cell line
Kevin Dowling and Carmel Mothersill
- P XIII.84 Azobenzene induced micronuclei in rodent reticulocytes
Norihide Asano
- P XIII.85 Effects of river waters suspended solids on the detection of mutagenicity with Ames test
Laura Christina Lopez and Juan Moretton
- P XIII.86 Genotoxicity studies of industrial waste waters with high concentrations of non-mutagenic heavy metals
Laura Christina Lopez, Marcelo Daniel Bassi and Juan Moretton
- P XIII.87 Effect of GST and NAT genotypes on the lung cancer risk
Sirkku T. Saarikoskil, Maria Reinikainenl, Sisko Anttila, Antti Karjalainen, Kirsti Husgafvel-Pursiainen, Harri Vainio and Ari Hirvonen
- P XIII.88 Genetic susceptibility to lung cancer in Japanese, Caucasians and Hawaiians
Löic Le Marchand, Lakshmi Sivaraman, Lisa Pierce, Ann Siefried and Annette Lum
- P XIII.89 Genotoxic damage in Danish busdrivers
Lisbeth E. Knudsen, Hannu Norppa, Per Sabro Nielsen, Henrik Okkels and Herman Autrup
- P XIII.90 GSTM1 AND CYP1A1 gene polymorphisms in French patients with cystic fibrosis
Helena Barnova, André Labbé, Eliane Albuissou, Vladislav S. Baranov and Paul Malet
- P XIII.91 Biomonitoring studies on an human population exposed to pesticides
Helena Borba, Margarida Monteiro, Maria José Proença and José Rueff
- P XIII.92 In vitro induction of micronuclei by benzo (a) pyrene on fish cell lines and detection by flow cytometry
P. Sanchez, C. Becerril, M. Carballo, M.J. Muñoz and A. Castaño
- P XIII.93 Analysis of BCL-2 translocation in human TK6 lymphoblastoid cells following exposure to 1,2,3,4-diepoxybutane
Hongwei Chen, Kathy G. Meyer, Leslie Recio and Douglas A. Bell
- P XIII.94 The use of genotoxic endpoints to evaluate occupational exposure to antineoplastic drugs
Thomas H. Connor and Ellen S. Baker
- P XIII.95 Strong genotoxic activity of fraction PM 10 and especially of fraction PM 2.5 of airborne particulates on human tracheo-bronchial epithelial cells (line BEAS-2B) *in vitro*
Claudia Hornberg, Lolita Maciuleviciute, N.H. Seemayer and Eva Kainka
- P XIII.96 Genotoxicity evaluation of the 9C trimethylbenzenes (TMB)
Ewa Janik-Spiechowicz, Kalina Wyszynska and Elzbieta Dziubaltowska
- P XIII.97 Analysis of micronuclei in erythrocytes of rats treated with TCDD in a liver tumor promotion study
Jorma Maki-Paakkanen, Raimo Pohjanvirta, Jouni Tuomisto, Mikko Unkila, Matti Viluksela and Jouko Tuomisto
- P XIII.98 DNA adduct detection in the liver of the dragonnet *Callionymus lyra* and the flounder *Platichthys flesus*: A potential bioindicator of pollutant
K. Boillot, T. Burgeot, J.P. Arnould and A. Pfohl-Leszkowicz

- P XIII.99 Comparative evaluation of the estrogenic and toxicological potential of environmental compounds with estrogenic activity
Manfred Schlager, Franz Krassnigg and Peter Maria Eckl
- P XIII.100 DNA damage and repair capacity in blood cells of people exposed to lead in battery factories
Helena Groot de Restrepo, Diana Sicard, Maria Mercedes Torres and Camilo Uribe
- P XIII.101 Late cytogenetic effects of Chernobyl accident in humans
I. Vorobitsova
- P XIII.102 Evaluation of mutagenic potential of air pollution existing during wood conversion operations
Kalina Wyszynnska, Ewa Janik-Spiechowicz and Wieslawa Chwialkowska-Liro
- P XIII.103 The influence of anthrax vaccine on mutagenesis
Armen Nersesyan and Levon Mkrtchian
- P XIII.104 Observation on renal hyperplasia caused by unilateral nephrectomy its significance in search for animal tests for chemical carcinogens
Wang Da
- P XIII.105 Chromosomal damage in experimental schistosomiasis treated with nicotine and praziquantel
Fouad Badr, Howida Abdel-Halim, Samir Imam and Ismail Shalaby
- P XIII.106 Genotoxic study of diesel and atmospheric particles: Particular interest of YG *salmonella* strains for their sensibility to nitroaromatic compounds
Claude Beaubestre, Isabelle Vanrullen, Mickaëlle Bensoussan, Philippe Pernet, Marie-Caroline Guyot and Fabien Squinazi
- P XIII.107 Estimating the mutagenity of soils after their biological decontamination
Katerina Malachova
- P XIII.108 Automated metaphase finding: Assessment of the METAFER2 system in routine chromosomal aberration assays
Andrée-Anne Chételat
- P XIII.109 *In vitro* evaluation of genotoxic activity of adriamycin and bleomycin in mouse embryo cells which differ in catalase and superoxide dismutase activity
Bozena Chlopkiewicz
- P XIII.110 Mutagenic activity of chlorinated tap water
Mitsuko Kato, Haruko Saito, Shin'ichi Isoda and Noboru Nagaoka
- P XIII.111 Mutagenic halogenated furanones occurring in tap water
Isabel Ramos, Maia Lloveras, Maria-Pilar Marco and Angel Messeguer
- P XIII.112 Crest-staining of micronuclei in free-living rodents
Caterina Tanzarella, Francesca Degrassi, Jan Zima, Luisa Anna Ieradi and Mauro Cristaldi
- P XIII.113 Role of biological markers in aquatic organisms: in situ biomonitoring studies along the Ligurian coast
Claudia Bolognesi, Eleonora Landini and Paola Roggieri
- P XIII.114 *Drosophila* as a biomonitor of water pollution
P. Ramos-Morales, G. Ordaz, Y. Dorantes, M. Martinez, H. Rivas, B. Hernandez and A. Rodrigues

- P XIII.115 Broad applicability of the SOS/*umu* -test in environmental genotoxicity testing
Georg Reifferscheid, Claudia Schmid and Rudolf Karl Zahn
- P XIII.116 Histopathological study and mutation analysis of *ras* and *p53* genes in feral flounder liver tumors; relation with environmental pollutants
J. Cachot, Y. Chereil, V. Kadakas, S. Feist, D. Vethaak, F. Galgani and F. Vincent
- P XIII.117 Alkaline elution-A sensitive genotoxicity-Test for unconcentrated surface waters
Petra Waldmann, Imke Metz, Georg Reifferscheid, Steffen Lenz, Marita Mauer and Rudolf-Karl Zahn
- P XIII. 118 Comparison of cytotoxic effects of mercurials on *allium cepa* *in vivo*
Manomita Patra and Archana Sharma
- P XIII. 119 Observation on renal hyperplasia caused by unilateral nephrectomy its significance in search for animal tests for chemical carcinogens
Wang Da
- P XIII. 120 Azobenzene induced micronuclei in rodent reticulocytes
Norihide Asano
- P XIII. 121 The effect of lead salt on higher plants *in vivo*
Niladri Bhowmik

8.30am-10.00am

AMPHI A

Plenary Session

Chair : J. Little (USA) and A. Sarasin (France)

8.30am-9.15am

Tumor suppressor genes : at the crossroads of molecular carcinogenesis and molecular epidemiology (PL 4)
C. C. Harris

9.15am-10.00am

Applications of gene / viral therapy in combination with radiation therapy (PL 11)
R. Weichselbaum (USA)

10.00am-10.30am

COFFEE BREAK

AMPHI A

Inducible responses to genotoxic stress - Session VII

10.30am-12.00pm

Chair : B. Epe (Germany) and M. Defais (France)

10.30am-11.00am

UVA activation of genes - some clues as to mechanism (O VII.3)
R. M. Tyrrell (UK)

11.00am-11.30am

Role of oxidative stress conditions in the activation of the transcription factor NF-kB (O VII.2)
J. Piette (Belgium)

11.30am-12.00pm

Multiple "sensors" for toxic agents in the genetic stress response (O VII.1)
P. Herrlich (Germany)

AMPHI B

Germ line mutations in mammals and risk evaluation - Session XII

10.30am-12.30pm

Chair : P. Lohman (The Netherlands) and G. Lorenzon (France)

10.30am-11.00am

Dominant mutations : from mouse to man (O XII.1)
J. Favor (Germany)

11.30am-12.00pm

Prospects for the use of transgenic mouse models to assess germ line risk from chemicals (O XII.2)
G. R. Douglas (Canada)

11.00am-11.30am

The roles of traditional and newly-developed methods in identifying mammalian germ cell mutagens (O XII.3)
M. D. Shelby (USA)

12.00pm-12.30pm

Genetic damage in relation to acute toxicity of chemicals (O XII.4)
E. Vogel (The Netherlands)

AMPHI C

Identification and evaluation of environmental mutagens, ecogenotoxicology
Session XIII

10.30am-1.00pm

Chair : H. Norppa (Finland) and S. Puisieux-Dao (France)

10.30am-11.00am

Mutation in human cells and enhanced gene expression in rodent cells induced by electro-magnetic fields (O XIII.5)
H. Takebe (Japan)

11.00am-11.30am

Cytogenetic methods to evaluate the mutagenicity of chemical contaminants in the marine environment (O XIII.1)
A. Jha (UK)

11.30am-12.00pm

The application of genetic toxicology in the analysis of the consequences of a major marine pollution incident (O XIII.2)
J. M. Parry (UK)

12.00pm-12.30pm

Identification of DNA repair genes in plants (O XIII.4)
C. F. Menck (Brazil)

12.30pm-1.00pm

Cytogenetic investigation on children exposed to Tchernobyl radioactive fallout : 10 years later (O XIII.3)
R. Barale (Italy)

12.30pm-2.00pm

MEAL

AMPHI A

DNA recombination, transposition, amplification - Session VIII

2.00pm-4.00pm

Chair : A. Carrano (USA) and F. Fabre (France)

2.00pm-2.30pm

Protein-directed molecular interactions in recombination and repair (O VIII.1)
S. C. West (UK)

2.30pm-3.00pm

Meiotic recombination and human minisatellite rearrangements in the yeast *Saccharomyces cerevisiae* (O VIII.2)
A. Nicolas (France)

3.00pm-3.30pm

Loss of genomic integrity in preneoplastic cells (O VIII.3)
T. D. Tlsty (USA)

3.30pm-4.00pm

Biological significance of gene amplification in cancer (O VIII.4)
M. Terada (Japan)

AMPHI B	DNA adducts and human cancers - Session XVI A
2.00pm-4.00pm	Chair : J. Cole (UK) and G. Dirheimer (France)
	A) Biomonitoring
2.00pm-2.30pm	Carcinogen adducts in humans resulting from endogenous and exogenous exposures (O XVI A.1)
	<i>P. B. Farmer (UK)</i>
2.30pm-3.00pm	Occupational biomonitoring with cytological or molecular biomarkers : Competition or collaboration ? (O XVI A.2)
	<i>C. Laurent (Belgium)</i>
3.00pm-3.30pm	1,3-Butadiene and DNA adducts - A rocky road towards human biomonitoring (O XVI A.3)
	<i>K. Peltonen (Finland)</i>
3.30pm-4.00pm	Measurement of oxidative base damage within cellular DNA and biological fluids (O XVI A.4)
	<i>J. Cadet (France)</i>
AMPHI C	Biological consequences of sun exposure - Session XVIII A
2.00pm-4.00pm	Chair : A. Yasui (Japan) and M. Mezzina (France)
	A) Photomutagenicity and photocarcinogenesis : experimental aspects
2.00pm-2.30pm	Photocarcinogenesis : from mouse to man (O XVIII A.1)
	<i>F. R. de Gruijl (The Netherlands)</i>
2.30pm-3.00pm	A role for UVB radiation-induced immunosuppression in human skin carcinogenesis (O XVIII A.2)
	<i>M. Grewe (Germany)</i>
3.00pm-3.30pm	Human skin reconstructed <i>in vitro</i> : A three-dimensional model to investigate the effects of UV exposure on epidermal keratinocytes and dermal fibroblasts (O XVIII A.4)
	<i>F. Bernerd (France)</i>
3.30pm-4.00pm	Epidemiology and prevention of skin cancer in Queensland (O XVIII A.3)
	<i>A. Green (Australia)</i>
4.00pm-5.00pm	POSTER PRESENTATIONS (Sessions VII-VIII-IX-XII-XIII-XVI-XVIII) and COFFEE BREAK
AMPHI A	Radiation sensitivity, recombination and repair - Session IX
5.00pm-6.30pm	Chair : M. Stefanini (Italy) and P. Calsou (France)
5.00pm-5.30pm	Mutational analysis of the components of DNA-PK (O IX.1)
	<i>P. Jeggo (UK)</i>
5.30pm-6.00pm	Human SCIDs with increased sensitivity to ionizing radiations and impaired V(D)J rearrangements define new genes involved in DNA recombination/repair (O IX.3)
	<i>J. P. de Villartay (France)</i>
6.00pm-6.30pm	Molecular cloning and functional characterization of the human XRCC2 DNA repair gene (O IX.2)
	<i>J. Thacker (UK)</i>
AMPHI B	DNA adducts and human cancers - Session XVI B
5.00pm-6.30pm	Chair : Husgafvel-Pursiainen (Finland) and G. Duménil (France)
	B) Molecular epidemiology
5.00pm-5.30pm	Genetically based metabolic polymorphisms in epidemiology : methodological issues (O XVI B.3)
	<i>P. Vineis (Italy)</i>
5.30pm-6.00pm	DNA adduct studies in human populations (O XVI B.1)
	<i>K. Hemminki (Sweden)</i>
6.00pm-6.30pm	<i>Helicobacter pylori</i> and gastric cancer - A case study in molecular epidemiology (O XVI B.2)
	<i>D. Forman (UK)</i>
AMPHI C	Biological consequences of sun exposure - Session XVIII B
5.00pm-7.00pm	Chair : R. Crebelli (Italy) and J. J. Legrand (France)
	B) Photomutagenicity and photocarcinogenesis : regulatory aspects
5.00pm-5.30pm	Light absorbing chemicals : Photoprotection versus photoactivation (O XVIII B.2)
	<i>E. Gocke (Switzerland)</i>
5.30pm-6.00pm	Photomutagenicity and photocarcinogenicity of pharmaceuticals - Two sides of a coin ? (O XVIII B.1)
	<i>L. Müller (Germany)</i>
6.00pm-6.30pm	Photo safety testing of drug products (O XVIII B.4)
	<i>A. Jacobs (USA)</i>
6.30pm-7.00pm	Regulatory aspects of photomutagenicity in the European Union
	<i>N. Loprieno (Italy)</i>
8.30pm	CONGRESS DINNER

POSTER PRESENTATIONS

Sessions as on Wednesday and VIII, IX, XVI, XVIII

- SESSION VIII: DNA RECOMBINATION, TRANSPOSITION, AMPLIFICATION
- P VIII.1 Effects of cross-link frequency and chromosomal context on double-strand breaks induced during the repair of 8-methoxypsoralen-DNA photolesions in *Saccharomyces cerevisiae*
Michèle Dardalhon, Bernard de Massy, Alain Nicolas and Dietrich Averbeck
- P VIII.2 RecQ and recJ are required for processing disrupted replication forks in *E. coli*
Justin Courcelle and Philip Hanawalt
- P VIII.3 Protein-DNA interactions in homologous recombination: The effect of charge at position 207 of the L2 loop of RecA protein
Neil P. Johnson, Christophe Cazaux, Jean Sébastien Blanchet and Martine Defais
- P VIII.4 Rad9 checkpoint of *Saccharomyces cerevisiae* suppresses the DNA damage-associated stimulation of directed translocations, depending on the DNA damage agent
Michael Fasullo, Thomas Bennett, Joe Koudelik and Peter AhChing
- P VIII.5 Genomic instability by mutant p53 leading to allelic loss and translocation via illegitimate recombination
Masamitsu Honma, Li-Shi Zhang, Makoto Hayashi, Kenji Takeshita, Yuzuki Nakagawa, Noriho Tanaka and Toshio Sofuni
- P VIII.6 Gene transfection in mammalian cells: an evaluation of the potential mutagenic effects
Paola Vagnarelli, Elena Raimondi, Stefano Castagna, Sabrina Fiori and Liugi De Carli
- P VIII.7 DNA repair in radioadapted human lymphocytes
M. Wojewodzka, J. Zaim, G.P. Van der Schans, M. Kruszewski and I. Szumiel
- P VIII.8 Recombinogenic effects may diverge depending on different recombination mechanisms
Thomas Helleday and Dag Jenssen
- P VIII.9 Non-induced excision of the transposable element B104 after chemical treatment in white insertional mutants of *Drosophila melanogaster*
Smlvia Soriano, Antonia Velazquez, Ricardo Marcos, Oriol Cabri and Noel Xamena
- P VIII.10 Antimetabolites of DNA synthesis are mutagenic and recombinogenic as shown by the wing spot test of *Drosophila*
Hansjörg Frei and Friedrich E. Würzler
- P VIII.11 High recombinogenicity of aflatoxin in yeast may indicate a mechanism for genetic changes in aflatoxin-induced hepatocarcinomas
Christian Sengstag, Bea Weibel and Michael Fasullo
- P VIII.12 Minisatellite rearrangement induced by a tumor promoter, okadaic acid
Minako Nagao, Shigeto Kaneko, Hiroshi Imai, Hirokazu Fukuda, Takashi Sugimura and Hitoshi Nakagama
- P VIII.13 Mutagenicity of thermal decomposition products of poly(vinyl chloride) and polycyclic aromatic hydrocarbons formation by them
Yoshiharu Hisamatsu, Satoshi Takarada and Hisao Hidaka
- P VIII.14 *S. pombe* rad32 protein: A phosphoprotein required for mating type switching
Manochehr Tavassoli and Felicity Z. Watts

- P VIII.15 Inhibitory effect of sequence divergence on recombination: analysis of the genetic control in the yeast *Saccharomyces cerevisiae*
E. Coïc and F. Fabre
- P VIII.16 High affinity of recombination proteins for microsatellite sequences (CA/GT)_n inhibits strand-exchange
E. Biet, C.-C. Gendrel and M. Dutreix
- P VIII.17 Mitotic crossing-over interfere the effect of aneuploidogenesis in *Drosophila melanogaster*
A. Muñoz and P. Ramos-Morales
- P VIII.18 Ectopic conjugation of chromosome heterochromatic regions as cytological mechanism of instability
Margarita Monakhova
- P VIII.19 Meiotic instability of the human minisatellite CEB1 in yeast
Hélène Debrauwère, Jérôme Buard, Dominique Aubert, Gilles Vergnaud and Alain Nicolas
- SESSION IX: RADIATION SENSITIVITY, RECOMBINATION AND REPAIR
- P IX.1 The *rad18* gene from *Schizosaccharomyces pombe*: A novel essential gene involved in DNA repair
Maria Fousteri and Alan Lehmann
- P IX.2 Expression of Rad51 in human cells
Jenny Flygare, Solweig Orsan and Dennis Hellgren
- P IX.3 Role of the hamster Rad51 protein in DNA damage response and homologous recombination
Stéphane Vispé, Christophe Cazaux, Claire Lesca, Brigitte Raynaud, Michèle Garès and Martine Defais
- P IX.4 Ectopic expression of Mm Kin17 protein dramatically disrupts the cellular integrity of stably transfected-HEK 293 cells
D.S.F. Biard, L. Peres, P. Kannouche and J.F. Angulo
- P IX.5 Variation of radiosensitivity and dsb repair does not correlate with the Ku70/80 and DNA-PK activity in normal human fibroblasts
Ursula Kasten, Ekkehard Dikomey, Jørgen Johansen and Jens Overgaard
- P IX.6 Negative regulation of DNA-dependent protein kinase activity in human normal peripheral blood lymphocytes: Expression of a variant form of the Ku 86 protein
Catherine Muller, Caroline Dusseau, Patrick Calsou and Bernard Salles
- P IX.7 X-ray-sensitive Chinese hamster ovary cell mutants, XR-C1 and XR-C2, are defective in the SCID/DNA-PKcs gene, but only XR-C1 is complemented by human chromosome 8
Margaret Z. Zdzienicka, Ab. Errami, Anna A. Friedl, Wilhelmina J.I. Overkamp, Bruno Morolli, Friedrike Eckardt-Schupp, Paul H.M. Lohman and Steven P. Jackson
- P IX.8 Induction of recombination in DNA repair disorders and chromosomal aberrations in hereditary cancer-prone syndromes
P.J. Abrahams, A. Houweling, F. Darroudi, C.M. Meijers, C. Terleth, A.J. van der Eb and A.T. Natarajan
- P IX.9 Molecular analyses of ionizing radiation-induced specific-locus mutations in mammalian cells
Abraham W. Hsie and Jeffrey L. Schwartz

- P IX.10 Induction and rejoining of DNA single - and double - strand breaks in normal and DNA ligase deficient cells
Silvano Nocentini
- P IX.11 Limited incision of DNA lesions induced by UV in rat testicular cells
Ann-Karin Olsen, Gunnar Brunborg, Jan K. Hongslo, Lena M. Jensen and Jørn A. Holme
- P IX.12 Radiosensitivity study in lymphocyte cultures from hospital workers occupationally exposed to low levels of ionizing radiation
P. Peitl Jr., T. Ghilardi-Neto and E.T. Sakamoto-Hojo
- P IX.13 The frequencies of micronucleated polychromatic erythrocytes in mouse bone marrow induced by combined radiation-burn injury
Lin Ao, Jia Cao, Tianmin Cheng, Lujun Yang, Shengxue Liu and Ping Qian
- P IX.14 Preliminary study of detection of excision-repairable DNA lesions with cytosion arabinoside-cytokinesis-block micronucleus test (ARA-CBMNT)
Lujun Yang, Jia Cao, Tianmin Cheng, Shengxue Liu and Lin Ao
- P IX.15 *Chlamydomonas reinhardtii* as a model system for DNA repair study
Daniel Vlcek, Andrea Slivkova, Svetlana Podstavkova Eva Miadokova and Viera Wlckova
- P IX.16 Characterization of an *Arabidopsis thaliana* homologue of the human ATM gene
Alain Tissier
- P IX.17 Homologous recombination in CHO cell lines defective in DNA damage processing
M. Kruszewski, H. Kruszewska, H. Inaba, P. Jeggo and I. Szumiel
- P IX.18 Differential sensitivity to radiation induced apoptosis in normal and malignant human lymphocytes
Jozo Delic, Peggy Masdehors, Satoshi Omura, Jeanine Dumont, Jacques-Louis Binet, Jean-Marc Cosset and Henri Magdelénat
- P IX.19 Evidence for an inducible repair-recombination system in the female germ line and soma of *Drosophila melanogaster*
Judith Ducau, Anne Laurençon and Jean-Claude Bregliano
- P IX.20 *Drosophila mei-41* gene, a model for ATM human gene
A. Laurençon, J. Sekelsky and S. Hawley
- P IX.21 Occupational exposure to low and elevated doses of ionizing radiation induce an adaptive response in human lymphocyte cultures
Ola El Habit, Abba Sharaf, Hamed Roushdy and Hany Saber
- P IX.22 Repair of γ -ray induced double-strand breaks in Chinese hamster ovary cells. Involvement of DNA fragments of different sizes
Nathalie Bidon, Georges Noel and Dietrich Averbeck
- P IX.23 Genetic predictors of radiosensitivity in human colorectal tumor cells
Jerry R. Williams
- P IX.24 The fidelity of DNA double strand break (DSB) processing is impaired in Fanconi anemia cells
Monica Escarceller, Solange Rousset, Ethel Moustacchi and Dora Papadopoulo
- P IX.25 Unusual recombinational features of Fanconi anemia cells
Julianne Smith, Jean-Christophe Andrau, Noëlle Doyen, Agnès Laquerbe, Ethel Moustacchi and Dora Papadopoulo

