

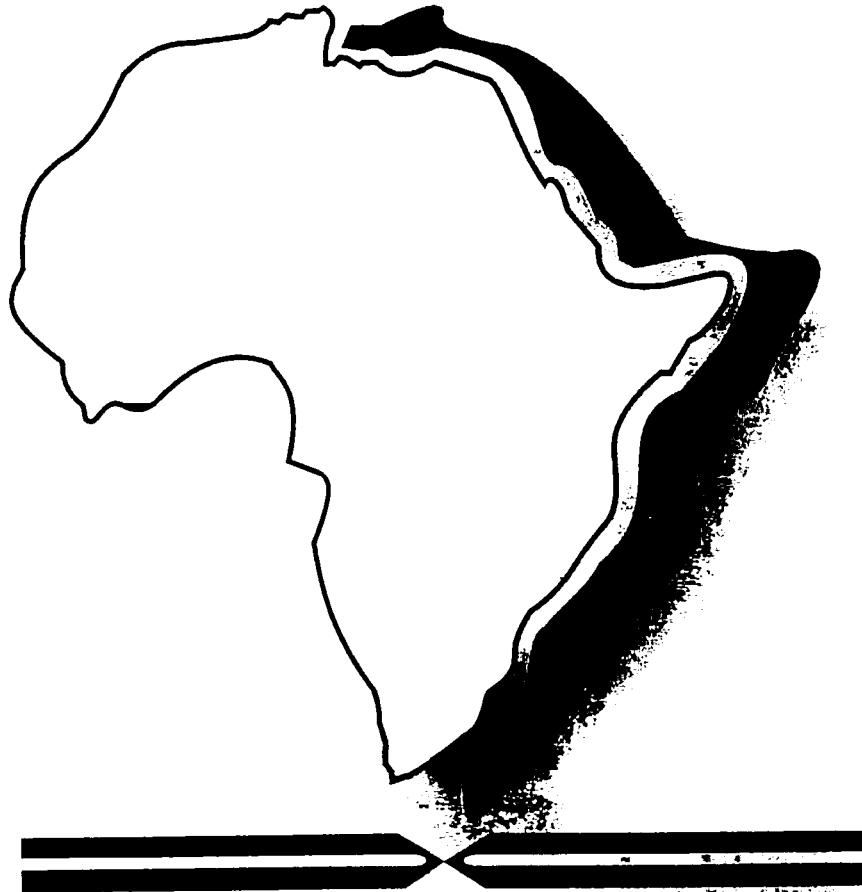
*6th Hollaender Course*

*March 1-5 1999*

*Harare, Zimbabwe, Africa*

# PAEMS '99

PAN-AFRICAN ENVIRONMENTAL MUTAGEN SOCIETY



THIRD INTERNATIONAL CONFERENCE ON

**"SUSCEPTIBILITY TO  
ENVIRONMENTAL MUTAGENS:  
MOLECULAR, EPIDEMIOLOGICAL AND  
PUBLIC HEALTH ASPECTS"**

1 - 5 MARCH 1999  
HARARE, ZIMBABWE, AFRICA

**SECOND ANNOUNCEMENT**

MONDAY 1 MARCH 1999

08h00- 08h30      Registration.

**Identification Of Environmental Hazardous Agents**

08h30-09h30      Dr David De Marini : *"Uses Of The Salmonella Mutagenicity Assay"*.

09h30-09h40      Discussion.

09h40-10h10      Refreshments.

**Strategies For Conducting Population Monitoring Studies**

10h10-11h10      Dr Fred Kadlubar : *"Strategies For Conducting Population Monitoring Studies"*.

11h10-11h20      Discussion.

**Biomarkers For Exposure**

11h20-12h20      Prof Peter Farmer : *"Biomarkers For Exposure"*.

12h20-12h30      Discussion.

12h30-14h00      Lunch.

