Scientific Program and Schedule

Tuesday, December 13

12:00 p.m.-1:30 p.m. Opening Session
Pearl Ballroom

Welcome and Opening Remarks

Judy E. Garber, President, American Association for Cancer Research, Philadelphia, PA, USA; Dana-Farber Cancer Institute, Boston, MA, USA
Margaret Foti, CEO, American Association for Cancer Research, Philadelphia, PA, USA
Anil K. Rustgi, University of Pennsylvania, Philadelphia, PA, USA

Keynote Presentations

The State of the Science in India
Maharaj Kishan Bhan, Government of India, Ministry of Science and Technology, New Delhi, India
Current and Future Prospects for HPV Vaccination*
Douglas R. Lowy, National Cancer Institute, Bethesda, MD, USA

1:30 p.m.-1:50 p.m. Break
Central Lobby

1:50 p.m.-3:20 p.m. Concurrent Session 1:
Shared Cyberinfrastructure for Cancer Research and Treatment
Maple Room

Chairperson: Anil Srivastava, Open Health Systems Laboratory at Johns Hopkins Montgomery County Campus, Rockville, MD, USA

Global cancer grid: Vision and reality*
Anil Srivastava

Single cell informatics: Applications in stem cells and cancer*
Saumyadipta Pyne, Dana-Farber Cancer Institute, Boston, MA, USA

caBRAF: A caBIG-BRAF coaction for cancer bioinformatics*
Rajendra Joshi, Bioinformatics Resources and Applications Facility, Centre for Development of Advanced Computing, Pune, India

Indo-US partnership to accelerate botanicals and biologics drug development for cancer chemoprevention: In silico drug development model**
Nagi Kumar, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL, USA

Discussion

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings.

**Short talks from proffered papers.
# Scientific Program and Schedule

## 1:50 p.m.-3:20 p.m. Concurrent Session 2: Pancreatic Cancer
Royal Room

**Chairperson: Pramod K. Garg**, All India Institute of Medical Sciences, New Delhi, India

**Epidemiology, risk factors, and diagnosis of pancreatic cancer**
*Pramod K. Garg*

**Molecular pathogenesis of pancreatic cancer and precursor lesions: Lessons from mice and men**
*Anirban Maity*, Johns Hopkins University, Baltimore, MD, USA

**Minnelide: A novel therapy for pancreatic cancer**
*Ashok K. Saluja*, University of Minnesota, Minneapolis, MN, USA

**Embryogenesis meets tumorigenesis: Nodal/Activin signaling drives self-renewal and invasiveness of pancreatic cancer stem cells**
*Christopher Heeschen*, Spanish National Cancer Research Centre (CNIO), Madrid, Spain

**Assessing therapeutic responses in pancreatic cancer using genetically engineered mouse models**
*Mallika Singh*, Genentech, Inc., South San Francisco, CA, USA

**Discussion**

## 3:40 p.m.-5:10 p.m. Concurrent Session 3: Lung Cancer
Royal Room

**Chairperson: Matthew L. Meyerson**, Dana-Farber Cancer Institute, Boston, MA, USA

**Somatic genome alterations in human lung cancers**
*Matthew L. Meyerson*

**Clinical implications of genome sequencing in lung cancer**
*Ramaswamy Govindan*, Washington University School of Medicine, St. Louis, MO, USA

**Genomic medicine: Therapeutic opportunities for lung cancer in India**
*Amit Dutt*, Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Mumbai, India

**Methylation events in lung cancer: Whole-genome explorations of paired tumor and nontumor clinical samples**
*Nandita Mullapudi*, Albert Einstein College of Medicine, Bronx, NY, USA

**Discussion**

## 3:20 p.m.-3:40 p.m. Break
Central Lobby

**Discussion**

## 3:40 p.m.-5:10 p.m. Concurrent Session 4: Cancer Genetics
Maple Room

**Chairperson: Curtis C. Harris**, National Cancer Institute, Bethesda, MD, USA

**Inflammation and cancer: Interweaving microRNA, innate immune, and p53 networks**
*Curtis C. Harris*

**Nuclear organization: Effect of chromosome dosage?**
*Kundan Sengupta*, Indian Institute of Science Education and Research, Pune, India

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings.