- P IX.26 Role of DNA repair synthesis in mammalian DNA double strand break repair
Helmut Pospiech and Juhani Syväoja
- P IX.27 Putative role of the SRS2 helicase in the control of homologous recombination in yeast
Francis Fabre and Serge Gangloff
- P IX.28 Sporulation defect in *TOP3* mutants results from abnormal premeiotic DNA synthesis and absence of reductional segregation
Serge Gangloff, Bernard de Massy, Lane Arthur and Rodney Rothstein
- SESSION XVI: DNA ADDUCTS AND HUMAN CANCERS
- A. Biomonitoring
- P XVI A.1 Selection for p53 mutations
S. Rodin, G.P. Holmquist and A. Rodin
- P XVI A.2 Accelerator mass spectrometry - A new tool for carcinogen/mutagen risk assessment
R.C. Garner, B. Cupid, D. Russell, S.J. Gant, S.H. Leveson, R.J. Mauthe, K.H. Dingley, J.S. Vogel, S.P.H.T. Freeman and K.W. Turteltaub
- P XVI A.3 Formation of alkyl- and hydroxyl-guanine adducts in DNA and mutation induction caused by N-nitrosodialkylamine plus UVA
Sakae Arimoto-Kobayashi, Keiko Kaji, Gavain M.A. Sweetman, Peter B. Farmer and Hikoya Hayatsu
- P XVI A.4 Comparison of O⁶ alkylguanine-DNA alkyltransferase activity in inbred mice after N-nitrosodiethylamine treatment
Victor Oreffo, Rajinder Singh and Peter Farmer
- P XVI A.5 Comparison of the O-alkyl adduct formation and the mutagenicity induced by NDMA and NDEA in *Drosophila*
Yuki Goto, Tomoko Matsuda, Kazuo Ito, Num-hoh Huh, Jürgen Thomale, Manfred F. Rajewsky, Hikoya Hayatsu and Tomoe Negishi
- P XVI A.6 Analysis of carcinogenic heterocyclic amine-DNA adducts in human tissues
Yukari Totsuka, Ken-ichiro Matsumoto, Masahiko Watanabe, Takashi Sugimura and Keiji Wakabayashi
- P XVI A.7 *In vitro* DNA and nucleotides adducts formation caused by ochratoxin A
Sophie Obrecht-Pflumio and Guy Dirheimer
- P XVI A.8 High benzo[a]pyrene diol-epoxide DNA adduct levels in lung and blood cells from subjects with combined *CYP1A1 MspI/MspI-GSTM1 *0/*0* genotypes
Margarita Rojas, Kroum Alexandrov, Ingolf Cascorbi, Jürgen Brockmöller, Alexei Likhachev, Guy Bouvier, Guy Auburtin, Lucienne Mayer, Ivar Roots and Helmut Bartsch
- P XVI A.9 Measuring dG-C8-PhIP as a biomarker of PhIP activation
Sarah J. Crosbie, Stephen Murray, Graham W. Taylor, Alan R. Boobis and Nigel J. Gooderham
- P XVI A.10 The DNA and protein binding properties of α -acetoxytamoxifen
Karen Brown, John Brown, Robert Heydon, Peter Farmer, Ian White and Elizabeth Martin
- P XVI A.11 Molecular dosimetry of propylene oxide in rat
Kamila Plna and Dan Segerbäck

- P XVI A.12 Use of alkaline comet assay to detect DNA damages in mononuclear leukocytes of farmers occupationally exposed to pesticides
P. Lebailly, C. Vigreux, T. Godard, E. Deslandes, F. Sichel, J.Y. Le Talaer, M. Henry-Amar and P. Gauduchon
- P XVI A.13 Evidence that DNA adducts in some human kidney tumours in France are related to ochratoxin A
Brigitte Azémar, Eric Pinelli, Geneviève Escourrou, Pierre Plante and Annie Pfohl-Leszowicz
- P XVI A.14 Biomonitoring of farmers acutely exposed to pesticides
Véronique André, Edwige Deslandes, Pierre Lebailly, Pascal Gauduchon, Odette Perin and François Perin
- P XVI A.15 Use of *Tradescantia*-bioassays to detect the genotoxicity of pH-unmodified environmental samples
Christina Pickl, Anette Fomin and Albrecht Paschke
- P XVI A.16 DNA adducts, expression of cytochrome P450 (CYP) and glutathione S-transferase (GST) and GSTM1/GSTP1 polymorphisms in broncho-alveolar macrophages of smokers and non-smokers
K. Savela, R. Piipari, A. Hirvonen, J.D. Hayes and S. Antilla
- P XVI A.17 Frequencies of hprt mutant lymphocytes in marijuana smokers and multi-drug users
Marinel Ammenheuser, Abbey Berenson, Chantele Singleton, Darlene Hastings, Elbert Whorton, Jr. and Jonathan Ward, Jr.
- P XVI A.18 Urinary levels 1-hydroxypyrene, micronuclei and SCE levels in white blood cells of traffic police wardens and referent subjects
Franco Merlo, Claudia Bolognesi, Ashild Andreassen, Aage Haugen, Federico Valerio and Angelo Abbondandolo
- P XVI A.19 Chromosomal aberrations analysis in a Brazilian population exposed to pesticides
Gilmara A. Antonucci and Ilce M. de S. Colus
- P XVI A.20 Genotoxic studies in occupationally coal exposed population
K. Rudrama Devi and V. Vijendar Reddy
- B. Molecular epidemiology
- P XVI B.1 A high frequency of chromosomal aberrations in peripheral blood lymphocytes in healthy subjects predicts cancer
Stefano Bonassi, Lars Hagmar, Christina Reuterwall and European Study Group of Cytogenetic Biomarkers and Health (ESCH)
- P XVI B.2 Cytogenetic analysis of peripheral lymphocytes in health personnel by means of fish
Silvia Kucharova, Miluse Jurakova, Petra Musilova, Zdena Zudova and Jiri Rubes
- P XVI B.3 Transgenic drosophila melanogaster bearing human genes in environmental risk evaluation
Karel Chroust, Trevor Jowett and Iva Papouřkova
- P XVI B.4 O⁶-methylguanine is a ubiquitous lesion in human DNA
P. Georgiadis, S. Kaila, E. Samoli, K. Katsouyanni and S.A. Kyrtopoulos
- P XVI B.5 A molecular epidemiological study of genetic susceptibility to lung cancer
Sarah Lewis, Robert Niven, Nicola Cherry, Philip Barber, Donald Cooper and Andrew Povey

- P XVI B.6 Occupational exposure to mutagens; monitoring of rubber factory workers
Maria Duinska, Radoslav Fabry, Elena Szabova, Martina Somorovska, Helena Petrovska and Andrew Collins
- P XVI B.7 P53 mutational spectra in lung and bladder cancers. A study of urban bus drivers and a reference group
Lise R. Nielsen, Grete K. Jacobsen, Helle Soll-Johanning, Birgitte Korsholm, Lourdes M. Pedersen, Lisbeth E. Knudsen, Otto M. Poulsen, Ha°kan Wallin and Bjørn A. Nexø
- P XVI B.8 Immunohistochemical detection of PAH-DNA adducts. An application in molecular epidemiology studies
Grazyna Motykiewicz, Ewa Malusecka, Paula T.M. Van Den Berg, Jadwiga Michalska, Robert A. Baan, Regina M. Santella and Mieczyslaw Chorazy
- P XVI B.9 DNA adduct formation by tamoxifen and structurally related compounds in rat liver
Heli Rajaniemi, Eero Mäntylä and Kari Hemminki
- P XVI B.10 Risk assessment of some traditional food items consumed in areas with high risk of esophageal cancer in north of Iran
Abed-Ali Zia'ee, Zahra Pourmahdi and Ferdous Rastgar-Jazii
- P XVI B.11 Towards molecular epidemiology of Myelodysplastic Syndromes (MDS)
Irena Tallon, Nik Van Larebeke and Joris Deman
- P XVI B.12 In vivo DNA binding of the active metabolites of 1,3-butadiene
Pertti Koivisto, Francesca Pacchierotti, Ilse-Dore Adler and Kimmo Peltonen
- P XVI B.13 Immunohistochemical detection of PAH-DNA adducts. An application in molecular epidemiology studies
Gragyna Motykiewicz, Ewa Mawusecka, Paula T.M. Van den Berg, Jadwiga Michalska, Robert A. Baan, Regina M. Santella and Mieczyslaw Chorlzy
- P XVI B 14 Genotoxic damage in Danish busdrivers
L.E. Knudsen

SESSION XVIII: BIOLOGICAL CONSEQUENCES OF SUN EXPOSURE

A. Photomutagenicity and photocarcinogenicity: experimental aspects

- P XVIII.1 Induction of UV photoproducts and DNA damage by solar simulator UV irradiation
Alison Wolfreys, Peter Clingen and Leigh Henderson
- P XVIII.2 Delayed cell death in cell lines from humans and fish exposed to UVA and UVB
Joseph P. O' Reilly and Carmel Mothersill
- P XVIII.3 Mutagenicity induced by UVA-irradiation on *Drosophila*
Shogo Takinami, Miwako Hieda, Kotaro Hieda, Mamoru Kubota, Masakatsu Watanabe, Osamu Nikaïdo, Hikoya Hayatsu and Tomoe Negishi
- P XVIII.4 Environmental and genetic risk factors in the development of basal cell carcinomas
Mariarosaria D'Errico, Angelo Calcagnile, Francesco Sera, Rosamaria Corona and Eugenia Dogliotti
- P XVIII.5 Is there a link between sunlight and non-hodgkin lymphoma (NHL)?
Michael H.L. Green, Colin F. Arlett, Graham Bentham, Gino Cortopassi, Yafei Liu, Hedda Steingrimsdottir, Emily Capulas and Jane Cole
- P XVIII.6 Evaluation of the genophotoprotective effect of mineral sunscreen: *In vitro* comet assay
Caroline Cayrol-Baudouin, Danièle Raynal, Marie-Françoise Ariès, Marie Charvéron and Y. Gall

P XVIII.7

Repair of UV-induced lesions in plants

V. Naumenko, N. Clarke, S. McCready, T. Thomas, D. Grodzinsky and I. Boubriak

P XVIII.8

In vitro strategy to predicting phototoxicity induced by simulated solar UV at the cellular and molecular level: Application to photoprotection

C. Agapakis-Causse

P XVIII.9

Photoreactivation by sunlight of UVC-induced damages in ages in crepis capillaris cells

Nijole Tiunaitiene, Kazimiera Slekyte and Karolis Cieminis

P XVIII.10

In vitro evaluation of solar UV genotoxicity: Photoprotection by the sunscreen MEXORYL^R SX

L. Marrot

8.30am-10.00am	Plenary Session
AMPHI A	Chair : J. Parry (UK) and E. Lorge (France)
8.30am-9.15am	The news in mutagenicity testing (PL 2) <i>J. Ashby (UK)</i>
9.15am-10.00am	Monitoring the genetic effects of radiation in the children of atomic bomb survivors (PL 9) <i>C. Satoh (Japan)</i>
10.00am-10.30am	COFFEE BREAK
AMPHI A	Role of oxidative damage, mutagens and antimutagens in relation to nutrition
10.30am-12.30pm	Session XVII A Chair : P. Karran (UK) and M. Vuillaume (France) A) Repair and mutagenesis of oxidative damage
10.30am-11.00am	Enzymes for repair of abasic damages : regulation and specificity (O XVII A.1) <i>B. Demple (USA)</i>
11.00am-11.30am	Mutagenesis and carcinogenesis induced by oxygen radicals : roles of 8-hydroxyguanine, 2-hydroxyadenine, and glyoxal formation (O XVII A.2) <i>H. Kasai (Japan)</i>
11.30am-12.00pm	Repair of oxidatively damaged bases in eukaryotes (O XVII A.3) <i>S. Boiteux (France)</i>
12.00pm-12.30pm	Defects in transcription-coupled repair of oxidative base damage in xeroderma pigmentosum with cockayne syndrome <i>P. K. Cooper (USA)</i>
AMPHI B	New mutagenicity tests and their evaluation - Session XIV A/B
10.30am-1.00pm	Chair : M. Green (UK) and M. De Méo (France) A) <i>In vitro</i> tests for NER and recombinational repair and mutagenesis
10.30am-11.00am	DNA damage and repair at the level of the nucleotide : a novel approach and a model system (O XIV A.1) <i>R. Waters (UK)</i>
11.00am-11.30am	<i>In vitro</i> assays to measure homologous recombination and homologous pairing in crude extracts (O XIV A.2) <i>B. Lopez (France)</i>
11.30am-12.00pm	B) Comet assay The SCG/Comet assay : Applications to environmental and human biomonitoring (O XIV B.2) <i>R. R. Tice (USA)</i>
12.00pm-12.30pm	The Comet assay as a surrogate endpoint for cell killing by DNA damaging agents (O XIV B.1) <i>P. L. Olive (Canada)</i>
12.30pm-1.00pm	Comet assay - Application to human epithelial cells from the upper aerodigestive tract (O XIV B.3) <i>P. Schmezer (Germany)</i>
AMPHI C	WORKSHOP - Session XX
10.30am-12.30pm	Genotoxic damage in the European Population ? Chair : H. Autrup (Denmark) and C. Pueyo (Spain)
10.30am-10.45am	Overview of results from EU collaborative studies <i>H. Autrup (Denmark)</i>
10.45am-11.00am	Aneuploidy in human population in Hungary <i>I.-D. Adler (Germany)</i>
11.00am-11.15am	Genetic damage in a population in Northern Bohemia <i>R. Sram (Czech Republic)</i>
11.15am-11.30am	Genotoxic damage in Danish bus drivers <i>L. Knudsen (Denmark)</i>
11.30am-11.45am	Biological monitoring of workers exposed to emissions from petroleum plants <i>A. Cebulaka-Waslewska (Poland)</i>
11.45am-12.00pm	Chromosomal damage following the Chernobyl accidents <i>I. Vorobtsova (Russian Federation)</i>
12.00pm-12.15pm	Exposure assessment of carcinogens in an Estonian oil-shale plant <i>K. Peltonen (Finland)</i>
12.15pm-12.45pm	Discussion
12.30pm-2.00pm	MEAL

2.00pm-3.00pm

AMPHI A

3.00pm-4.30pm

3.00pm-3.30pm

3.30pm-4.00pm

4.00pm-4.30pm

AMPHI B

3.00pm-5.00pm

3.00pm-3.30pm

3.30pm-4.00pm

4.00pm-4.30pm

4.30pm-5.00pm

AMPHI A

5.00pm-6.00pm

POSTER PRESENTATIONS (Sessions XIV-XVII)

Role of oxidative damage, mutagens and antimutagens in relation to nutrition

Session XVII B

Chair : F. Palitti (Italy) and C. Beaubestre (France)

B) Mutagens and antimutagens in the environment

Chemoprevention of mutation-related chronic degenerative diseases. Molecular mechanisms
(O XVII B.1)

S. de Flora (Italy)

Determination of endogenous DNA damage, oxidated DNA bases and oxidative stress in primary human colon cells and modulation by plant ingredients (O XVII B.2)

B. L. Pool-Zobel (Germany)

Mutagens of polycyclic structures - Detection and prevention (O XVII B.3)

H. Hayatsu (Japan)

New mutagenicity tests and their evaluation - Session XIV C

Chair : S. Albertini (Switzerland) and N. Bichet (France)

C) Aneuploidy and chromosome painting

The use of chromosome painting for detecting adverse environmental exposure (O XIV C.4)

J. D. Tucker (USA)

Multiple genetic endpoint comparisons in various tissues and cells of the rat (O XIV C.3)

G. R. Mohn (The Netherlands)

Chemically induced germ cell aneuploidy detected in sperm by fluorescence *in situ* hybridization (FISH)

(O XIV C.2)

I. D. Adler (Germany)

The *in vitro* micronucleus test : A multi-endpoint test for the detection of apoptosis, chromosome breakage, chromosome loss and non-disjunction (O XIV C.1)

M. Kirsch-Volders (Belgium)

"Mutagenesis" Poster Award (J. Parry)

CONCLUDING REMARKS

Chair : B. Salles (France)

Environmental mutagenesis, which future ?

E. Moustacchi (France)

Sessions XIV,
XVII

SESSION XIV: NEW MUTAGENICITY TESTS AND THEIR EVALUATION

A. In vitro tests for NER and recombinational repair and mutagenesis

- P XIV A.1 Detecting polyploidy in regulatory in vitro cytogenetics assays
Clare Bourner, Alison Wolfreys and Leigh Henderson
- P XIV A.2 Salmonella spiral assay: Manually counting and data analysis
Lone Lillemark, Mona-Lise Binderup, Birgitte Plesing Møller and Vivian Jørgensen
- P XIV A.3 Detection of genomic DNA damage induced by genotoxins in mammalian cell lines by a chemiluminescence microplate DNA repair assay
R.-Y. Li, C. Provot, J.-P. Jaeg, C. Bozzato and B. Salles
- P XIV A.4 Evaluation of the restriction site mutation assay using murine P53 intron sequences
Gareth J.S. Jenkins and James M. Parry
- P XIV A.5 Metabolic activation of promutagenic carcinogens with human hepatoma (Hep G2) cells
F. Darroudi, S. Knasmüller, R. Sanyal, C.M. Meijers and A.T. Natarajan
- P XIV A.6 Mutagenic action of mycotoxins at molecular level
Marcela Aranda and Manuel Ellahueñe
- P XIV A.7 Comparison of sensitivity and utility of tolC (mtcB) deep rough like mutant of E. coli WP2 tester strains and WP2 tester strains
Akihiro Araki, Rie Ishida, Toshiaki Sasaki and Taijiro Matsushima
- P XIV A.8 An evaluation of spontaneous mutation in the environment
Samantha Mead and Susan M. Thomas
- P XIV A.9 Bioluminescent detection of DNA damage via *umuC'*-*luxAB* gene fusion
Tamara Justus and Susan M. Thomas
- P XIV A.10 Detection of mitomycin C in vitro effects by DNA fingerprinting on rainbow trout cells
Concepcion Becerril, Mar Ferrero and Argelia Castaño
- P XIV A.11 Assessment of DNA damage in patients with leukemia in individual peripheral blood and bone-marrow cells using the single cell gel electrophoresis assay
A. Gabelova, O. Babusikova, Ruzekova, T. Farkasova and D. Slamenova
- P XIV A.12 Cytogenetic end-point in an alternative medium-term carcinogenicity assay
Daisy Salvadori, Roberta Denadai, João L.V. de Camargo and Lucia R. Ribeiro
- P XIV A.13 *In vivo* evaluation of cocaine genotoxicity
Susie V. Oliveira, Roberta Denadai, Ana Paula Bazo, Daisy M.F. Salvadori, Efigénia Q. Santana, João L.V. de Camargo and Lucia R. Ribeiro
- P XIV A.14 Initiated rat bioassay as an alternative method for carcinogenicity evaluation adopted in Brazil
João L.V. de Camargo, Daisy M.F. Salvadori and Lucia R. Ribeiro
- P XIV A.15 Natural killer activity after initiation and promotion in an alternative medium term carcinogenicity bioassay
Ana L.T. Spinardi, Ramon Kaneno, Daisy M.F. Salvadori, Lucia R. Ribeiro and João L.V. de Camargo

B. Comet assay

- P XIV B.1 Molecular dosimetry of cancer risk factors
B. Nagarajan and V.M. Vadhanam
- P XIV B.2 DNA damage in smokers' lymphocytes
Stylianos Piperakis, Evangelos Visvardis and Aspasia Tassiou
- P XIV B.3 Evaluation of the genotoxic effect of 2-ethoxyethanol
Claudia Roncancio and Bertha O. de Dulce
- P XIV B.4 Detection of primary DNA damage in an unicellular protozoa *Acanthamoeba castellanii* by a modified test protocol of the comet assay - investigations of humic substances and their interaction with genotoxines
Adelheid Weßler, Peter Krolla-Sidenstein and Ursula Obst
- P XIV B.5 The use of the alkaline comet assay to detect DNA crosslinks: Improved methodology
Stefan Pfuhrer, Sieglinde Deutschenbaur and Hans-Uwe Wolf
- P XIV B.6 DNA damage induced by different agents in various cell types
Helena Petrovska, Maria Duinska, Martina Somorovska and Andrew Collins
- P XIV B.7 Mutagenic and antimutagenic effects of cobalt compounds measured by the comet assay
Marlies De Boeck, Mia Saaristo, Freddy Van Goethem and Micheline Kirsch-Volders
- P XIV B.8 Genetic effects in neocortical cells of rats transplacentally exposed to mercury compounds
Geofrey De Visscher, Magdolna Szente and Micheline Kirsch-Volders
- P XIV B.9 Use of the comet assay and the micronucleus test in fish for biomonitoring of the aquatic environment
Kathy Belpaeme, Kris Cooreman and Micheline Kirsch-Volders
- P XIV B.10 Use of comet assay and alkaline DNA unwinding to detect DNA lesion in mammalian cells damaged by indirect carcinogens
D. Slamenova, A. Gabelova and L. Ruzekova
- P XIV B.11 *In-vivo* detection of genotoxic effects on cells of various rat organs with the single cell gel electrophoresis assay: Comparison with *in vitro* effects on CHO cells and *in vivo* micronucleus test in mice
Thierry Godard, Adel Ben Youssef, Virginie Klès, Jean-Michel Poul, Pierre Lebailly, Carole Vigreux, Edwige Deslandes, Cathy Staedel, François Sichel and Pascal Gauduchon
- P XIV B.12 Detection of staurosporine- and etoposide-induced apoptosis on CHO cells with the comet assay
T. Godard, L. Poulain, E. Deslandes, C. Vigreux, P. Lebailly, F. Duigou, C. Staedel, A. Ben Youssef, J.M. Poul, F. Sichel and P. Gauduchon
- P XIV B.13 The comet assay: Alternatives for quantitative analyses
Ralph E. Durand and Peggy L. Olive
- P XIV B.14 The experimental design and statistical analysis of *in vivo* and *in vitro* comet studies
David P. Lovell and Gail Thomas
- P XIV B.15 Protective effect of α -Hederine against B[a]P by comet assay and flow cytometry
Hélène Guiraud-Dauriac, Clémence Mba Gachou, Michèle Laget, Michel De Méo and Gérard Duménil
- P XIV B.16 DNA damage induction and removal after cyclophosphamide treatment in different organs of transgenic mice
Elisa Garcia Garayoa, Franziska Locher, Hans-Jörg Martus and Willi Suter

- P XIV B.17 The use of the comet assay in an unicellular green alga for the assessment of genotoxic potential and masking effects of humic substances
Monika Erbes, Adelheid Weßler and Ursula Obst
- P XIV B.18 Detection of direct-acting genotoxins in the in vivo skin comet assay
Helen Tinwell, James Mackay, Barry Elliott and John Ashby
- P XIV B.19 Comparison between the alkaline single-cell gel (comet) assay and the micronuclei test in mice treated with different doses of methyl methanesulfonate
Manuel Ellahueñe, Fabio Dalessandro, Patricio Gonzalez-Hormazabal, Mauricio Farfan, Margarita Orellana-Valdebenito and L. Patricia Pérez-Alzola
- P XIV B.20 DNA damaging activity of hydroquinone in human white blood cells as detected by the comet assay
Cristina Andreoli, Sabrina Rossi, Francesca Marcon and Riccardo Crebelli
- P XIV B.21 Impaired DNA repair as assessed by the «Comet» assay in patients with thyroid carcinoma after radiotherapy
Frédéric Leprat, Claire Alapetite, Filippo Rosselli, Agnès Ridet, Martin Schlumberger, Alain Sarasin, Horacio Suarez and Ethel Moustacchi
- P XIV B.22 Comparison of effects induced in vivo by carbon tetrachloride, 1-ethyl-1-nitrosourea and methyl methanesulfonate using the alkaline comet assay
Eva Agurell, Ann-Marie Hamreby, Jeanette Lind, Maud Palm, Gunilla Rylander and Annmari Westman
- P XIV B.23 *In vivo* genotoxicity of two organ-specific carcinogenic haloalkanes in the comet assay
C. Eckert, P. Schmezer, U.M. Liegibel, R.G. Klein, R. Gliniorz and H. Bartsch
- P XIV B.24 Genotoxic aldehydes produce specific comet assay images
F. Kuchenmeister, G. Engelhardt, P. Schmezer and H. Bartsch
- P XIV B.25 Immunofluorescent detection of cyclobutane pyrimidine dimers by a modification of the Comet assay
Sylvie Sauvaigo, Nathalie Signorini, Nathalie Emonet, Marie-Jeanne Richard and Jean Cadet
- C. Aneuploidy and chromosome painting
- P XIV C.1 Comparison of vinblastine-induced micronuclei chromosome malsegregation in binucleated lymphocytes from young and elderly individuals
Paola Leopardi, Francesca Marcon, Gabriella Dobrowolny, Riccardo Crebelli and Andrea Zijno
- P XIV C.2 Immunofluorescence analysis of Diazepam-induced mitotic apparatus abnormalities and chromosome loss in Chinese hamster cells
Massimo Izzo, Antonio Antocchia, Francesca Degrassi and Caterina Tanzarella
- P XIV C.3 Analysis of radiation-induced chromosome aberrations in Chinese hamster splenocytes by FISH using chromosome-specific DNA libraries
M. Grigorova, Y. Xiao and A.T. Natarajan
- P XIV C.4 Analysis of mutagenic effect of low frequency electromagnetic fields by chromosome painting
Jose M. Garcia-Sagredo, Concepcion Villalon, Isabel Vallcorba, Carmen Sanchez-Hombre, Teresa Ferro and Carlos San Roman
- P XIV C.5 Development of arm-specific painting probes for Chinese hamster chromosomes and their use in the detection of complex chromosome rearrangements induced by bleomycin
F. Darroudi, S. Simi and A.T. Natarajan