**Biomarkers Of Effects In Human Population Studies**

14h00-15h00      Dr David Eastmond : *"Biomarkers Of Effects In Human Population Studies"*.

15h00-15h10      Discussion.

15h10-15h40      Refreshments.

**Strategies For Data Evaluation And For Publications**

15h40-16h40      Dr Errol Zeiger : *"Strategies For Data Evaluation And For Publications"*.

16h40-16h50      Discussion.

16h50-17h00      Closing Remarks.

# MONDAY 1 MARCH 1999

08h00-08h30

Registration For Workshop.

08h30-16h20

Hollaender Workshop On "Research Design For Genetic Toxicology Studies"  
(Includes Morning And Afternoon Refreshments And Lunch.)

15h00

Registration For Conference.

17h30-20h00

Opening Ceremony And Welcome Reception.

Guest of Honour : Dr The Hon Timothy Stamps, Minister of Health and Child Welfare  
Government of Zimbabwe.



07h30-08h30 Registration For Conference.

**SYMPOSIUM 1: MARKERS OF EXPOSURE AND SUSCEPTIBILITY**

(Chairpersons: Prof Julia Hasler And Prof Okezie Aruoma)

08h30-08h45 Introduction.

08h45-09h30 Keynote Address : Dr Fred F Kadlubar (Arkansas, U.S.A.) :

*"Application Of Molecular Markers In Epidemiology"*.

09h30-10h00 Plenary 1 : Prof Peter Farmer (MRC Toxicology Unit, U.K.) :

*"Protein Adducts As Markers Of Exposure To Genotoxic Compounds"*.

10h00-10h30 Refreshments.

11h00-11h30 Plenary 2 : Prof Bo Lambert (Karolinska Institute, Huddinge, Sweden) :

*"HPRT Mutation As Markers Of Exposure And Susceptibility To Environmental Mutagens"*.

11h00-11h15 O.1.1 : Dr David De Marini :

*"Mutation Spectra Of Complex Mixtures"*.

11h15-11h30 O.1.2 : Dr Andreas Kappas :

*"Micronuclei Identification In Human Lymphocytes Exposed To Organic Solvents"*.

11h30-11h45 O.1.3 : Dr Yogeshkumar Naik :

*"Pesticide Induced Alterations In Xenobiotic Metabolising Enzymes Of The Aquatic Snail Bulinus Tropicus"*.

11h45-12h00 O.1.4 : Dr Volker Mersch-Sundermann : *Univ. of Heidelberg, Germany*

*"The Computer Automated Structure Evaluation (CASE), MULTICASE And META : Computer Models For The Evaluation Of Adverse Effects Of Chemical Compounds And Metabolites"*.

12h00-13h30 Lunch

Attended Poster Sessions : P.1.1 to P.2.9.

**SYMPOSIUM 2 : MECHANISMS OF MUTAGENESIS AND CARCINOGENESIS**

(Chairpersons : Prof M Iqbal Parker And Dr Philippe Nikiema)

13h30-14h00 Plenary 3 : Dr Ray W Tennant (NIEHS, North Carolina, U.S.A.) :

*"Transgenic Models For Mutagenesis And Carcinogenesis"*.

14h00-14h30 Plenary 4 : Dr Collen Masimirembwa (Sweden/Zimbabwe) :

*"Utility Of Recombinant Human Cytochrome P450s In Chemical Carcinogenesis Research"*.

14h30-14h45 O.2.1 : Dr Elizabeth Mambo :

*"Defective Nucleotide Excision Repair In Breast Cancer Cell Lines"*.

14h45-15h00 O.2.2 : Prof Marcela A Rizzotto :

*"Interaction Of Sugars Constituent Of Nucleic Acids With Carcinogenic Cr(VI) Compounds"*.

15h00-15h15 O.2.3 : Prof Barry Noller :

*"Bracken Carcinogenesis"*.

15h15-15h45 Refreshments.