**Short talks from proffered papers.**
Mechanism of chromosomal translocations in leukemia and lymphoma*
**Sathees C. Raghavan**, Indian Institute of Science, Bangalore, India

Epigenetic regulation during glioma development*
**Kumaravel Somasundaram**, Indian Institute of Science, Bangalore, India

Discussion

5:15 p.m.-6:15 p.m. **Meet-the-Expert Session (Concurrent)**
Royal Room

**A Role of Natural Products in the Discovery of Antitumor Drugs such as Taxol***
**Susan Band Horwitz**, Albert Einstein College of Medicine, Bronx, NY, USA

5:15 p.m.-6:15 p.m. **Meet-the-Expert Session (Concurrent)**
Maple Room

**Microenvironment in Hematological Malignancies***
**Varsha Gandhi**, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Wednesday, December 14

8:00 a.m.-9:30 a.m. **Panel Discussion: Drug Development and Clinical Trials in India**
Pearl Ballroom

Co-Chairpersons: **Lalit Kumar**, All India Institute of Medical Sciences, New Delhi, India; and **Pankaj Bhargava**, Sanofi-Aventis, Cambridge, MA, USA

Panelists:

**Raghunadharao Digumarti**, Nizams Institute of Medical Sciences, Hyderabad, India

**Yogendra Kumar Gupta**, All India Institute of Medical Sciences, New Delhi, India

**Kiran Mazumdar**, Biocon Ltd., Bangalore, India

**Arvind Pandey**, National Institute of Medical Statistics, New Delhi, India

**Sanjeeva Reddy**, Endo Pharmaceuticals, Chadds Ford, PA, USA

9:30 a.m.-9:50 a.m. **Break**
Central Lobby

6:20 p.m.-6:45 p.m. **Day in Review**
Pearl Ballroom

Daily wrap-up with **Anil K. Rustgi**, **Pramod K. Garg**, **Curtis C. Harris**, **Matthew L. Meyerson**, and **Anil Srivastava**

6:45 p.m.-8:30 p.m. **Opening Reception**
Central Lobby
Scientific Program and Schedule

9:50 a.m.-11:40 a.m.  Plenary Session 1: Cancer Genomics
Pearl Ballroom

Co-Chairpersons: Rajiv Sarin, Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Hospital, Parel, Mumbai, India; and Ashok R. Venkitaraman, University of Cambridge, Cambridge, United Kingdom

Novel, founder, and recurrent germline mutations in high-penetrance cancer genes in South Asians*
Rajiv Sarin

Genomic alterations in gingivobuccal cancer: Results from whole-exome resequencing*
Partha P. Majumder, National Institute of Biomedical Genomics, Kalyani, India

Interrogating the architecture of cancer genomes*
Peter J. Campbell, Wellcome Trust Sanger Institute, Hinxton, United Kingdom

Exploiting tumor suppressor mechanisms that control genome stability in new approaches to cancer therapy*
Ashok R. Venkitaraman

Genome and transcriptome landscape of oral tongue squamous cell carcinoma along with matched potentially malignant lesions**
Bina Panda, Ganit Labs, Bio-IT Centre, Institute of Bioinformatics and Applied Biotechnology, Strand Life Sciences, Bangalore, Karnataka, India

Discussion

1:50 p.m.-3:40 p.m.  Plenary Session 2: Oral and Head/Neck Cancer
Pearl Ballroom

Co-Chairpersons: E. Hemanth Raj, Apollo Specialty Hospital, Chennai, India; and Tanuja Teni, Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Mumbai, India

Therapeutic targeting of critical pathways in head and neck cancer*
Jennifer Rubin Grandis, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Radiation response-related proteins in oral squamous cell carcinomas*
Tanuja Teni

Therapy: Surgery
Anil K. D’Cruz, Tata Memorial Hospital, Mumbai, India

Therapy: Radiation
A. Vasanthan, Cancer Institute, Adyar, Chennai, India

Discussion

3:40 p.m.-4:00 p.m.  Break
Central Lobby

4:00 p.m.-5:50 p.m.  Plenary Session 3: Cervical Cancer
Pearl Ballroom

Co-Chairpersons: Douglas R. Lowy, National Cancer Institute, Bethesda, MD, USA; and Rita Mulherkar, Advanced Centre for Treatment, Research and Education in Cancer, Mumbai, India

