

**International Symposium on “Integrative Oncology and Systems Medicine:  
Emerging Trends and Therapeutic Potential”**  
Rishikesh, 20–21 February 2025

<b>Day 1: 20 February, 2025 (Pt. L.M.S Campus Rishikesh, Sridev Suman Uttarakhand University)</b>					
Start	End	Session-Description	Name	Affiliation	Title
8:00	9:00	<b>Registration/ Helpdesk</b>			
9:00	11:00	<b>Session 1: Chairs - Prof. Gulshan Dhingra, India &amp; Prof.</b>			
9:00	9:30	<b>Keynote Speaker</b>	Prof. Raymond B. Birge	Department of Microbiology, Biochemistry, and Molecular Genetics, Rutgers School of Biomedical and Health Sciences, Newark, New Jersey, USA	Phosphatidylserine Exposure, Stress, and Cell Death: Immune Regulation in Cancer
9:30	9:50	Speaker 2	Prof. Jerry Chipuk	Icahn School of Medicine at Mount Sinai, NY, USA	The ATF5-Dependent Mitochondrial Unfolded Protein Response Coordinates Oncogenic Fate
9:50	10:10	Speaker 3	Prof. Rajesh Agarwal	Dept of Pharmaceutical Sciences, University of Colorado Denver, Aurora, USA	Silibinin Efficacy Against Basal Cell Carcinoma Growth and Progression in Ptch+/- Mice
10:10	10:30	Speaker 4	Prof. C.V. Rao	Center for Cancer Prevention and Drug Development, PC Stephenson Oklahoma Cancer Center, OUHSC, Oklahoma City, USA	Targeting PGE 2 /IL-23/FXR for Obesity-Associated Colorectal Cancer Prevention and Treatment
10:30	10:50	Speaker 5	Prof. Dhyan Chandra	Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA	Mitochondrial Dysfunction and Racial Disparities in Prostate Cancer
10:50	11:20	Tea/Coffee Break			
<b>Session 2: Inaugural Session</b>					
11:20	11:30	Welcome address	Prof. Gulshan Dhingra	Sridev Suman Uttarakhand University, Uttarakhand, India	Lamp Lighting (Saraswati Vandana )
11:30	11:35	Welcome Address	Prof. Anissa Atif Mirza	AIIMS Rishikesh, Uttarakhand, India	
11:35	11:40	Address	Prof. Rana P. Singh	Jawaharlal Nehru University, New Delhi, India	
11:40	11:45	Address	Prof. Rajesh Agarwal	University of Colorado Denver, Aurora, USA	
11:45	11:50	Address	Prof. Dhyan Chandra	Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA	
11:50	11:55	Address	Prof. Raymond Birge	Rutgers School of Biomedical and Health Sciences, Newark, New Jersey, USA	
11:55	12:00	Address	Prof. Jaya Chaturvedi	Dean Academic, All India Institute Of Medical Science, Rishikesh, India	
12:00	12:05	Address	Prof. Mahabir Singh Rawat	Director, Pt. L.M.S Campus Rishikesh, Sridev Suman Uttarakhand University, India	
12:05	12:15	Inaugural Address	Prof. Narendra Kumar Joshi	Vice Chancellor, Sri Dev Suman Uttarakhand University, India	
12:15	12:25	Inaugural Address	Prof. Meenu Singh	Director, All India Institute Of Medical Science, Rishikesh, India	

Day 1: 20 February, 2025 (Pt. L.M.S Campus Rishikesh, Sridev Suman Uttarakhand University)					
Start	End	Session-Description	Name	Affiliation	Title
12:25	12:35	Chief Guest Address	TBA	TBA	
12:35	12:40	Vote of Thanks	Mr. Dinesh Chandra	Registrar, Sri Dev Suman Uttarakhand University, India	
12:40	13:40	Lunch Break			
Session 3: Chairs:					
13:45	14:05	Speaker 6	Prof. Xiaolin Zi	School of Medicine, University of California, Irvine, USA	Prostate-specific CRISPR knock-in of human SKP2 induces prostatic intraepithelial neoplasia and adenocarcinoma and induces a transcriptional program of epithelial-mesenchymal transition and interferon signaling.
14:05	14:25	Speaker 7	Prof. Sanjay Malhotra	School of Medicine, Oregon Health and Science Centre, USA	Inhibiting Y-Box Binding Protein 1 Offers a Promising Approach To Combat Ovarian Cancer
14:25	14:45	Speaker 8	Prof. Rakesh K Tyagi	Special Centre for Systems Medicine, Jawaharlal Nehru University, India	Genome Bookmarking by Nuclear Receptors: a Novel Dimension in Epigenetic Control
14:45	15:05	Speaker 9	Prof. Ashok K. Mann	Department of Pharmacological and Pharmaceutical Sciences, College of Pharmacy, University of Houston, Houston, USA	Novel Regulators of Skeletal Muscle Wasting During Cancer Cachexia
15:05	15:25	Speaker 10	Prof. Rupesh Chaturvedi	School of Biotechnology, Jawaharlal Nehru University, India	TBA
15:30	16:00	Tea/Coffee Break			
Session 4: Chairs:					
16:00	16:25	Speaker 11	Prof. Sujit Basu	Division of Medical Oncology, Department of Internal Medicine and Pathology, Ohio State University, USA	The Role of the Neurotransmitter/ Neurohormone Dopamine in Colon Cancer
16:25	16:50	Speaker 12	Prof. K. Thangaraj	Centre for DNA Fingerprinting and Diagnostics Hyderabad & Centre for Cellular and Molecular Biology, Hyderabad, India	TBA
16:50	17:10	Speaker 13	Dr Komal Raina	South Dakota State University, USA	Impact of Mammary Gland Architectural Modulation With a Natural Galactagogue Asparagus Racemosus (Root Extract-Shatavari) Against TNBC Tumorigenesis
17:10	17:30	Speaker 14	Prof. Alo Nag	Department of Biochemistry, Delhi University, New Delhi, India	Disrupting Oncogenic Pathways in Liver Cancer with Artemisinin
17:30	17:50	Speaker 15	Prof. Sarad Mishra	Department of Biotechnology, DDU Gorakhpur University, Gorakhpur, Uttar Pradesh, India	Implication of Arsenic pollution in Cancer in Eastern Uttar Pradesh and its possible remediation
18:00	19:00	Session 5: Cultural Session - Chair- Prof. Gulshan Dhingra			
19:00	21:00	Dinner			
End of Day 1					

