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# ANRF-PAIR 2026 Conference on Cancer Genomics, Diagnostics and Therapeutics

28<sup>th</sup> - 30<sup>th</sup> January, 2026



Organized by  
**Department of Biological Sciences and Bioengineering**  
IIT KANPUR

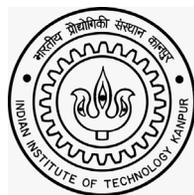




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## Day 1: 28th January (Wednesday)

08:00- 09:00 am	Breakfast
09:00 - 09:30 am	Registration
09:30 - 10:00 am	Inauguration, Introduction to ANRF-PAIR  <b>Dr. T. Thangaradjou (ANRF), Dr. Sudhir K. Awasthi (CSJMU), Dr. Tarun Gupta (DoRD, IITK), Dr. Ashwani Kumar Thakur (BSBE)</b>
10:00 - 10:30 am	Group Photo and Tea Break
	Session Chair <b>Dr. Bushra Ateeq</b> IIT Kanpur
10:30 - 11:00 am	Faculty Talk- 1 <b>Dr. Sharmila Mande</b> Ayush Distinguished Scientist Chair, Ministry of Ayush <b>Gut Microbiome and Cancer</b>
11:00 - 11:30 am	Faculty Talk – 2 <b>Dr. Javed N Agrewala</b> IIT Ropar <b>Phenotypic marker driven signaling strategies for selective induction of apoptosis in malignant cells</b>
11:30 - 12:00 pm	Faculty Talk – 3 <b>Dr. Susanta Samajdar</b> Aurigene Oncology Limited, Bangalore <b>Utility of AOL's Proprietary Protein Degradation Platform DNSD: Discovery of Best- in-class Pan KRAS degrader clinical candidate for the treatment of mutant KRAS driven cancers</b>



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Suyash Chemicals

FROM DISCOVERY TO VALIDATION



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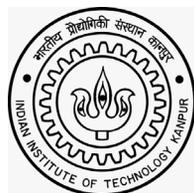
	<p>Session Chair <b>Dr. Javed N Agrewala</b> IIT Ropar</p>
<p>12:00 - 12:30 pm</p>	<p>Faculty Talk – 4 <b>Dr. Luna Samanta</b> Ravenshaw University, Cuttack, Odisha <b>Breaking Exosome-Fueled Nanotube Networks: Targeting Redox Adaptation in Therapy-Resistant Breast Cancer</b></p>
<p>12:30 - 01:00 pm</p>	<p>Faculty Talk – 5 <b>Dr. Mayank Singh</b> AIIMS, New Delhi <b>Tackling Drug resistance in Multiple Myeloma through Novel Immunotherapy based Approaches</b></p>
<p>01:00 - 01:30 pm</p>	<p>Faculty Talk – 6 <b>Dr. Akhilanand Chaurasia</b> KGMU, Lucknow <b>An explainable AI approach for comprehensive detection, grading and molecularly aligned risk prediction in oral cancer</b></p>
<p>01:30 - 02:30 pm</p>	<p>Lunch Break</p>
	<p>Session Chair <b>Dr. Rakesh K Majhi</b> IIT Kanpur</p>
<p>02:30 - 03:00 pm</p>	<p>Faculty Talk – 7 <b>Dr. Bushra Ateeq</b> IIT Kanpur <b>DKC1-mediated Sphingolipid Dysregulation Drives Colorectal Cancer and Therapy Resistance</b></p>
<p>03:00 - 03:30 pm</p>	<p>Faculty Talk – 8 <b>Dr. Nidhan Biswas</b> National Institute of Biomedical Genomics, Kalyani <b>Deciphering the Genomic and Immune Trajectory of Indian Oral Cancer Progression: From Precancer to Metastasis</b></p>