Descriptive epidemiology and prevention of cervical cancer in India*
Rajaraman Swaminathan, Cancer Institute, Adyar, Chennai, India

Discussion

11:40 a.m.-1:40 p.m.  Poster Session A/Lunch
Prefunction Area

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings.
**Short talks from proffered papers.
Transcriptional targeting in cervical cancer
Bhudev C. Das, Dr. B.R. Ambedakar Centre for Biomedical Research, University of Delhi, New Delhi, India

Genomics of cervical cancer*
Rita Mulherkar

Therapy
Shyam Shrivastava, Tata Memorial Hospital, Mumbai, India

HPV16 E2 potentiates NF-κB activation induced by TNF-α through STAT3**
Devarajan Karunagaran, Indian Institute of Technology Madras, Chennai, Tamilnadu, India

ADXS11-001 immunotherapy targeting HPV-E7: Preliminary safety data from a phase 2 study in Indian women with recurrent/refractory cervical cancer**
Partha Basu, Chittaranjan National Cancer Institute, Kolkata, India

Discussion

5:50 p.m.-6:20 p.m.  Day in Review
Pearl Ballroom

Daily wrap-up with Anil K. Rustgi, Rita Mulherkar, Tanuja Teni, and Ashok R. Venkitaraman

Thursday, December 15

8:00 a.m.-9:30 a.m.  Panel Discussion: Tobacco: Cancer, Chronic Diseases, and Prevention in India
Pearl Ballroom

Chairperson: Ellen R. Gritz, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Introduction
Ellen R. Gritz

Tobacco and cancer epidemiology in India*
Prakash C. Gupta, Healis-Sekhsaria Institute for Public Health, Mumbai, India

The adverse disease effects of smoking and smokeless tobacco on tuberculosis in India
Nevin C. Wilson, International Union Against Tuberculosis and Lung Disease (The Union), New Delhi, India

A treetop tour of tobacco control interventions in LMIC*
Mira B. Aghi, Behavioral Scientist, Communication Expert, New Delhi, India

Discussion

9:30 a.m.-10:00 a.m.  Break
Central Lobby
Scientific Program and Schedule

10:00 a.m.-11:50 a.m. Plenary Session 4: Breast Cancer
Pearl Ballroom

Co-Chairpersons: Judy E. Garber, Dana-Farber Cancer Institute, Boston, MA, USA; and Annapoorni Rangarajan, Indian Institute of Science, Bangalore, India

Clinical genetics and genetic testing
Judy E. Garber

Epigenetics of hormone dependence
Myles Brown, Dana-Farber Cancer Institute, Boston, MA, USA

Gene expression signatures in various categories of breast cancer in Indian patients*
Paturu Kondaiah, Indian Institute of Science, Bangalore, India

In vitro transformation of mammospheres generates invasive ductal adenocarcinomas harboring breast cancer cells*
Annapoorni Rangarajan

TMEPAI: A novel drug target in breast cancer therapy and prevention**
Prajjal Kanti Singha, University of Texas Health Science Center at San Antonio, San Antonio, TX, USA

Acquisition of oxidative stress resistance during the genesis of luminal mammary progenitors is associated with a switch in ROS control mechanisms**
Nagarajan Kannan, Terry Fox Laboratory, Vancouver, BC, Canada

Discussion

2:10 p.m.-3:40 p.m. Plenary Session 5: Cancer Prevention and Chemoprevention
Pearl Ballroom

Co-Chairpersons: Raymond N. DuBois, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; and Ravi Kant, Maulana Azad Medical College, New Delhi, India

Screening for cervical cancer in low- and middle-income countries
Surendra Shastri, Tata Memorial Hospital, Mumbai, India

Prostaglandin E2 promotes intestinal tumor growth via DNA methylation*
Raymond N. DuBois

Treating tobacco dependence in the oncology setting: A prevention viewpoint*
Ellen R. Gritz, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

A Raman spectroscopy approach for classification of subsites in oral cancers: A feasibility study**
Aditi Sahu, Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, Maharashtra, India

Discussion

3:40 p.m.-4:00 p.m. Break
Central Lobby

12:00 p.m.-2:00 p.m. Poster Session B/Lunch
Prefunction Area

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings.
**Short talks from proffered papers.
4:00 p.m.-5:30 p.m.  
**Plenary Session 6: Gallbladder Cancer**  
Pearl Ballroom

