



<sup>th</sup>  
**39**  
**IACR**  
**2020**  
**FEB 5-6-7**

**PROGRAM SCHEDULE**  
**ANNUAL CONFERENCE OF**  
**INDIAN**  
**ASSOCIATION FOR**  
**CANCER RESEARCH**

ORGANIZED BY:  
RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY



**DAY 1** 5<sup>th</sup> FEBRUARY, 2020

**08.00 – 09.00**

**REGISTRATION**

**OPENING SESSION**

**VIZHINJAM HALL**

**09.00 – 09.15**

**Welcome**

**Professor M. Radhakrishna Pillai,**

President, Indian Association for Cancer Research,  
Director, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.

**09.15 – 09.30**

**Special Address (Video)**

**Dr. Soumya Swaminathan,**

Executive Director and Chief Scientist,  
World Health Organization.

**09.30 – 10.00**

**Keynote Address**

**Oral Cancer and its Spread: Genomic and Epigenomic Hallmarks**

**Professor Partha P. Majumder,**

Distinguished Professor and Former Director, National Institute of Biomedical  
Genomics, Kalyani, India.

President, Indian Academy of Sciences.

**SESSION 1**

**VIZHINJAM HALL**

Chairpersons: **Professor Rakesh Kumar , Dr. R. Sankaranarayanan**

**10.00 – 10.30**

**Plenary Lecture**

**The American Association for Cancer Research: Enabling Global Progress Against Cancer**

**Dr. Frederic Biemar,**

Director, International Affairs,  
American Association for Cancer Research.

**10.30 – 11.00**

**Plenary Lecture**

**NOS2 and COX2 as major drivers of poor outcome in ER- breast cancer.  
New therapeutic opportunities in a difficult disease.**

**Dr. David A. Wink Jr.,**

National Cancer Institute, NIH, USA.

**11.00 – 11.30**

**Plenary Lecture**

**Characterizing the epigenome using single cell ATAC sequencing**

**Dr. Patrick M. Gaffney,**

Oklahoma Medical Research Foundation, Oklahoma, USA.

11.30 – 13.00

POSTER SESSION

*LIGHT HOUSE HALL*

11.30– 12.00

Tea and Coffee

12.15 – 13.00

Soup and Hors d'oeuvre

13.00 – 14.00

LUNCH (*GRASSHOPPER RESTAURANT & COURTYARD RESTAURANT*)

14.00 – 15.20

**SESSION 2A**

**BAY HALL**

Chairpersons:

*Professor Sharmila Sengupta,  
Dr. Arun Sreekumar*

**SESSION 2B**

**WAVES HALL**

Chairpersons:

*Dr. David A. Wink Jr,  
Dr. Frederic Biemar*

14.00 – 14.20

**SESSION 2C**

**AQUA HALL**

Chairpersons:

*Dr. Susanta Roychoudhury,  
Dr. Subhrajit Biswas*

**Targeting hypoxia signalling in glioma**

*Professor Subrata Sinha,*  
All India Institute of Medical  
Sciences,  
New Delhi, India.

**Cellular Fitness Phenotype  
of Cancer Target Genes  
in Repurposing Cancer  
Therapeutics**

*Professor Rakesh Kumar,*  
Rajiv Gandhi Centre for  
Biotechnology,  
Thiruvananthapuram, India.

**Targeting Inflammatory  
Pathways Linked to Cancer by  
Agents Designed by Mother  
Nature: Food as Medicine**

*Professor Bharat B. Aggarwal,*  
Inflammation Research Center,  
San Diego, California, USA.

