

**16<sup>th</sup> International Cancer Symposium on**  
**“TRANSLATIONAL CHEMOPREVENTION” AND BRAIN STORMING**  
**18-19 November 2022**  
**School of Life Sciences & Special Centre for Systems Medicine**  
**Jawaharlal Nehru University, New Delhi, INDIA**

Venue: Committee Hall, Convention Centre, JNU

Start	End	Session	Description	Name	Details	Title
<b>Day 1: 18 November 2022 (Friday)</b>						
8:00	9:00	Registration/Helpdesk				
		<b>Session 1: Inaugural Session</b>				
9:15	9:25		Welcome address & overview	Prof. Rana P. Singh	Convener of the Symposium, School of Life Sciences & Special Centre for Systems Medicine, JNU, New Delhi, India	
9:25	9:30		Address	Prof. Rajesh Agrawal	University of Colorado-Anschutz Medical Campus, Aurora, CO, USA	
9:30	9:35		Address	Prof. Shivendra V. Singh	School of Medicine, University of Pittsburgh, USA	
9:35	9:40		Address	Prof. Chinthalapally V. Rao	Health Sciences Centre, University of Oklahoma, USA	
9:40	9:50		Address	Prof. Raosaheb K Kale	Former Vice Chancellor, Central University of Gujarat, India	
9:50	10:00		Address	Prof. Ashok Kumar	Former Vice Chancellor CSJM Kanpur University, UP, India	
10:00	10:10		Address	Prof. Shweta Saran	Dean, School of Life Sciences, JNU, New Delhi, India	
10:10	10:25		Inaugural Address	Prof. S.C. Garkoti	Rector, JNU, New Delhi, India	

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10:25	10:30		Vote of Thanks	Prof. Paulraj Rajamani	School of Environmental Sciences, JNU, New Delhi, India		
10:30	11:00	<b>Tea/Coffee Break</b>					
		<b>Session 2: Chairs: Prof. Shivendra V Singh &amp; Prof Raosaheb K Kale</b>					
11:00	11:30		Speaker 1 (PL)	Prof. Rajesh Agarwal	Professor & Interim Vice Chairman, Skaggs School of Pharmacy and Pharmaceutical Sciences University of Colorado-Anschutz Medical Campus, Aurora, CO, USA	Silibinin targets mast cells recruitment, and modulates migration and survival pathways in BMMCs via RAC2 in its efficacy against basal cell carcinoma	
11:30	12:00		Speaker 2 (PL)	Prof. Shivendra V. Singh	UPMC Chair in Cancer Prevention Research, University of Pittsburgh, PA, USA	Prevention of breast cancer bone metastasis	
12:00	12:20		Speaker 3	Dr. Avinash Bajaj	Regional Centre for Biotechnology, Faridabad, Haryana, India	Localized drug-loaded hydrogel implant can reduce distant tumor growth via activation of systemic immune response	
12:20	12:40		Speaker 4	Dr. Niti Puri	School of Life Sciences, JNU, New Delhi, India	Targeting mast cells or their mediators as a prospective novel therapeutic approach for the	

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						treatment of lymphoid neoplasms
12:40	13:00		Speaker 5	Prof. Ashok Sharma	National Cancer Institute - AIIMS Jhajjar, Haryana, India	Role of pericentric cancer - testis POTE in ovarian cancer
13:00	14:00	<b>Lunch Break</b>				
		<b>Session 3:</b> Chairs: Prof. Rajesh Agarawal & Prof Ashok Kumar				
14:00	14:30		Speaker 6	Prof. Ravi Mehrotra	Former Director, National Institute of Cancer Prevention Research, Noida, Uttar Pradesh, India	Cancer prevention: India's strategy for early diagnosis of cancer- the low hanging fruits
14:30	14:50		Speaker 7(PL)	Prof. Dhyan Chandra	Roswell Park Cancer Institute, Buffalo, NY, USA	The mitochondrial unfolded protein response in prostate cancer
14:50	15:10		Speaker 8	Prof. Alok Chandra Bharti	Department of Zoology, University of Delhi, India	Dissecting the physical interaction between STAT3 and AP1 in cervical carcinogenesis and its implications in HPV transcription control
15:10	15:30		Speaker 9	Prof. Sanjeev Shukla	Indian Institutes of Science Education and Research, Bhopal, India	Hypoxia-induced intragenic CTCF binding and chromatin looping mediates alternative splicing to promote EMT in breast cancer
15:30	16:00	<b>Tea/Coffee Break</b>				