- P XIV C.6 Analysis of the induction and the persistence of X-ray induced chromosome aberrations in mouse bone marrow cells using fluorescence in situ hybridization
Y. Xiao, F. Darroudi, M. Grigorova and A.T. Natarajan
- P XIV C.7 Validation of multi-color FISH methods for the detection of chromosome abnormalities in human and rodent sperm
Andrew Wyrobek, Paul Van Hummelen, Francesco Marchetti, Jack Bishop and Xiu Lowe
- P XIV C.8 Study of proliferation of T-lymphocytes in CFS-patients
Sofie Van Impe, Inge Hauspie, Micheline Kirsch-Volders and Kenny De Meirleir
- P XIV C.9 Molecular characterization of micronuclei in peripheral blood reticulocytes of the mouse by means of an in situ RT-PCR/PRINS approach
Antonella Russo and Cristiano Salata
- P XIV C.10 Aneuploidy induction with chemicals determined in mouse sperm by multicolor FISH
Thomas E. Schmid, Andrew J. Wyrobek, Adolf Baumgartner and Ilse-Dore Adler
- P XIV C.11 Characterization of chromosomal alterations occurring in B6C3F1 mice following benzene exposure using fluorescence in situ hybridization (FISH)
Maik Schuler, Ling Wang, Christopher Frantz, Robert Parks and David A. Eastmond
- P XIV C.12 Radioactive iodine induces clastogenic and age-dependent aneugenic effects in exposed patients as detected by interphase FISH
Maria Jose Ramirez, Jordi Surrallés, Pere Galofre, Amadeu Creus and Ricard Marcos
- P XIV C.13 Interlaboratory comparison of different cytogenetic endpoints for scoring of radiation damage in peripheral blood lymphocytes after in vitro low dose γ -exposure
Hubert Thierens, Anne Vral, Leo De Ridder, Micheline Kirsch-Volders, Nadia Touil, Christian Laurent and Vincent Lambert
- P XIV C.14 Lagging of the X chromosome, autosomes, and acentric fragments in anaphases of female lymphocytes
Julia Catalan, Ghita Falck, Jordi Surrallés and Hannu Norrpa
- P XIV C.15 Liver micronucleus test of rats with direct and indirect mutagens
Tadashi Noguchi, Suzuki Masaaki, Keisuke Noda and Taijiro Matsushima
- P XIV C.16 Induction of nondisjunction and chromosome loss by three aneuploidogens in human binucleated lymphocytes
Lucia Migliore, Roberto Barsanti, Laura Zotti-Martelli and Roberto Scarpato
- P XIV C.17 Neocarzinostatin-induced chromosome translocations in human sperm and peripheral blood lymphocytes
Hirokazu Kusakabe, Kohji Yamakage and Noriho Tanaka
- P XIV C.18 Automation of scoring micronucleated reticulocytes by image analysis in the mouse peripheral blood micronucleus assay
Yoshiyuki Katsuma, Kazuhiko Matsunaga, Takayosi Suzuki, Toshio Sofuni, Norihide Asano, Hironobu Tamura, Naohiko Higashikuni and M. Hayashi
- P XIV C.19 Analysis of micronuclei in primary rat hepatocytes using fluorescence *in situ* hybridization with a centromeric DNA probe
Peter Kasper, Birgit Kersten, Kerstin Tegethoff, Renata Schleicher, Anne Wolbert and Lutz Müller
- P XIV C.20 Studies on the relationship between short-term genotoxic endpoints and carcinogenic effects
Jan van Benthem, Henny W. Verharen, Joyce M. de Stoppelaar, Barbara Hoebee and Georges R. Mohn

- P XIV C.21 Detection of aneuploidy in *in vivo* induced binucleated rat fibroblasts
Joyce M. De Stoppelaar, Harro Hokse, Henny W. Verharen, Georges R. Mohn, Barbara Hoebee and Jan van Benthem
- P XIV C.22 Indication of asymmetrical DNA distribution in treated and tumor cells by scanning Integrated Optical Density
Elena Gostjeva
- P XIV C.23 Detection of cytogenetic damages in blood cells of benzene-exposed workers by multicolor fluorescence *in situ* hybridization (FISH)
Francesca Marcon, Andrea Zijno, Riccardo Crebelli, Angelo Carere, Maik Schuler, Robert Parks and David A. Eastmond
- P XIV C.24 Analysis of origin of micronuclei induced by 4 suspect aneugens using fluorescent *in situ* hybridization (FISH) and antikinetochore antibodies staining (CREST)
Jia Cao, Bin Hu, Tianming Cheng and Ke Cheng
- P XIV C.25 Comparison of baseline aneuploidy frequencies in sperm of mice, rats and humans determined by fluorescence *in situ* hybridization with chromosome specific DNA point probes
Jack B. Bishop, Xiu Lowe, Joyce M. deStoppelaar, Barbara Hoebee and Andrew J. Wyrobek
- P XIV C.26 Chromosomal and structural abnormalities in human sperm detected by multicolor FISH after intoxication with diazepam: Comparison with mouse results
Adolf Baumgartner, Thomas E. Schmid, Andrew E. Czeizel, Andrew J. Wyrobek and Ilse-Dore Adler
- P XIV C.27 The flow cytometric *in vivo* micronucleus assay in mouse bone marrow and spleen. Detecting the effects of low doses of model agents
Jan Grawé, Lilianne Abramsson-Zetterberg and Gösta Zetterberg
- P XIV C.28 Studies of sister-chromatid exchanges and chromosome aberrations in cultured human peripheral blood lymphocytes treated with insulin
Ninoslav Djelic, Bogosav Soldatovic and Marko Andjelkovic
- P XIV C.29 The development of software on the cytokinesis-block micronuclei of human lymphocytes using image analysis system
Dong Yi and Jia Cao
- P XIV C.30 A methodological study on the detection of environmental mutagens using *Vicia faba* sister-chromatid exchange assay
Zhiming Kong, Yu Zang, Yiqiang Li and Enzhong Xia
- P XIV C.31 Induction of aneuploidy in human lymphocytes by alcohol abuse
Francesca Maffei, Carmela Fimognari, Giorgio Cantelli-Forti and Patrizia Hrelia
- P XIV C.32 Effect of cytochalasin B on the induction of chromosome missegregation by colchicine at low doses in human lymphocytes
Sandra Minissi, Bianca Gustavino, Francesca Degrassi, Caterina Tanzarella and Marco Rizzoni
- P XIV C. 33 Automated metaphase finding: Assessment of the metafer2 system in routine chromosomal aberration assays.
Andrée-Anne Chételat
- P XIV C. 34 Development of a test strategy for the detection of genotoxic effects in surface waters
Tamara Grummt, Heinz-Günter Wunderlich

SESSION XVII: ROLE OF OXIDATIVE DAMAGE, MUTAGENS AND ANTIMUTAGENS IN RELATION TO NUTRITION

A. Repair and mutagenesis of oxidative damage

- P XVII A.1 Detection of oxidative mutagens with *Escherichia coli* strains deficient in the OxyR function: Mutagenicity of the antituberculosis drug isoniazid
Manuel Blanco, Amparo Urios, Guadalupe Herrera and José E. O'Connor
- P XVII A.2 Oxidative DNA damage in *Escherichia coli* strains deficient in catalase and Fapy-glycosylase
José Alhama, Julia Ruiz, Carmen Pueyo and Juan Lopez-Barea
- P XVII A.3 Extracellular gamma-radiation-induced mutagenesis in the lacI gene
Karen Wijker, Natasja Wientjes and Vincent Lafleur
- P XVII A.4 Replication of DNA templates containing 5-formyluracil, a major oxidative lesion of thymine in DNA
Qiu-Mei Zhang, Hiroshi Sugiyama, Izumi Miyabe, Naoko Ishikawa and Shuji Yonei
- P XVII A.5 Influence of hydrogen peroxide on cell cycle in chosen cell lines
Elzbieta Anuszezwska, Janusz Skierski, Jadwiga Kozirowska and Beata Gruber
- P XVII A.6 Development of a postlabeling assay as a biomonitor of oxidative DNA damage in humans
George Jones, Neil Bennett, Ian Podmore and Michael Routledge
- P XVII A.7 Steady-state levels of oxidative DNA base modifications in mammalian cells
Michael Pflaum, Olaf Will, André-Patrick Arrigo and Bernd Epe
- P XVII A.8 8-Oxoguanine: Mutagenesis and repair
Florence Le Page, Alain Gentil and Alain Sarasin
- P XVII A.9 A simple chemiluminescence microplate assay (the 3D-assay) to study antioxidizing compounds
Christian Provot, Corinne Bozzato and Bernard Salles
- P XVII A.10 Sequence dependent repair of dimethylsulfate DNA adducts in the promoter and first exon of the PGK-1 gene in normal human cells and *in vitro*
Ning Ye, Gerald P. Holmquist and Timothy R. O'Connor
- P XVII A.11 Fish 8-oxo-dG levels as biomarker of oxidative damages by environmental pollutants
Isa Diaz-Méndez, José Alhama, Carmen Pueyo and Juan Lopez-Barea
- P XVII A.12 Urinary excretion of 8-hydroxydeoxyguanosine: Influence of smoking and vitamin status
Dietmar Germadnik, Alexander Pilger, Gerhard Scherer and Hugo Rüdiger
- P XVII A.13 *Ex vivo* and *in vitro* unscheduled DNA synthesis (UDS) assays in rat liver with hydrogen peroxide (H₂O₂)
J.-F. Régnier, C. Clare, J. de Gerlache, G. Malinverno, W. Mayr, M. Weiner and H. Trochimowicz
- P XVII A.14 Iron chelators that promote Fenton chemistry
Björn E. Sandström and Micael Granström
- P XVII A.15 Study of the effect of vitamin C in Down syndrome lymphocytes treated with H₂O₂ and α -irradiation using the SCGE assay - Is there a protective role?
Aspasia Tassiou, Evangelos-E. Visvardis and Stylianos Piperakis

- P XVII A.16 Different responses of alveolar macrophages and epithelial type II cells to oxidative DNA damage caused by paraquat
Bibiana Vallova, Zuzana Kovaèikova and Maria Dusinska
- P XVII A.17 PBMC's repair capacity to oxidative DNA damage, relation to subpopulations' variation and activation of apoptosis
Evangelos-E. Visvardis, Aspasia Tassiou, C.N. Baxevanis, M. Papamichail and Stylianos Piperakis
- P XVII A.18 Phenolic molecules and the genotoxicity of instant coffee upon nitrosation
Maria Paula Duarte, Antonio Laires, Jorge Gaspar, Daniela Leão, José Santos Oliveira and José Rueff
- P XVII A.19 Mutagenicity evaluation of Genistein, an anti-carcinogenic isoflavone present in soybeans
Wolfgang Muster, Silvio Albertini, André-Anne Chételat, Beate Miller and Elmar Gocke
- B. Mutagens and antimutagens in the environment
- P XVII B.1 Imidazole ring-opened purines⁻ They are weaker inhibitors of DNA replication than oxidative derivatives of pyrimidines
Maria-Anna Grziewicz, Tomasz H. Zastawny and Barbara Tudek
- P XVII B.2 Peroxidative hemolysis value as a predictive parameter for the revealing of human mutagenic risk groups
Ludmila Khripach, Faena Ingel, Tatyana Tsutsman, Elena Krivtsova and Julia Revazova
- P XVII B.3 Vitamin C and bleomycin: A comparative study of their effects on smokers and non-smokers lymphocytes
Andréa Oliveira Cecchi and Catarina Satie Takahashi
- P XVII B.4 Moderate wine consumption protects against hydrogen peroxide-induced DNA damage
Michael Fenech, Creina Stockley and Clare Aitken
- P XVII B.5 Folate, vitamin B12, homocysteine and micronuclei in lymphocytes of older men
Michael F. Fenech, Ivor E. Dreosti and Josephine R. Rinaldi
- P XVII B.6 Formation of a coupled mutagenic compound from the co-mutagen, norharman with aniline
Keiji Wakabayashi, Yukari Totsuka, Noriyasu Hada, Masahiko Watanabe, Yusaku Yokoyama, Yasuoki Murakami and Takashi Sugimura
- P XVII B.7 Mutagenic properties of 7-methyladenine
Barbara Tudek
- P XVII B.8 Analysis of mutagenesis by human hepatitis B virus X protein
Yoshimitsu Oda, Yoshinobu Okuno and Yoshi-ichi Minekawa
- P XVII B.9 Effects of complex prescription Huang Qi (CPHQ) on life span in *Drosophila melanogaster*
Li Huaiyi, Wang Xinming, Tan Jianquan, Chu Zhengxu and Jiang Zuoshu
- P XVII B.10 Arsenite induces micronuclei by generation of nitric oxide
Kun-Yan Jan, Shugene Lynn and Jia-Ran Gurr
- P XVII B.11 Modulators of nitrosation reactions in human gastric juice
Eugénia Ramos, Jorge Gaspar, Maria Catela, Antonio Laires and José Rueff
- P XVII B.12 Enhancement of mutagenicity of N-nitrosodimethylamine (NDMA) by a modified microsomal/bacterial pre-incubation assay
Junko Ebata and Hideyuki Furukawa

- P XVII B.13 Interaction of fatty acids in mutagenicity
Thomas Helleday, Eva Martensson and Dag Jenssen
- P XVII B.14 Cytotoxic and mutagenic effectiveness of food related α,β -unsaturated carbonyl compounds in mammalian cells
C. Janzowski, V. Glaab and G. Eisenbrand
- P XVII B.15 Peroxisomal enzyme activity and cell proliferation in rats, mice, and hamsters exposed for 13-weeks to Wy-14,643 and Gemfibrozil
Michael Cunningham, Joyce Durnford, Milton Hejtmancik, Perry Kurtz, Roger Renne, Katherine Gideon, Dan Marsman, Molly Vallant and Raj Chhabra
- P XVII B.16 Preferential binding of heterocyclic amines to purines in polynucleotides
Hikoya Hayatsu, Yuji Tanaka and Toshiko Hayatsu
- P XVII B.17 Effects of benzenediols and benzenetriols on *N*-nitrosation reactions
Antonietta Martelli, Enzo Sottofattori and Giovanni Brambilla
- P XVII B.18 Mutagenicity of aqueous fecal extracts with *umu* test
Sei-ichi Nakamura, Hiroshi Kosaka, Yoshimitsu Oda, Hajime Oda, Shinichi Sato and Minoru Iida
- P XVII B.19 Mutagenicity of chlorinated tap water in Bangkok
Wanee R. Kusamran and Anong Tepsuwan
- P XVII B.20 Effects of *Alpinia oxyphylla* (zingiberaceae) on apoptosis in human promyelocytic leukemia (HL-60) cells and tumor promoter-induced inflammation in mice
Eunyong Lee, Jong-Min Lee, Kwang-Kyun Park, Sang-Sup Lee and Young-Joon Surh
- P XVII B.21 DNA strand scission and cell death induced by salsolinol through redox cycling
Young-Joon Surh, Hyun-Jung Kim, Stacy Washington, In I. Chang and Young J. Oh
- P XVII B.22 DNA strand breaking activity and mutagenicity of a Maillard reaction product, 2,3-dihydro-3,5-dihydroxy-6-methyl-4h-pyran-4-one
Kazuyuki Hiramoto, Akiko Nasuhara, Kae Michikoshi, Tetsuta Kato and Kiyomi Kikugawa
- P XVII B.23 2-deoxy-D-glucose: A modifier of induced cytogenetic damage in cultured lymphocytes of patients with Fanconi anaemia and Down syndrome
K. Girijamani and P.M. Gopinath
- P XVII B.24 The inhibitory effects of moutan cortex and paeoniae radix on oxidative DNA damage by *t*-butylhydroquinone, phenolic antioxidant
Tomoko Okubo, Fumiko Nagai, Keiko Ushiyama, Takako Seto, Kanako Satoh and Itsu Kano
- P XVII B.25 Micronuclei in lymphocytes and exfoliated buccal cells of postmenopausal women with dietary changes in folate
Nina Titenko-Holland, Robert A. Jacob, Nong Shang, Anita Balaraman and Martyn T. Smith
- P XVII B.26 A study on the mechanism of antimutagenesis of Vitamin C
Zezen Zhao, D.G. Wen, L.Z. Wei, H.Y. Zhi, Z.Y. Mou, X. Liu, M.S. Liu and H.L. Di
- P XVII B.27 Comparative studies on genotoxicity and antimutagenicity of natural and synthesized β -carotene stereoisomers
Kai-Xian Xue, Guo-Jian Ma, Jian-Zhong Wu, Sheng Yuan and Huai-Lan Qin
- P XVII B.28 In vivo apo-carotenal anticlastogenic activity
Larisa Tjurina, Andrey Durnev, Galina Volgareva, Nataliya Guseva, Andrey Oreshchenko and Sergei Seredenin

- P XVII B.29 Inductive and suppressive effects of crude lemongrass on phase II xenobiotic-metabolizing enzymes
Usanee Vinitketkumnuen and Nirush Lertprasertsuk
- P XVII B.30 Antimutagenic prophylaxis of occupational risk groups
Alexander Vaglenov, Ekaterina Yaneva, Stoyan Laltchev, Maria Nosko, Vera Petkova, Sonya Pavlova, Katia Doneva, Maria Demirova and Dimitar Kehajov
- P XVII B.31 *In vivo* and *in vitro* cytogenetic analysis of the possible radioprotection effect of the amino acid glutamine
Denise Crispim Tavares and Catarina Satie Takahashi
- P XVII B.32 Phenolic and polyphenolic compounds in medicinal plants as antimutagens
Saroj Bala, I.S. Grover and Satwinderjeet Kaur
- P XVII B.33 Antimutagenicity of tea polyphenols (TP) on organic extracts of airborne particles
Liming Qian, Xianqiang Yang, Biquan Yang, Xiaoyun Xu, Hui Chen, Liming Xuan, Jianwen He and Jianheng Chen
- P XVII B.34 The inhibitory effects of Moutan Cortex and Paeoniae on Radix on oxidative DNA damage by t-butylhydroquinone, phenolic antioxidant
Tomoko Okubo, Fumiko Nagai, Keiko Ushiyama, Takako Seto, Kanako Satoh and Itsu Kano
- P XVII B.35 Detection of bioantimutagens with *E. coli* K12 and *S. cerevisiae* assay systems
Jelena Knezevic-Vukcevic, Branka Vukovic-Gacic, Dragana Mitic, Giorgio Bronzetti and Draga Simic
- P XVII B.36 Chemopreventive effects of Thai medicinal plants on formation of azoxymethane-induced DNA adducts and aberrant crypt foci in the rat colon
Takemi Kinouchi, Ratchada Suaeyun, Teera Chewonarin, Yaowarate Intiyot, Hideki Arimochi, Keiko Kataoka, Shigeru Akimoto, Usanee Vinitketkumnuen and Yoshinari Ohnishi
- P XVII B.37 Mutagen-modifying effects of beta-carotene *in vivo*
Andrey Durnev, Larisa Tjurina, Nataliya Guseva, Andrey Oreshchenko and Sergei Seredenin
- P XVII B.38 Antigenotoxicity of coffee in somatic cells of *Drosophila melanogaster*
Ulrich Graf and Suresh K. Abraham
- P XVII B.39 Why dose catechins inhibit the mutagenesis?
Hideyuki Furukawa and Junko Ebata
- P XVII B.40 Anticlastogenesis in cells of patients from the groups of genetic risk
Rouben Arutyunyan and Tamara Sarkisian
- P XVII B.41 Experiment designing for rapid assessment of the role of an antimutagen
Zezen Zhao, D.G. Wen, L.Z. Wei and H.Y. Zhi
- P XVII B.42 Beta-glucans as antimutagens
Darina Chorvatovicova, Jozef Sandula and Eva Machova
- P XVII B.43 Effects of citrus fruits on the mutagenicity of 1-methyl-1,2,3,4-tetrahydro- β -carboline-3 carboxylic acid treated with nitrite in the presence of ethanol
Minoru Higashimoto, Hirokuni Yamato, Takemi Kinouchi and Yoshinari Ohnishi
- P XVII B.44 Antimutagenic activity of *Salvia officinalis* extracts against UV induced mutations in *E. coli* strains
Metka Filipic and Dea Baricevic

P XVII B.45

Prevention of oxidative DNA damage by Brussels sprouts in rats
Xin-sheng Deng, Jingsheng Tou, Henrik E. Poulsen and Steffen Loft

P XVII B.46

Antimutagenic effects of centchroman- a contraceptive and a candidate drug for breast cancer in multiple test systems
A.K. Giri and G. Sengupta