**14.20 – 14.40**

**Genetic and Epigenetic Regulation of Ovarian Cancer Genesis and Progression by Non-coding RNAs**

***Professor Danny N. Dhanasekaran,***  
Stephenson Cancer Center,  
OUHSC, Oklahoma, USA.

**Targeting breast cancer stem cells with ON108600, an inhibitor of CK2, TNIK and DYRK kinases**

***Professor E. Premkumar Reddy,***  
Icahn School of Medicine at  
Mount Sinai, New York, USA.

**Role of TGF-beta in stromal cell promotion of breast cancer**

***Professor Paturu Kondaiah,***  
Indian Institute of Science,  
Bengaluru, India.

**14.40 – 15.00**

**Novel Telomerase Inhibitors**

***Professor Vinay Tergaonkar,***  
Yong Loo Lin School of  
Medicine, NUS, Singapore.

**Onco-Metabolic Regulatory Pathways in Non-Hodgkin Lymphoma (NHL)**

***Dr. Ravi Dashnamoorthy,***  
Rutgers Cancer Institute of New  
Jersey, USA.

**Cancer stem-like cells are the tumor initiating cells: How important the differentiated bulk cells?**

***Professor Kumar Somasundaram,***  
Indian Institute of Science,  
Bengaluru, India.

15.00 – 15.20

**Targeted therapy of breast cancer: Drug resistant stem cell models for molecular subtypes.**

***Dr. Nitin Telang,***  
Palindrome Liaisons  
Consultants,  
Montvale, New Jersey, USA.

**Exploring tumor microenvironment of HPV associated cervical cancer**

***Professor Prabhudas S. Patel,***  
The Gujarat Cancer & Research  
Institute, Ahmedabad, India.

**Exploring cell intrinsic and extrinsic mechanisms of breast cancer metastasis**

***Dr. Radhika Nair,***  
Rajiv Gandhi Centre  
for Biotechnology,  
Thiruvananthapuram, India.

**TEA AND COFFEE BREAK: 15.20 – 15.40**

15.40 – 18.00

**SESSION 3A**

***BAY HALL***

**IACR AWARD FOR BEST ORAL PRESENTATION FOR STUDENTS/ RESEARCH FELLOWS**  
(Annexure: I)

**SESSION 3B**

***WAVES HALL***

**IACR AWARD FOR BEST ORAL PRESENTATION FOR MID LEVEL SCIENTISTS**  
(Annexure:II)

**SESSION 3C**

***AQUA HALL***

**RGCB-IACR AWARD FOR BEST ORAL PRESENTATION FOR POST DOCTORAL FELLOWS**  
(Annexure: III)

**SESSION 4**

***VIZHINJAM HALL***

**18.00 – 19.30**

**IACR 2020: LOOKING BACK TO FIGHT FORWARD**

***Dr. M.G. Deo*** (Founder President), ***Professor Dhananjaya Saranath, Professor Bhudev C. Das, Professor Rita Mulherkar, Dr. S. V. Chiplunkar, Professor Neeta Singh, Professor Susanta Roychoudhury,***

Chairperson: ***Professor M. Radhakrishna Pillai***

**19.30 – 21.30**

**DINNER**



**DAY 2**      **6<sup>th</sup> FEBRUARY, 2020**

**SESSION 5**

***Plenary Lecture***  
***VIZHINJAM HALL***

Chairpersons: ***Professor Partha P. Majumdar, Dr. S. V. Chiplunkar***

**09.00 – 09.30**

**Love it or Hate it?: IP Protection & limited monopoly in drug development/commercialization**

***Mr. Manu S. Nair,***  
Technology Ventures, Oklahoma Medical Research Foundation (Oklahoma), USA.

**09.30 – 10.00**

**Role of cell-cell communication in endocrine therapy resistant breast cancer**

***Professor Robert Clarke,***  
Georgetown University School of Medicine,  
Washington DC, USA.

10.00 – 11.30

SESSION 6

IACR DEBATE

*VIZHINJAM HALL*

**“CANCER RESEARCH INVESTMENT SHOULD SHIFT FROM LATE-STAGE TREATMENT TO EARLY-STAGE DETECTION”**

**FOR THE MOTION: *Dr. R SANKARANARAYANAN***

(Former Director of Cancer Prevention, IARC, Lyon, France)

**AGAINST THE MOTION: *Professor SOO KHEE CHEE***

(Former Director, National Cancer Centre, Singapore)

Moderator: ***Professor Maqsood Siddiqi***

11.30 – 13.00

POSTER SESSION

*LIGHT HOUSE HALL*

11.30 – 12.00 : Tea and Coffee

12.15 – 13.00 : Soup and Hors d'oeuvre

13.00 – 13.45

LUNCH (GRASSHOPPER RESTAURANT & COURTYARD RESTAURANT)

**SESSION 7A****BAY HALL**

Chairpersons:

**Dr. Patrick M. Gaffney,**  
**Professor Anindya Dutta**

13.45 – 16.05

**SESSION 7B****WAVES HALL**

Chairpersons:

**Professor Kumar Somasundaram,**  
**Dr. Tanuja R. Teni**

**SESSION 7C****AQUA HALL**

Chairpersons:

**Dr. Bharat Aggarwal,**  
**Dr. Nitin Telang**

**Therapeutic Targeting for  
effective treatment of Cervical  
Cancer**

**Professor Bhudev C. Das**  
Amity Institute of Molecular  
Medicine & Stem Cell Research  
Uttar Pradesh, India.

**Early Detection of Cancers:  
Indian Scenario**

**Professor Ramadas K.,**  
Regional Cancer Centre,  
Thiruvananthapuram, India.

**Multiparametric individualized  
Cancer Therapy explained in  
cases**

**Dr. Bernd-Michael Löffler,**  
Institute for Mitochondrial  
Medicine, Germany.

14.05 – 14.25

**Multiplexed molecular cytology  
based point-of-care diagnosis  
for oral cancer**

**Dr. Moni Abraham Kuriakose,**  
Cochin Cancer Research  
Institute, Kochi, India.

**Challenges in implementation of  
cancer prevention programs in  
the community**

**Ms. Sutapa Biswas,**  
Cancer Foundation of India,  
Kolkata, India.

**Host Defense Peptides as a tool  
to fight against cancer**

**Dr. Tessy Thomas Maliekal,**  
Rajiv Gandhi Centre  
for Biotechnology,  
Thiruvananthapuram, India.

**14.25 – 14.45**

**Targeting oncogenic transcription factor STAT3 for cancer therapy**

***Professor Gautam Sethi,***  
National University of Singapore, Singapore.

**Breast Cancer in Indian women: Epidemiological Characteristics, Hormonal and Other Risk factors**

***Professor Aleyamma Mathew,***  
Regional Cancer Centre, Thiruvananthapuram, India.

**Mature miRNA-Mediated Transcriptional Activation in Cancer**

***Dr. Pradeep Chaluvally Raghavan,***  
Medical College of Wisconsin, Milwaukee, USA.

**14.45 – 15.05**

**Personalized Radio genomics: A step towards precision oncology**

***Dr. Arnab Pal,***  
Post Graduate Institute of Medical Education & Research, Chandigarh, India.

**Cervical Cancer Control in India: Search for alternative screening techniques.**

***Professor K. Sujathan,***  
Regional Cancer Centre, Thiruvananthapuram, India.

**Alteration of Survival Signals to Regulate Liver Diseases and Hepatocellular Carcinoma**

***Professor Subhrajit Biswas,***  
Amity Institute of Molecular Medicine & Stem Cell Research, Noida, India.

15.05 – 15.25

**Targeting Axonal Guidance Proteins in Tumorigenesis: Role of Genetic Status of KRAS and TGF- $\beta$ 1 Signaling Pathways**

***Professor Debabrata Mukhopadhyay***

Mayo Clinic, Jacksonville, Florida, USA.

**DIAMOnDS: An integrated approach towards molecular oncopathology.**

***Dr. Shalu Jain,***

DHR, Ministry of Health and Family Welfare, New Delhi, India.

**Alternate Routes for Targeting Tumor Immune Escape: Role of Hippo Signalling Components in PDL-1 Regulation in Triple Negative Breast Cancers.**

***Dr. S. Lakshmi,***

Regional Cancer Centre, Thiruvananthapuram, India.

15.25 – 15.45

**MicroRNA-214 acts as a tumor suppressor in human cervical and colorectal cancer cells**

***Professor D. Karunagaran,***

Indian Institute of Technology, Madras, India.

**Implications of Autophagy regulated chemotherapy in cancer stem cells**

***Professor Shalmoli Bhattacharya,***

Post Graduate Institute of Medical Education & Research, Chandigarh, India.

**PTBP2 exon 10 inclusion is associated with the progression of CML and it is BCR-ABL1 dependent**

***Dr. Soumen Chakraborty,***

Institute of Life Sciences, Bhubaneswar, India.

