



# Annual Conference Of The Indian Association of Cancer Research

**An International Conference Organized By**

**Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Tata Memorial Centre**

**Bringing Basic And Translational Research To The Clinic: Challenges And Opportunities**

**12<sup>th</sup> -16<sup>th</sup> January 2023**

**Venue: Advanced Centre for Treatment Research and Education in Cancer (ACTREC) ,  
Navi Mumbai,  
India**

## **Patrons**

**Dr. R. Badwe**  
Director, Tata Memorial Centre

**Dr. S. Gupta**  
Director, ACTREC

**Dr. V. Prasanna**  
Deputy Director, ACTREC

## **Organizing Committee**

**Dr. Sorab N. Dalal**  
Chairperson

**Dr. Manoj B. Mahimkar**  
Secretary

**Dr. Pritha Ray**  
Treasurer



**Contact : Dr Manoj Mahimkar, Organizing Secretary, 42<sup>nd</sup> Annual meeting of IACR, ACTREC,  
Tata Memorial Centre, Kharghar, Navi Mumbai 410210, MH, India ;  
Conference Email: [iacr2023@actrec.gov.in](mailto:iacr2023@actrec.gov.in) | Website: <http://iacr.in/>**

# AGENDA

Day 1 || 12th Jan., 2023

Time	Topic	Speaker
8:30-9:30 AM	Registration	
9:20-9:45 AM	Inauguration	
9:45 - 10:30 AM	IACR oration ( Indian Breast Cancer Genome Atlas - The Developing Story)	Dr. Shantanu Chowdhury, Institute of Genomics and Integrative Biology
10:30 - 11:00 AM	Tea break	
	Session I	
11:00 - 01:30 PM	Systems Biology And Cancer Genetics	
	Chairpersons: Dr. Amit Dutt and Dr. Sanjay Gupta	
	Monoallelic – Biallelic – Digenic germline mutation in cancer genes: Impact on phenotype	Dr. Rajiv Sarin ACTREC
	Understanding of Eukaryotic Transcriptional Regulatory Mechanisms Involving Super Elongation Complex and Its Implications in MLL Fusion-mediated Leukemogenesis	Dr. Debabrata Biswas, Indian Institute of Chemical Biology

Time	Topic	Speaker
Company Presentation -		
	(Premas)	
	See biology in new ways with single cell and spatial technologies	Dr. Avid Hussain
	ALL ROADS LEAD TO ROME' Genome profiling of prominent Indian cancer types reveal frequent genetic alterations in genes encoding SWI/SNF components	Dr. Murali Bashyam, Centre for Disease Fingerprinting and Diagnostics
	To CIN or not to CIN - role of CIN in cancers	Dr. Kundan Sengupta IISER Pune
1:20-2:30 PM	Lunch	
2:30-4:30 PM	Posters	
4:30-5:00 PM	Tea	
	Session II	
5:00-7:00 PM	Student award talks (10)	
	Chairpersons: Dr. Sibsankar Roy and Dr. Muralidharan Bashyam	
7:00-8:00 PM	EC meeting	
8:00 PM	Dinner	

# AGENDA

Day 2 || 13th Jan., 2023

**Time**

**Topic**

**Speaker**

8:30-9:30 AM

Registration

## Session III

9:15 - 11:10 AM

DNA Damage Response  
and Cancer (I)

**Chairpersons:**

**Dr. Neelam Shirsat and**

**Dr. Abhijit De**

Functional Coupling  
Between TDP1-PRMT5 For  
The Repair Of Trapped  
Topoisomerase I - DNA  
Covalent Complexes

**Dr. Benu Brata Das,**  
**Indian Association for the Cultivation  
of Science**

RNA-Binding RING  
E3-Ligase DZIP3 Regulates  
Cell Cycle Proteins And  
DNA Damage Response To  
Drive Cancer Progression  
**Company Presentation -  
(Biorad)**

**Dr. Santosh Chauhan**  
**CCMB**

RAD51 Paralogs: Expanding  
Roles In Genome  
Maintenance And Tumor  
Suppression

**Dr. Ganesh Nagaraju**  
**Indian Institute of Science**

Statin treatment attenuates  
colorectal tumorigenesis  
by reversing the expression  
profile of SATB family  
proteins

**Dr. Sanjeev Galande**  
**SNU**

11:10 - 11:30 AM

**Tea Break**

**Time****Topic****Speaker****Session IV**

11:30 - 01:30 PM

Therapy and Diagnosis

**Chairpersons:**

**Dr. Rita Mulherkar and**

**Dr. Kumar Prabhash**

Remissions and Relapses in  
Leukaemia – New Tricks  
with Old Drugs

**Dr. Vaskar Saha**  
**TMC Kolkata**

Quality Multi OMICs Studies-  
Our Journey Has Begun

**Dr. Sanjoy Chatterjee**  
**TMC Kolkata**

**Company Presentation -  
Roche**

Harnessing the Power of  
Molecular Imaging for  
Precision Cancer  
Theranostics

**Weibo Cai**  
**University of Wisconsin Madison**

Circulating Tumour DNA:  
A Clinician's Perspective

**Dr. Atul Sharma**  
**AIIMS Delhi**

Oral Cancer Research in  
Tata Memorial Hospital -  
How to create high impact  
with low investment?