LIST OF
PARTICIPANTS

*LISTE DES
PARTICIPANTS*

LISTE DES PARTICIPANTS/LIST OF PARTICIPANTS

<p>AALTONEN L.A. University of Helsinki Helsinki FINLAND Fax: + 358 0434 6677 Email: lauri.aaltonen@helsinki.fi</p>	<p>AARDEMA Marilyn Procter & Gamble Co. Cincinnati USA Fax: + 1 513 627 0002 Email: aardema.mj@pg.com</p>	<p>AARON Sid Pharmacia & Upjohn, Inc Kalamazoo USA Fax: + 1 616 833 99722 Email: sid.aaron@am.pnv.com</p>	<p>ABBONDANDOLO Angelo IST Genova ITALY Fax: + 39 10 56 00992 Email: abbondan@hp380.ist.unige.it</p>
<p>ABOUSSEKHRA Abdelilah ETH Zurich SWITZERLAND Fax: + 41 1 633 10 69 Email: abdou@Cell.biol.ethz.ch</p>	<p>ABRAHAMS Peter Leiden University Leiden THE NETHERLANDS Fax: + 31 71 527 6284 Email: abrahams@rullfz.medfac.leidenuniv.nl</p>	<p>ABRAMSSON-ZETTEBERG Lillianne Uppsala University Uppsala SWEDEN Fax: + 46 18 672 705 Email: lillianne.abramsson-zetteberg@genetik.uu.se</p>	<p>ABRIL Nieves Dept Bioquímica y Biología Molecular Cordoba SPAIN Fax: + 34 57 21 86 88 Email: bb2.abdim@uco.es</p>
<p>ABU-BAKER Aida School of Biomedical Sciences Coleraine UNITED KINGDOM Fax: + 44 1265 324965 Email: Aida.abu.baker.@ulst.ac.uk</p>	<p>ADLER Ilse Dore GSF-Institute of Mammalian Genetics Neuherberg GERMANY Fax: + 49 89 3187 2210 Email: adler@gsf.de</p>	<p>AGAPAKIS-CAUSSE Catherine L'Oréal Recherche Aulnay sous Bois FRANCE Fax: + 33 1 48 68 97 06</p>	<p>AGURELL Eva Astra AB Sodertalje SWEDEN Fax: + 46 8 553 288 23 Email: eva.agurell@astra.se.astra.com</p>
<p>ALAPETITE Claire Institut Curie Paris FRANCE Fax: + 33 1 44 32 46 16 Email: claire.alapetite@curie.fr</p>	<p>ALBERTINI Silvio F. Hoffmann-La Roche AG Basel SWITZERLAND Fax: + 41 61 688 9155 Email: silvio.albertini@roche.com</p>	<p>ALBERTINI Richard University of Vermont Burlington USA Fax: + 1 802 656 8333 Email: ralberti@zoo.uvm.edu</p>	<p>ALEXANDRE Stéphanie Université de Metz Metz FRANCE Fax: + 33 3 87 75 81 89</p>
<p>ALMOUZNI Geneviève Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: almouzni@curie.fr</p>	<p>AMBROSE Mark Latrobe University Melbourne AUSTRALIA Fax: + 613 9479 1222 Email: m.cma@lore.latrobe.edu.au</p>	<p>AMMENHEUSER Marinel M. University of Texas Galveston USA Fax: + 1 409 772 9108 Email: marinel.ammenheuser@utmb.edu</p>	<p>AMTOFT Henrik Institute of Environmental and Occupational Medicine Arhus DENMARK Email: amtft@biobase.dk</p>
<p>ANDERSON Rhona Medical Research Council Didcot UNITED KINGDOM Fax: + 44 1235 834 776 Email: v.anderson@hav.mvc.ac.uk</p>	<p>ANDRE Véronique Université de Caen Caen FRANCE Fax: + 33 2 31 56 60 20 Email: andre-v@baclesse.fr</p>	<p>ANUSZEWSKA Elzbieta Drug Institute Warsaw POLAND Fax: + 48 22 410 652</p>	<p>AQUILINA Gabriele Istituto Superiore di Sanita Roma ITALY Fax: + 39 6 499 02355 Email: aquilina@net.iss.it</p>
<p>ARAKI Akihiro Japan Bioassay Research Centre Hadano JAPAN Fax: + 81 463 823 860 Email: akiaraki@da2.so-net.or.jp</p>	<p>ARGELIA Castano CISA-INIA Madrid SPAIN Fax: + 34 1 620 2247</p>	<p>ARIMOTO-KOBAYASHI Sakae Okayama University Okayama JAPAN Fax: + 81 86 254 2129 Email: arimoto@ph2ews1.okayama-u.ac.jp</p>	<p>ASANAMI Shougo Naruto Research Institute Naruto Tokushima JAPAN Fax: + 81 886 8176 Email: asanamsy@otsukakj.co.jp</p>
<p>ASANO Norihide Nitto Denko Corporation Ibaraki, Osaka JAPAN Fax: + 81 726 21 0309 Email: asanonri@nitto.co.jp</p>	<p>ASHBY John ZENECA Cheshire UNITED KINGDOM Fax: + 44 1625 590 249</p>	<p>ATHWAL Raghbir FELS Inst., Temple University Philadelphia USA Fax: + 1 215 707 2789 Email: athwal@sgz1.fels.temple.edu</p>	<p>ATIENZAR Franck Plymouth UNITED KINGDOM Fax: + 44 1752 787 634 Email: fatienzar@plymouth.ac.uk</p>
<p>AU William University of Texas Medical Branch Galveston USA Fax: + 1 409 772 9108 Email: william.au@utmb.edu</p>	<p>AUJOLAT Michel Chrysalis L'Arbresle FRANCE Fax: + 33 4 74 01 63 99</p>	<p>AUTRUP Judith Aarhus Universiteit Risskov DENMARK Fax: + 45 86 176 290 Email: ha@mil.aau.dk</p>	<p>AUTRUP Herman Aarhus Universiteit Aarhus DENMARK Fax: + 45 89 42 29 70 Email: ha@mil.aau.dk</p>

<p>AVERBECK Dietrich Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: averbeck@curie.fr</p>	<p>AWTOCCIA Antonio Universita "Roma Tre" Roma ITALY Fax: + 39 6 4456 866 Email: tanzarella@axcasp.caspur.it</p>	<p>AZOU Yannick IBDM Marseille FRANCE Fax: + 33 4 91 82 06 82</p>	<p>BAAN Robert A. Tno Nutrition and Food Research Institute Zeist THE NETHERLANDS Fax: + 31 30 696 0264 Email: baan@voeding.tno.nl</p>
<p>BABUREK Ivan University of Praha Praha CZECH REPUBLIC Email: babureksite.cas.cz</p>	<p>BAILONE Adriana GEMC Orsay FRANCE Fax: + 33 1 69 86 36 25 Email: abailone@infobiogen.fr</p>	<p>BARALE Roberto Dipto Science dell Uomo e dell Ambiente Pisa ITALY Fax: + 39 551 290 Email: barale@hummet.unipi.it</p>	<p>BARRIEU Danièle Centre de Recherche SEITA Fleury les Aubrais FRANCE Fax: + 33 2 38 43 72 83</p>
<p>BASIC-ZANINOVIC Tamara Faculty of Food Technology and Biotechnology Zagreb CROATIA Fax: + 385 1 411 436 Email: tbasic@mapbf.pbf.cr</p>	<p>BAUMEISTER Manfred Biberach GERMANY Fax: + 49 7351 54 2174</p>	<p>BAUMGARTNER Adolf Gsf - Forschungszentrum Oberschleissheim GERMANY Fax: + 49 89 318 72210 Email: baumgart@gsf.de</p>	<p>BEAUBESTRE Claude Laboratoire d'Hygiène de la Ville de Paris Paris FRANCE Fax: + 33 1 44 97 87 55 Email: clbeaubestre@magic-fr</p>
<p>BEAUNE Philippe INSERM Paris FRANCE Fax: + 33 1 40 61 55 82 Email: pbeaune@citi2.fr</p>	<p>BEBENEK Anna Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 391 21 623 Email: amab@ibbrain.ibb.waw.pl</p>	<p>BEKAERT Corinne CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 55 65 07 Email: bekaert@cict.fr</p>	<p>BELIAEV Igor Stockolm University Stockolm SWEDEN Fax: + 46 8 16 64 88 Email: igor.belyaev@radbio.su.se</p>
<p>BELPAEME Kathy Vrije Universiteit Brussels Brussels BELGIUM Fax: + 32 262 93408 Email: mdboeck@vnet3.vub.ac.be</p>	<p>BENHAMOU Mathieu NOESIS Orsay FRANCE Fax: + 33 1 69 35 30 01</p>	<p>BENIGNI Romualdo Istituto Superiore di Sanita Lab. Tce Roma ITALY Fax: + 39 6 4938 71 39 Email: mut.iss.it</p>	<p>BENNEKER Wilma AKZO Nobel Oss THE NETHERLANDS Fax: + 31 426 469 131 Email: w.benneker@organon.akzonobel.nl</p>
<p>BENNING Véronique Rhône-Poulenc Rorer Recherche & Developpement Vitry sur Seine FRANCE Fax: + 33 1 55 71 81 29 Email: veronique.benning@rp.gr</p>	<p>BERGES Raymond INRA Dijon FRANCE Fax: + 33 3 80 63 32 32</p>	<p>BERND Diener Stockhausen Gmbh & Co KG Krefeld GERMANY Fax: + 49 2151 381 914</p>	<p>BERNERD Françoise L'Oréal Recherche Clichy FRANCE Fax: + 33 1 47 56 78 88</p>
<p>BERTENS Arma Notox B.V. Den Bosch THE NETHERLANDS Fax: + 31 736 418 543 Email: notox@lenoware</p>	<p>BERTRAM Heidi GSF - Forschungszentrum Neuherberg GERMANY Fax: + 49 89 318 73372 Email: bertram@gsf.de</p>	<p>BERTRAND Pascale CEA-FAR Fontenay aux Roses FRANCE Fax: + 33 1 46 54 91 80</p>	<p>BIANCHI Livia Istituto di Patologia Generale Pavia ITALY Fax: + 39 382 303 673 Email: l.bianchi@botta.unipv.it</p>
<p>BIARD Denis CEA-FAR Fontenay aux Roses FRANCE Fax: + 33 1 46 54 91 80 Email: biard@dsvide.cea.fr</p>	<p>BICHET Nicole Sanofi Recherche Montpellier Cedex 04 FRANCE Fax: + 33 4 67 10 62 04</p>	<p>BICKHAM John Texas A M University College Stations USA</p>	<p>BIGNAMI Marguerita Istituto Superiore Di Sanita Roma ITALY Email: bignami@net.iss.it</p>
<p>BINDERUP Mona-Lise National Food Agency of Denmark Soborg DANEMARK Fax: + 45 39 66 01 00 Email: mlb@ist.min.dk</p>	<p>BINKOVA Blanka LGE C/O Inst. of Exper. Medicine Prague CZECH REPUBLIC Fax: + 42 02 475 2785 Email: bbinkova@biomed.cas.cz</p>	<p>BJORGE Christine National Institute of Public Health Oslo NORWAY Fax: + 47 2204 2686 Email: mipt@sn.no</p>	<p>BLAKEY David Environmental Health Centre Ottawa CANADA Fax: + 1 613 941 4768 Email: David_Blakey@isdtcp3.hwc.ca</p>

<p>BLANCO Manuel Instituto Investigaciones Citologic Valencia SPAIN Fax: + 34 6 360 14 53</p>	<p>BOHR Wilhelm A. Laboratory of Molecular Genetics Baltimore USA Fax: + 1 410 558 8157</p>	<p>BOITEUX Serge CEA-FAR Fontenay aux Roses FRANCE Fax: + 33 1 46 54 91 80 Email: boiteux@davidf.cea.fr</p>	<p>BOL Sandra Nestle Lausanne SWITZERLAND Fax: + 41 217 858 553 Email: bol@chlsnr.nestrd.ch</p>
<p>BOLCSFOLDI Georges Astra AB Sodertalje SWEDEN Fax: + 46 8 553 288 23 Email: georges.bolcsfoldi@astra.se.astra.com</p>	<p>BOLOGNESI Claudia National Institute for Cancer Research Genoa ITALY Fax: + 39 10 3555 73 Email: blgclid@hp380.ist.unige.it</p>	<p>BONASSI Stefano Istituto Nazionale per la Ricerca sul Cancro Genova ITALY Fax: + 39 10 5600 501 Email: bonassi@hp380.ist.unige.it</p>	<p>BONNEFOI Marc Rhône-Poulenc Rorer Vitry sur Seine FRANCE Fax: + 33 1 55 71 81 64</p>
<p>BORBA Helena New University of Lisbon Lisboa PORTUGAL Fax: + 351 1 362 2018 Email: jose.rueff@gene.unl.mailpac.pt</p>	<p>BOUAYADI Khalil Centre de Biologie du Développement Toulouse Cedex 04 FRANCE Fax: + 33 5 61 55 65 07 Email: bouayadi@cict.fr</p>	<p>BOUDSOCQ François Institut Curie Orsay FRANCE Fax: + 33 1 69 86 31 25 Email: boudsocq@curie.u-psud.fr</p>	<p>BOULAY Eric Biogenic Maurin FRANCE Fax: + 33 4 67 27 93 56</p>
<p>BOWMAN Krista Stanford University Stanford USA Fax: + 1 415 725 1848 Email: Kbowman@leland.stanford.edu</p>	<p>BOZZATO Corinne CNRS - IPBS Toulouse FRANCE Fax : + 33 5 61 17 59 94</p>	<p>BRAULT Dominique Rhône-Poulenc Rorer Recherche & Développement Vitry sur Seine FRANCE Fax: + 33 1 55 71 81 29 Email: dominique.brault@rp.fr</p>	<p>BREGMAN David Albert Einstein College of Medicine New York USA Fax: + 1 718 430 8867 Email: bregman@aecom.yu.edu</p>
<p>BRENDLER SCHWAAB Susanne Toxicology, Bayer AG Wuppertal GERMANY Fax: + 49 202 364 345 Email: debayuz8@ibmmail.com</p>	<p>BRESSON Anne CNRS Illkirch FRANCE Fax: + 33 3 88 65 53 43 Email: roy@esbs.u-shasbg.fr</p>	<p>BROWN Karen University of Leicester Leicester UNITED KINGDOM Fax: + 44 116 252 5616</p>	<p>BRUNBORG Gunnar National Institute of Public Health Oslo NORWAY Fax: + 47 2204 2686 Email: mipt@sn.no</p>
<p>BRUSICK David Vienna USA Fax: + 1 703 759 0692 Email: djb@chv.com</p>	<p>BUREAU Jean-Paul Faculté de Médecine de Nimes Nimes FRANCE Fax: + 33 4 66 23 09 19</p>	<p>BURNS Philip University of Leeds Leeds UNITED KINGDOM Fax: + 44 113 233 3404 Email: pa.burns@leeds.ac.uk</p>	<p>BUTTERWORTH Byron CIIT Research Triangle Park USA Fax: + 1 919 558 1300 Email: butterworth@ciit.org</p>
<p>CABRAL-NETO Januario Cidade Universitaria Rio de Janeiro BRAZIL Fax: + 55 212 808 193 Email: cabral@ibccf.bief.ufrj.br</p>	<p>CABRERA Guillermo Queré Earo MEXICO Fax: + 52 12 61 56 Email: gcabrera@ciateg.mx</p>	<p>CACHOT Jérôme Ifremer Nantes FRANCE Fax: + 33 2 40 37 40 75 Email: jcachot@ifremer.fr</p>	<p>CADET Jean Laboratoire "Lésions des Acides Nucléiques" Grenoble FRANCE Fax: + 33 4 76 88 50 90 Email: cadet@drfmc.ceng.cea.fr</p>
<p>CALSOU Patrick CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: calsou@ipbs.fr</p>	<p>CANITROT Yvan CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: canitrot@ipbs.fr</p>	<p>CARRANO Anthony Livermore USA Fax: + 1 510 423 3110 Email: carrano@llnl.gov</p>	<p>CASCIANO Daniel National Center For Toxicological Research Jefferson USA Fax: + 1 501 543 7720 Email: dcasciano@nctr.fda.gov</p>
<p>CASSONI Francesca ARPA Parma ITALY Fax: + 39 521 381 239 Email: fcassonimail.arpa.emr.it</p>	<p>CAYROL-BAUDOIN Caroline Toulouse FRANCE Fax: + 33 5 62 88 98 54</p>	<p>CAZAUX Christophe CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: cazaux@ipbs.fr</p>	<p>CEBULSKA-WASILEWSKA Antonina Institut Of Nuclear Physics Cracow POLAND Fax: + 48 12 37 54 41 Email: wasilewska@vsbo1.ifj.edu.pl</p>

<p>CERNA Milena National Institute of Public Health Prague CZECH REPUBLIC Email: milena.cerna.@szu.cz</p>	<p>CHAGNON Marie-Christine ENSBANA Dijon FRANCE Fax: + 33 3 80 39 66 41 Email: mcchagn@u-bourgogne.fr</p>	<p>CHAVANNE Franz IBGE - CNR Pavia ITALY Fax: + 39 382 422 286 Email: chavanne@ipvgbe.igbe.pv.cnr.it</p>	<p>CHEN Hongwei Cancer Research Center Of Hawai'i Honolulu USA Fax: + 1 808 586 2970 Email: hongwei@crch.hawaii.edu</p>
<p>CHERRINGTON Tina Elsevier Science Amsterdam THE NETHERLANDS Fax: + 31 20 485 3342 Email: c.cherrington@elsevier.nl</p>	<p>CHETELAT Andree-Anne F. Hoffmann-La Roche AG Basel SWITZERLAND Fax: + 41 61 688 9155 Email: chetelat.andree-anne@voche.com</p>	<p>CHEVALIER Laure CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94</p>	<p>CHIKHI Lounes University of Ferrara Ferrara ITALY</p>
<p>CHLOPKIEWICZ Bozena Drug Institute Warsaw POLAND Fax: + 48 22 41 06 52 Email: chlopkie@il.waw.pl</p>	<p>CHORVATOVICOVA Darina Institute of Experimental Pharmacology Saso Bratislava SLOVAKIA Fax: + 42 17 375 928 Email: exfadaco@savba.sk</p>	<p>CHOVANCOVA Lenka Institute of Preventive and Clinical Medicine Bratislava SLOVAKIA Fax: + 42 17 373 906 Email: moltox@uptm.sanct.sk</p>	<p>CHROUST Karel Masaryk University Brno CZECH REPUBLIC Fax: + 420 5 412 11214 Email: chroust@sci.muni.cz</p>
<p>CHU Gilbert Stanford University Medical Center Standford, CA USA Fax: + 1 415 725 1420 Email: chu@cmgm.stanford.edu</p>	<p>CHU Ernest H. Y. University of Michigan Ann Arbor USA Fax: + 1 313 763 3784 Email: ernestch@umich.edu</p>	<p>CINELLI Serena RTC SpA Pomezia ITALY Fax: + 39 6 9109 5737</p>	<p>CLAUDE Jean-Roger Faculty of Pharmacy Paris FRANCE Fax: + 33 4 13 29 05 92</p>
<p>CLAY Philip Zeneca Central Toxicology Lab. Macclesfield UNITED KINGDOM Fax: + 44 1625 590 249 Email: phil.clay@apvxc.zeneca.com</p>	<p>CLEMENTS Julie Covance Laboratores Limited Harrogate UNITED KINGDOM Fax: + 44 123 500 803</p>	<p>CLONFERO Erminio Istituto Medicina Lavoro Padova ITALY Fax: + 39 498 216 621 Email: clonfero@uxl.unipd.it</p>	<p>COIC Eric Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: ecoic@curie.fr</p>
<p>COLE Jane Saffron Walden Essex UNITED KINGDOM Email: j.cole@sussex.ac.uk</p>	<p>COLUS Ilce M.S. Universidade Estadual de Londrinn Londrina (PR) BRAZIL Fax: + 55 43 371 4207 Email: colus@npd.ucl.pr</p>	<p>COMELLI Rodolfo Co Glaxo Wellcome Spa Verona ITALY Fax: + 39 45 921 8174 Email: rc0362@ggr.co.uk</p>	<p>CONNOR Thomas University of Texas Health Science Center Houston USA Fax: + 1 713 500 9221 Email: tconnor@utpsph.sph.uth.tmc.edu</p>
<p>CONSTABLE Anne Nestlé Research Centre Lausanne SWITZERLAND Fax: + 41 21 785 8553 Email: constable@chlsnr.nestrd.ch</p>	<p>CONSTANTINOU Angelos University Medical Centre Geneva 4 SWITZERLAND Fax: + 41 22 702 57 02 Email: constant@cmu.unige.ch</p>	<p>CONTRERAS Xavier CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94</p>	<p>COOK Peter Richard University of Oxford Oxford UNITED KINGDOM Fax: + 44 1865 275 501 Email: peter.cook@path.ox.ac.uk</p>
<p>COOPER Priscilla University of California Berkeley USA Email: Priscilla_Cooper@macmail.1b1.gov</p>	<p>COTELLE Sylvie Université de Metz - U.F.R. Scientifiques Metz FRANCE Fax: + 33 3 87 31 53 33</p>	<p>COURCELLE Justin Stanford University Stanford USA Fax: + 1 415 725 1848 Email: jcc@leland.stanford.edu</p>	<p>COURVALIN Catherine Ministère de l'Aménagement du Territoire et de l'Environnement Paris FRANCE Fax: + 33 1 42 19 17 71 Email: courvalin@environnement.gouv.fr</p>
<p>CREBELLI Riccardo Istituto Superiore di Sanita Rome ITALY Fax: 39 6 493 87139 Email: crebelli.at.net.iss.it</p>	<p>CREPPY Edmond E. Université Bordeaux 2 Bordeaux FRANCE Fax: + 33 5 56 98 66 85 Email: sec.tox@tox.u-bordeauxz.fr</p>	<p>CRESPO Jaime Novartis Pharma AG Basel SWITZERLAND Fax: + 41 61 324 15 23</p>	<p>CREUS Amadeu Fac. Ciencies UAB Bellaterra SPAIN Fax: + 34 3 581 2387 Email: rmd@cc.uab.es</p>

<p>CROSBIE Sarah Royal Postgraduate Medical School London UNITED KINGDOM Fax: + 44 181 383 2066 Email: scrosbie@rpms.ac.uk</p>	<p>CROWLEY David Stanford University Stanford USA Fax: + 1 415 725 1848 Email: dcrowley@leland.stanford.edu</p>	<p>CUNNINGHAM Michael NIEHS North Carolina USA Fax: + 1 919 541 46 32 Email: cunninggl@niehs.nih.gov</p>	<p>CZICH Andreas Cytotest Cell Research Gmbh & Co. Rossdorf GERMANY Fax: + 49 6154 833 99 Email: ccr.rcc@t-online.de</p>
<p>D'ERRICO Mariarosaria Istituto Superiore di Sanita Roma ITALY Fax: + 39 6 499 023 55 Email: dogliott@istean.interbusiness</p>	<p>D. MAGLIOLA Lina B.P.V.S. Cordoba ARGENTINA Fax: + 54 51 33 20 23</p>	<p>DA Wang Shanghai Institute of Cell Biology Shanghai CHINA Fax: + 86 643 31090</p>	<p>DAIMON Hirohiko Gifu JAPAN Fax: + 81 586 895 292 Email: hl-daimon@eisai.co.jp</p>
<p>DARDALHON Michèle Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: mdardal@curie.fr</p>	<p>DARROUDI Firouz Rijks Universiteit Leiden THE NETHERLANDS Fax: + 31 71 522 1615 Email: darroudi@arullf2.medfac.leidenuniv.nl</p>	<p>DAVIES Margaret Bibra International Carshalton, Surrey UNITED KINGDOM Fax: + 44 181 661 1029 Email: mdavies@bibra.co.uk</p>	<p>DAYA-GROSJEAN Leela CNRS Villejuif FRANCE Fax: + 33 1 49 58 34 43 Email: daya@infobiogen.fr</p>
<p>DE BOECK Marlies Vrije Universiteit Brussels Brussels BELGIUM Fax: + 32 262 93408 Email: mdboeck@vnet3.vub.ac.be</p>	<p>DE CARLI Luigi Universita di Pavia Pavia ITALY Fax: + 39 382 528 496 Email: decarli@ipvgen.unipv.it</p>	<p>DE FLORA Silvio University of Genoa Genoa ITALY Fax: + 39 10 353 8504 Email: sdf@unige.it</p>	<p>DE GROENE Els Utrecht University Utrecht THE NETHERLANDS Fax: + 31 30 253 5077 Email: edegroene@vfft.dgk.ruu.nl</p>
<p>DE GRUIJL Franck University Hospital Utrecht Utrecht THE NETHERLANDS Fax: + 31 3025 05404 Email: M.Huisman@digd.azu.nl</p>	<p>DE JOUFFREY Stéphane Centre International de Toxicologie Evreux FRANCE Fax: + 33 2 32 67 87 05</p>	<p>DE LA ROCHE ST ANDRE Christophe IBDM Marseille FRANCE Fax: + 33 4 91 82 06 82</p>	<p>DE MEO Michel Faculté de Pharmacie Marseille FRANCE Fax: + 33 4 91 80 26 12 Email: Michel.Demeo@pharmacie.univ.mrs.fr</p>
<p>DE MURCIA Gilbert CNRS - ESBS Illkirch FRANCE Fax: + 33 3 88 65 53 43</p>	<p>DE OLIVEIRA CECCHI Andréa Faculdade de Medicina Ribeirao Preto BRAZIL Fax: + 55 166 330 069 Email: acecchi@spider.usp.br</p>	<p>DE ROUBIN Marie-Renée Maisons Lafitte FRANCE Fax: + 33 1 34 93 31 11</p>	<p>DE VILLARTAY Jean-Pierre INSERM Paris FRANCE Fax: + 33 1 42 73 06 40 Email: devillar@infobiogen.fr</p>
<p>DE VISSCHER Geoffrey Vrije Universiteit Brussel Brussels BELGIUM Fax: + 32 262 93408 Email: mdboeck@vnet3.vub.ac.be</p>	<p>DEAN Stephen Covance Laboratories Ltd Harrogate UNITED KINGDOM Fax: + 44 1423 569 595 Email: sdean@hazle.co.uk</p>	<p>DEBRAUWERE Hélène Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 38 Email: helene@curie.fr</p>	<p>DECHARIAUX Huguette Sanofi Recherche Montpellier FRANCE Fax: + 33 4 67 10 62 04</p>
<p>DEFAIS Martine CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: defais@ipbs.fr</p>	<p>DEGRASSI Francesca Centro Genetica Evoluzionistica Rome ITALY Fax: + 39 6 4457 529 Email: degrassi@axcasp.caspur.it</p>	<p>DEKNUDT Ghislain Janssen Pharmaceutica N.V. Beerse BELGIUM Fax: + 32 14 605 150</p>	<p>DEL BINO Goffredo European Commission Bruxelles BELGIUM Fax: + 32 2 299 57 55 Email: goffredo.del.bino@dg12.ac.be</p>
<p>DELEAU Bruno NOESIS Orsay FRANCE Fax: + 33 1 69 35 30 01</p>	<p>DEMEILLIERS Christine CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94</p>	<p>DEMPLE Bruce Harvard School of Public Health Boston USA Fax: + 1 617 432 2590 Email: demple@mbcrr.harvard.edu</p>	<p>DENADAI Roberta Botucatu-SP BRAZIL Fax: + 55 148 212 348</p>