## Day 2: 21 February, 2025 (AIIMS Rishikesh Campus)

Start	End	Session-Description	Name	Affiliation	Title
8:00	9:00	<b>Breakfast</b>			
9:00	11:00	<b>Session 6: Chairs: Prof. --- &amp; Prof. ---</b>			
9:00	9:30	<b>Keynote Speaker</b>	Prof. Pankaj Singh	Department of Oncology Science, The University of Oklahoma College of Medicine, Oklahoma, USA	Novel Approaches for Metabolic Therapies Against Pancreatic Cancer
9:30	9:50	Speaker 17	Prof. Gokul Das	Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA	Translating Laboratory Research to Novel Precision Medicine Strategies for Triple Negative Breast Cancer (TNBC)
9:50	10:10	Speaker 18	Prof. Beverly Wang	School of Medicine, University of California, Irvine, USA	Head and Neck Squamous Cell Carcinoma Updates: Clinical Consideration and PD-L1 Expression
10:10	10:30	Speaker 19	Prof. Rana P. Singh	School of Life Sciences, Jawaharlal Nehru University, New Delhi, India	Impact of Simulated Microgravity on Normal and Cancer Cells
10:30	10:50	Speaker 20	Prof. Uttam Kumar Nath	Medical Oncology Department, AIIMS Rishikesh, Uttarakhand, India	TBA
11:00	11:20	<b>Tea/Coffee Break</b>			

### Session 7A: (Hall A) - Chairs: Prof. Latika Mohan, India & Prof. ---

Start	End	Description	Name	Affiliation	Title
11:20	11:40	Speaker 21	Prof. Subhrajit Saha	Department of Radiation Oncology, The University of Kansas Medical Center Kansas City, Kansas, USA	Role of Chemokine Microbiome Axis in Intestinal Epithelial Radiosensitivity
11:40	12:00	Speaker 22	Dr. Chandrani Sarkar	Department of Pathology, University of South Alabama, USA	Neuropeptides in Cancer: Emerging Targets for Therapeutic Intervention
12:00	12:20	Speaker 23	Dr. Bela Goyal	Biochemistry Department, AIIMS Rishikesh, Uttarakhand, India	Unravelling the potential of miRNAs in Gallbladder Cancer: Diagnostics to Therapeutics
12:20	12:40	Speaker 24	Prof. Rakesh Sharma	Biochemistry, PGI, Saharanpur, Uttar Pradesh, India	Nanoradiotracers: Robotic Nanonavigator Alert Performer System (RNNAP) to Classify, Track and Monitor the Tumor Behavior
12:40	13:00	Speaker 25	Prof. Vijay Rawat	Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi, India	Targeting Epigenetic Dysregulation: Uncovering the Role of Aberrant TET Expression and 5-Hydroxymethylation in Leukemia and Leukemia Stem Cell
13:00	15:00	<b>Session 8: Poster Session - Chairs: Dr. Hemant Kushwaha, Dr. ---, Dr. ---, Dr. ---, Dr. ---, Dr. ---, Dr. ---, Dr. ---, Dr. --- &amp; Lunch</b>			

### Session 7B: (Hall B) Chairs: Prof. --- & Prof. ---

Start	End	Description	Name	Affiliation	Title
11:20	11:40	Speaker 26	Prof. Prabhudas Patel	Chairman, K.H Hospital, Idar; Former Head, Cancer Biology Department, GCRI, Ahmedabad, India	Genetic Landscape of Oral Cancer: Employing Computational and Biomolecular Approaches

