

15th International Symposium on
Recent Trends in Cancer Prevention and Interception- Bench to Bedside
 22-23February 2022 (Offline-Virtual Meeting)
School of Life Sciences & Special Centre for Systems Medicine
 Jawaharlal Nehru University, New Delhi, INDIA

Start	End	Session	Description	Name	Details	Title
Day 1: 22 February 2022						
		Session 1: Inaugural Session				
9:00	9:10		Welcome Address & Overview	Prof. Rana P. Singh	Convenor of the Symposium; Chairperson, Special Centre for Systems Medicine, Jawaharlal Nehru University, New Delhi, India	
9:10	9:15		Address	Prof. Rajesh Agrawal	University of Colorado-Anschutz Medical Campus, Aurora, CO, USA	
9:15	9:20		Address	Prof. Shweta Sharan	Dean, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India	
9:20	9:30		Inaugural Address	Prof. Santishree D. Pandit	Vice Chancellor, Jawaharlal Nehru University, New Delhi, India	
9:30	10:00		Keynote Address	Prof. G.K. Rath	Former Head, National Cancer Institute-India/ AIIMS, Jhajjar, Haryana; Chief, DRBRAIRCH, Professor, Radiation Oncology, All India Institute of Medical Sciences, New Delhi, India	Translational research as a driver of innovation in oncology
10:00	10:10	Break				

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Session 2: Chair: Prof. Rajesh Agarwal, University of Colorado, USA, Prof. R.K. Kale, India						
10:10	10:35		Speaker 1	Prof. Rajesh Agarwal	Professor & Interim Chair, Skaggs School of Pharmacy and Pharmaceutical Sciences University of Colorado-Anschutz Medical Campus, Aurora, CO, USA	Chemopreventive efficacy of silibinin against basal cell carcinoma growth and progression in Ptch+/- mice: possible targeting of hedgehog signaling mediators Smoothed and Gli1
10:35	11:00		Speaker 2	Prof. C. V. Rao	George Lynn Cross Professor Director, Center for Cancer Prevention & Drug Development, Medical Oncology, University of Oklahoma, Oklahoma City, OK, USA	Gut microbial toxins drive colon tumorigenesis by PGE2/IL-23 dependent mechanism
11:00	11:25		Speaker 3	Prof. Pankaj Singh	University of Nebraska Medical Centre, USA	Metabolic regulation of therapy response in pancreatic cancer
11:25	11:50		Speaker 4	Prof. Sanjay V Malhotra	Oregon Health and Sciences University, USA	Inhibiting translation as a therapy for triple negative breast cancer
11:50	12:10		Speaker 5	Dr. Dhanya Nambiar	Radiation Oncology, School of Medicine, Stanford University, USA	VISTA immune-checkpoint: A new target to improve radiation response in cancer

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12:10	12:25	Break				
		Session 3: Oral presentations (Prof. A.R. Rao Award Presentations) Chairs: Prof. Rakesh Tyagi, Prof. Ritu Kulshreshta, Prof. Binay Panda				
12:25	12:35		Oral presentation 1	Pooja Yadav	Department of Biochemistry, Central University of Rajasthan, Ajmer, Rajasthan, New Delhi, India	A mechanism associated with endogenous regulation of oncogenic DNMT1 expression in breast cancer cells
12:35	12:45		Oral presentation 2	Ganesh Kumar Raut	Applied Biology Department, CSIR-Indian Institute of Chemical Technology, Uppal Road, Hyderabad, India	Glucose-deprivation approaches to breast cancer cell killing
12:45	12:55		Oral presentation 3	Devendra Shukla	Indian Institute of Chemical Biology, Kolkata, West Bengal, India	miR-379-5p reduces cancer stem cell population in ovarian cancer
12:55	13:05		Oral presentation 4	Bratati Mukherjee	National Institute of Science Education and Research, A CI of Homi Bhabha National Institute, Bhubaneswar, India	Direct binding of FRG1 on GM-CSF promoter inhibits EMT via regulating the MEK/ERK signalling axis in breast cancer
13:05	13:15		Oral presentation 5	Dharmendra Kashyap	Infection Bio-Engineering Group, Indian Institute of Technology, Indore, Madhya Pradesh, India	Gankyrin as an emerging culprit in Helicobacter pylori and Epstein Barr Virus mediated gastric cancer