<p>DENISSENKO Mikhail Beckman Research Institute Duarte USA Fax: + 1 818 358 7703 Email: mdenisse@smtplink.coh.org</p>	<p>DEPARADE Eckhard Novartis Produkte AG Basel SWITZERLAND Fax: + 41 61 697 22 78</p>	<p>DESCOTES Gérard SERVIER Courbevoie FRANCE Fax: + 33 1 46 41 74 62 Email: descotes@servier.fr</p>	<p>DEVAUX Alain INRA Rennes FRANCE Fax: + 33 2 99 28 52 56 Email: devaux@tequila.entpe.fr</p>
<p>DEVORET Raymond GEMC Orsay FRANCE Fax: + 33 1 69 07 28 48 Email: devoret@infobiogen.fr</p>	<p>DIAZ POHL Cecilia Astra AB Sodertalje SWEDEN Fax: + 46 8 553 288 23 Email: cecilia.diaz-polh@astra.se.astra.com</p>	<p>DINH Barbara Faculty of Pharmacy Toulouse FRANCE</p>	<p>DIRHEIMER Guy CNRS - IBMC Strasbourg FRANCE Fax: + 33 3 88 60 22 18 Email: dirheim@astorg.u.sfrabg.fr</p>
<p>DOGLIOTTI Eugenia Istituto Superiore di Sanita Roma ITALY Fax: + 39 6 4990 2355 Email: dogliott@net.iss.it</p>	<p>DOOLITTLE Mr. R J Reynolds Tobacco CO Winston Salem USA</p>	<p>DOUGLAS Georges R. Health Canada Ontario CANADA Fax: + 1 613 941 4768 Email: gdouglas@hpb.hix.ca</p>	<p>DOWNES Stephen University of Ulster Coleraine UNITED KINGDOM Fax: + 44 1265 324 965 Email: cs.downes@util.ac.uk</p>
<p>DROBETSKY Elliot Hôpital Maisonneuve-Rosemont Montréal CANADA Fax: + 1 515 252 3430 Email: drobese@ERE.UMontreal.CA</p>	<p>DUARTE SILVA Isabel New University of Lisbon Lisbon PORTUGAL Fax: + 351 1 362 2018 Email: jose.rueff.@geneunl.mailpac.pt</p>	<p>DUCAU Judith IBDM Marseille FRANCE Fax: + 33 4 91 82 06 82 Email: ducau@ibdm.univ.mrs.fr</p>	<p>DUMENIL Gérard Faculty of Pharmacy Marseille FRANCE Fax: + 33 4 91 80 26 12</p>
<p>DUNN Alison MRC Harwell Didcot UNITED KINGDOM Fax: + 44 1235 834 776 Email: a.dunn@har.mrc.ac.uk</p>	<p>DURAND Marie-José Université de Metz Metz FRANCE Fax: + 33 3 87 75 81 89</p>	<p>DUTREIX Marie Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 38 Email: marie.dutreix@curie.fr</p>	<p>DUTRILLAUX Bernard CEA-FAR Fontenay aux Roses FRANCE Fax: + 33 1 46 54 91 80</p>
<p>DYBDAHL Marianne National Institute of Occupational Health Copenhagen DENMARK Fax: + 45 39 29 01 07 Email: md@ami.dk</p>	<p>E. DURAND Ralph B. C. Cancer Research Centre Vancouver CANADA Fax: + 1 604 877 6002 Email: rdyabd@bccabcer.bc.ca</p>	<p>EASTMOND David University of California, Riverside Riverside USA Fax: + 1 909 787 3087 Email: eastmond@ucr.ucr.edu</p>	<p>EBATA Junko Jef Vegetable Research Institute Tondabayashi JAPAN Fax: + 81 721 29 6961</p>
<p>ECKERT Claudia DKFZ, German Cancer Research Center Heidelberg GERMANY Fax: + 49 6221 423 359 Email: c.eckert@dkfz.heidelberg.de</p>	<p>ECKL Peter Institute of Genetics and General Biology Salzburg AUSTRIA Fax: + 43 662 8044(144) Email: ageckl@mh.sbg.ac.at</p>	<p>EDER Erwin Department of Toxicology Wurzburg GERMANY Fax: + 49 931 201 3446 Email: eder@toxi.uni-wuerzburg.de</p>	<p>EGLY J.M. IGBMC Illkirch FRANCE Fax: + 33 3 88 65 32 01 Email: egly@igbmc.u-strasbg.fr</p>
<p>EICHENLAUB-RITER Ursula Universität Bielefeld Bielefeld GERMANY Fax: + 49 521 106 6015</p>	<p>ELDER Rhoderick Christie Hospital Trust Manchester UNITED KINGDOM Fax: + 44 161 446 3109 Email: carrhe@picr.cr.man.ac.uk</p>	<p>ELESPURU Rosalie CDRH, Molecular Biology Branch Rockville USA Fax: + 1 301 594 6775 Email: rke@cdrh.fda.gov</p>	<p>ELHAJOUJI Azeddine Vrije Universiteit Brussel Brussels BELGIUM Fax: + 32 262 93408 Email: aelhajou@vnet3.vub.ac.be</p>
<p>ELIAS Zoé Institut National de Recherche et de Sécurité Vandoeuvre FRANCE Fax: + 33 3 83 50 20 97 Email: rousssel@inrs.fr</p>	<p>ELLAHUENE Manuel Laboratory Gienet Toxicologica Santiago CHILIE Fax: + 56 2 737 8920 Email: pperez@genes.bio.puc.cl</p>	<p>ELLIOTT Barry Zeneca Ltd. Macclesfield UNITED KINGDOM Fax: + 44 162 559 0249 Email: Barry.Elliott@Aavxc1.zeneca.com</p>	<p>ELMORE Eugène University of California Trabuco Cynt USA Fax: + 1 714 824 3566 Email: celmore@uci.edu</p>

<p>ENDO Osamu National Institute of Public Health Tokyo JAPAN Fax: + 81 3 3446 7165 Email: endo@iph.go.jp</p>	<p>ENSLEIN Kurt HDI Rochester USA Fax: + 1 716 546 8411</p>	<p>EPE Bernd University of Mainz Mainz GERMANY Fax: + 49 6131 395 521 Email: epe@goofy.zdv.uni-mainz.de</p>	<p>ERBES Monika WFM Gmbh Mainz GERMANY Fax: + 49 6131 126 693</p>
<p>ERIXON Klaus Stockholm University Stockholm SWEDEN Fax: + 46 8 612 4004 Email: erixon@genetics.su.se</p>	<p>ESCARCELLE Monica Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: mescar@curie.fr</p>	<p>EVANS Helen Case Western Reserve University Cleveland USA Fax: + 1 216 368 1142 Email: bhe@po.cwru.edu</p>	<p>FABRE Francis Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: fabre@curie.fr</p>
<p>FABRY Radoslav Institute of Clinical and Preventive Medicine Bratislava SLOVAK REPUBLIC Fax: + 42 1737 3906 Email: moltox@uptm.sanct.sk</p>	<p>FARMER Peter University of Leicester Leicester UNITED KINGDOM Fax: + 44 116 252 5616 Email: pbf1@le.ac.uk</p>	<p>FAVOR Jack GSF - Institute of Mammalian Genetics Neuherberg GERMANY Fax: + 49 89 3187 3099 Email: favor@gsf.de</p>	<p>FELTON James Lawrence Livermore National Laboratory Livermore USA Fax: + 1 510 422 2282 Email: felton1@llnl.gov</p>
<p>FELZENSWALB Israel Universidade do Estado do Rio do Janeiro Rio de Janeiro BRAZIL Fax: + 55 2158 76530 Email: felzen@verj.br</p>	<p>FENECH Michael Csiro Division Of Human Nutrition Adelaide AUSTRALIA Fax: + 43 618 8303 8899 Email: michael.fenech@dmn.csiro.au</p>	<p>FERARD Jean-François Université de Metz - U.F.R. Scientifiques Metz FRANCE Fax: + 33 3 87 31 53 33</p>	<p>FERGUSON Lynnette University of Auckland Med. School Auckland NEW ZEALAND Fax: + 64 9 373 7502</p>
<p>FIJALKOWSKA Iwona Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: iwonaf@ibbrain.ibb.waw.pl</p>	<p>FIKUS Marta Institute of Biochemistry and Biophysics PAS Warsaw POLAND Fax: + 48 39 12 16 23 Email: kaktus@ibbrain.ibb.waw.pl</p>	<p>FILIPIC Metka National Institute of Biology Ljubljana SLOVENIA Fax: + 386 61 2735 94 Email: melto.filipic@ijs.si</p>	<p>FLIEGER Angelika Institut für Arbeitsphysiologie ander Universität Dortmund Dortmund GERMANY Fax: + 49 231 1084 403 Email: flieger@arb-phys.uni-dortmund.de</p>
<p>FLYGARE Jenny Karolinska Institute Huddinge SWEDEN Fax: + 468 608 1501 Email: jenny.flygare@cnt.ki.se</p>	<p>FORICHON André Chrysalis L'Arbresle FRANCE Fax: + 33 4 74 01 63 99</p>	<p>FORMAN David Centre for Cancer Research Leeds UNITED KINGDOM Fax: + 44 113 292 4198 Email: df@yco.leeds.ac.uk</p>	<p>FORST Muriel Université de Liège Liège BELGIUM Email: muriel.forst@ulg.ac.be</p>
<p>FOUSTERI Maria I. Sussex University Brighton UNITED KINGDOM Fax: + 44 1273 678 121 Email: ghfx2@sussex.ac.uk</p>	<p>FRANKENBERG-SCHWAGER Marlis Universitaet Goettingen Goettingen GERMANY Fax: + 49 551 396153 Email: dfrank@med.uni-goettingen.de</p>	<p>FRANKLIN William Albert Einstein College of Medicine of Yeshiva University New York USA Fax: + 1 718 430 4039 Email: franklin@aecm.yu.edu</p>	<p>FRECHET Mathilde CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94</p>
<p>FREI Hansjorg University of Zurich Schwerzenbach SWITZERLAND Fax: + 41 182 50476 Email: frei@toxi.biol.ethz.ch</p>	<p>FRIT Philippe CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: frit@ipbs.fr</p>	<p>FROES Nivea S.J. do Rio Preto BRAZIL Fax: + 55 17 224 8692 Email: nfroes@bot.ibilce.unesp.br</p>	<p>FRONZA Gilberto National Institute for Research on Cancer Genova ITALY Fax: + 39 10 5600 992 Email: fronzagi@ist.unige.it</p>
<p>FROSINA Guido Istituto Nazionale Ricerca Cancro Genova ITALY Fax: + 39 10 560 0992 Email: gfrosina@hp380.ist.unige.it</p>	<p>FUKUDA Hirokazu National Cancer Center Research Institute Tokyo JAPAN Fax: + 81 3 5565 1753 Email: hfukuda@gan2.ncc.go.jp</p>	<p>FURIHATA Chie University of Tokyo Tokyo JAPAN Fax: + 81 354 495 423 Email: furi@ims.u-tokyo.ac.jp</p>	<p>GA'BELOVA' Alena Cancer Research Institute Bratislava SLOVAK REPUBLIC Fax: + 42 17 5214 606 Email: alenag@veo2.savba.sk</p>

GABBANI Gigiola Istituto Medicina Lavoro Padova ITALY Fax: + 39 498 216 621 Email: clonfero@uxl.unipd.it	GALLOWAY Sheila Merck Research Laboratories West Point USA Fax: + 1 215 652 7758 Email: sheila_galloway@Merck.Com	GANESAN Ann Stanford University Stanford USA Fax: + 1 415 725 1848 Email: anngan@leland.stanford.edu	GANGLOFF Serge Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21
GARCIA GARAYOA Elisa Novartis Pharma AG Basel SWITZERLAND Fax: + 41 61 324 15 23	GARGANTA Fatima ABF Munchen Munchen GERMANY Fax: + 49 89 532 039 Email: 101356.2742@compuserve.com	GARNER R. Colin Jbuec York UNITED KINGDOM Fax: + 44 190 442 3954 Email: jmd4@york.ac.uk	GASPAR Jorge New University Lisbon Lisbon PORTUGAL Fax: + 351 1 362 2018 Email: jose.rueff@gene.unl.mailpapt
GAUDUCHON Pascal Université de Caen - Faculté de Médecine Caen FRANCE Fax: + 33 2 31 06 82 05 Email: gauduc-p@baclesse.fr	GELEYSNS Karen Vrije Universiteit Brussel Brussels BELGIUM Fax: + 32 262 93408 Email: mdboeck@vnet3.vub.ac.be	GENTILE Glenda Hope College Holland, Michigan USA Fax: + 1 616 395 7923 Email: ggentile@hope.edu	GENTILE James Hope College Holland, Michigan USA Fax: + 1 616 395 7923 Email: gentile@hope.edu
GEORGIADIS Panagiotis National Hellenic Research Foundation Athens GREECE Fax: + 30 172 340 08 Email: panosg@eie.gr	GERMAIN François NOESIS Orsay FRANCE Fax: + 33 1 69 35 30 01	GERMANIER Maryse CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: germanier@ipbs.fr	GIBSON David Procter & Gamble Company Cincinnati USA Fax: + 513 627 1087 Email: gibsondp@pg.com
GIPHART-GASSLER Micheline Dept. of Radiation Genetics Leiden THE NETHERLANDS Fax: + 31 71 522 1615 Email: giphart@rullez.leidenuniv.nl	GIRARD Pierre-Marie CEA-FAR Fontenay aux Roses FRANCE Fax: + 33 1 46 54 91 80 Email: girard@davidf.cea.fr	GLAAB Warren NIEHS RTP USA Fax: + 1 919 541 7613 Email: glaab@niehs.nih.gov	GLICKMAN Barry Wayne University of Victoria Victoria CANADA Fax: + 1 250 472 4067 Email: bwglick@uvic.ca
GLOMOT Rémi Paris FRANCE Fax: + 33 1 46 33 18 67	GOCKE Elmar F. Hoffmann-La Roche AG Basel SWITZERLAND Fax: + 41 61 688 9155 Email: elmar.gocke@roche.com	GODARD Thierry CNEVA Fougères FRANCE Fax: + 33 2 99 94 78 99 Email: vafozo@calvacom.fr	GOLLAPUDI B. Toxicology Research Institute Midland USA Fax: + 1 517 638 9863
GONSEBATT B. Marir Institut Inv. Biomedicas Mexico MEXICO Fax: + 52 555 00048 Email: margen@servidor.unam.mx	GOODERHAM Nigel Royal Postgraduate Medical School London UNITED KINGDOM Fax: + 44 181 383 2066 Email: ngooderh@rpms.ac.uk	GOPINATH P.M. University of Madras Madras INDIA Fax: + 91 44 49 26 709	GORELICK Nancy Procter Gamble Cincinnati USA Fax: + 1 513 627 5182 Email: gorelickj@pg.com
GOTO Sumio National Institute of Public Health Tokyo JAPAN Fax: + 81 3 3446 7165	GRAF Ulrich University of Zurich Schwerzenbach SWITZERLAND Fax: + 41 182 50476 Email: graf@toxi.bid.ethz.ch	GRAWE Jan University of Stockholm Stockholm SWEDEN Fax: + 46 8 612 4004 Email: jan.grawe@genetics.su.se	GRAZIEWICZ Maria-anna Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: misia@ibbrain.ibb.waw.pl
GREEN Michael H L Sussex University Brighton UNITED KINGDOM Fax: + 44 127 367 8121 Email: m.h.l.green@sussex.ac.uk	GREEN Adele Queensland Institute of Medical Research Brisbane AUSTRALIA Fax: + 61 1 3362 0101 Email: adeleG@qimr.edu.au	GREWE Markus Medizinische Einrichtungen Düsseldorf GERMANY Fax: + 49 211 81 17316	GRIGG Geoff Lane Cove AUSTRALIA Fax: + 61 2 941 870 90

<p>GRIGOROVA Mira Leiden University Leiden THE NETHERLANDS Fax: + 31 71 522 1615 Email: prakash@rulf2.medfac.leiden.univ.nl</p>	<p>GRUBER Beata Drug Institute Harsah POLAND Fax: + 48 224 10652</p>	<p>GRUMMT Hans-Jürgen Bad Elster GERMANY Fax: + 49 37437 76219</p>	<p>GRZESIUK Elzbieta Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: elag@ibbrain.ibb.waw.pl</p>
<p>GUENGERICH F. Peter Vanderbilt University Nashville USA Fax: + 1 615 322 3141 Email: guengerich@toxicology.mc.vanderbilt.edu</p>	<p>GUILLOUF Christel Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: guillouf@curie.fr</p>	<p>GUTTENPLAN Joseph New York University Dental School New York USA Fax: + 1 212 995 4087 Email: guttnpln@is2.nyn.edu</p>	<p>GUYOT Marie-Caroline Laboratoire d'Hygiène de la Ville de Paris Paris FRANCE Fax: + 33 1 44 97 87 55</p>
<p>HALAS Agnieszka Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: aga214@ibbrain.ibb.waw.pl</p>	<p>HANAWALT Philip Stanford University Palo Alto USA Fax: + 1 415 725 1848 Email: hanawalt@leland.stanford.edu</p>	<p>HARRIS Curtis Lab of Human Carcinogenesis Bethesda USA Fax: + 1 301 496 0497 Email: curtis-harris@nci.nih.gov</p>	<p>HAUG Terje Unigen Center for Molecular Biology Trondheim NORVEGE Fax: + 47 73 59 87 05 Email: terje.haug@unigen.unit.no</p>
<p>HAUGEN Aage National Institute of Occupational Health Oslo NORWAY Fax: + 47 2319 5203 Email: age.haugen@stami.no</p>	<p>HAUSPIE Inge Vrije Universiteit Brussel Brussels BELGIUM Fax: + 32 262 93408 Email: mdboeck@vnet3.vub.ac.be</p>	<p>HAYASHI Makoto National Institute of Health Sciences Tokyo JAPAN Fax: + 81 3 3700 2348 Email: hayashi@nihs.go.jp</p>	<p>HAYATSU Hikoya Okayama University Okayama JAPAN Fax: + 81 86 254 2129 Email: hayatsu@ph2ews1.okayama-u.ac.jp</p>
<p>HEIDENREICH Erich Institute of Tumor Biology Cancer Research Vienna AUSTRIA Fax: + 43 140 60790 Email: erich.heidenreich@univie.ac.at</p>	<p>HEINONEN Tuula Orion Corporation - Orion Pharma Espoo FINLAND Fax: + 358 9 4292 924</p>	<p>HELLEDAY Thomas Stockholm University Stockholm SWEDEN Fax: + 46 8 612 4004 Email: helleday@genetics.su.se</p>	<p>HELLMER Lena Sodertalje SWEDEN Fax: + 46 8 553 288 23 Email: lena.hellmer@astra.se.astra.com</p>
<p>HEMMINKI Kari Karolinska Institute Huddinge SWEDEN Fax: + 46 8 608 1501 Email: kari.hemminki@csb.ki.se</p>	<p>HENDERSON Leigh Unilever Research Bedfordshire UNITED KINGDOM Fax: + 44 1234 222 122 Email: leigh.henderson@unilever.com</p>	<p>HENDRICKX Bernard CRIT/Carrières Saint-Fons Cedex FRANCE Fax: + 33 4 72 93 67 82</p>	<p>HERBERT Paul University of Guelph Ontario CANADA Fax: + 1 202 331 0111</p>
<p>HERNANDEZ Tina International Agency Of Cancer Research Lyon FRANCE Fax: + 33 4 72 73 85 75 Email: hernandez@iarc.fr</p>	<p>HERRLICH Peter Institut für Genetik Karlsruhe GERMANY Fax: + 49 7247 823 354 Email: genetik@igen.fzk.de</p>	<p>HERTZOG SANTOS Janine Porto Alegre BRAZIL Fax: + 55 513 192 011 Email: nine@ifn.if.ufrgs.br</p>	<p>HIGASHIMOTO Minoru Tokushima Bunri University Tokushima-Shi JAPAN Fax: + 88 886 55 3051</p>
<p>HIRAMOTO Kazuyuki Tokyo University of Pharmacy and Life Science Hachioji, Tokyo JAPAN Fax: + 81 426 764 514 Email: hiramoto@ps.toyaku.ac.jp</p>	<p>HIRAYAMA Teruhisa Kyoto JAPAN Fax: + 81 75 595 4769 Email: hirayama@mb.kyoto-phu.ac.jp</p>	<p>HIROKUYI Hayashi Yokohama JAPAN Fax: + 81 45 543 9771 Email: hayashi@kw.netlaputa.or.jp</p>	<p>HISAMATSU Yoshiharu National Institute of Public Health Tokyo JAPAN Fax: + 81 3 3446 4314 Email: hisa@iph.go.jp</p>
<p>HODEL Christian Hovot Pharma Lousutting Basel SWITZERLAND Fax: + 41 61 482 14 40</p>	<p>HOEIJMAKERS Jan Institute of Genetics Rotterdam THE NETHERLANDS Fax: + 31 10 436 0225 Email: hoeijmakers@gen.fgg.eur.nl</p>	<p>HOELLINGER Henri Ministère de l'Enseignement Supérieur et de Recherche Paris FRANCE Fax: + 33 1 46 34 46 98 Email: henri.hoellinger@mars.fr</p>	<p>HOFFMANN Jean-Sébastien CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: jscb@ipbs.fr</p>

HOFNUNG Maurice Institut Pasteur Paris FRANCE Fax: + 33 1 45 68 88 34 Email: mhofnung@pasteur.fr	HOLLAND Nina Berkeley USA Fax: + 1 510 642 5815 Email: ninah@unlink4.berkeley.edu	HOLLIDAY Robin CSIRO - Division Biomolecular Engineering Sydney AUSTRALIA Fax: + 61 2 9490 5005 Email: thu@pelican.debe.csiro.an	HOLME Jorn Nationale Institute of Public Health Oslo NORWAY Fax: + 47 2204 2686 Email: mipt@sn.no
HOLMQUIST Gérald City Of Hope Medical Center Biology Duarte USA Fax: + 1 818 358 7703 Email: gholm@smtplink.coh.org	HONGSLO Jan K. National Institute of Public Health Oslo NORWAY Fax: + 47 2204 2686 Email: mipt@sn.no	HOOGENBOOM Laurentins Rikilt-Dlo Wageningen THE NETHERLANDS Fax: + 31 317 417 717 Email: l.a.p.hoogenboom@rikilt.dlo.nl	HORNBERG Claudia Medical Institute of Environmental Hygiene Dusseldorf GERMANY Fax: + 49 211 3389 331 Email: thiesmejev@cwv.de
HOSS Matthias Imperial Cancer Research Fund South Mimms UNITED KINGDOM Fax: + 44 171 269 3801 Email: M.Hoss@icrf.icnet.uk	HSIE Abraham University of Texas Medical Branch Galveston USA Fax: + 1 409 772 9108 Email: sandra.rood@utmb.edu	HUICI MONTAGUD Alicia Institut Nacional Seguridad Barcelona SPAIN Fax: + 34 3 280 3642 Email: cnct@insht.es	HUSGAFVEL - PURSIAINEN Kirsti Finnish Institute of Occupational Health Helsinki FINLAND Fax: + 358 94747208 Email: kirsti.husgafvelpursiainen@occuphealth.fi
HUYNH Céline Grigny FRANCE	IKUSHIMA Takaji Kyoto University of Education Kyoto JAPAN Fax: + 81 75 645 1734 Email: ikushima@wsml.kyokyo-u.ac.jp	IOANNIDES Costas University of Surrey Guildford UNITED KINGDOM Fax: + 44 148 330 0374 Email: c.ioannides@surrey.ac.uk	ISIDORI Marina Universita di Napoli Caserta ITALY Fax: + 39 823 275 219 Email: muselli@chemna.dichi.uniwa.it
ISNARD Joelle CNRS Villejuif FRANCE Fax: + 33 1 49 58 34 43 Email: jisnard@infobiogen.fr	IVANCHUK Igor I. Siberian Medical University Tomsk-50 RUSSIA Fax: + 357 3822 233 309	IVANOVA Natalia V. Siberian Medical Center Tomsk-50 RUSSIA Fax: + 357 3822 233 309	JACKSON Aimée University of Washington Seattle USA Fax: + 1 206 543 3967 Email: ajackson@u.washington.edu
JACOBS Abigail HFD Rockville USA Fax: + 1 301 827 2075 Email: jacobsa@cder.FDA.gov	JANIK-SPIECHOWICZ Ewa Instytut Medycyny Pracy Lodz POLAND Fax: + 48 42 314 610 Email: ksitarek@porta.imp.lodz.pl	JANION Celina Institute of Biochemistry And Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: celina@ibbrain.lbb.waw.pl	JANSSEN Kai University of Mainz Mainz GERMANY Fax: + 49 6131 230 506
JANZOWSKI Christine University Of Kaiserslautern Kaiserslautern GERMANY Fax: + 49 631 205 3085 Email: janzo@rhrk.uni-kl.de	JASNA Franekic Faculty of Food Technology & Biotechnology Zagreb CROATIA Fax: + 38 5141 1436	JEGGO Penny A. MRC Cell Mutation Unit Brighton UNITED KINGDOM Fax: + 44 1273 678 121 Email: pa.jeggo@sussex.ac.uk	JENKINS Gareth University of Wales Swansea Swansea UNITED KINGDOM Fax: + 44 1792 2954 47 Email: bajenkin@swansea.ac.uk
JHA Awadhesh University of Plymouth Plymouth UNITED KINGDOM Fax: + 44 1752 232 970 Email: ajha@plymouth.ac.uk	JIA CAO Jia Third Military Medical University Chongqing CHINA Fax: + 862 365 316 682 Email: caojia@public.cq.sc.cn	JIRICNY Josef University of Zurich Zurich SWITZERLAND Fax: + 41 1 385 62 04 Email: Jiricny@imr.unizh.ch	JIRIK Frank University of British Columbia Vancouver CANADA Fax: + 1 604 822 9710 Email: jirik@brc.ubc.ca
JOHNSON Neil CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: neil@ipbs.fr	JOHNSON Robert Cambridge University Cambridge UNITED KINGDOM Fax: + 44 1223 336 676 Email: rtj11@ccm.cus.ac.uk	JONCZYK Piotr Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: piotrekj@ibbrain.ibb.waw.pl	JONES George D. D. University of Leicester Leicester UNITED KINGDOM Fax: + 44 116 252 5616 Email: gdjz@le.ac.ukind