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Session 4: Chairs: Dr. Rajeev Varshney & Prof. Dhyan Chandra							
16:00	16:30		Speaker 10 (PL)	Prof. Chinthalapally V. Rao	Health Science Centre, University of Oklahoma, USA	Targeting obesity associated colorectal cancer	
16:30	16:50		Speaker 11	Prof. Suparna Sengupta	Rajiv Gandhi Centre for Biotechnology, Trivandrum – 695014, India University of Kerala, Trivandrum, India	Chromosome congression defects by $\alpha$ -fodrin depletion causes an increase in tumour progression with simultaneous decrease in apoptosis in pancreatic cancer	
16:50	17:10		Speaker 12	Prof. Rajesh N. Gacche	Tumor Biology Laboratory Savitribai Phule Pune University, Ganeshkhind, Pune, India	Repurposing of neprilysin inhibitor ‘LBQ657’ as a potent epigenetic modulator, demonstrating anti-cancer effects: Validation of computational Settings	
17:10	17:40	Tea/Coffee Break					
Session 5: Oral presentations (Prof. A.R. Rao Award Presentations) - Young Scientists, RA, PDF, PhD Students Chairs: Prof. R.K.Tyagi; Prof. Ajay Saxena; Prof. Ritu Kulshreshta							
17:40	17:50		Oral Presentation 1	Dr. Rohini Samadarsi	Department of Biotechnology and Biochemical Engineering, Sree Chitra Thirunal College of Engineering, Thiruvananthapuram, Kerala, India	Design and synthesis of Mangiferin (MGF)/Chitosan (CS)nanoparticles (NPs) (MCN) as an oral delivery supplement and its efficacy against oxidative stress induced cancer	

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17:50	18:00		Oral Presentation 2	Dr. Chetna Kumari	Centre for Integrative Oncology, All India Institute of Ayurveda, New Delhi, India	Identifying Novel ULK1 Inhibitors in Cancer by Integrating Docking and Unsupervised Machine Learning
18:00	18:10		Oral Presentation 3	Palak Parashar	School of Molecular Medicine, Jawaharlal Nehru University, New Delhi, India	DMA, a Small Molecule, Increases Median Survival and Reduces Radiation-Induced Xerostomia via the Activation of the ERK1/2 Pathway in Oral Squamous Cell Carcinoma
18:10	18:20		Oral Presentation 4	Saurabh Yashaswee	Department of Zoology, Institute of Sciences, Banaras Hindu University Varanasi, India	Topical Application of Emodin Regresses Tumor Growth By Modulating of NF-κB-Nrf2/Keap1 Pathway
18:20	18:30		Oral Presentation 5	Saket Patel	School of Biological Sciences, National Institute of Science Education and Research, Bhubaneswar, HBNI, P.O. Jatni, Khurda, Odisha, India	EEF1A2 promotes angiogenesis via HIF1A-VEGFA in a noncanonical manner under normoxia and regulates HIF1A through a positive feedback loop under hypoxia

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18:30	18:40		Oral Presentation 6	Kanchana Yadav	School of Computational And Integrative Sciences, Jawaharlal Nehru University, New Delhi, India	DNA damage repair genes mutations and their correlation with immune regulatory gene expression in pan cancer
18:40	18:50		Oral Presentation 7	Unnati Modi	Biomaterials and Biomimetic laboratory, School of Life Sciences, Central University of Gujarat, Sector-30, Gandhinagar, Gujarat, India	In vitro lung adenocarcinoma hallmarks' study on hydrogel assisted 3D tumoroids
18:50	19:00		Oral Presentation 8	Monika Yadav	Cancer Biology Laboratory, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India	Fisetin induces apoptosis and suppresses stemness and EMT in human head and neck squamous cell carcinoma
19:00	21:00	Dinner				
<b>End of Day 1</b>						