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<b>03:30 - 03:45 pm</b>	<b>Industry Talk: Merck, Dr. Ankur Gautam</b> Advances in 3D Cell Culture: Transitioning from 2D to 3D
<b>03:45 - 04:00 pm</b>	<b>IITK Facility Talk: Dr. Rashmi Parihar</b> Introduction to Central Experimental Animal Facility at IIT Kanpur
<b>04:00 - 05:00 pm</b>	Tea Break and <b>Poster Session</b>
<b>05:00 - 5:30 pm</b>	<b>Flash Talks by Students (6 Nos.)</b>
<b>05:30 - 06:00 pm</b>	Faculty Talk – 9 <b>Dr. Sharmila Bapat</b> Ayush Distinguished Scientist Chair, Ministry of Ayush
<b>06:00 - 06:30 pm</b>	Tea Break
<b>06:30 - 07:30 pm</b>	<b>Networking and IIT Kanpur Lab Visit</b>
<b>07:30 - 09:30 pm</b>	<b>Gala Dinner</b>



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**Day 2: 29th January (Thursday)**

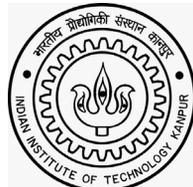
08:00 - 09:30 am	Breakfast
	<p>Session Chair <b>Dr. Luna Samanta</b> Ravenshaw University</p>
09:30 - 10:00 am	<p>Faculty Talk – 1 <b>Dr. Rajeev Mishra</b> Chatrapati Shahu Ji Maharaj University, Kanpur <b>Integrative Cancer Genomics Approaches to Identify Actionable Epigenetic Targets.</b></p>
10:00 - 10:30 am	<p>Faculty Talk – 2 <b>Dr. Sabarinathan Radhakrishnan</b> NCBS, Bangalore <b>GATA3-extension Mutants Rewire Lineage Identity in Luminal Breast Cancer</b></p>
10:30 - 11:00 am	<p>Faculty Talk – 3 <b>Dr. Anuradha Kalani</b> Chatrapati Shahu Ji Maharaj University, Kanpur <b>Exosomes: Tiny Couriers, Big Impact in Theranostics</b></p>
11:00 - 11:30 am	<p>Faculty Talk – 4 <b>Dr. Ashok Kumar</b> IIT Kanpur <b>Clinically Relevant Therapeutic Innovations in IBD: Targeted and Minimally Invasive Strategies</b></p>
11:30 - 12:00 pm	Tea Break
	<p>Session Chair <b>Dr. R. Sankararamakrishnan</b> IIT Kanpur</p>
12:00 - 12:30 pm	<p>Faculty Talk – 5 <b>Dr. Santosh K Misra</b> IIT Kanpur <b>Nanocarbon Platforms for New Generation Diagnostics</b></p>





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<p><b>12:30 - 01:00 pm</b></p>	<p>Faculty Talk – 6  <b>Dr. Kartiki Desai</b>  National Institute of Biomedical Genomics, Kalyani  <b>Genome wide analysis of YBX1-mediated redistribution of JMJD6 in ER+ breast cancer cells</b></p>
<p><b>01:00 - 01:30 pm</b></p>	<p>Faculty Talk – 7  <b>Dr. Pritha Ray</b>  ACTREC, Tata Memorial Centre  <b>Autophagy at the cross road of tumor/cancer stem cell plasticity during acquirement of chemoresistance</b></p>
<p><b>01:30 - 02:30 pm</b></p>	<p>Lunch Break</p>
<p><b>02:30 - 03:00 pm</b></p>	<p>Session Chair  <b>Dr. Srikanta Jena</b>  Ravenshaw University</p>
<p><b>02:30 - 03:00 pm</b></p>	<p>Faculty Talk – 8  <b>Dr. Mohammad Kaleem Ahmad</b>  KGMU, Lucknow  <b>MicroRNAs in Prostate Cancer Diagnosis: Molecular Insights and Translational Implications</b></p>
<p><b>03:00 - 03:15 pm</b></p>	<p><b>Industry Talk: Sartorius</b>, Dr. Hargopal Satsangi  Sartorius Lab Solution to Cancer Biology</p>
<p><b>03:15 - 04:00 pm</b></p>	<p><b>Flash Talks by Students (9)</b></p>
<p><b>04:00 - 05:00 pm</b></p>	<p>Tea Break and <b>Poster Session</b></p>
<p><b>05:00 - 08:00 pm</b></p>	<p><b>Flowcytometry Workshop, Networking</b></p>
<p><b>08:00 - 09:30 pm</b></p>	<p>Dinner</p>