<p>JUSTUS Tamara Adelaide AUSTRALIA Fax: + 61 8 8201 3015 Email: tamara.justus@flinders.ca.au</p>	<p>KADLUBAR Fred National Center Toxicology Research Jefferson USA Fax: + 1 870 501 543 Email: fkadlubar@actr.fda.gov</p>	<p>KALINA Ivan Faculty Univ. P.J. Safarik Kosice Kosice SLOVAKIA Fax: + 421 95 420 253 Email: medbiol@kosice.upjs.sk</p>	<p>KANNOUCHE Patricia CEA-FAR Fontenay aux Roses FRANCE Fax: + 33 1 46 54 91 80 Email: kannouch@dsvidf.cea.fr</p>
<p>KARRAN Peter Imperial Cancer Research Fund South Mimms UNITED KINGDOM Fax: + 44 1701 6938 01 Email: karran@icrf.icnet.uk</p>	<p>KASAI Hiroshi University of Occupational and Environmental Health Kitakyushu JAPAN Fax: + 81 93 601 2199 Email: h-kasai@med.uoeh-u-ac-jp</p>	<p>KASPER Peter Federal Institute for Drugs Berlin GERMANY Fax: + 49 30 4548 3207</p>	<p>KASTEN Ursula University Of Hamburg Hamburg GERMANY Fax: + 49 40 4717 5139 Email: kasten@uke.uni-hamburg.de</p>
<p>KATO Mitsuko Yokohama JAPAN Fax: + 81 45 754 2210</p>	<p>KAVLI Bodil Unigen Center for Molecular Biology Trondheim NORWAY Fax: + 47 73 59 87 05 Email: bodil.kavli@unigen.unit.no</p>	<p>KAWAI Kazuaki Meijo University Nagoya JAPAN Fax: + 81 834 8780 Email: kkawai@meijo-u.ac.jp</p>	<p>KAWANISHI Masanobu Kyoto University - Faculty of Medicine Kyoto City JAPAN Fax: + 81 75 753 4419 Email: kawanisi@egl.kyoto-u.a.c.jp</p>
<p>KEIZER Hiskias Weesp THE NETHERLANDS Fax: + 31 294 415 256 Email: keizer@pmdf@nohvxx</p>	<p>KELLER SEITZ Monika U. Institute of Toxicology Schwerzenbach SWITZERLAND Fax: + 41 182 50476 Email: Keller@toxi.biol.ethz.ch</p>	<p>KIM Byung-Soo Yonsei University Seoul KOREA Fax: + 822 313 5331 Email: bskim@bubble.yonsei.ac.kr</p>	<p>KINOUCI Takemi University of Tokushima Tokushima JAPAN Fax: + 81 886 33 0771 Email: kinouchi@basic.med.tokushima.u.ac.jp</p>
<p>KIRCHNER Stephan F. Hoffmann-La Roche AG Basel SWITZERLAND Fax: + 41 61 688 9155 Email: stephan.kirchner@roche.com</p>	<p>KIRKLAND David Covance Laboratories Ltd Harrogate UNITED KINGDOM Fax: + 44 1423 568 473 Email: dkirkland@hazle.co.uk</p>	<p>KIRSCH VOLDERS Micheline Laboratorium Voor Antropogenetica Brussel BELGIUM Fax: + 32 2 629 3408 Email: mkirschv@vnet3-vub.ac.be</p>	<p>KLEIN Johanna C. Laboratory of Health Effects Research Bilthoven THE NETHERLANDS Fax: + 31 30 274 4446</p>
<p>KLEINJANS Jos Universiteitssingel Maastricht THE NETHERLANDS Fax: + 31 43 367 0924 Email: j.kleinjans@grat.unimaas.ne</p>	<p>KNUDSEN Lisbeth E. National Institute of Occupational Health Copenhagen DENMARK Fax: + 45 39 270 107 Email: lk@ami.dk</p>	<p>KOCHHAR T. S. Kentucky State University Frankfort USA Fax: + 1 502 227 6403 Email: tkochhar@gwmail.kysu.edu</p>	<p>KOHZAKI Ken-Ichi Azabu University Sagamihara JAPAN Fax: + 81 247 53 3395</p>
<p>KOIVISTO Pertti Finnish Institute of Occupational Health Helsinki FINLAND Fax: + 358 9 241 3691 Email: pertti.koivisto@occuphealth.fi</p>	<p>KONDO Koji Shionogi & Co Toyonaka JAPON Fax: + 81 6 332 6385 Email: Koji.kondo@shionogi.co.jp</p>	<p>KOSTIC Tatjana Institute for Molecular and Genetic Engineering Belgrade YUGOSLAVIA Fax: + 381 11 492 397</p>	<p>KRAMER Peter-Jürgen Merck KGaA Darmstadt GERMANY Fax: + 49 6151 727 673</p>
<p>KRANENDONK Michel New University of Lisbon Lisbon PORTUGAL Fax: + 351 1 362 2018 Email: carolino@mail.telepac.pt</p>	<p>KRAVSE Gunter ABF Munchen Munchen GERMANY Fax: + 49 89 532 8039 Email: 101356.2742@compuserve.com.ge</p>	<p>KRISHNA Gopala Parke-Davis Pharmaceutical Research Ann Arbor, Michigan USA Fax: + 1 313 996 5001 Email: krishng@aa.wl.com</p>	<p>KROKAN Hans E. UNIGEN Trondheim NORWAY Fax: + 47 73 598 705 Email: hans.krokan@unigen.ntnu.no</p>
<p>KROKJE Ase Nowegian University of Science & Technology Dragvoll NORWAY Fax: + 47 735 96100 Email: aasekr@alfa.avh.unit.no</p>	<p>KRUSZEWSKI Marcin Institute of Nuclear Chemistry and Technology Warsawa POLAND Fax: + 48 2211 1532 Email: marcinkr@orange.ichtj.waw.pl</p>	<p>KUCHENMEIKS Frank DKFZ German Cancer Research Center Heidelberg GERMANY Fax: + 49 6221 423359</p>	<p>KULJUKKA Terhi Finnish Institute of Occupational Health Helsinki FINLAND Email: terhi.kuljukka@occuphealth.fi</p>

<p>KUNKEL Thomas NIEHS Research Triangle Park USA Fax: + 1 919 541 7613 Email: kunkel@niehs.nih.gov</p>	<p>KUSAKABE Hirokazu Food and Drug Safety Center Hadano JAPAN Fax: + 81 463 82 9627</p>	<p>KYRTOPOULOS Soterios National Hellenik Research Foundation Athens GREECE Fax: + 30 1723 4008 Email: skyrt@ele.gr</p>	<p>LAFOUGE Patricia Synthelabo-Recherche Gargenville FRANCE Fax: + 33 1 34 97 37 10</p>
<p>LALCHEV Stoyan Hospital Tzariza Sofia BULGARY Fax: + 359 2 4431 14</p>	<p>LALLE Laura Biogenic Maurin FRANCE Fax: + 33 4 67 27 93 56</p>	<p>LALLEMAND Jeannine EDF Paris FRANCE Fax: + 33 1 44 95 17 90 Email: jeannine.lallemmand@prince.edfgdf.fr</p>	<p>LAMBERT Bo The Karolinska Institute Muddinge SWEDEN Fax: + 46 8 608 1501 Email: bo.lambert@cnt.ki.se</p>
<p>LAMBERT Vincent Université de Liège Liège BELGIUM Email: vincent.lambert@ulg.ac.be</p>	<p>LAMBERT Richard Smithkline Beecham Pharmaceuticals R+D Welwyn, Herts UNITED KINGDOM Fax: + 44 1438 782 582 Email: richardlambert@sbphrd.com</p>	<p>LAMBERT Iain Carleton University Ottawa CANADA Fax: + 1 613 520 4497 Email: ilambert@ccs.carleton.ca</p>	<p>LAMERDIN Jane Livermore USA Fax: + 1 510 422 2282 Email: lamerdinl@llnl.gov</p>
<p>LANGLOIS Richard Lawrence Livermore National Laboratory Livermore USA Fax: + 1 510 422 2282 Email: langlois1@llnl.gov</p>	<p>LANGOWSKI Jan Lhasa UK Leeds UNITED KINGDOM Fax: + 44 113 233 6535 Email: jan@mi.leeds.ac.uk</p>	<p>LAPHITZ Dominique SFRI Saint Jean d'Ilac FRANCE Fax: + 33 5 56 68 90 09</p>	<p>LARMINAT Florence CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: flol@ipbs.fr</p>
<p>LASNE Claude Ministère de l'Environnement Paris FRANCE Fax: + 33 1 42 19 14 68</p>	<p>LAURENCON Anne University of California Davis USA Fax: + 1 916 752 1185 Email: aclaurencon@ucdavis.edu</p>	<p>LAURENT Christian Laboratoire ORME Sarttilman BELGIUM Fax: + 32 4 366 2433 Email: clr.laurent@lg.ac.be</p>	<p>LAUTRAITE Sophie The University of Birmingham Birmingham UNITED KINGDOM Fax: + 44 121 414 3982 Email: sm.lautraite@bham.ac.uk</p>
<p>LAVAL Jacques CNRS Villejuif FRANCE Fax: + 33 1 42 11 44 54</p>	<p>LAVAL Françoise INSERM Kremlin-Bicetre FRANCE Email: laval@cri.kl.inserm.fr</p>	<p>LE BON Anne-Marie INRA Dijon FRANCE Fax: + 33 3 80 63 32 32 Email: lebon@dijon.inra.fr</p>	<p>LE CURIEUX Frank Abo Akademi University Turku FINLAND Fax: + 358 2 2654 866 Email: f.curieux@abo.fi</p>
<p>LE GUEN Bernard Institut de Protection et de Sureté Nucléaire Fontenay aux Roses FRANCE Fax: + 33 1 47 46 97 77 Email: leguen@ipsn.fr</p>	<p>LE PAGE Florence CNRS Villejuif FRANCE Fax: + 33 1 49 58 34 43 Email: lepage@infobiogen.fr</p>	<p>LEBLOND Yves Laboratoires Fournier Garches FRANCE Fax: + 33 1 47 10 88 43</p>	<p>LEBOEUF Robert The Procter and Gamble Company Cincinnati USA Fax: + 1 513 627 0323 Email: leboeuf.ra@pg.com</p>
<p>LECHEVREL Mathilde Université de Caen - Faculté de Médecine Caen FRANCE Fax: + 33 2 31 06 82 05 Email: lechev-m@baclesse.fr</p>	<p>LEE William Institute for Mutagenesis Baton Rouge USA Fax: + 1 504 388 1763</p>	<p>LEGER Caroline Hôpital Maisonneuve-Rosemont Montreal CANADA Fax: + 1 514 252 3569 Email: legercar@ere.umontreal.ca</p>	<p>LEGRAND Jean-Jacques Institut Henri Beaufour Les Ulis FRANCE Fax: + 33 1 60 92 21 22</p>
<p>LEGUY Isabelle ENSBANA Dijon FRANCE Fax: + 33 3 80 39 66 41</p>	<p>LEHMANN Alan MRC Cell Mutation Unit Brighton UNITED KINGDOM Fax: + 44 1273 678 121 Email: a.r.lehmann@sussex.ac.uk</p>	<p>LEONG-MORGENTHALER Phaik-Mooi University of Lausanne Lausanne SWITZERLAND Fax: + 41 21 692 5355 Email: phaikmooi.morgenthaler@ipharm.unil.ch</p>	<p>LEOPARDI Paola Istituto Superiore di Sanita Rome ITALY Fax: + 39 6 493 87139</p>

<p>LESKA Claire CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: lesca@ipbs.fr</p>	<p>LESZKOWICZ Annie Ecole Nationale Supérieure Agronomique Toulouse FRANCE Email: leszkowicz@ensat.fr</p>	<p>LEWIS Sarah Paterson Institute for Cancer Research Manchester UNITED KINGDOM Fax: + 44 161 446 3109</p>	<p>LILLEMARKE Lone National Food Agency of Denmark Soborg DANEMARK Fax: + 45 39 66 0100 Email: lli@lst.min.dk</p>
<p>LITTLE John B. Harvard School of Public Health Boston USA Fax: + 1 617 432 0107 Email: jlittle@hsph.harvard.edu</p>	<p>LOEB Lawrence University of Washington Seattle USA Fax: + 1 206 543 3967 Email: laloe@u.washington.edu</p>	<p>LOFT Steffen Panum - Department of Pharmacology Copenhagen DENMARK Fax: + 45 35 32 7610 Email: steffen.loft@jarmakol.ku.dk</p>	<p>LOHMAN Paul Dept. of Radiation Genetics and Chemical Mutagenesis - MGC Leiden THE NETHERLANDS Fax: + 31 71 5221 615</p>
<p>LOIGNON Martin Hôpital Maisonneuve-Rosemont Montreal CANADA Fax: + 1 514 252 3430</p>	<p>LOPEZ Laura Christina Universidad de Buenos Aires Buenos Aires ARGENTINA Fax: + 54 1 964 8274 Email: lchlopez@cefyb.ffyb.uba.ar</p>	<p>LOPEZ Bernard CEA-FAR Fontenay aux Roses FRANCE Fax: + 33 1 46 54 91 80 Email: lopez@dsvifd.cea.fr</p>	<p>LOPEZ-BAREA Juan Dept Bioquímica y Biología Molecular Cordoba SPAIN Fax: + 34 57 21 86 88 Email: bb1lobaj@uco.es</p>
<p>LOPRIENO Nicola Universita' di Pisa Pisa ITALY Fax: + 39 50 555 687</p>	<p>LORENZON Giocondo HMR-Drug Safety Romainville FRANCE Fax: + 33 1 49 91 48 60</p>	<p>LORGE Elisabeth Biologie Servier Fleury-les-Aubrais FRANCE Fax: + 33 2 38 75 31 20</p>	<p>LOVELL David Bibra International Surrey UNITED KINGDOM Fax: + 44 181 661 7029 Email: dlovel@bibra.co.uk</p>
<p>LOWE Xiu Livermore USA Fax: + 1 510 422 2282 Email: maitino2@llnl.gov</p>	<p>LUCIA Migliore University Pisa Pisa ITALY Fax: + 39 50 551 290</p>	<p>LUTZ Werner University of Wurzburg Wurzburg GERMANY Fax: + 49 931 201 3446 Email: lutz@toxi.uni-wuerzburg.de</p>	<p>LY Ruo Ya SFRI Toulouse FRANCE Fax: + 33 5 61 17 59 94</p>
<p>LYNCH Anthony Mark RPMS - Department Clinical Pharmacology London UNITED KINGDOM Fax: + 44 181 383 2066 Email: a.lynch@rpms.ac.uk</p>	<p>MA Te-Hsiu Western Illinois University Macomb USA Fax: + 1 309 298 2270 Email: mftm@uxa.ecn.bqu.edu</p>	<p>MAC PHEE Donald La Trobe University Bundoora, Victoria AUSTRALIA Fax: + 61 3 9429 1222 Email: micdgm@lure.latrobe.edu.au</p>	<p>MACGREGOR James Food and Drug Administration Rockville USA Fax: + 1 301 827 3787</p>
<p>MAFFEI Francesca Department of Pharmacology Bologna ITALY Fax: + 39 51 248 862</p>	<p>MAKELA Kari Helsinki FINLAND Fax: + 358 010 862 1124</p>	<p>MAKI PAAKKANEN Jorma National Public Health Institute Kuopio FINLAND Fax: + 358 1720 1265 Email: Jorma.Maki-Paakkanen@ktl</p>	<p>MALACHOVA Katerina University of Ostrava Ostrava CZECH REPUBLIC Fax: + 420 69 22 2828 Email: malacho@albert.dsu.cz</p>
<p>MALLING Heinrich V. NIEHS Research Triangle Park USA Fax: + 1 919 541 4634 Email: malling@niehs.nih.gov</p>	<p>MARCELA Aranda Universidad De Santiago De Chile Santiago CHILE Fax: + 56 2 681 6360 Email: maranda@lauca.usuach.cl</p>	<p>MARCHETTI Francesco BBRP Lawrence Livermore National Laboratory Livermore USA Fax: + 1 510 422 2282 Email: marchetti2@poptart.llnl.gov</p>	<p>MARCON Francesca Leiden University Leiden THE NETHERLANDS Fax: + 31 71 522 16 15 Email: marcon@roller.medfac.leidenuniv.nl</p>
<p>MARIONNET Claire CNRS Villejuif FRANCE Fax: + 33 1 49 58 34 43 Email: cmarion@infobiogen.fr</p>	<p>MARTIN Elizabeth A. University of Leicester Leicester UNITED KINGDOM Fax: + 44 116 252 5616 Email: eam6@le.ac.uk</p>	<p>MARTINI Emmanuelle Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: emartini@curie.fr</p>	<p>MARTUS Hans-Jorg Novartis Pharma AG Basel SWITZERLAND Fax: + 41 61 324 15 23</p>

MARTY Josette CNRS Toulouse FRANCE Fax: + 33 5 61 55 65 07	MARZIN Daniel Institut Pasteur Lille FRANCE Fax: + 33 3 20 87 73 10 Email: daniel.marzin@pasteur.lille.fr	MASAO INOUE Inoue Ishikawa JAPAN Fax: + 81 762 3652 Email: inoue@kanazawa-med.ac.jp	MASDEHORS Peggy Institut Curie Paris FRANCE Fax: + 33 1 44 32 40 73
MASSEY Eian David British American Tobacco Southampton UNITED KINGDOM Fax: + 44 1703 779 856	MASSON Philippe Evic-Ceba Blanquefort FRANCE Fax: + 33 5 56 95 05 22	MASSOUD Aly Ain Shams University Abbassia, Cairo EGYPT Fax: + 20 2837 673	MATRUBUTHAM Uday Azur Environmental Carlsbad USA Fax: + 1 760 438 2980
MATSUOKA Atsuko National Institute of Health Sciences Tokyo JAPAN Fax: + 81 3 3700 2348 Email: matsuoaka@nihs.go.jp	MAYO Judy Pharmacia Upjohn, Inc Kalamazoo USA Fax: + 1 616 833 9722 Email: judy.k.mayo@am.pnu.com	MAZALEYRAT Nicole L'Oréal Recherche Aulnay sous Bois FRANCE Fax: + 33 1 48 68 97 06	MCREE Alfred Oak Ridge Associated Universities Oak Ridge USA Fax: + 1 423 576 7903 Email: mcreea@ora.gov
MCKELVEY-MARTIN Valérie University of Ulster Coleraine IRLAND Fax: + 353 1265 324 965 Email: v.mckelvey@ulst.ac.uk	MEERMAN J. H. Nicolaas LAC DR Leiden THE NETHERLANDS Fax: + 31 71 527 6292 Email: meerman@chem.vu.nl	MENCK Carlos F. M. ICB-USP Sao Paulo BRAZIL Fax: + 55 11 818 7354 Email: cfmmenck@usp.br	MENICHINI Paola IST - National Institute for Cancer Research Genova ITALY Fax: + 39 10 5600 992 Email: menikini@hp380.ist.unige.it
MENIEL Valerie University of Wales Swansea Swansea UNITED KINGDOM Fax: + 44 17 922 95447 Email: Bameniel@swansea.ac.uk	MESCHINI Roberta University of Tuscia Viterbo ITALY Fax: + 39 761 357 242	MESSEGUER Angel Centre d'Investigacio i Desenvolupament Barcelona SPAIN Fax: + 34 3 204 59 04 Email: ampgob@cid.csic.es	METZ Imke Ammug Mainz GERMANY Fax: + 49 6131 173364
MEUTH Mark University of Utah Salt Lake City USA Fax: + 1 801 585 3501 Email: mark.meuth@genetics.utah.edu	MEZZINA Mauro CNRS Villejuif FRANCE Fax: + 33 1 49 58 34 43 Email: mezzina@infobiogen.fr	MIADOKOVA Eva Comenius University Bratislava SLOVAKIA Fax: + 42 17 729 064 Email: miadokova@fns.uniba.sk	MIHA'LY Szegedi Gedeon Richter Ltd Budapest HUNGARY Fax: + 36 1 260 2643 Email: m.szegedi@richter.hu
MINISSI Sandra Universita Tor Vergata Roma ITALY Fax: + 39 6 202 3500 Email: minissi@utovrm.it	MIYATA Yuko Nagaya JAPAN Fax: + 81 52 834 9309 Email: g-yuko@phar.nagoya-cu.ac.jp	MIYAZAWA Mitsuo Kinki University Osaka JAPAN Fax: + 81 6 727 4301 Email: miyazawa@apch.kindai.ac.jp	MOHN Georges R. National Institute of Public Health & Environment Bilthoven THE NETHERLANDS Fax: + 31 30 274 4446 Email: gr.mohn@rivm.nl
MOLINIER Brigitte Elf Atochem Paris La Défense FRANCE Fax: + 33 1 49 0072 12	MONARCA Silvano Cattedra di Igiene e Odont. Prev. Brescia ITALY Fax: + 39 30 3701 404 Email: monarca@master.cci.unibs.it	MONTERO Régina Mexico MEXICO Fax: + 52 5550 0048 Email: dorinda@servidor.unam.mx	MONTESANO Ruggero IARC Lyon FRANCE Fax: + 33 4 72 73 85 75 Email: montesano@iarc.fr
MOORE Catherine Zeneca Pharmaceuticals Macclesfield, Cheshire UNITED KINGDOM	MORITA Takeshi Nippon Glaxo Ltd. Ibaraki JAPAN Fax: + 81 29864 8558 Email: tm28417@glaxowellcome.co.uk	MORLEY Alec Flinders Medical Centre Bedford Park AUSTRALIA Fax: + 61 882 045 450 Email: alec.morley@flinders.edu.au	MOTHERSILL Carmel Dublin Institute Technology Dublin IRLAND Fax: + 353 1 4756 793 Email: cmothersill@rsc.iol.ie