**Dr. Pankaj Chaturvedi**  
**Tata Memorial Hospital**

**1:30 - 2:30 PM**

**Lunch**

2:30 - 4:30 PM

Posters

Time	Topic	Speaker
<b>Session V</b>		
4:30 - 5:00 PM	Short Talks (2)	
	<b>Chairpersons:</b> <b>Dr. Tanuja Teni and</b> <b>Dr. C. Muralikrishna</b>	
4:30 - 4:45 PM	Ubiquitin Specific Peptidase 37 (USP37) promotes Osteosarcoma oncogenesis in concert with PCNA and promoting constitutive replication fork movement.	<b>Dr. Mayank Singh</b> <b>AIIMS</b>
4:45 - 5:00 PM	c-MET and EphA2 crosstalk in treatment failure: therapeutic synergy of Lupeol and 5-Fluorouracil in triple negative breast cancer.	<b>Dr. Nabendu Murmu</b> <b>CNCI</b>
<b>5:00 - 5:30 PM</b>	<b>Tea</b>	
<b>5:30 - 7:30 PM</b>	<b>Session VI</b>	
	<b>Chairpersons:</b> <b>Dr. Sibsankar Roy and</b> <b>Dr. Muralidharan Bashyam</b>	
	Student award talks (10)	
8:00 PM	Banquet Dinner	

# AGENDA

Day 3 || 14th Jan., 2023

Time	Topic	Speaker
8:30-9:30 AM	Registration	
	<b>Session VII</b>	
9:15-11:10 AM	Systems Biology And Cancer Genetics	
	<b>Chairpersons:</b> <b>Dr. Surekha Zingde and</b> <b>Dr. Girish Maru</b>	
	Developing tools for Digital pathology for precision oncology	<b>Dr. Ishaan Gupta</b> <b>IIT Delhi</b>
	Epigenetic Insights For Acute Myeloid Leukemia Targeted Therapy	<b>Dr. Amitava Sengupta</b> <b>IICB</b>
	<b>Company Presentation - MGI</b>	
	Association of clustered enhancers with cancer progression	<b>Dr. Dimple Notani</b> <b>NCBS</b>
	Molecular Profiling In Cancer - Does It Change Outcome In Indian Patients	<b>Dr. Kumar Prabhash</b> <b>Tata Memorial Hospital</b>
<b>11:10-11:30 AM</b>	<b>Tea break</b>	

Time	Topic	Speaker
	<b>Session VIII</b>	
11:30-1:20 PM	Cancer Cell Biology	
	<b>Chairpersons:</b> <b>Dr. Avinash Bajaj and</b> <b>Dr. Ujjaini Dasgupta</b>	
	The AMPK-Twist Tango In Cancer Progression	<b>Dr. Annapoorni Rangarajan</b> <b>IISC</b>
	Molecular Determinants Of Telomerase Function	<b>Dr. Vinay Tergaonkar</b> <b>NUS</b>
	<b>Company presentation</b> <b>Sartorius</b>	
	Metabolic Altercations In Tumor Cells And Strategies To Modulate Them For Therapy	<b>Dr. Sibsankar Roy</b> <b>IICB</b>
	Pre-metastatic Niche Is A Driver Of MSC Homing, CAF Differentiation And Cancer Invasion	<b>Dr. Shamik Sen</b> <b>IITB</b>
<b>1:20-2:30 PM</b>	<b>Lunch</b>	
2:30-4:30 PM	Posters	
<b>4:30-5:00 PM</b>	<b>Tea</b>	



