



**International Symposium on  
Cancer Prevention and Treatment  
February 09-10, 2018**

School of Life Sciences, Jawaharlal Nehru University, New Delhi



## Scientific Program

### February 09, 2018 (Friday)

8:30 a.m. – onwards      **Registration/Help desk**

#### **Session 1: Inaugural Session**

09:30 a.m. – 10:00 a.m.      **Inaugural Ceremony**

10:00 a.m. – 10:30 a.m.      **Keynote Lecture**  
**Targeting Aberrant Lipogenesis in the Prevention of Prostate Cancer by Silibinin. Rajesh Agarwal**, Anschutz Medical Campus, University of Colorado, Denver, USA.

10:30 a.m. – 11:00 a.m.      **High Tea**

#### **Session 02: Novel Targets for Cancer Prevention**

**Chairs: Prof. C. V. Rao**, University of Oklahoma Health Sciences Center, OK, USA.  
**Prof. Arvind Kumar**, Banaras Hindu University, Varanasi, India.

11:00 a.m. – 11:30 a.m.      **A Role of Targeting the Skp1-Cullin1-Skp2 Complex Through Regulation of Protein Neddylation in Prostate Cancer Prevention and Treatment. Xiaolin Zi**, Department of Urology and Pharmacology, University of California, Irvine, USA.

11:30 a.m. – 12:00 p.m.      **Mechanistic Insights into the Cytotoxicity of Garlic-Related Polysulfanes in WHCO1 Oesophageal Cancer Cells. Catherine H. Kaschula**, Stellenbosch University, South Africa.

12:00 p.m. – 12:25 p.m.      **Critical Role of Hypoxia Regulated miRNAs in Cancer. Ritu Kulshreshtha**, Indian Institute of Technology, New Delhi, India.

12:25 p.m. – 12:40 p.m.      **Beneficial Effects of *Glycyrrhiza glabra* Extract in Doxorubicin-Induced Cardiotoxicity via Stabilising and Restoring the Mitochondrial Redox functions. Monisha Dhiman**, Central University of Punjab, Bathinda, Punjab, India.

12:40 p.m. – 01:40 p.m.      **Lunch and Interaction**

### Session 03: Recent Advances in Chemoprevention

**Chairs:** Prof. Rajesh Agarwal, University of Colorado, Denver, USA.

Prof. Xiaolin Zi, University of California, Irvine, USA.

- 01:40 p.m. – 02:10 p.m.      **Gut microbes and Obesity: Prevention of Colorectal Cancer.** Chinthalapally V. Rao, Center for Cancer Prevention and Drug Development, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA.
- 02:10 p.m. – 02:30 p.m.      **Tumor Growth Supportive Biochemical Adaptations: Multimodal Target for Phytochemicals.** S. K. Trigun, Department of Zoology, Banaras Hindu University, Varanasi, India.
- 02:30 p.m. – 02:45 p.m.      **Mode of Treatment Governs Curcumin Response on Anticancerous Drug Induced Cardiotoxicity.** Vibha Rani, Department of Biotechnology, Jaypee Institute of Information Technology, Noida, India.
- 02:45 p.m. – 03:00 p.m.      **Breast Cancer: Global trends and Management.** Girish Sharma, Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India.
- 03:00 a.m. – 04:30 p.m.      **Poster session – Discussion and Evaluation**
- 04:30 p.m. – 04:45 p.m.      **Tea/Coffee Break**

### Session 04: Emerging Strategies in Cancer Therapeutics

**Chairs:** Prof. Catherine H. Kaschula, University of Capetown, South Africa.

Dr. Ritu Kulshreshtha, Indian Institute of Technology, New Delhi, India.

- 04:45 p.m. – 05:15 p.m.      **Inhibition of Fatty Acid Metabolism in Cancer Prevention by Isothiocyanates.** Shivendra V. Singh, University of Pittsburgh Cancer Institute, Pittsburgh, USA.
- 05:15 p.m. – 05:45 p.m.      **Engineered Lipid-Antibody Based Microparticles For Diagnostics and Therapy of Blood Borne Cancers.** Dmitri Simberg, Anschutz Medical Campus, University of Colorado, Denver, USA.
- 05:45 p.m. – 06:15 p.m.      **The Paradox of the *Wilms' Tumor 1* Gene.** Ziqang Dong, Hormel Institute, Austin, USA.
- 06:15 p.m. – 08:00 p.m.      **Dinner**

## February 10, 2018 (Saturday)

07:30 a.m. – 08:30 a.m. Breakfast

8:30 a.m. – onwards Help Desk

### **Session 05: Recent Advances in Cancer Research - Prof. A. R. Rao Young Researcher Award Presentation**

**Chairs: Prof. Ajay Saxena**, School of Life Sciences, JNU, New Delhi, India.

**Dr. Rupesh Chaturvedi**, School of Biotechnology, JNU, India.

09:00 a.m. – 09:10 a.m. **Gene Fusions in Cancer and Normal Physiology. Shailesh Kumar**, National Institute of Plant Genome Research, New Delhi, India.

