

**14th Alexander Hollaender Course on Genetic Toxicology:
Genomic and Proteomic Approaches
Indian Institute of Chemical Biology, Kolkata, India
10-12 December 2008**

| December 10, 2008 | |
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| Time | Event |
| 8:30 am – 9:30 am | Registration |
| 9:30 am – 10:30 am | Inauguration |
| 9:30 am – 9:35 am | Lighting of the Lamp |
| 9:35 am – 9:45 am | Dr. Siddhartha Roy (Director, IICB) Welcome Address |
| 9:45 am – 9:55 am | Dr. H.S. Maiti (Director, CGCRI) Welcome Address |
| 9:55 am – 10:05 am | Dr. A.B. Prasad (President, EMSI) Remarks by EMSI President |
| 10:05 am – 10:25 am | Dr. David DeMarini (President, IAEMS) Keynote Address |
| 10:25 am – 10:30 am | Dr. A. K. Giri (Organizing-Secretary) Vote of Thanks |
| 10:30 am – 11:00 am | HIGH TEA |
| 11:00 am – 1:00 am | Session I: Population monitoring for health hazards (Chairperson: Dr. David DeMarini) |
| 11:00 am – 11:45 am | Prof. B. Eskenazi Molecular epidemiology of children's environmental health |
| 11:45 am – 12:30 pm | Dr. Stefano Bonassi Genetic monitoring of human populations: Risk evaluation and prevention |
| 12:30 pm – 1:00 pm | Dr. Xia Huo Hazards of uncontrolled electronic waste recycling to environment and human |
| 1:00 pm – 2:00 pm | LUNCH |
| 2:00 pm – 3:15 pm | Session II: Mutagenic hazards of environmental toxic substances (Chairperson: Dr. B. Eskenazi) |
| 2:00 pm – 3:45 pm | Dr. David DeMarini Genotoxicity and Carcinogenicity of Disinfection By-products in Drinking Water |
| 2:45 pm – 3:15 pm | Dr. Malyn Chulasiri Phytoprotection of UV-induced genotoxicity in photoaging |
| 3:15 pm – 3:45 pm | Dr. Alok Dhawan Challenges in Nanomaterial Toxicology / Genotoxicity of metal nanoparticles |
| 3:45 pm – 4:15 pm | TEA |
| 4:15 pm – 5:45 pm | Session III: Current and novel mutagenic assays (Chairperson: Dr. Christopher States) |
| 4:15 pm – 4:45 pm | Dr. Takehiko Nohmi Transgenic in vivo genotoxicity assays: basic features and the possible applications |
| 4:45 pm – 5:15 pm | Dr. Brinda Mahadevan Transcriptional Drilling to Understand the Influence of Environmental Complex Mixtures |
| 5:15 pm – 5:45 pm | Dr. Elmar Richter Biomonitoring of TSNA exposure: Hemoglobin and DNA adducts releasing 4-hydroxy-1-(3-pyridyl)-1-butanone (HPB) in nonsmokers, smokers and snuffers |
| 6:00 pm – 7:00 pm | Cultural Program (Indian Classical Dance) |
| 7:30 pm – 9:00 pm | DINNER |

December 11, 2008

| Time | Event | |
|-----------------------|---|---|
| 9:30 am – 10:45 am | Session IV: Mechanisms of mutagenesis and carcinogenesis (Chairperson: Dr. Takehiko Nohmi) | |
| 9:30 am – 10:15 am | Dr. Keshav K. Singh | Genomic Changes Associated with Carcinogenesis |
| 10:15 am – 10:45 am | Shilla Chakrabarty | Deleterious Effects of Polynuclear Aromatic Hydrocarbons on Female Reproductive Tissues |
| 10:45 am – 11:15 pm | TEA | |
| 11:15 am – 1:00 pm | Session V: Genomic and Proteomic Approaches in Genetic Toxicology (Chairperson: Dr. Keshav K. Singh) | |
| 11:15 am – 12:00 noon | Prof. J. Christopher States | Transplacental arsenic induced changes in liver gene expression |
| 12:00 noon – 12:45 pm | Dr. Raghothama Chaerkady | Quantitative Proteomic Approaches and Their Applications to Toxicology |
| 12:45 pm – 1:45 pm | LUNCH | |
| 1:45 am – 2:45 pm | Session VI: Poster Session (Chairperson: Dr. David DeMarini) | |
| 2:45 pm – 3:15 pm | TEA | |
| 3:15 pm – 6:30 pm | Session VII: Special workshop on arsenic exposure assessment [PRAMA: Probabilistic Risk Assessment Modelling for groundwater Arsenic mitigation; This workshop is sponsored by UKIERI (UK India Education and Research Initiative) (Co-Chairs: Prof. Allan Smith & Dr. P. S. Chauhan) | |
| 3:15 pm – 3:45 pm | Prof. Allan Smith | Long-Term Risks from Exposure to Arsenic in Drinking Water |
| 3:45 pm – 4:15 pm | Prof. Dipankar Chakraborti | Groundwater Arsenic Contamination in Ganga-Meghna-Brahmaputra Plain: A 20-Year Experience |
| 4:15 pm – 4:45 pm | Dr. Animesh Jha | Problems of Quantification of Arsenic in Different Valence States: New Measurement Techniques and Zero Waste Remediation Technologies for Groundwater Treatment |
| 4:45 pm – 5:10 pm | Dr. Bhaswati Ganguli | Spatial Modeling in Environmental Health |
| 5:10 pm – 5:30 pm | Dr. David Polya | Spatial Distribution of Arsenic Hazard in Groundwaters |
| 5:30 pm – 5:50 pm | Ms. Debapriya Mondal | Probabilistic Risk Assessment: Quantifying the Relative Magnitudes of Arsenic- and Water-Borne Pathogen-Attributable Risks in Chakdha Block, West Bengal |
| 5:50 pm – 6:30 pm | Discussions on PRAMA Project | |
| 6:30 pm – 7:30 pm | Cultural Program (Indian Classical Music) | |
| 7:30 pm – 8:30 pm | DINNER | |

December 12, 2008

| Time | Event | |
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| 9:30 am – 11:15 am | Session VIII: Environmental mutagens and Health Research (Chairperson: Dr. Stefano Bonassi) | |
| 9:30 am – 10:00 am | Dr. M. Prakash Hande | Use of Molecular Cytogenetic Techniques in Genetic Toxicology |
| 10:00 am – 10:30am | Dr. A. K. Giri | Health Effects, Genetic Damage and Genetic Variants in the Population Exposed to Arsenic Through Drinking Water |
| 10:30 am – 11:00 am | Dr. Channa Keshava | Integration of Toxicogenomics Data into Mode-of-Action Analyses for Cancer-Risk Assessment |
| 11:00 am – 11:30 pm | Session IX: Concluding Session and Recommendations for Future Research (Chairpersons: Drs. David DeMarini, Takehiko Nohmi, and P.S. Chauhan) Poster Awards Presentation | |
| 11:30 am – 12:30 pm | LUNCH | |
| 12:00 pm – 4:30 pm | CITY TOUR | |
| 4:30 pm – 8:30 pm | BOAT PARTY AT RIVER GANGA WITH DINNER | |