

4th Hollaender Course

September 15-18 1997

Cairo, Egypt

Ministry of Health and Population

The 4th Alexander Hollaender Training Course in Genetic Toxicology

Cairo, 15 - 18 September, 1997

P r o g r a m



Under Auspices of
H.E Prof. Dr. Ismail Sallam

Welcome Message



During his lifetime, Dr. Alexander Hollaender organized training courses in mutagenesis in developing countries. In order to continue Dr. Hollaender's commitment, the Alexander Hollaender Fund committee of the U.S. EMS has organized training courses in Mexico [November 1993], Argentina [December, 1994] and South Africa [January 1996]. The 4th Alexander Hollaender Training Course in Cairo, Egypt [15-18 September 1997] is considered a Satellite Meeting of the 7th International Conference on Environmental Mutagens. The goal is to bring scientists from developing countries to this course to gain training in Contemporary Genetic Toxicology.

It is a great pleasure to welcome you to this course.

Prof. Wagida A. Anwar

Sponsors

- Ministry of Health and Population, Egypt
- Ministry of International Cooperation, Egypt
- Ministry of Foreign Affairs: African Fund, Egypt
- Ministry of Agriculture, Egypt
- National Institute of Environmental Health Sciences (NIEHS), NIH, USA
- British Council, Egypt
- Pan African Environmental Mutagen Society

Location

➤ Lectures

- Cairo Meridien Hotel, Cairo, Egypt.

➤ Practical Sessions:

- Central Laboratories, Ministry of Health and Population
- Molecular Epidemiology Unit, Dept. of Community, Environmental and Occupational Medicine, Faculty of Medicine, Ain Shams University.

Organizers of the Practical Sessions

Magda Rakha
Magdy Ghoneim
Hatem El-Sebaai
El-Hussein El-Khattib
Maha-El Gaafary

Nabil Saiid
Omima Hassanein
Maha Youssef
Nermin Tayseer

Coordinating Committee

Mamdouh Kamal
Ehab Shehad
Amira Gamal
Dalia Ezzat
Fawzia Abdel Fattah
Ahmed Soltan
Mohamed Abdel Fattah
Hala Farouk Hassan

Naglaa Sameh Radwan
Mohamed Ibrahim
Iman Abdel-Khalek
Naguia Sayed Amin
Mahmoud Wagih
Ahmed Abdel Aziz
Mohamed El Moghazy
Yousry Fayad

Sunday 14/9/1997

19.30-21.00 **Opening ceremony**

**** H.E Professor Ismail Sallam**
Minister of Health and Population, Egypt

**** Prof. Raymond Tice, USA**
**** Prof. Wagida Anwar, Egypt**

Monday 15/9/1997

8.00-10.00 **Registration**

Session I

10.00-13.00

Coordinator: *R. Tice (USA)*

- 10.00-10.45 The Use of Different Cytogenetic Biomarkers in Human Population Monitoring
W. Anwar (Egypt)
- 10.45-11.30 Genetic Polymorphism and Susceptibility to Cancer
D. Bell (USA)
- 11.30-12.15 Isolation of RDA Markers from the Rats and their Application for Identification of Cancer Susceptible Genes.
M. Nagao (Japan)
- 12.15-13.00 Discussion

13.00-14.00 Lunch Break

Session II

14:00

Coordinator: *D. Bell (USA)*

16:00

Introduction to the practical sessions

-D. DeMarini -D.A. Bell -R.Tice -M.Hayashi -A.Elhajouji -W.Anwar

Practical Session (15.00-18.00)

**** Ames Test (Group I) 1st session**
D. DeMarini (USA)

Central Laboratories, MOHP

**** DNA Extraction and Preparation for PCR**
W. Anwar, N. Saiid, H. Sebail (Egypt)

Molecular Epidemiology Unit, Faculty of
Medicine, Ain-Shams University.

Wednesday 17/9/1997

Session IV

9:00 - 13:00

Coordinator: C. Wild (UK)

9.00-9.45 The Single Cell Gel (SCG) Assay: A Sensitive Method = 20 for the Detection of DNA Damage and Repair in Individual Cells

R. Tice (USA)

9.45-10.30 PCR Methods for Genotyping

D.A. Bell (USA)

10.30-11.00

Coffee Break

11.00-11.45 Oesophageal Cancer in South Africa

M. Parker (South Africa)

11.45-12.30 **Short presentations:**

** Cytogenetic Analysis of the V39 Melanoma Cell Line

L.El Jabhan (Syria)

** Biomarker Studies on Urine Samples and Lymphocytes of Workers Occupationally Exposed to Carcinogens

C. Varga (Hungary)

** The Influence of Low Level Radiation on Mamalian Cells

K. Meehan (South Africa)

12.30-13.00 Discussion

13.00-14.00

Lunch Break

Practical Session (15.00-18.00)

** Ames Test (Group 1) - 2nd session

D.DeMarini (USA)

Central Laboratories, MOHP

** Genotyping

D.A. Bell (USA)

Central Laboratories, MOHP

** FISH Technique

W. Anwar, M. El Gaafary, O.Hassanein,

N. Taysser (Egypt)

Molecular Epidemiology Unit, Faculty of
Medicine, Ain-Shams University.