15h45-16h15 Plenary 5 : Prof Hiroshi Kasai (University Of Occupational And Environmental Health, Japan) : *"Overview Of Genotoxic Effects Of Reactive Oxygen Species"*.

16h15-16h45 Plenary 6 : Prof Okezie Aruoma (Sao Paulo, Brazil) :

*"Free Radicals, Plant Food-Derived Antioxidants And The Environment"*.

16h45-17h00 O.2.4 : Dr Kensese S A Mossanda :

*"Antioxidant Enzymes Effects On Mutagenic Species"*.

17h00-17h15 O.2.5 : Mr Tapiwanashe Magwere :

*"Levels Of Oxidative Damage To DNA And Lipids In Chloroquine And Primaquine-Treated Rat Livers"*.

Evening Free.

**SYMPOSIUM 3 : NATURALLY OCCURRING MUTAGENS AND CARCINOGENS INCLUDING INFECTIOUS MICRO ORGANISMS**

- (Chairpersons: Dr Collen Masimirembwa And Prof Emmanuel E Obaseiki-Ebor)
- 08h30-09h00 Plenary 7 : Dr Nubia Munoz (IARC, France) :  
*"Overview Of Viral And Other Biological Agents In Carcinogenesis"*.
- 09h00-09h30 Plenary 8 : Prof Walter F O Marasas (MRC, South Africa) :  
*"Risk Assessment Of Fumonisin In Maize"*.
- 09h30-09h45 0.3.1 : Prof Oubaas Pretorius :  
*"Yeast As A Model System For Studying The Action Of Fumonisin B1"*.
- 09h45-10h00 0.3.2 : Prof H S Nyandieka :  
*"Aflatoxin B1 Content Of Food And The Frequency Of Liver Cancer In Kenya"*.
- 10h00-10h30 Refreshments.
- 10h30-11h00 Plenary 9 : Prof M Iqbal Parker (Cape Town, South Africa):  
*"Oesophageal Cancer Research : Demography To DNA"*.
- 11h00-11h30 Plenary 10 : Dr Philippe Nikiema (Ouagadougou, Burkina Faso) :  
*"Exposure To Mycotoxins, And Hepatitis B And C Viruses In The Etiology Of Liver Cancer In Burkina Faso"*.
- 11h30-11h45 0.3.3 : Mr Andrew H Siwela :  
*"Status Of Aflatoxin Research In Zimbabwe Since 1962"*.
- 11h45-12h00 0.3.4 : Dr Hester F Vismer :  
*"Growth And Aflatoxin Production Of Aflatoxigenic Strains Of Aspergillus Flavus On Areca Nut"*.
- 12h00-12h15 0.3.5 : Mr Ngoko Zachee :  
*"Biological And Physical Constraints On Maize Grain Quality In The Humid Forest And Highlands Of Cameroon"*.
- 12h15-14h00 Lunch  
 Attended Poster Sessions - P.3.1 to P.3.6.
- 14h00-14h15 0.4.1 : Dr Kirsten Hell :  
*"Strategy To Reduce Human Exposure To Aflatoxin In West Africa"*.
- 14h15-14h30 0.4.2 : Dr Appolinaire Tagne :  
*"Natural Control Of Fungi And Mycotoxin In Grains - A Means To Reduce Human And Animal Cancer"*.

**SYMPOSIUM 4 : PUBLIC HEALTH IMPLICATIONS OF EXPOSURE**

- (Chairpersons: Prof Charles Nhachi And Prof Mohamed A Al-Khafif)
- 14h30-15h00 Plenary 11 : Dr Stefano Bonassi (Institute Of Cancer Research, Genoa, Italy) :  
*"Genotoxic Effects Of Pesticides"*.
- 15h00-15h30 Plenary 12 : Prof Herman Autrup (University Of Aarhus, Denmark) :  
*"Ambient Air Pollution And Adverse Health Effects"*.
- 15h30-16h00 Refreshments.
- 19h00 African Spectacular At Chapungu Village - Ticketed Event.