**Time****Topic****Speaker****Session IX****5:00-6:30 PM****Kamat Jaju Award****Chairpersons:  
Dr. Santosh Chauhan and  
Dr. Benu Brata Das****5:00-5:15 PM**Targeting AP-1/FRA-2  
Inhibits Proliferation and  
Promotes Chemosensitivity  
in Tongue of Cancer and  
Cancer Stem Cells.**Dr. Shilpi Gupta  
Amity University Noida****5:15-5:30 PM**Oncogenic expression driven  
by the hypermutation of  
super-enhancers in B cell  
lymphoma**Dr. Rahul Kumar  
IIT Hyderabad****5:30-5:45 PM**Tumor Infiltrating  
Lymphocytes promotes  
the aggressive behaviour  
of uveal melanoma cells**Dr. Lata Singh  
AIIMS New Delhi****5:45-6:00 PM**PCPMdb: An integrated  
database of phosphorylation  
and mutational events at  
the proteolytic cleavage  
sites leading to altered  
pathways in cancer**Dr. Gourab Das  
ACTREC****6:00-6:15 PM**Integrative analysis of  
coding and non-coding  
transcriptome from HNSCC  
patient identifies  
plasma-based miRNA  
biomarkers for early,  
non-invasive detection of  
oral lesions.**Dr. Sankhadeep Dutta  
CNCI****6:30-7:30 PM****GBM****8:00 PM****Dinner**

# AGENDA

Day 4 || 15th Jan., 2023

**Time**

**Topic**

**Speaker**

## Session X

9:15 - 11:00 AM

Metabolism and Therapy  
Resistance

**Chairpersons:**

**Dr. Sanjeev Waghmare and**

**Dr. Nandini Verma**

Prospective Targeted Therapeutic  
Options For Advanced And  
Platinum Resistant Epithelial  
Ovarian Cancer

**Dr. Pritha Ray**

**ACTREC**

DNA damage independent role  
of DNA-PKcs drives AML  
resistance

**Dr. Shilpee Dutt**

**ACTREC**

Elucidating The Role Of  
mTORC2 In The Regulation Of  
Sphingolipid Biosynthesis And  
Breast Cancer Progression

**Dr. Ujjaini Dasgupta**

**Amity University**

Targeting AML Metabolism:  
Potential and Strategies

**Dr. Vikram Mathews**

**CMC Vellore**

11:20 - 11:25 AM

**Tea break**

Time	Topic	Speaker
	<b>Session XI</b>	
11:20-1:10 PM	Novel Therapeutic Strategies	
	<b>Chairpersons: Dr. Shilpee Dutt and Dr. V Prasanna</b>	
	Towards microRNA Therapeutics in Cancer	<b>Dr. Frank Slack BIDMS</b>
	Shifting Pradigms in Cancer Treatment - From Winning the War to Winning through Tranformation - Lessons from Ashoka	<b>Dr. Jaya Ghosh Tata Memorial Hospital</b>
	<b>Company Presentation Eli Lilly</b>	
	Make in India” CAR-T cell therapy for blood cancer treatment	<b>Dr. Rahul Purwar IIT Bombay</b>
	Strengthening the Pillars of Nanomedicine to Combat Cancer	<b>Dr. Avinash Bajaj Regional Center for Biotechnology</b>
<b>1:10-2:10 PM</b>	<b>Lunch</b>	

Time	Topic	Speaker
	<b>Session XII</b>	
2:10-3:10 PM	Short Talks (4)	
	<b>Chairpersons:</b> <b>Dr. Ashok Varma and</b> <b>Dr. Rajiv Sairin</b>	
2:10-2:25 PM	Dietary epigenetic modulators promote metabolic crisis and genomic instability in breast cancer through ABCB1-efflux transporters.	<b>Dr. Syed Musthapa Meeran</b> <b>CSIR-CFTRI</b>
2:25-2:40 PM	Role of SUPT5H Breast Cancer Tumorigenicity	<b>Dr. Yuba Raj Pokharel</b> <b>South Asian University</b>
2:40-2:55 PM	Role of SUPT5H Breast Cancer Tumorigenicity	<b>Dr. Subhrajit Biswas</b> <b>Amity University Noida</b>
2:55-3:10 PM	Clusterin and PGC1 $\alpha$ coordinately activates mitophagy and mitochondrial biogenesis to inhibit apoptosis in oral cancer	<b>Sujit Kumar Bhutia</b> <b>NIT Rourkela</b>
3:20-4:30 PM	Panel Discussion: Actionable Cancer Omics: Challenges and Opportunities	
	<b>Moderator:</b>	<b>Dr. Suverra Dhup</b> <b>ICGA</b>
	<b>Participants:</b>	<b>Dr. Shantanu Chowdhury</b> <b>IGIB</b> <b>Dr. Sudeep Gupta</b> <b>ACTREC</b> <b>Dr. LS Shashidhara</b> <b>IISER Pune</b> <b>Dr. S.V.S. Deo</b> <b>AIIMS</b> <b>Dr. Anand Deshpande</b> <b>Persistent Systems</b>
4:30 - 5:00 PM	Valedictory function and vote of thanks	
<b>5:00 PM</b>	<b>High Tea</b>	