15.45 – 16.05

**Extending two dose HPV vaccine recommendation to 15 to 18 year old girls.**

***Dr. Devasena Anantharaman,***  
Rajiv Gandhi Centre  
for Biotechnology,  
Thiruvananthapuram, India.

**Identifying inhibitors of epithelial-mesenchymal plasticity using a systems biology approach**

***Dr. Mohit Kumar Jolly,***  
Indian Institute of Science,  
Bengaluru, India.

**In-silico analysis of karyotypic anomalies in breast cancer and risk associated with HIF1a, VEGF, VEGFR1, TP53 polymorphisms**

***Dr. Vasudha Sambyal Arora***  
Guru Nanak Dev University,  
Amritsar, Punjab, India.

16.05 – 16.30

**TEA AND COFFEE BREAK**

16.30 – 17.30

**SESSION 8A**

***BAY HALL***

**PLATFORM  
PRESENTATIONS-I  
(Annexure: IV)**

**SESSION 8B**

***WAVES HALL***

**PLATFORM  
PRESENTATIONS-II  
(Annexure:V)**

**SESSION 8C**

***AQUA HALL***

**PLATFORM  
PRESENTATIONS-III  
(Annexure: VI)**

17.30 – 18.30

**SESSION 9A**

**BAY HALL**

Chairpersons:

***Dr. Robert Clarke,  
Professor E. Premkumar Reddy***

**SESSION 9B**

**WAVES HALL**

Chairpersons:

***Dr. Moni Abraham Kuriakose,  
Dr. Dhananjaya Saranath***

**SESSION 9C**

**AQUA HALL**

Chairpersons:

***Dr. Gautam Sethi,  
Dr. Rita Mulherkar***

17.30 – 17.50

**Cancer Stem cells exploit the  
Insulin Growth Factor pathway  
in Cervical Cancer**

***Professor Radhika Srinivasan,***  
Post Graduate Institute of  
Medical Education & Research,  
Chandigarh, India.

**Biomarkers for susceptibility  
and progression of HBV related  
disease development to  
hepatocellular carcinoma.**

***Professor Jyotdeep Kaur,***  
Post Graduate Institute of  
Medical Education & Research,  
Chandigarh, India.

**Germline (inherited) variants in  
genes significantly affect clinical  
outcome and genome stability in  
a wide variety of cancers.**

***Professor Anindya Dutta,***  
University of Virginia School of  
Medicine, Virginia, USA.

**17.50 – 18.10**

**LCN2: A potential therapeutic target in multiple tumor types.**

***Dr. Sorab N. Dalal,***  
ACTREC - Tata Memorial Centre,  
Mumbai, India.

**Secretome of Bone Marrow-Derived Mesenchymal Stem Cells in Breast Cancer Resistance**

***Professor Pranela Rameshwar,***  
Rutgers New Jersey Medical  
School, Newark, USA.

**Deciphering the role of Mcl-1 and its interacting partners in radio-resistance of oral cancer cells**

***Dr. Tanuja R. Teni,***  
ACTREC - Tata Memorial Centre,  
Mumbai, India.

**18.10 – 18.30**

**Theranostics: the new paradigm in cancer management**

***Professor Anish Bhattacharya,***  
Post Graduate Institute of  
Medical Education & Research,  
Chandigarh, India.

**Efficacy of Green Jackfruit Flour Fortified Diet on Pegfilgrastim to Prevent Chemotherapy-induced Leukopenia, Irrespective of Tumor Type or Drugs Used - A Retrospective Study**

***Dr. Thomas Varughese,***  
Renai Medicity,  
Kochi, India.

**Identification of novel small molecules against Heparanase, TFF3 and BAD in hepatocellular carcinoma**

***Dr. Basappa Salundi,***  
University of Mysore, Mysore,  
India.



**18.30 – 19.00**

**IACR GENERAL BODY MEETING (*VIZHINJAM HALL*)**

**19.00 – 20.00**

**CULTURAL EVENING**

**20.00 – 21.30**

**DINNER**

**DAY 3**      **7<sup>th</sup> FEBRUARY, 2020**

**09.00 – 09.30**

**SESSION 10**

***Plenary Lecture***  
***VIZHINJAM HALL***

Chairpersons: ***Professor Bhudev C. Das, Professor Pranela Rameshwar***

**Hereditary Breast and Ovarian Cancers – Indian Scenario**

***Professor Thangarajan Rajkumar,***  
Cancer Institute, Adayar,  
Chennai, India.

**09.30 – 11.10**

**SESSION 11A**  
***VIZHINJAM HALL***

**PLATFORM PRESENTATIONS-IV**  
**(Annexure: VII)**

**SESSION 11B**  
***LIGHT HOUSE HALL***

**PLATFORM PRESENTATIONS - V**  
**(Annexure: VIII)**

11.10 - 11.20

TEA AND COFFEE BREAK (GRASSHOPPER RESTAURANT)