**SYMPOSIUM 4 : PUBLIC HEALTH IMPLICATIONS OF EXPOSURE**

(Chairpersons: Prof Walter F O Marasas And Prof Ahmed J Ngomuo)

- 09h00-09h30 Plenary 13 : Prof Wagida Anwar, (Cairo, Egypt) :  
*"Assessment Of Cytogenetic Changes And Genetic Susceptibility In Human Populations At Risk"*.
- 09h30-09h45 0.4.3 : Dr Soheir Saad Korraa :  
*"Effect Of Tocopherol Administration On The Frequency Of Chromosomal Aberrations Among Asbestos Exposed Workers"*.
- 09h45-10h00 0.4.4 : Dr Magdy Ahmed Ghoneim :  
*"Tumor Markers, Hormonal, Biochemical And Histopathological Changes In Albino Rats Exposed To Chronic Toxicity With Cyfluthrin"*.
- 10h00-10h45 Refreshments.
- 10h45-11h15 Plenary 14 : Dr Jerry Rice (IARC, France) :  
*"Overview Of Helicobacter Infections In Humans And Animals In Relation To Carcinogenesis In Different Tissues"*.
- 11h15-11h45 Plenary 15 : Dr Sharon Whelan (IARC, France) :  
*"Overview Of The Prevalence Of Cancers In Africa"*.
- 11h45-12h00 0.4.5 : Dr Fekadu Kassie :  
*"First Evidence For Induction Of Genotoxic Effects By Khat (Khat Edulis) Consumption In Humans"*.
- 12h00-14h00 Lunch.  
 Attended Poster Sessions - P.4.1 to P.5.2.

**SYMPOSIUM 5 : STRATEGIES FOR DISEASE PREVENTION - RECENT ADVANCES AND FUTURE OPTIONS**

(Chairpersons: Prof Wagida Anwar And Prof Clever Nyathi)

- 14h00-14h30 Plenary 16 : Dr Jerry Rice (IARC, France) :  
*"Prevention Strategies : Avenues For The Future"*.
- 14h30-15h00 Plenary 17 : Prof Hiyoka Hayatsu (Okayama University, Japan) :  
*"Chemoprevention : Search For Dietary Antimutagens"*.
- 15h00-15h15 0.5.1 : Dr Mairam Gulumian :  
*"Therapeutic Intervention Strategy For Heavy Metal Poisoning : Testing The Efficacy Of Newly Synthesised Chelating Agents As Antidotes For Cadmium Poisoning"*.
- 15h15-15h30 0.5.2 : Dr Maman M Malam Alma :  
*"Elimination Of Phenol And Chlorophenols In Slow Filtration On Sand And On Polystyrene"*.
- 15h30-16h00 Refreshments.
- 16h00-16h30 Plenary 18 : Dr Greg D Kirk (Banjul, The Gambia) :  
*"Liver Cancer Prevention Programmes : Experience From The Gambia Hepatitis Intervention Study"*.
- 16h30-17h00 Plenary 19 : Dr Christopher Schonwalder (NIEHS, U.S.A.) :  
*"Developing Scientific Partnerships To Solve Complex Environmental Problems"*.
- 20h00 Banquet - Ticketed Event.

09h00-11h00 Round Table Discussion Session For Representatives From Different Parts Of The World (Representatives Of The Various Environmental Mutagen Societies, IARC, NIEHS, EPA And Other Scientists Interested In A Global Approach To Research). The Aim Is To Stimulate Regional And International Collaborations And To Encourage African Involvement In Global Projects

11h00- 11h30 Refreshments.

11h30-12h00 Summary And Closing Of Conference.

12h00-13h30 Lunch.

14h30 PAEMS General Meeting And Election Of New Executive.

15h30 Refreshments.

Evening Free.