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13:15	13:25		Oral presentation 6	Jiten R. Sharma	School of Life Sciences, Central University of Gujarat, Gandhinagar. Gujarat, India	A study of cigarette smoke extract-induced and RUNX-2 mediated galectin-3 expression in epithelial to mesenchymal transition of airway epithelial cells
13:25	13:35		Oral presentation 7	Srishti Srivastava	Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology, New Delhi, India	Identification of MED12 as a novel oncogene in glioblastoma targeting the VDR/BCL6/p53 axis.
13:35	13:45		Oral presentation 8	Kiran Kumar Nalla	Department of Plant Sciences, School of Life Sciences University of Hyderabad, India	Novel phytochemicals targeted for PRMT5 inhibition in breast cancer cell lines
13:45	13:55		Oral presentation 9	Sonu Benny	Department of Pharmaceutical Chemistry and Analysis, Amrita School of Pharmacy, Amrita Vishwa Vidyapeetham, AIMS Health Sciences Campus, Kochi, Kerala, India	Designing of MCT-4 Inhibitors: An approach to address unusual behaviour of cancer cells towards metabolism and hypoxia
13:55	14:05		Oral presentation 10	Amlan Ghosh	Department of Life Sciences, Presidency University, Kolkata, West Bengal, India	Inactivation of LIMD1 and VHL along with high nuclear expression of HIF1 α in bladder tumor depict poor prognosis of patients: association with arsenic exposure

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14:05	14:15		Oral Presentation 11	Pradeep Kumar Rajput	School of Life Sciences, Central University of Gujarat, Gandhinagar, India	Role of Visfatin in lipid metabolism dysregulation in breast cancer cells
14:15	14:50	Lunch Break				

		Session 4: Chairs: Prof. Vibha Tandon, JNU & Prof. Ajay Saxena, JNU				
14:50	15:10		Speaker 6	Prof. Rakesh K Tyagi	Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi, India	Genome bookmarking by nuclear receptors: a novel dimension to epigenetic control in health and disease
15:10	15:30		Speaker 7	Prof. Alok Chandra Bharti	Department of Zoology, University of Delhi, New Delhi, India	In silico screening of angiogenic inhibitors for brain tumors
15:30	15:50		Speaker 8	Prof. Ritu Kulshreshtha	Indian Institute of Technology, New Delhi, India	Investigating the role of neuronal differentiation factors in glioblastoma
15:50	16:10		Speaker 9	Prof. Umesh Chand Singh Yadav	Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi, India	Amelioration of cigarette smoke extract-induced epithelial-mesenchymal transition(EMT) of airway epithelial cells by fisetin

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16:10	16:30		Speaker 10	Prof. Govind Makharia	Department of Gastroenterology and Human Nutrition, All India Institute of Medical Sciences, New Delhi, India	Screening for colorectal polyp and cancer in India
16:30	16:50		Speaker 11	Prof. Chandi Mandal	Department of Biochemistry, School of Life Sciences, Central University of Rajasthan, Ajmer, India	Dysregulated cholesterol metabolism augments breast cancer progression and metastasis
16:50	17:10		Speaker 12	Dr. Ranjith Kumavath	Central University Kerala, Kasaragod, Kerala, India	Drug repurposing of cardiac glycosides and their immunog-enetics modulations in cancer
End of Day 1						
Start	End	Session	Description	Name	Details	Title
Day 2: 23 February 2022						
		Session 5: Chairs: Prof. Rajesh Agarwal, USA & Prof. C.V. Rao, USA				
9:00	9:25		Speaker 13	Dr. Dhyan Chandra	Department of pharmacology and therapeutics, Rosewell Park Comprehensive Cancer Centre, Buffalo, New York, USA	Mitochondrial and apoptosome dysfunction in prostate cancer
9:25	9:50		Speaker 14	Dr. Gagandeep	Wake forest Baptist Medical Centre, Winston Salem, North Carolina, USA	RAB5A-GTPase mediates extracellular vesicle biogenesis and cargo loading in