11:40	12:00	Speaker 27	Prof. Binay R. Panda	School of Biotechnology, Jawaharlal Nehru University, India	Genomics and Data in Head and Neck Cancer: Gaps and Opportunities	
12:00	12:20	Speaker 28	Dr. Sweety Gupta	Radiation Oncology Department, AIIMS Rishikesh, Uttarakhand, India	Integration of Early Palliative Care with Oncology Management: A Novel Paradigm	
12:20	12:40	Speaker 29	Prof. Alok Chandra Bharti	Department of Zoology, Delhi University, New Delhi, India	Overcoming Cervical Cancer Recurrence by Targeting Cancer Stem Cells with Morusin	
12:40	13:00	Speaker 30	Dr. Amit Sehrawat	Medical Oncology Department, AIIMS Rishikesh, Uttarakhand, India	TBA	
13:00	15:00	<b>Session 8: Poster Session - Chairs: Dr. Hemant Kushwaha, Dr. ---, Dr. ---, Dr.---, Dr. ---, Dr..---, Dr. ---, Dr. ---, Dr. ---, Dr.</b>				<b>&amp; Lunch</b>

<b>Session 9: (Hall A) Chairs: Prof. Rana P. Singh, Prof. Dhyan Chandra &amp; Prof. C.V. Rao</b>					
15:00	16:00	<b>Panel Discussion</b>			
		<p>1. Prof. Raymond Birge, Department of Microbiology, Biochemistry, and Molecular Genetics, Rutgers School of Biomedical and Health Sciences, Newark, New Jersey, USA.</p> <p>2. Prof. Rajesh Agarwal, Dept of Pharmaceutical Sciences, University of Colorado Denver, Aurora, USA.</p> <p>3. Prof. Jerry Chipuk, Icahn School of Medicine at Mount Sinai, NY, USA.</p> <p>4. Prof. Sunil Saini, Director, Cancer Research Institute, Swami Ram Himalayan University, Dehradun, India.</p> <p>5. Prof. Uttam Kumar, Head of the Department, Medical Oncology, AIIMS, Rishikesh, India.</p> <p>6. Prof. Vertika Saxena, Head of the Department, Family and Community Medicine, AIIMS, Rishikesh, India.</p>			
16:00	16:30	<b>Tea/ Coffee Break</b>			

<b>Session 10A: (Hall A) Chairs: Prof. -- &amp; Prof. --</b>					
<b>Start</b>	<b>End</b>	<b>Description</b>	<b>Name</b>	<b>Affiliation</b>	<b>Title</b>
16:30	16:50	Speaker 31	Dr. Nilotpal Chowdhury	Pathology Department, AIIMS Rishikesh, Uttarakhand, India	TBA
16:50	17:10	Speaker 32	Dr. Debanjan Chakroborty	Department of Pathology, University of South Alabama, USA	Closing the Gap: Leveraging Tight Junctions to Prevent Gastric Cancer Progression
17:10	17:30	Speaker 33	Dr. Deepak Sundriyal	Medical Oncology Department, AIIMS Rishikesh, Uttarakhand, India	TBA
17:30	17:50	Speaker 34	Prof. Umesh C.S. Yadav	Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi, India	Runt-Related Transcription Factor-2 Mediates Cigarette Smoke Induced EMT in Lung Adenocarcinoma Cells
17:50	18:10	Speaker 35	Prof. Chandi C. Mandal	Department of Biochemistry, Central University of Rajasthan, Rajasthan, India	Targeting Osteoblast-like Potential Governed within Cancer Cells for Curbing Breast Cancer

<b>Session 10 B: (Hall B) Oral Presentations - Chairs:</b>					
<b>Start</b>	<b>End</b>	<b>Description</b>	<b>Name</b>	<b>Affiliation</b>	<b>Title</b>
16:30	16:40	Speaker 36	Dr. Mahendra Seervi	All India Institute of Medical Sciences (AIIMS), New Delhi, India	
16:40	16:50	Young Faculty Speaker 37	Dr. Indranil Chattopadhyay	Department of Biotechnology, School of Integrative Biology, Central University of Tamil Nadu, Neelakudi, Thiruvavur, India	In silico Identification of Bioactive Treasure Trove of Streptomyces Against Bacterial Aggravated Oral Cancer
16:50	17:00	Young Faculty Speaker 38			
17:00	17:07	Young Researcher Speaker 39	Sabita Chourasia	Department of Biological Regulation, Weizmann Institute of Science, Rehovot, Israel	
17:07	17:14	Young Researcher Speaker 40			
17:14	17:21	Young Researcher Speaker 41			
17:21	17:28	Young Researcher Speaker 42			
17:28	17:35	Young Researcher Speaker 43			

18:15	18:45	<b>Session 11: (Hall A) - Valedictory and Award Presentation, Chairs: Prof. Anissa Mirza &amp; Prof. Gulshan Dhingra</b>			
19:00	21:00	<b>Dinner</b>			
		<b>End of Day 2</b>			