MOTYKIEWICZ Grazyna Institute Of Oncology Gliwice POLAND Fax: + 48 32 31 35 12 Email: asamoje2@us.edu.pl	MOUSTACCHI Ethel Insitut Curie - Recherche Paris FRANCE Fax: + 33 1 46 33 30 16 Email: ethelmoustacchi@curie.fr	MUELLER Werner Hoechst Marion Roussel Hattersheim GERMANY Fax: + 6930 5894 93 Email: mueller@msmttox.hoechstcom	MULLENDERS Leon H. F. University of Leiden Leiden THE NETHERLANDS Fax: + 31 71 522 1615 Email: Mullenders@rullf2.Medfac.LeidenUniv.nl
MULLER Catherine CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: muller@ipbs.fr	MULLER Lutz Federal Institute for Drugs and Medical Devices Berlin GERMANY Fax: + 49 30 45 48 3207	MUNNICH A. Hôpital Necker Paris FRANCE Fax: + 33 1 44 49 51 50	MURNANE John University of California San Francisco USA Fax: + 1 415 476 9069 Email: murnane@rorl.uvesf.edu
MUSILOVA Petra Veterinary Research Institute Brno CZECH REPUBLIC Fax: + 42 054 121 1229 Email: olma@vuvel.anet.cz	MUSTER Wolfgang F. Hoffmann-La Roche AG Basel SWITZERLAND Fax: + 41 61 688 9155 Email: wolfgang.muster@roche.com.ch	MYHR Brian Covance Laboratories Inc. Vienna, Virginia USA Fax: + 1 703 759 5782 Email: bcmyr@aol.com	NADAUD Jacqueline Laboratoire L. LAFON Maisons Alfort FRANCE Fax: + 33 1 49 81 82 20
NAGAI Fumiko Tokyo JAPAN Fax: + 81 3 3368 4060 Email: nagai@tokyo-eiken.go.jp	NAGAO Minako National Cancer Center Research Institute Tokyo JAPAN Fax: + 81 3 5565 1753 Email: mnagao@ncc.go.jp	NATARAJAN Adayapalam Leiden University Leiden THE NETHERLANDS Fax: + 31 71 522 1615 Email: natarajan@RUULF2.medfac.leidenuniv.nl	NATH Joginder Agricultural Sciences Building Morgantown USA Fax: + 1 304 293 2960 Email: jnath@wvu.edu
NEGISHI Tomoe Faculty of Pharmaceutical Sciences Okayama JAPAN Fax: + 81 86 254 2129 Email: isaka@pheasant.pharm.okayama.ac.jp	NETTER Pierre Institut Jacques MONOD Paris FRANCE Fax: + 33 1 44 27 61 35 Email: netter@oxygene.ijm.jussieu.fr	NEURATH Götz Fraunhofer Arbeitsgruppe für Hamburg GERMANY Fax: + 49 40 4123 5316	NEXO Bjorn National Institute of Occupation Health Copenhagen DENMARK Fax: + 45 39 27 01 07 Email: ban@ami.dk
NICHOLS Warren Merck Research Laboratories West Point USA Fax: + 1 215 652 3888 Email: nichols@merck.com	NICOLAS Alain Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: anicolas@curie.fr	NIELSEN Ole Frederik University of Aarhus Aarhus C. DENMARK Fax: + 45 8942 2612 Email: ofn@mbid.aau.dk	NIELSEN Mette Huid Department of Environment Roskilde DENMARK Fax: + 45 46 75 44 03 Email: mhn@teksam.ruc.dk
NILSEN Hilde Unigen Center for Molecular Biology Trondheim NORWAY Fax: + 47 73 59 87 05 Email: hilde.nilsen@unigen.unit.no	NIELSEN Lise Rud National Institute of Occupational Health Copenhagen DENMARK Fax: + 45 39 27 01 07 Email: Ln@ami.dk	NOCENTINI Silvano Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: silvano.nocentini@curie.fr	NOGUCHI Tadashi Japan Bioassay Research Center Hadano JAPAN Fax: + 81 463 823 860 Email: bioassay@po.ijnet.or.jp
NOHMI Takehiko National Institute of Health Sciences Tokyo JAPAN Fax: + 81 3 3707 6950 Email: nohmi@mihs.go.jp	NOLAN Canice European Commission Brussels BELGIUM Fax: + 32 2 296 30 24	NORPPA Hanna Finnish Institute Of Occupational Health Helsinki FINLAND Fax: + 35 894 747 208 Email: hanna.norppa@occuphealth.fi	NUKAYA Haruo Shimizu JAPAN Fax: + 81 543 45 0392 Email: nukaya@ys2.u-shizuoka-ken.ac.jp
NYAGA Simon Galveston USA Fax: + 1 409 772 1790 Email: snyaga@scms.utmb.edu	O'CONNOR Timothy Beckman Research Institute Duarte USA Fax: + 1 818 358 7703 Email: toconnor@smtplink.coh.org	O'DONOVAN Michael Safety Assesement Loughborough UNITED KINGDOM Fax: + 44 1509 645 595 Email: @charnwood.gb.astra.com	O'GRADY Géraldine University College Cork Cork IRLAND Fax: + 353 21 274 034

OBRECHT-PFLUMIO Sophie Iut Louis Pasteur De Schiltigheim Schiltigheim FRANCE Fax: + 33 3 88 18 69 81	ODA Yoshimitsu Osaka JAPAN Fax: + 81 6 972 Email: ysoda@iph.pref.osaka.jp	OESCH Franz University of Mainz Mainz GERMANY Fax: + 49 6131 230 506 Email: oesch@mzdmzq.zdv.uni.mainz.de	OGOREK Bernhard Novartis Produkte AG Basel SWITZERLAND Fax: + 41 61 697 22 78
OHE Takeshi Kyoto Women's University Kyoto JAPAN Fax: + 81 75 531 7216	OHGIYA Satoru Hokkaido National Industrial Research Institute Sapporo JAPAN Fax: + 81 11 857 8992 Email: ohgiya@hniri-go.jp	OHMORI Kiyomi Kanagawa Prefectural Public Health Laboratory Yokohama JAPAN Fax: + 81 45 363 1037 Email: keneieken@iris.or.jp	OHNISHI Yoshinari University of Tokushima Tokushima-shi JAPAN Fax: + 81 886 33 7069 Email: ohnishi@basic.med.tokushima-u.ac.jp
OKUBO Tomoko Tokyo JAPAN Fax: + 81 3 3368 4060 Email: okubo@tokyo-eiken.go.jp	OLIVE Peggy L. B.C. Cancer Research Center Vancouver CANADA Fax: + 1 604 877 6002 Email: polive@bccancer.bc.ca	OLIVER Johann Glaxo Wellcome Research and Development Ware UNITED KINGDOM Fax: + 44 1920 882 679 Email: jo3639@ggr.co.uk	OLIVIERI Gregorio Universita La Sapienza Roma ITALY Fax: + 39 6 4456 866 Email: olivieri@excasp.caspr.it
OLSEN Ann-Karin National Institute of Public Health Oslo NORWAY Fax: + 47 2204 2686 Email: mipt@sn.no	OP HET VELD Christel Institute of Pharmacology and Toxicology Lausanne SWITZERLAND Fax: + 41 21 692 5355 Email: christel.leser-ophetveld@ipharm.unil.ch	OREFFO Victor MRC Toxicology Unit Leicester UNITED KINGDOM Fax: + 44 116 252 5616 Email: vic01@le.ac	OSTBY Cecilie Trondheim NORWAY Email: cecilio@stud.ntnu.no
OSTENFELDT Nina Genetic & Reproduction Toxicology Valby DENMARK Fax: + 45 36 30 13 50 Email: nos@lundbeck.com	OSTERHOLM Anne-May Karolinska Institute Huddinge SWEDEN Fax: + 46 8 608 1501 Email: anne-may.osterholm@cnt.ki.se	OTTERLEI Marit Unigen Center for Molecular Biology Trondheim NORWAY Fax: + 47 73 59 87 05 Email: marit.otterlei@unigen.unit.no	OULDELHKIM Mostafa CNEVA Fougères FRANCE Fax: + 33 2 99 94 78 99
PACCHIEROTTI Francesca ENEA CR Casaccia Roma ITALY Fax: + 39 6 304 838 05 Email: pacchier@casaccia.enea.it	PALITTI Fabrizio University of Tuscie Viterbo ITALY Fax: + 39 761 357 242 Email: Palitti@Unitus.it	PAPADOPOULOU Dora Institut Curie Paris FRANCE Fax: + 33 1 46 33 30 16 Email: papadopoulo@curie.fr	PAPAGIANNIDOU Eleni Athens GREECE Fax: + 30 1671 8006 Email: piper@cyclades.nraps.ariadne-tje
PAPE Wolfgang Beiersdorf AG Hamburg GERMANY Fax: + 49 40 4909 4406	PAPOULI Efterdi CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94	PARADIZ Jasna National Institute Of Biology Ljubljana Ljubljana SLOVENIA Fax: + 38 612 117 35	PARRY Elisabeth University of Wales Swansea Swansea UNITED KINGDOM Email: e.m.parry@swansea.ac.uk
PARRY James Michael University of Wales Swansea Swansea UNITED KINGDOM Email: e.m.parry@swansea.ac.uk	PASCUCCI Barbara Istituto Superiore di Sanita Roma ITALY Fax: + 39 6 4990 2355 Email: barbara.pascucci@isbs1.u-steasbg.fe.it	PASQUALE Mosesso Universita della Tuscia Viterbo ITALY Fax: + 39 761 357 242 Email: mosesso@unitusit	PAVANELLO Sofia Istituto Medicina Lavoro Padova ITALY Fax: + 39 498 216 621 Email: clonfero@ux1.unipd.it
PEDERSEN Peder Bjarne Novo Nordisk A/S Bagsvaerd DENMARK Fax: + 45 44 4212 38 Email: pbjp@novo.dk	PEDRINI Antonia H. CNR Pavia ITALY Email: pedrini@ipvgbe.igbe.pv.cnr.it	PEITL JUNIOR Paulo Faculdade de Medicina Ribeirao Preto BRAZIL Fax: + 55 166 331 586 Email: ppeitl@usp.br	PELHATRE Stephane NOESIS Orsay FRANCE Fax: + 33 1 69 35 30 01

<p>PELTONEN Kimmo Finnish Institute of Occupational Health Helsinki FINLAND Fax: + 358 9 241 3621 Email: kimmo.peltonen@occuphealth.fi</p>	<p>PERIC Natasa Faculty of Food Technology and Biotechnology Zagreb CROATIA Fax: + 385 1 411 436 Email: nperic@mapbf.pbf.hr</p>	<p>PERIN François Institut Curie Orsay FRANCE Fax: + 33 1 69 86 31 86 Email: gentox&K@curie.u-psud.fr</p>	<p>PETROVSKA ONDKOVA Helena Institute of Preventive and Clinical Medicine Bratislava SLOVAK REPUBLIC Fax: + 42 1737 3906 Email: petrov@uptm.sanet.sk</p>
<p>PHILLIPS David Institute of Cancer Research Sutton UNITED KINGDOM Fax: + 44 181 770 7290 Email: davidp@icr.ac.uk</p>	<p>PICQUE Martine Biogenic Maurin FRANCE Fax: + 33 4 67 27 15 40</p>	<p>PIETRZYKOWSKA Irena Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: netdna@ibbrain.ibb.want.pl</p>	<p>PIETTE Jacques University of Liège Liege BELGIUM Fax: + 32 4 366 2433 Email: jpiette@ulg.ac.be</p>
<p>PILGER Alexander Klin. Abteilung Arbeitsmedizin Wien AUSTRIA Fax: + 43 1 408 8011 Email: alex.pilger@akh-wien.ac.at</p>	<p>PINEAU Thierry INRA Toulouse FRANCE Fax: + 33 5 61 28 53 10 Email: tpineau@toulouse.inra.fr</p>	<p>PIPERAKIS Stilianos National Centre for Scientific Research "Demokritos" Athens GREECE Fax: + 30 1 651 1767 Email: piper@cyclades.nrps.ariadne-t.gr</p>	<p>PLETSA Vassiliki National Hellenic Research Foundation Athens GREECE Fax: + 30 1723 4008 Email: vpletsa@eie.gr</p>
<p>PLNA Kamila CNT Huddinge SWEDEN Fax: + 46 8 608 1501 Email: kamila.plna@cnt.ki.se</p>	<p>PLUTH Janice Lawrence Livermore Nat'l Lab. Livermore USA Fax: + 1 510 422 2282 Email: Pluth1@LLNL.gov</p>	<p>POLASA Kalpagam National Institute of Nutrition Hyderabad INDIA Fax: + 91 40 701 9074 Email: icmr.nin@ren.nic.in</p>	<p>POLI Paola Universita Di Parma Parma ITALY Fax: + 39 521 905 604 Email: mutgen@ipruniv.cce.unipr.it</p>
<p>POOL ZOBEL Béatrice Bundesforschungsanstalt für Ernährung Karlsruhe GERMANY Fax: + 49 7247 228 20 Email: pool-zobel@bfe.fzk.de</p>	<p>POSPIECH Helmut Biocenter Oulu and Dept. of Biochemistry Oulu FINLAND Fax: + 358 8 553 1141 Email: pospiech@cc.oulu.fi</p>	<p>POTTER-LOCHER Franziska Novartis Pharma AG Basel SWITZERLAND Fax: + 41 61 324 15 23</p>	<p>PRAZ Françoise CNRS Villejuif FRANCE Fax: + 33 1 42 11 54 94 Email: praz@igr.fr</p>
<p>PRETSCH Walter G S F Neuherberg GERMANY Fax: + 49 89 3187 4620 Email: pretsch@gsf.de</p>	<p>PROENCA Maria José Instituto Nacional de Saude Dr. Ricardo Lisboa PORTUGAL Fax: + 351 1 759 0441</p>	<p>PROSPERI Ennio Centro di Studio Istochimica CNR Pavia ITALY Fax: + 39 382 221 77 Email: csi@dragon.ian.pv.cnr.it</p>	<p>PUEYO Carmen University of Cordoba Cordoba SPAIN Fax: + 34 57 21 86 88 Email: bb1.pucuc@uco.es</p>
<p>PUISEUX-DAO Simone Université de Paris Paris FRANCE Fax: + 33 1 45 66 80 68 Email: gspd@worldnet.fr</p>	<p>PURI Emilio NOVARTIS Crop Protection Basel SWITZERLAND Fax: + 41 61 697 53 34 Email: emilio@carlos.puri.cp.novartis.com</p>	<p>QUILLARDET Philippe Institut Pasteur Paris FRANCE Fax: + 33 1 45 68 88 34</p>	<p>RADICELLA J. Pablo CEA-FAR Fontenay aux Roses FRANCE Fax: + 33 1 46 54 91 80 Email: radicel@mit.edu</p>
<p>RADMAN Miroslav Institut Jacques Monod Paris FRANCE Fax: + 33 1 44 27 78 70</p>	<p>RAGOZIN Evgeniy Tomsk-50 RUSSIA Fax: + 7 095 3822 233 309</p>	<p>RAJANIEMI Heli CNT Huddinge SWEDEN Fax: + 46 8 608 1501 Email: heli.rajaniemi@cnt.ki.se</p>	<p>RAJEWSKY Manfred F. University of Essen Medical School Essen GERMANY Fax: + 49 201 723 5905 Email: rajewsky@uni-essen.de</p>
<p>RAMOS-MORALES Patricia Facultas de Ciencias Mexico MEXICO Fax: + 52 562 248 28 Email: prm@hp.ciencias.unam.mx</p>	<p>RAMOTAR Dindial Hôpital de Maisonneuve-Rosemont Montréal CANADA Fax: + 1 514 252 3430 Email: dramotar@hmr.gc.ca</p>	<p>RANK Jette Roskilde University Roskilde DENMARK Fax: + 45 46 75 44 03 Email: jr@teksam.ruc.dk</p>	<p>RANNUG Ulf University of Stockholm Stockholm SWEDEN Fax: + 46 8 164 004 Email: ulf.rannug@genetics.su.se</p>

<p>RANNUG Agneta Karolinska Institute Stockholm SWEDEN Fax: + 46 8 3141 24 Email: agneta.rannug@imm.ki.se</p>	<p>RAYNAUD Jean-françois SFRI Saint Jean d'Illac FRANCE Fax: + 33 5 56 68 90 09 Email: sfri@sfri.com</p>	<p>RECIO Leslie RTP USA Fax: + 1 919 558 1300 Email: recio@ciit.org</p>	<p>REGNIER Jean-françois Elf Atochem Paris La Defense FRANCE Fax: + 33 1 4900 72 12</p>
<p>REIFFERSCHIED Georg University of Mainz Mainz GERMANY Fax: + 49 6131 173 364 Email: reiffers@goofy.zdv.uni-mainz.de</p>	<p>REIMANN Roland Schering AG Berlin GERMANY Fax: + 39 30 468 15364</p>	<p>RENAULT Dominique Rhône-Poulenc Rorer Recherche- Developpement Vitry sur Seine FRANCE Fax: + 33 1 55 71 81 29 Email: dominique.renault@rp.fr</p>	<p>RETTBERG Petra DLR, Institute of Aerospace Medicine Köln GERMANY Fax: + 49 2203 619 70 Email: petra.rettberg@dlr.de</p>
<p>RIBEIRO Lucia Regina Faculty of Medicine Botucatu BRAZIL Fax: + 55 148 212 348 Email: lribeiro@fmb.unesp.br</p>	<p>RICHARD Ann US Environmental Protection Agency Res. Triangle Park USA Fax: + 1 919 541 0694 Email: arichard@madmac.hert.epa.gov</p>	<p>RISOM Lotte National Institute of Occupational Health Copenhagen DENMARK Fax: + 45 39 270 107 Email: lri@ami.dk</p>	<p>ROBALO Mathews Faculty of Pharmacy Toulouse FRANCE</p>
<p>RODER Laurence Centre National de la Recherche Scientifique Marseille FRANCE Fax: + 33 4 91 82 06 82</p>	<p>RODRIGUES Antonio New University Lisbon Lisbon PORTUGAL Fax: + 351 1 362 2018 Email: jose.rueff@gene.unl.mailpacpt</p>	<p>RODRIGUES DE ANDRADE Heloisa Helena Porto Alegre BRAZIL Fax: + 55 513 192 011 Email: heloisa@ifn.if.ufrgs.br</p>	<p>ROEDEL Carsten Institut für Genetik Braunschweig GERMANY Fax: + 49 531 391 5765 Email: roedel@alpha.bio.nat.tu-bs.de</p>
<p>ROMET Sylvie Centre International de Toxicologie Evreux FRANCE Fax: + 33 2 32 67 87 05</p>	<p>ROSENBERG Susan University of Alberta Edmonton CANADA Fax: + 1 403 492 0886 Email: susan.rosenberg@ualberta.ca</p>	<p>ROSENKRANZ Herbert University of Pittsburgh Pittsburgh USA Fax: + 1 412 624 1289 Email: rsnkranz@vms.cis.pitt.edu</p>	<p>ROSSELLI Filippo Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21 Email: rosselli@curie.fr</p>
<p>ROSSIN Francis Thomas Glaxo Wellcome Research and Development Ware UNITED KINGDOM Fax: + 44 1920 882 679 Email: ftr9274@ggr.co.uk</p>	<p>ROUMAGNAC Sophie IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: roumagna@ipbs.fr</p>	<p>ROUTLEDGE Michael N. University of Lancaster Leicester UNITED KINGDOM Fax: + 44 116 252 5616 Email: mnr1@lc.ac.uk</p>	<p>RUBES Jiri Veterinary Research Institute Brno CZECH REPUBLIC Fax: + 420 5 412 11229 Email: olma@vuvel.anet.cz</p>
<p>RUDIGER Hugo W. Klin. Asteilung Arbeitsmedizin Wien AUSTRIA Fax: + 43 1 40880 11</p>	<p>RUSSO Antonella Universita' Degli Studi Padova Padova ITALY Fax: + 39 49 827 6280 Email: russo@civ.bio.unipd.it</p>	<p>RYBERG David National Institute of Occupational Health Oslo NORWAY Fax: + 47 2319 5203</p>	<p>RYZHOV Sergey V. Tomsk RUSSIA Fax: + 7 095 233 309</p>
<p>SABATIER Laure CEA Fontenay aux Roses FRANCE Fax: + 33 1 46 54 87 58 Email: sabatier@dsvidf.cea.fr</p>	<p>SAGE Evelyne CNRS Paris FRANCE Fax: + 33 1 46 33 30 16 Email: esage@curie.fr</p>	<p>SAGNIER Anne CNEVA Fougères FRANCE Fax: + 33 2 99 94 78 99</p>	<p>SAKAMOTO-HOJO Elza T. Faculdade Filosofia Ciências e Letras Ribeirão Preto BRAZIL Fax: + 55 663 350 15 Email: etshojo@usp.br</p>
<p>SALLES Bernard CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 33 Email: salles@ipbs.fr</p>	<p>SALLMANN Frédéric Unité de Santé et Environnement Québec CANADA Fax: + 1 418 654 2159 Email: Frédéric.Sallmann@crchul.ulaval.ca</p>	<p>SALVADORI Daisy Faculty of Medicine Unesp Botucatu BRAZIL Fax: + 55 148 212 348 Email: dfavero@fmb.unesp.br</p>	<p>SAMSON Leona Harvard School Public Health Boston USA Fax: + 1 617 432 0400 Email: samson@sph.harvard.edu</p>

<p>SAN Richard Microbiological Associates, Inc Rockville USA Fax: + 1 301 738 2362 Email: rsan@microbio.com</p>	<p>SAN SEBASTIAN Juan San Sebastian SPAIN Fax: + 34 43 311 726</p>	<p>SANDHU Shabeg National Health and Environment Effects Research Triangle Park USA Fax: + 1 919 541 4621 Email: sandhu.shabeg@epamail.epa.gov</p>	<p>SANDIGURSKY Margarita Albert Einstein College of Medicine of Yeshiva University New York USA Fax: + 1 718 430 4039 Email: framklin@ascom.yv.edu</p>
<p>SANDSTROM Bjorn FOA Umea SWEDEN Fax: + 46 90 10 68 03 Email: sandstrom@ume.foa.se</p>	<p>SARASIN Alain CNRS Villejuif FRANCE Fax: + 33 1 49 58 34 43 Email: sarasin@infobiogen.fr</p>	<p>SARGENTINI Neil Kirksville College Kirksville USA Fax: + 1 816 626 2523 Email: neils@fileserved4.kcom.edu</p>	<p>SASSOON Judyth Universitat Bern Bern SWITZERLAND Fax: + 41 31 631 4684</p>
<p>SATOH Chiyoko Radiation Effects Research Foundation Hiroshima JAPAN Fax: + 81 82 263 7279 Email: csatoh@rerf.or.jp</p>	<p>SATOH Masahiko Laval University Ste-foy CANADA Fax: + 1 418 654 2159 Email: masahilo.sato@crchu.laval.ca</p>	<p>SAUVAIGO Sylvie Commissariat à l'Energie Atomique Grenoble FRANCE</p>	<p>SAVAGE Bruce Cytocell Ltd Banbury UNITED KINGDOM Fax: + 44 1295 812 333 Email: pyoles@cytozell.co.uk</p>
<p>SAVELA Kirsti Finnish Institute of Occupational of Health Helsinki FINLAND Email: ksav@occuphealth.fi</p>	<p>SCHECHTMAN Leonard M. U.S. Food and Drug Administration Rockville, maryland USA Fax: + 1 301 594 2298 Email: lschecht@bangate.fda.gov</p>	<p>SCHILD Laura Purdue University West Lafayette USA Fax: + 1 765 494 9193 Email: schild@aclcb.purdue.edu</p>	<p>SCHILPP Carmia Elsevier Science Amsterdam THE NETHERLANDS Fax: + 31 20 485 2886 Email: cschilpp@elsevier.nl</p>
<p>SCHLAGER Manfred Institute of Genetics and General Biology Salzburg AUSTRIA Fax: + 43 662 8044 144 Email: manfred.schlager@mh.sbg.ac.at</p>	<p>SCHMEZER Peter German Cancer Research Center Heidelberg GERMANY Fax: + 49 622 1423 359 Email: p.schmezer@dkfz.heidelberg.de</p>	<p>SCHMID Claudia Ammug Mainz GERMANY Fax: + 49 6131 1733 64 Email: schmid+9@goofy.zdv.uni.mainz.de</p>	<p>SCHMID Thomas Gsf - Forschungszentrum Oberschleibheim GERMANY Fax: + 49 89 3187 2210 Email: schmid@gsf.de</p>
<p>SCHMIDT Henning Institut für Genetik Braunschweig GERMANY Fax: + 49 531 391 5765 Email: schmidt@alpha.bio.mat.tu-bs.de</p>	<p>SCHULER Maik University of California, Riverside Riverside USA Fax: + 1 909 787 3087 Email: miaiu@citrus.ucr.edu</p>	<p>SEDGWICK Barbara Imperial Cancer Resarch Fund Potters Bar UNITED KINGDOM Fax: + 44 171 269 3801 Email: sedgwick@icrf.icnet.uk</p>	<p>SEEMAYER Norbert H. Medical Institute of Environmental Hygiene Dusseldorf GERMANY Fax: + 49 211 3389 331</p>
<p>SEI-ICHI Nakamura Osaka Pref. Inst. of Public Health Osaka JAPAN Fax: + 81 697 223 93 Email: sinakamu@pref.osaka.jp</p>	<p>SERGSTAG Christian Institute of Toxicology Schwerzenbach SWITZERLAND Fax: + 41 182 504 76 Email: Sergstag@toxi.biol.ethz.ch</p>	<p>SHELBY Michael NIEHS Research Triangle Park USA Fax: + 1 919 541 4634 Email: shelby@niehs.nih.gov</p>	<p>SHIGERU Ohno Tokyo JAPAN Fax: + 81 3 3593 1166</p>
<p>SHILOH Yosef Tel Aviv University Medical School Tel Aviv ISRAEL Fax: + 972 3 640 7471 Email: yossih@csg.tau.ac.il</p>	<p>SHIMADA Tsutomu Osaka Prefectural Institute of Public Health Osaka JAPAN Fax: + 81 697 223 93 Email: shimada@iph.pref.osaka.jp</p>	<p>SICHEL François Université de Caen Caen FRANCE Fax: + 33 2 31 56 60 20 Email: sichel-f@baclesse.fr</p>	<p>SIFFEL Csaba National Institute of Public Health Budapest HUNGARY Fax: + 36 1 215 5773</p>
<p>SILVA L.M. Luciana Faculdade de Medicina Ribeirao Preto BRAZIL Fax: + 55 166 330 069</p>	<p>SKARZYNSKI Piotr NYCOMED SLOVENIA</p>	<p>SLAMENOVA Darina Cancer Research Institute Bratislava SLOVAK REPUBLIC Fax: + 421 7 5214 606 Email: slamenov@veo2.sauba.sk</p>	<p>SLEDZIEWSKA-GOJSKA Ewa Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: esg@ibbrain.ibb.waw.pl</p>