11.20 – 12.00

**SESSION 12A**

***VIZHINJAM HALL***

Chairpersons:

***Professor Jyotdeep Kaur,***

***Dr.S. Asha Nair***

**SESSION 12B**

***LIGHT HOUSE HALL***

Chairpersons:

***Dr. Ravi Dashnamoorthy,***

***Professor Thangarajan Rajkumar***

11.20 – 11.40

**Prevention of arsenic induced carcinogenesis  
by phytochemicals**

***Dr. Madhumita Roy,***

Chittaranjan National Cancer Institute, Kolkata,  
India.

**DEAD-box RNA Helicase DP103 Predicts Statin  
Sensitivity in Triple Negative Breast Cancer**

***Professor Alan Prem Kumar,***

Yong Loo Lin School of Medicine,  
NUS, Singapore.

11.40 – 12.00

**Nikon Solution for Cancer Research**

**Dr. Clement Khaw,**  
Manager – Applications,  
Nikon, Singapore

**Potential role of Lipid Phosphate Phosphatase 3  
in Oral Squamous Cell Carcinoma**

**Dr. Ashok Kumar,**  
All India Institute of Medical Sciences,  
Patna, Bhopal, India.

12.00 – 13.00

**SESSION 13**

**VIZHINJAM HALL**

**FIGHTING AND WINNING: THE SELF-FULFILLING PROPHECY**

**Ms. Mamta Mohandas** (Cine Artist),  
**Dr. P Kusuma Kumari** (Former Deputy Director, Regional Cancer Centre, Thiruvananthapuram),  
**Dr. N Sreedevi Amma** (Former Additional Director, Regional Cancer Centre, Thiruvananthapuram)  
Chairperson: **Professor Maqsood Siddiqi**

13.00 – 14.00

**LUNCH (GRASSHOPPER RESTAURANT)**

14.00 – 15.20

**SESSION 14A**

**VIZHINJAM HALL**

Chairpersons:

***Dr. Sorab N. Dalal,  
Dr. Madhumita Roy***

**SESSION 14B**

**LIGHT HOUSE HALL**

Chairpersons:

***Dr. Bernd Michael Loeffler,  
Professor Sharmila Sengupta***

14.00 – 14.20

**Genistein supplementation prevents mammary tumor recurrence after tamoxifen therapy and reverses gut dysbiosis in the offspring of obese rat dams**

***Professor Leena A. Hilakivi – Clarke,***  
Georgetown University School of Medicine,  
Washington D C, USA.

**AADAT : a novel metabolic enzyme that regulates immune microenvironment in aggressive breast cancers**

***Professor Arun Sreekumar,***  
Baylor College of Medicine,  
Houston, USA.

14.20 – 14.40

**Regulation of Parkin mediated mitophagy by an endosomal - associated ubiquitin ligase**

***Professor S. Murty Srinivasula,***  
Indian Institute of Science, Education and  
Research, Thiruvananthapuram, Kerala, India.

**The Exosome Encapsulated microRNAs as Circulating Diagnostic Marker for Hepatocellular Carcinoma with Low Alpha Feto Protein**

***Dr. Soma Banerjee,***  
Centre for Liver Research,  
School of Digestive & Liver Diseases, Kolkata, India.

14.40 – 15.00

**AI Enabled Large Scale Screening of Aggressive Cancers**

*Dr. Rajiv Janardhanan,*  
Amity Institute of Public Health,  
Amity University, Noida, India.

**Targeting B cell malignancies with CD19 CAR T cells**

*Dr. Sunil Martin,*  
Christian Medical College, Vellore, India.