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<b>Day 2: 19 November, 2022 (Saturday)</b>						
8:30	9:30	Registration/Helpdesk				
<b>Session 6:</b> Chairs: Prof. Rajesh Agarwal & Prof. C.V. Rao						
09:30	10:00		Speaker 13 (PL)	Prof. Rashmi Kaul	Oklahoma State University, HSC, Tulsa, OK, USA	Sex-based differences in Hepatitis C virus - induced hepatocellular carcinoma: Are estrogen receptors involved in inflammation and cancer development?
10:00	10:30		Speaker 14	Prof. Rupesh Chaturvedi	School of Biotechnology, JNU, New Delhi, India	Oxidation of curcumin is an essential step in biological effect of curcumin
10:30	10:50		Speaker 15	Prof. Chandni Mandal	Department of Biochemistry, Central University of Rajasthan, India	Tumorigenic potentiality of an unfamiliar cold-induced zinc finger protein in cancer and its prevention strategy
10:50	11:10		Speaker 16	Prof. Rajeshwar N Saran	Department of Biochemistry, Radiation and Molecular Biology Unit, North Eastern Hill University, Shillong, India	ARPA: An unique biomarker with high potential of prognostic & diagnostic application in cancer management

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11:10	11:30	<b>Tea/Coffee Break</b>				
		<b>Session 7:</b> Chairs: Prof. Rashmi Kaul & Prof. Vibha Tandon				
11:30	11:50		Speaker 17	Dr. Neel Sarovar Bhavesh	International Centre for Genetic Engineering and Biotechnology, New Delhi, India	Study of metabolic dysregulation and microbiome in oral cancer among smoke-less tobacco abusers
11:50	12:10		Speaker 18	Prof. Ajay Kumar Saxena	School of Life Sciences, JNU, New Delhi, India	Structural and mechanistic analysis of cancer related kinase and oncoproteins: Critical targets for drug development
12:10	12:30		Speaker 19	Dr. Ashu Bhan Tiku	School of Life Sciences, JNU, New Delhi, India	Phytochemicals in cancer therapeutics: role of caffeic acid phenethyl ester as radiosensitizer
12:30	15:00	<b>Poster Presentation &amp; Lunch Break</b>				
		<b>Session 8:</b> Chairs: Prof. Ajay Kumar Saxena & Prof Rakesh Tyagi				
15:00	15:20		Speaker 20	Dr Jayant Khandare	CSO and MD, Actorius and One Cell Dx, USA and India	OncoDiscover liquid biopsy technology: Translation from lab to clinic
15:20	15:40		Speaker 21	Dr. Jaydeep Bhattacharya	School of Biotechnology, JNU, New Delhi, India	Nanodisc: A Nano sized free standing planar lipid bilayer for Efficient delivery of Hydrophobic drug



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15:40	16:00		Speaker 22	Dr. Kashyap Kumar Dubey	School of Biotechnology, JNU, New Delhi, India	Treat-after-too: Strategies for treatment of wastewater generated from cancer hospitals
16:00	16:20		Speaker 23	Prof. Umesh C.S. Yadav	Special Centre for Molecular Medicine, JNU, New Delhi, India	CSE-induced inflammatory and oxidative stress activated epithelial-to-mesenchymal transition via modulating COX-2 and RUNX-2 in lung epithelial cells
16:20	16:50	<b>Tea/ Coffee Break</b>				
		<b>Session 9: Chairs: Prof. Rakesh Tyagi &amp; Prof. Rupesh Chaturvedi</b>				
16:50	17:10		Speaker 24	Dr. Kausar Mahmood Ansari	Principal Scientist Food, Drug & Chemical Toxicology CSIR-Indian Institute of Toxicology Research Lucknow, Uttar Pradesh, India	Investigating the role of ochratoxin A-induced exosomes mediated renal toxicity
17:10	17:30		Speaker 25	Prof. Alo Nag	Department of Biochemistry, University of Delhi, Delhi, India	Mechanistic insights into the oncogenic strategies of FoxM1
17:30	17:50		Speaker 26	Dr. Pramod Gautam	Department of Biochemistry, AIIMS, New Delhi, India	Trend of blood-based biomarkers for early detection of breast cancer
17:50	18:10		Speaker 27	Prof. Sarad Kumar Mishra	Department of Biotechnology DDU Gorakhpur University, Gorakhpur, Uttar Pradesh, India	Implication of environmental pesticide exposure and increasing cancer cases in Eastern Uttar Pradesh
		<b>Session 10: Valedictory Session</b>				

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		<b>Chair: Prof. Rana P Singh</b>
		Prof. Sudha Rao, Head, Dept. of Edu. Policy NUEPA & Former VC, Karnataka State Open University
18:10	19:00	<b>Award Distribution and Concluding Remarks</b>
19:00	21:00	Dinner
<b>End of Day 2</b>		