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						hypoxia-induced prostate cancer progression
9:50	10:15		Speaker 15	Prof. Ravinder J Singh	Endocrinology Laboratory and Professor of Laboratory Medicine and Pathology at Mayo Clinic, Rochester, MN, USA	Diagnosis of adrenocortical carcinoma steroid profiling
10:15	10:45	Break				

		Session 6: Chairs: Prof. Sanjay Malhotra, USA & Prof. Rupesh Chaturvedi				
10:45	11:10		Speaker 16	Prof. Xiaolin Zi	Urology School of Medicine, University of California, Chao Cancer Center, Irvine, California, USA	Flavokawain A reduces tumor-initiating properties and stemness through targeting Skp2
11:10	11:30		Speaker 17	Prof. Binay R. Panda	School of Biotechnology & Special Centre for Systems Medicine(Concurrent Appointment), Jawaharlal Nehru University, New Delhi, India	Big Data and Cancer: Complexities, Gaps, and Opportunities

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11:30	11:50		Speaker 18	Dr. Brad Niles	CEO at ARIZ Precision Medicine, California, USA	PRDM2 as a druggable target in lung cancer
11:50	12:10		Speaker 19	Dr. Mohan Uttarwar	CEO, iNDXai, California, USA	Accelerating translational research in cancer using AI/ML technologies
12:10	12:20	Break				
		Session 7: Chairs: Prof. Anil K. Tripathi & Prof. Ajay Kumar Saxena, India				
12:20	12:40		Speaker 20	Prof. Anil K. Tripathi	Former Director, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow, Uttar Pradesh, India; KGMU, Lucknow, India	Chronic myeloid leukemia; beyond tyrosine kinase inhibitors(TKIs)
12:40	13:00		Speaker 21	Prof. Alo Nag	Professor and Head, Department of Biochemistry, University of Delhi, South Campus, New Delhi, India	Anaphase Promoting Complex/ Cdh1- a novel target of HPV16E7
13:00	13:20		Speaker 22	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
13:20	13:40		Speaker 23	Dr. Ashu Bhan Tiku	School of Life Sciences, Jawaharlal Nehru University, New Delhi, India	Role of radiation induced bystander effects in cancer therapeutics
13:40	14:20	Lunch Break				

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		Session 8: Poster Presentations (Breakout Sessions 8A; 8B; 8C) Judges: Prof. Rupesh Chaturvedi, Prof. Shandar Ahmad, Prof. Paulraj Rajamani, Dr. Ashu Bhan Tikku, Prof. Umesh Yadav, Dr. Niti Puri				
14:20	16:30	3 Breakout Sessions	Poster Presentations			
		Session 9: Chairs: Dr. Neel Sarovar Bhavesh & Prof. Rajesh Saran, India				
16:30	16:50		Speaker 24	Prof. Ajay Kumar Saxena	School of Life Sciences, Jawaharlal Nehru University, New Delhi, India	Structural and functional analysis of Ergp55 oncoprotein and protein kinases involved in cancer
16:50	17:10		Speaker 25	Prof. Ashok Sharma	All India Institute of Medical Sciences, New Delhi, India	Epigenetic mediated regulation and structural and functional analysis of cancer- testis/germline antigen POTE in human epithelial ovarian cancer
17:10	17:30		Speaker 26	Prof. Rupesh Chaturvedi	School of Biotechnology, Jawaharlal Nehru University, New Delhi, India	Oxidative products of curcumin rather than curcumin bind to <i>H. pylori</i> virulence factor VacA and required for inhibition of vacuolation activity of VacA
17:30	17:45		Speaker 27	Prof. Girish Sharma	Centre for Medical Biotechnology, Amity Institute of Biotechnology, Noida, Uttar Pradesh, India	Human Leukocyte Antigen(HLA)-B associations with acute leukemia in north Indian populations

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Session 10: Valedictory Session						
17:45	18:05		Closing Remarks, Feedback and Declaration of Awards	Prof. Rajesh Agarwal, Prof. R.K. Kale, Prof. Sudha Rao, Prof. Rajesh Saran and Prof. Rana P. Singh		
18:05	18:15		Vote of Thanks	Prof. Paulraj Rajamani		
End of Day 2						