SMEYERS Hélène Faculty of Pharmacy Toulouse FRANCE	SMITH Julianne Institut Curie Paris FRANCE Fax: + 33 1 42 34 64 21	SNOW Elizabeth T. Nyu Medical Center Tuxedo USA Fax: + 1 914 351 3317 Email: snow@charlotte.med.nyu.edu	SODERLUND Erik National Institute of Public Health Oslo NORWAY Fax: + 47 22 04 2686 Email: mipt@sn.no
SOE Kent University of Aarhus Aarhus DENMARK Fax: + 45 894 22612 Email: ksp@mbio.aau.dk	SOFUNI Joshio Division of Genetics and Mutagenesis Tokyo JAPAN Fax: + 81 3 3700 2348 Email: sofuni@mihs.go.jp	SONE Hideko National Institute for Environmental Studies Ibaraki JAPAN Fax: + 81 298 502 588 Email: hstone@nies.go.jp	SRAM Radim J. LGE C/O Inst. of Exper. Medecine Prague CZECH REPUBLIC Fax: + 420 2 475 2785 Email: sram@biomed.cas.cz
STAEDTLER Frank Novartis Pharma AG Basel SWITZERLAND Fax: + 41 61 324 1565	STANKOWSKI Leon Chrysalis International Olyphant USA Fax: + 1 717 585 2383 Email: leon.stankowski@chrysalisintl.com	STARY Anne CNRS Villejuif FRANCE Fax: + 33 1 49 58 34 43 Email: stary@infobiogen.fr	STEFANINI Miria IGBE - CNR Pavia ITALY Fax: + 39 382 422 286 Email: stefanini@ipvgbe.igbe.pv.cnr.it
STIVALA Lucia Anna Istituto di Patologia Generale Pavia ITALY Fax: + 39 382 303 673 Email: l.stivala@botta.unipv.it	SUBIRADE Isabelle Université de Bordeaux I Talence FRANCE Fax: + 33 5 56 84 87 19 Email: i.subirade@istab.u-bordeaux.fr	SUGITA Kazutoshi Japan Quality Assurance Organization Tokyo JAPAN Fax: + 81 3 3474 4590 Email: jqa+369@niftyserve.or.jp	SUNDELT-BERGMAN Synnore Wattenfall Energisystem AB Stockholm SWEDEN Fax: + 46 8 739 6900 Email: synnove.sundellbergman@energisystem.wattenfall.se
SURRALLES Jordi Fac. Ciències UAB Bellaterra SPAIN Fax: + 34 3 581 2387 Email: jordi.surralles@blues.uab.es	SUSCHETET Marc INRA Dijon FRANCE Fax: + 33 3 80 63 32 32 Email: suschetet@diyon.inra.fr	SUTER Bernhard Institut of Cell Biology Zurich SWITZERLAND Fax: + 41 1 633 1069 Email: bsuter@cell.biol.ethz.ch	SUTER Willi Novartis Pharma AG Basel SWITZERLAND Fax: + 41 61 324 15 23
SUZUKI Takayoshi National Institute of Health Sciences Tokyo JAPAN Fax: + 81 3 3700 2348 Email: suzuki@nihs.go.jp	SVOBODA Daniel Hôpital de Maisonneuve-Rosemémont Montréal, Québec CANADA Fax: + 1 514 252 3430 Email: svobodad@ere.umontreal.ca	SZABOVA Elena Institute of Preventive and Clinical Medicine Bratislava SLOVAK REPUBLIC Fax: + 421 7 373 906	TAKAGI Yukihiko Azabu University Sagamihara JAPAN Fax: + 81 427 53 3395 Email: takagi@azabu-u.ac.jp
TAKEBE Hiraku Kyoto University Kyoto JAPAN Fax: + 81 75 753 4419 Email: htakebe@med.kyoto-u.ac.jp	TAKEJI Enya Kyoto JAPAN Fax: + 81 75 753 4000 Email: enja@kuchem.kyoto-u.ac.jp	TAKINAMI Shogo Okayama University Okayama JAPAN Fax: + 81 862 542 129 Email: m09016@pheasant.pharm.okayama-u.ac.jp	TALLON Irena Universitair Ziekenhuis Gent, poly 7 Gent BELGIUM Fax: + 32 9 240 49 91 Email: reen@club.innet.be
TANAKA Kiyoji Osaka University Suita, Osaka JAPAN Fax: + 81 6 877 9136 Email: ktanaka@imcb.osaka-u.ac.jp	TANAKA Yuji Okayama University Okayama JAPAN Email: pos-aune@po.harenet.or.jp	TANGUY LE GAC Nicolas CNRS - IPBS Toulouse FRANCE Fax: + 33 5 61 17 59 94 Email: tanguy@ipbs.fr	TANZARELLA Caterina Universita "Roma Tre" Roma ITALY Fax: + 39 6 445 68 66 Email: tanzarella@axcasp.caspar.it
TATENO Hiroyuki Asahikawa Medical College Asahikawa JAPAN Fax: + 81 166 65 5803 Email: htateno@asahikawa-med.ac.jp	TATES Ad University of Leiden Leiden THE NETHERLANDS Fax: + 31 71 522 1615 Email: tates@rulf2.leidenuniv.nl	TAVARES Denise Faculdade de Medecina Ribeirao Preto BRAZIL Fax: + 55 166 330 069 Email: dtavares@spider.usp.br.	TAVASSOLI Manoochehr School of Biological Sciences Brighton UNITED KINGDOM Fax: + 44 1273 678 433 Email: bafli@sussex.ac.uk

<p>TAYLOR Richard University of Manchester Manchester UNITED KINGDOM Fax: + 44 161 275 5600 Email: rtaylor@fsl.scg.man.ac.uk</p>	<p>TCHIRKOV Andréi Laboratoire de Cytogénétique Médicale Clermont-Ferrand FRANCE Fax: + 33 4 73 26 91 82</p>	<p>TENNANT Raymond National Institute of Environmental Health Sciences Res. Triangle Park USA Fax: + 1 919 541 1460 Email: tennant@niehs.nih.gov</p>	<p>TERADA Masaaki National Cancer Center Research Institute Tokyo JAPAN Fax: + 81 3 3248 0326 Email: mterada@gan2.ncc.go.jp</p>
<p>TESSIER Jacques Institut de Génétique et Microbiologie Nantes FRANCE Email: jacques@adg.sante.univ-nantes.fr</p>	<p>THACKER John MRC Radiation & Genome Stability Unit Harwell UNITED KINGDOM Fax: + 44 1235 834 776</p>	<p>Email: j.thacker@har.mrcac.uk THYBAUD Véronique Rhône-Poulenc Rorer Recherche-Developpement Vitry sur Seine FRANCE Fax: + 33 1 55 71 81 29</p>	<p>TICE Raymond Integrated Laboratory Systems Research Triangle Park USA Fax: + 1 919 544 50 91</p>
<p>TINDALL Kenneth R. NIEHS RTP USA Fax: + 1 919 541 7613 Email: tindall@niehs.nih.gov</p>	<p>TIVERON Cecilia ENEA Roma ITALY Fax: + 39 630 483 805</p>	<p>TLSTY Thea University of California San Francisco San Francisco USA Fax: + 1 415 502 6163 Email: rachelo'dwyer.pathmail@quickmail.ucsf.edu</p>	<p>TOMBOLAN Françoise CNRS Villejuif FRANCE Fax: + 33 1 55 71 81 97</p>
<p>TOMICIC Maja Faculty of Food Technology and Biotechnology Zagreb CROATIA Fax: + 385 1 411 436</p>	<p>TOPINKA Jan LGE C/O Inst. of Exper. Medicine Prague CZECH REPUBLIC Fax: + 420 2 475 2785 Email: jtopinka@biomed.cas.cz</p>	<p>TORNALETTI Silvia Stanford University Stanford USA Fax: + 1 415 725 1848 Email: Silviat@leland.Stanford.edu</p>	<p>TOUATI Eliette Institut Pasteur Paris FRANCE Fax: + 33 1 45 68 88 34 Email: etouati@pasteur.fr</p>
<p>TOUIL Nadia Vrije Universiteit Brussel Brussels BELGIUM Fax: + 32 262 93 408 Email: mtafazol@vnet3.vub.ac.be</p>	<p>TRAFIKANT Nathalie Laboratoire L. LAFON Maisons Alfort FRANCE Fax: + 33 1 49 81 82 20</p>	<p>TRICKER Anthony C/O FTR SA Neuchatel SWITZERLAND Fax: + 41 32 888 7776</p>	<p>TSUJI Kuniro University of Shizuoka Shizuoka JAPAN Fax: + 81 542 634 884</p>
<p>TUCKER Jim Laurence Livermore National Livermore USA Fax: + 1 510 466 2287 Email: tucker5@lnl.gov</p>	<p>TUDEK Barbara Institute of Biochemistry and Biophysics Warsaw POLAND Fax: + 48 39 12 16 23 Email: tuddek@ibbrain.ibb.waw.pl</p>	<p>TWEATS David Glaxo Wellcome Research & Development Ltd Ware, Herts UNITED KINGDOM Fax: + 44 1920 882 679 Email: djt1603@ggr.co.uk</p>	<p>TYRRELL Rex University of Bath Bath UNITED KINGDOM Fax: + 44 1225 826 114 Email: ptstmt@bath.ac.uk</p>
<p>TYRRELL UMAR Asad Res. Tri. Park USA Fax: + 1 919 541 7613 Email: umar@niehs.nih.gov</p>	<p>VACHKOVA PETROVA Rumiana National Center of Hygiene Sofia BULGARY Fax: + 359 2 595 81 277</p>	<p>VAGLENOV Alexander Univeristat Autonoma de Barcelona Bellaterra SPAIN Fax: + 34 3 581 2387</p>	<p>VALLOVA Bibiana Institute of Clinical and Preventive Medicine Bratislava SLOVAK REPUBLIC Fax: + 42 1737 3906 Email: moltox@uptm.sanct.sk</p>
<p>VAN BENTHEM Jan National Institut of Public Health and the Environment Bilthoven THE NETHERLANDS Fax: + 31 30 274 4446 Email: j.van.benthem@rivm.nl</p>	<p>VAN DELFT Joost Zeist THE NETHERLANDS Fax: + 31 30 696 0264 Email: vandelft@voeding.tno.nl</p>	<p>VAN DER LAAN Jan Willem National Institute for Public Health Bilthoven THE NETHERLANDS Fax: + 31 30 274 4422</p>	<p>VAN IMPE Sofie Vrije Universiteit Brussel Brussels BELGIUM Fax: + 32 262 934 08 Email: mdboeck@vnet3.vub.ac.be</p>
<p>VAN LAREBEKE Nik Ter Kl Vizendreef Rode BELGIUM Fax: + 32 381 16 45 Email: n.vanlarebeke@vmm.be</p>	<p>VAN MECHELEN Margriet Vrije Universiteit Brussel Brussels BELGIUM Fax: + 32 262 934 08 Email: mdboeck@vnet3.vub.ac.be</p>	<p>VAN STEEG Harry National Institut of Public Health and the Environment Bilthoven THE NETHERLANDS Fax: + 31 30 274 4446 Email: H.vum.Stug@rivm.nl</p>	<p>VAN VLIET Els Health Council of the Netherlands Rijswijk THE NETHERLANDS Fax: + 31 70 340 7523 Email: pw.van.vliet@gr.nl</p>

VAN ZEELAND Albert A.
Leiden University
Leiden
THE NETHERLANDS
Fax: + 31 71 522 1615
Email: zeeland@rulf2.leidenuniv.nl

VANPARYS Philippe
Janssen Pharmaceutica N.V.
Beerse
BELGIUM
Fax: + 32 14 605 150
Email: pvanpary@janbc.lcl.ssw.jnj.com

VANRULLEN Isabelle
INRA - CRJ
Jouy en Josas
FRANCE
Fax: + 33 1 69 01 19 18

VARGAS Vera Maria Ferrao
Fundação Estadual de Portegaço
Ambiental
Porto Alegre
BRAZIL
Fax: + 55 513 342 409

VARGOVA Hana
Cancer Research Institute
Bratislava
SLOVAKIA
Fax: + 42 17 5214 604
Email: pirscl@ueo.savba.sk

VASILIEVA Svetlana
Institute of Biochemical Physics RAS
Moscow
RUSSIA
Fax: + 95 137 410
Email: chembio@glas.apc.org

VASSEUR Paule
Université de Metz
Metz
FRANCE
Fax: + 33 3 87 75 81 89

VELASQUEZ Antonia
Fac. Ciencias UAB
Bellaterra
SPAIN
Fax: + 34 581 2387
Email: avh@cc.uab.es

VENDERBURE Claude
GEMC - Institut Curie
Orsay
FRANCE
Email: claude.venderbure@curie.u-psud.fr

VENIER Paola
University of Padova
Padova
ITALY
Fax: + 39 49 827 6280
Email: venier@tciv.bis.unifd.it

VERDIER François
Chrysalis
L'Arbresle
FRANCE
Fax: + 33 4 74 01 63 99

VERDOODT Berlinda
Free University of Brussels
Brussels
BELGIUM
Fax: + 32 2 629 34 08
Email: bverdood@vnet3.vub.ac.be

VERICAT Joan
Synthelabo-Recherche
Gargenville
FRANCE
Fax: + 33 1 34 97 37 10

VIAN Laurence
Faculté de Pharmacie
Montpellier
FRANCE
Fax: + 33 4 67 41 08 32
Email: lvian@balard.pharm.univ-montpl.fr

VICTORIN Katarina
Institute of Environmental Medicine
Stockholm
SWEDEN
Fax: + 46 8 33 69 81
Email: katarina.victorin@imm.se

VIKSE Rose
National Institute of Public Health
Oslo
NORWAY
Fax: + 47 22 04 26 86

VINCENT Françoise
Ifremer
Nantes
FRANCE
Fax: + 33 2 40 37 40 75
Email: fvincent@ifremer.fr

VINEIS Paolo
Dipartimento Science Biomediche
Torino
ITALY
Fax: + 39 11 670 6692
Email: vineis@inrete.it

VINOT Martin
NOESIS
Orsay
FRANCE
Fax: + 33 1 69 35 30 01

VISPE Stéphane
CNRS - IPBS
Toulouse
FRANCE
Fax: + 33 5 61 17 59 94
Email: vispe@ipbs.fr

VLCEK Daniel
Comenius University
Bratislava
SLOVAKIA
Fax: + 42 17 729 064
Email: vlcek@fns.uniba.sk

VLCKOVA Viera
Comenius University
Bratislava
SLOVAKIA
Fax: + 42 17 729 064
Email: vlckova@fns.uniba.sk

VOGEL Ekkehart W.
Department of Radiation Genetics
and Chemical Mutagenesis
Leiden
THE NETHERLANDS
Fax: + 31 71 522 1615
Email: vogel@rulf2.medfac.LeidenUniv.nl

VON BORSTEL Robert C.
University of Alberta
Edmonton, Alberta
CANADA
Fax: + 1 403 492 1903
Email: rc.von-borstel@ualberta.ca

VRIELING Harry
Sylvius Laboratorium
Leiden
THE NETHERLANDS
Fax: + 31 71 522 1615
Email: vrieling@rulf2.Leiden.Univ.nl

VUILLAUME Monique
ENS
Paris
FRANCE
Fax: + 33 1 44 32 33 25
Email: Monique.Vuillaume@ens.fr

WAKABAYASHI Keiji
Tokyo
JAPAN
Fax: + 81 3 3543 9305
Email: kwakabay@gan2.ncc.go.jp

WAKATA Akihiro
Tokyo
JAPAN
Fax: + 81 3 3960 8788
Email: wakata@yamanouchi.co.jp

WALDMANN Petra
Mainz University
Mainz
GERMANY
Fax: + 49 6131 173364

WALTON Kim
University of Surrey
Surrey
UNITED KINGDOM
Fax: + 44 1483 300 374
Email: k.walton@surrey.ac.uk

WARD Paula
Covance Laboratorie Ltd
Harrogate
UNITED KINGDOM
Fax: + 44 1423 501 999
Email: pward@hazle.co.uk

WATANABE Tetsushi
Kyoto
JAPAN
Fax: + 81 75 595 4769
Email: watanabe@mb.kyoto-phu.ac.jp

WATERS Michael
U.S. EPA
RTP
USA
Fax: + 1 919 541 1440
Email: waters.mike@epamail.epa.gov

WATERS Raymond
University of Wales Swansea
Swansea
UNITED KINGDOM
Fax: + 44 179 229 5447
Email: rawaters@swansea.ac.uk

WEBER Marion
RTC SpA
Pomezia
ITALY
Fax: + 39 6 9109 5737

WEICHSELBAUM Ralph
University of Chicago Medical
Center
Chicago
USA
Fax: + 1 312 702 5940

- WESSLER Adelheid**
WFM Gmbh
Mainz
GERMANY
Fax: + 49 6131 126 693
- WEST Stephen**
Imperial Cancer Research Fund
South Mimms
UNITED KINGDOM
Fax: + 44 171 269 3811
Email: west@icrf.icnet.uk
- WHITE Paul A.**
US Environmental Protection Agency
Narragansett
USA
Fax: + 1 401 782 3030
Email: white.paulA@epamail.epa.gov
- WHITTINGTON Rachael**
University of Plymouth
Plymouth
UNITED KINGDOM
Fax: + 44 1752 232 927
Email: whittington@plymouth.ac.uk
-
- WIJEN John**
Department of Radiation Genetics and
Chemical Mutagenesis
Leiden
THE NETHERLANDS
Fax: + 31 71 522 1615
Email: wijen.Rulf2.MedFac.Leidenuniv.nl
- WIJKER Karen**
Vrije Universiteit
Amsterdam
THE NETHERLANDS
Fax: + 31 204 448 225
Email: CA.wijker.oncol@med.vu.nl
- WILLIAMS William Robert David**
Glaxo Wellcome Research and
Development
Ware
UNITED KINGDOM
Fax: + 44 1920 882 679
Email: wrw2095@ggr.co.uk
- WOJCIK Anna**
Institute of Biochemistry And
Biophysics
Warsaw
POLAND
Fax: + 48 39 12 16 23
Email: annaw@ibbrain.ibb.waw.pl
-
- WOJEWODZKA Maria**
Institute of Nuclear Chemistry and
Technology
Warsaw
POLAND
Fax: + 48 2211 15 32
Email: marylaw@orange.ichtj.waw.pl
- WOLFF Thomas**
Institut of Toxicologie
Neuherberg
GERMANY
Fax: + 49 89 3187 3449
- WOLFREYS Alison**
Unilever Research
Bedford
UNITED KINGDOM
Fax: + 44 1234 222 122
Email: ali.wolfreys@unilever.com
- WRIGHT Eric**
MRC Radiation and Genome
Stability Unit
Oxford Shire
UNITED KINGDOM
Fax: + 44 1235 834 776
Email: e.wright@har.mrc.ac.uk
-
- WUNDERLICH Heinz-Günter**
Institut für Wasser
Bad Elster
GERMANY
Fax: + 49 37437 76219
- WYSZYNSKA Kalina**
Instytut Medycyny Pracy
Lodz
POLAND
Fax: + 48 42 314 610
Email: ksitarek@portaimp.lodz.pl
- XIAO Yun**
Rijks Universiteit
Leiden
THE NETHERLANDS
Fax: + 31 71 522 1615
Email: yun@rulf2.medfac.leidenuniv.nl
- XUE Kai-Xian**
Cancer Institute of Jiangsu Province
Nanjing
CHINA
-
- YANG Mi Hee**
University of Occupational &
Environmental Health
Kitakyushu
JAPAN
Fax: + 81 936 919 341
Email: mhyang@med.uoeh-u.ac.jp
- YASUI Akira**
Tohoku University
Sendai
JAPAN
Fax: + 81 22 717 8470
Email: ayasui@idac.tohoku.ac.jp
- YATAGAI Fumio**
The Institute of Physical and
Chemical Research
Wako-Shi, Saitama
JAPAN
Fax: + 81 48 462 4636
Email: yatagai@postman.riken.go.jp
- YIN Mu-quan**
Second Military Medical University
Shanghai
CHINA
Fax: + 86 21 654 90555
Email: yinkai@ecmu.ihep.ac.cn
-
- YOSHIHARU Okuno**
Kinki University
Osaka
JAPAN
Fax: + 81 6 727 4301
Email: miyazawa@apch.kindai.ac.jp
- YOSHIRO Ono**
University of Okayama
Okayama
JAPAN
Fax: + 81 86 253 2993
Email: ono@cc.okayama-u.ac.jp
- YU Yingnian**
Zhejiang Medical University
Hangzhou, Zhejiang
CHINA
Fax: + 86 571 707 1571
- ZDZIENICKA Margaret Z.**
University of Leiden
Leiden
THE NETHERLANDS
Fax: + 31 71 522 1615
Email: zdzienicka@rulf2.leidenuniv.nl
-
- ZE ZHEN Zhao**
Hebei Cancer Institute
Shijiazhuang
CHINA
Fax: + 86 311 607 7634
- ZEIGER Errol**
N.I.E.H.S.
Research Triangle Park
USA
Fax: + 1 919 541 2242
Email: zeiger@niehs.nih.gov
- ZELJENKOVA Dagmar**
Institute of Preventive and Clinical
Medicine
Bratislava
SLOVAK REPUBLIC
Fax: + 421 7 373 906
- ZENG Lin**
CNRS
Villejuif
FRANCE
Fax: + 33 1 49 58 34 43
Email: zeng@infobiogen.fr
-
- ZIENOLDDINY Shanbeh**
Oslo
NORWAY
Fax: + 47 231 952 03
Email: shanbeh.zienolddiny@slami.no
- ZLINO Andrea**
Istituto Superiore di Sanita
Rome
ITALY
Fax: + 39 6 493 87139
- ZOOK Bernard C.**
The George Washington University
Washington
USA
Fax: + 1 202 994 5091
- ZUO-SHU Jiang**
Shanghai
CHINA
Fax: + 86 21 589 93709