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**Day 3: 30th January (Friday)**

08:00-10:00 am	Breakfast
	<p>Session Chair <b>Dr. Chandresh Sharma</b> CSJM University</p>
10:00 - 10:30 am	<p>Faculty Talk – 1 <b>Dr. Nazia Chaudhary</b> ACTREC, Tata Memorial Centre, Navi Mumbai <b>Targetable Metabolic Dependencies Drive Therapy Resistance in Treatment-Refractory Colorectal Cancer</b></p>
10:30 - 11:00 am	<p>Faculty Talk – 2 <b>Dr. Shaida Andrabi</b> University of Kashmir, Srinagar <b>Focal adhesion kinase and CDK16: Investigating their role in tumorigenesis and promotion of chemoresistance</b></p>
11:00 - 11:30 am	<p>Faculty Talk – 3 <b>Dr. Rakesh Kumar Majhi</b> IIT Kanpur <b>Ion channel mediated modulation of anti-cancer activity of Natural Killer cells</b></p>
11:30 - 11:45 am	<p>Industry Talk: BD, Dr. Subhadeep <b>BD: New Innovations and it's Applications</b></p>
11:45 - 12:00 pm	Tea Break
	<p>Session Chair <b>Dr. Sharmila Mande</b> Ministry of Ayush</p>
12:00 - 12:30 pm	<p>Faculty Talk – 4 <b>Dr. Priyanka Bagade</b> IIT Kanpur <b>AI in Healthcare</b></p>
12:30 - 01:00 pm	<p>Faculty Talk – 5 <b>Dr. Dharmaraja Allimuthu</b> <b>Synthetic ion channel-driven cytoplasmic vacuolization triggers paraptosis in ferroptosis-resistant cancer cells</b></p>





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<p><b>01:00 - 01:30 pm</b></p>	<p>Faculty Talk – 6  <b>Dr. Devivasha Bordoloi</b>  IISER Bhopal  <b>Novel biologics for targeted ovarian cancer immunotherapy</b></p>
<p><b>01:30 - 02:30 pm</b></p>	<p>Lunch Break</p>
<p><b>02:30 - 03:00 pm</b></p>	<p>Session Chair  <b>Dr. Anuradha Kalani</b>  CSJM University</p>
<p><b>03:00 - 03:30 pm</b></p>	<p>Faculty Talk – 7  <b>Dr. Mahesh Kumar Panda</b>  Ravenshaw University, Cuttack, Odisha  <b>E-Bayesian and Hierarchical Bayesian Estimation of a Class of Lifetime Distributions under Adaptive Progressive Type-II Censoring Scheme with Application to Cancer Data</b></p>
<p><b>03:30 - 03:30 pm</b></p>	<p>Faculty Talk – 8  <b>Dr. Hamim Zafar</b>  IIT Kanpur  <b>Computational analysis of single-cell and spatial omics datasets for elucidating cancer heterogeneity</b></p>
<p><b>03:30 - 04:00 pm</b></p>	<p><b>Flash Talks by Students (6)</b></p>
<p><b>04:00 - 04:30 pm</b></p>	<p>Tea Break</p>
<p><b>04:30 - 05:00 pm</b></p>	<p><i>Award Ceremony &amp; Valedictory Function</i></p>
<p><b>05:00 - 08:00 pm</b></p>	<p><b>Flowcytometry Workshop, Networking</b></p>
<p><b>08:00 - 09:30 pm</b></p>	<p>Dinner</p>



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