15.00 – 15.20

**Aberrant activation of JAK/STAT signaling by Helicobacter pylori contributes to development of gastric carcinogenesis.**

*Dr. Dil-Afroze*  
Sher-i-Kashmir Institute of Medical Sciences  
Srinagar (J&K), India.

**Involvement of gut microbiome in gastric cancer and peptic ulcer**

*Dr. Santanu Chattopadhyay,*  
Rajiv Gandhi Centre for Biotechnology,  
Thiruvananthapuram, Kerala, India.

15.20 – 16.00

**VALEDICTORY FUNCTION  
VIZHINJAM HALL**

**Annexure: I**  
**IACR AWARD FOR BEST ORAL PRESENTATION FOR**  
**STUDENTS/ RESEARCH FELLOWS**

**(05/02/2020 – 15.40 to 18.00: BAY HALL)**  
**(8 minutes presentation + 2 minutes discussion)**

1. Ms. Archana P T, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.  
Unraveling the interplay between phenotypic heterogeneity and microenvironment in breast cancer metastasis (OP-1)
2. Ms. Aswathy Mary Paul, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.  
Towards Understanding the Nature of Shared Transcriptomic Alterations in Cancer (OP-2)
3. Ms. Bhavya Bharathan, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram  
Activation of MutT Homologue 1 in Glioma: The Defining Role of Mutant Isocitrate Dehydrogenase 1 and Reactive Oxygen Species (OP-3)
4. Ms. Drishya Dharmapal, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.  
Tubulin  $\beta$ -2c in cancer stem cell self-renewal (OP-4)
5. Ms. Dixcy Jaba Sheeba J M, Indian Institute of Technology, Guwahati

Regulation of cystatin A by estrogen and DNA methylation in breast cancer cells (OP-5)

6. Ms. Gisha Rose Antony, Regional Cancer Centre, Thiruvananthapuram  
Knockdown of PD-L1 in Human Breast Cancer Cells Inhibits Tumor Progression and Metastasis (OP-6)
7. Ms. Moumita Kundu, Indian Institute of Technology, Kharagpur  
Magnolol: a natural compound suppresses glioma progression through PI3K/AKT/FOXO3 signaling pathway (OP-7)
8. Mr. Prashnath Kumar M V, J S S Academy of Higher Education and Research, Mysuru  
Molecular mechanisms of breast cancer cell death induction by Vitamin-D3 and Metformin in vitro and in vivo (OP-8)
9. Mr. Pushkal Sinduvadi Ramesh, JSS Academy of Higher Education and Research, Mysuru  
NQO1 and p16 in HPV-associated HNSCC: Promising predictive biomarkers for identifying exceptional responders to anti-cancer treatment (OP-9)
10. Ms. Reshma K M, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.  
Exploration of the oncolytic potential of a potent neurotropic rhabdovirus - Chandipura virus (OP-10)
11. Mr. Santanu Adhikary, Saha Institute of Nuclear Physics & IICB, Kolkata  
Suppression of breast cancer metastasis by histone H2B E3 ubiquitin ligase, UBR7 (OP-11)



12. Ms. Sravani Akula, CPMB, Osmania University, Hyderabad  
Prediction analysis of pathogenicity reveals significant proportion of passenger mutations in cancers (OP-12)
13. Ms. Sulfath T P, Regional Cancer Centre, Thiruvananthapuram  
Hippo pathway effector yes associated protein (YAP) mediates tumor aggressiveness in breast cancer cells (OP-13)
14. Mr. Tapas Pradhan, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.  
STIL: A Novel Player in Colorectal Cancer (OP-14)

**Annexure: II**  
**IACR AWARD FOR BEST ORAL PRESENTATION FOR**  
**MID LEVEL SCIENTISTS**

**05/02/2020 – 15.40 to 18.00: WAVES HALL**  
**(10 minutes presentation + 2 minutes discussion)**

1. Dr. Amar Preet Kaur, All India Institute of Medical Sciences, New Delhi  
Studying the effect of metformin on differentiation and tumor microenvironment in human colorectal carcinoma (OP-15)
2. Dr. Antara Banerjee, Chettinad Academy of Research and Education, Kelambakkam  
Comparative analysis of immune status of the primary and metastatic colorectal cancer: an in vitro study (OP-16)
3. Dr. Dhruv Kumar, Amity University of Molecular Medicine & Stem Cell Research, Noida.  
Dissecting metabolic cross-talk between cancer cells and tumor microenvironment in head and neck cancer (OP-17)
4. Dr. Guruvayoorappan C, Regional Cancer Centre, Thiruvananthapuram.  
Promising therapeutic molecules from marine mangroves for mitigating radiation induced esophagitis during thoracic radiation therapy for cancer – An in vivo study to improve the quality of life (QOL) of cancer patients with radiation esophagitis (OP-18)