09:10 a.m. – 09:20 a.m. **Antitumor Activity of Abrus Agglutinin Through Activation of Apoptosis and Autophagy-Dependent Cell Death. Sujit K Bhutia**, National Institute of Technology, Rourkela, Odisha, India.

09:20 a.m. – 09:30 a.m. **c-MET Modulated EMT and Cell Differentiation is Regulated by Human Telomerase Reverse Transcriptase in Cancer Cells. Ramraj Prasad**, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India.

09:30 a.m. – 09:40 a.m. **Hesperetin, a Citrus Bioflavonoid, Regulates Interleukin-1 $\beta$  Induced Lung Adenocarcinoma Cells Growth and Inflammation Through COX-2. Prerna Ramteke**, School of Life Sciences, Central University of Gujarat, Gandhinagar, India.

09:40 a.m. – 09:50 a.m. **Transforming Growth Factor -B1 Regulation of Activating Transcription Factor 3 in Human Breast Cancer Cells. Rohini**, SRM Institute of Science and Technology, Chennai, India.

09:50 a.m. – 10:00 a.m. **Fisetin Suppresses the Migration and Invasion of Lung Cancer Cells by Inhibiting Epithelial-to-Mesenchymal Transition. Saba Tabasum**, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India.

10:00 a.m. – 10:20 a.m. Tea-Coffee Break

### **Session 06: Novel Mechanisms and Targets in Cancer Intervention**

**Chairs: Prof. Catherine H. Kaschula**, University of Capetown, South Africa.

**Prof. Vibha Tandon**, Special Centre for Molecular Medicine, JNU, New Delhi, India.

10:20 a.m. – 10:50 a.m. **Anti-Cancer Small Molecule Natural Product Mimics. Willem Van Otterlo**, Stellenbosch University, South Africa.

10:50 a.m. – 11:15 a.m. **Cell Cycle Dependent Regulation of the Tumour Suppressor Cytoglobin by Skp2. Alo Nag**, Department of Biochemistry, University of Delhi South Campus, New Delhi, India.

- 11:15 a.m. – 11:25 a.m. **Revelation of New Targeting Molecule for Cancer Therapy. Arvind Kumar**, Institute of Science, Banaras Hindu University, Varanasi, India.
- 11:45 a.m. – 12:00 p.m. **Oxidative Stress Stimulates Metastatic Potential via Activation and Cross-talk between the Enzymes APE1, PKM2, and ENPP2 in Rat C6 and Human U-87 MG Glioblastoma Cells. Anil K. Mantha**, Central University of Punjab, Bathinda, Punjab, India.

#### **Session 07: Innovative Mechanisms and Targets in Cancer Intervention**

**Chairs: Prof. Alo Nag**, University of Delhi South Campus, New Delhi, India.

**Prof. Arun Kharat**, School of Life Sciences, JNU, New Delhi, India.

- 12:00 p.m. – 12:20 p.m. **Activation of the Ras-Raf-ERK-DR5 Axis in a p53 Independent Way and Reversibility Gives High Therapeutic Promise to Diaminothiazoles. Suparna Sengupta**, Rajeev Gandhi Centre for Biotechnology, Thiruvananthapuram, India.
- 12:20 p.m. – 12:40 p.m. **Radioprotection by Naringenin: A Phytochemical from Citrus Fruits. Ashu Bhan Tikku**, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India.
- 12:40 a.m. – 01:00 p.m. **Acacetin Induces Caspase-Independent Apoptosis in Colorectal Adenocarcinoma Cells. Umesh C. Yadav**, Central University of Gujarat, Gandhinagar, Gujarat, India.
- 01:00 p.m. – 02:00 p.m. **Lunch**
- 03:00 p.m. – 03:30 p.m. **Award Distribution and Concluding Remarks**
- 03:30 p.m. – 04:00 p.m. **High Tea**