**Co-Chairpersons:** Pramod K. Garg, All India Institute of Medical Sciences, New Delhi, India; and Xifeng Wu, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Epidemiology of gallbladder cancer in India*
Mohandas Mallath, Tata Memorial Hospital, Mumbai, India

Genetics and molecular pathogenesis of gallbladder cancer*
Balraj Mittal, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India

Chemotherapy in gallbladder carcinoma: Is it really needed?*
Atul Sharma, All India Institute of Medical Sciences, New Delhi, India

Relationship between various biochemical, hematological, comorbid, lifestyle, and demographic parameters in gallbladder carcinoma: A single-center retrospective study of 342 patients**
Rajeev Kumar, Cachar Cancer Hospital and Research Centre, Silchar, Assam, India

Discussion

5:30 p.m.-6:00 p.m.  
**Day in Review**  
Pearl Ballroom

Daily wrap-up with Anil K. Rustgi, Raymond N. DuBois, Judy E. Garber, and Lalit Kumar

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**Friday, December 16**

8:00 a.m.-9:00 a.m.  
**Meet-the-Expert Session (Concurrent)**  
Royal Room

**Obesity, Inflammation, and Breast Cancer**
Andrew J. Dannenberg, Weill Medical College of Cornell University, New York, NY, USA

8:00 a.m.-9:00 a.m.  
**Meet-the-Expert Session (Concurrent)**  
Maple Room

**Molecular Epidemiology of Cancer: Towards Personalized Risk Assessment, Prevention, and Therapy**
Xifeng Wu, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

9:10 a.m.-9:30 a.m.  
**Special Lecture**  
Pearl Ballroom

Cancer Research in India: Future Direction(s)
Vishwa Mohan Katoh, Secretary to the Government of India, Department of Health Research, Ministry of Health and Family Welfare; Director General, Indian Council of Medical Research, New Delhi, India
Scientific Program and Schedule

9:30 a.m.-11:00 a.m.  Plenary Session 7: Chronic Myelogenous Leukemia
Pearl Ballroom

Co-Chairpersons: Lalit Kumar, All India Institute of Medical Sciences, New Delhi, India; and Hemant Malhotra, Sawai ManSingh Medical College, Jaipur, India

Role of miRNAs in CML*
Soumen Chakraborty, Institute of Life Sciences, Bhubaneswar, Orissa, India

Is CML epidemiology and natural history different in India?
Kumar Prabhash, Tata Memorial Hospital, Mumbai, India

The future of CML in India*
Hemant Malhotra

Short talks from proffered papers

Discussion

11:00 a.m.-1:00 p.m.  Poster Session C/Lunch
Prefunction Area

1:10 p.m.-2:40 p.m.  Plenary Session 8: Tumor Microenvironment and Metastasis
Pearl Ballroom

Co-Chairpersons: Yves A. DeClerck, University of Southern California, Children’s Hospital, Los Angeles, CA, USA; and Sudhir Krishna, National Centre for Biological Sciences, Bangalore, India

EMT-MET in ovarian cancer: Metastable states or distant molecular classes?*
Sharmila A. Bapat, National Centre for Cell Science (NCCS), Pune, India

Exploring the cross talk between Notch and Smad3 in EMT, induction of CD66+ cells, and human cervical cancer progression*
Sudhir Krishna

Bone marrow mesenchymal stem cells and cancer progression in neuroblastoma*
Yves A. DeClerck

Leptin-induced breast cancer growth and metastasis: Functional interactions between leptin signaling, metastasis-associated protein 1(MTA1), and Wnt1 signaling components**
Neeraj Saxena, University of Maryland, Baltimore, MD, USA

Role of tumor microenvironment in the induction of melanoma subpopulations**
Raj Somasundaram, The Wistar Institute, Philadelphia, PA, USA

Discussion

2:40 p.m.-3:10 p.m.  Day in Review
Pearl Ballroom

Daily wrap-up with Anil K. Rustgi, Hemant Malhotra, and Yves A. DeClerck

3:10 p.m.-3:30 p.m.  Concluding Remarks
Pearl Ballroom

Concluding remarks by Anil K. Rustgi, Judy E. Garber, and Margaret Foti

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings.
**Short talks from proffered papers.