5. Dr. Loganathan Rangasamy, Vellore Institute of Technology, Vellore.  
FolamiRs: Ligand-targeted delivery and endosomal release of microRNAs for the treatment of cancer (OP-19)
6. Dr. Satyendra C. Tripathi, All India Institute of Medical Sciences, Nagpur  
Polo like kinase 1 inhibition potentiates radiation effect in GBM cells (OP-20)
7. Dr. Somsubhra Nath, Saroj Gupta Cancer Centre and Research Institute, Kolkata  
Deciphering CUEDC2-mediated molecular crosstalk between hormone receptor status and ploidy regulation in breast cancer (OP-21)
8. Dr. Umakanta Subudhi, CSIR-Institute of Minerals & Materials Technology, Bhubaneswar  
Self-assembled branched DNA nanostructure as cancer therapeutics (OP-22)
9. Dr. Vipul Kumar Pandey, Bhabha Atomic Research Centre, Mumbai  
Prostaglandin E2 mediated inhibition of dendritic cell differentiation is mediated through IL-6/STAT3 pathway (OP-23)

**Annexure: III**  
**RGCB-IACR AWARD FOR BEST ORAL PRESENTATION FOR**  
**POST DOCTORAL FELLOWS**

**05/02/2020 – 15.40 to 18.00: AQUA HALL**  
**(8 minutes presentation + 2 minutes discussion)**

1. Dr. Asha Lekshmi, Regional Cancer Centre, Thiruvananthapuram  
Decisive Prognostic Implication of TP53 expression profile and mutation hierarchy in TNBC (OP-24)
2. Dr. Haritha H Nair, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram  
In vitro and in vivo evidences for curcumin-mediated chemosensitization of breast cancer stem cell-like population in MDA-MB-231 to 5-FU chemotherapy (OP-25)
3. Dr. Jyotika Rajawat, University of Lucknow, Lucknow  
Differential gene expression induced by PARP activation and inhibition in cervical cancer cells (OP-26)
4. Dr. Manu Kanjoormana Aryan, Duke-NUS Medical School, Singapore  
ICMT, a post-prenylation-processing enzyme, as a target against Pancreatic cancer (OP-27)

5. Dr. Nathiya Muthalagu, CRUK-Beatson Institute, United Kingdom  
Transcriptional repression underlies MYC-dependent immune evasion in Pancreatic Ductal Adenocarcinoma (OP-28)
6. Dr. Shilpi Gupta, AIMMSCR & NICPR, New Delhi  
Role of AP-1/Fra-2 and miR-184 in the maintenance of cancer stem cells during tongue carcinogenesis (OP-29)
7. Dr. Sriharsha Pradhan, New England Biolabs, USA  
Accessible chromatin landscape of human cancer cells (OP-30)
8. Dr. Syama H P, Regional Cancer Centre, Thiruvananthapuram  
Bio-fabrication of polysaccharide-silver nanoparticles and evaluation to apprehend the antitumor potential (OP-31)
9. Dr. Vineeta Sharma, ICMR-NICPR, New Delhi  
Evaluation of TNF-  $\alpha$  (-308G/A & -238G/A) levels along with haplotypic frequency in Reproductive Tract Infections (RTIs): Indian Women (OP-32)

**Annexure: IV**  
**PLATFORM PRESENTATION – I**

**06/02/2020 – 16.30 to 17.30: BAY HALL**  
**(10 minutes presentation + 2 minutes discussion)**

Chairpersons: *Dr. S. Murty Srinivasula, Dr. Pradeep Chaluvally Raghavan*

1. Dr. Aklank Jain, Central University of Punjab, Bathinda  
Circulating microRNA-590-5p acts as a liquid biopsy marker in non-small cell lung cancer and targets the STAT3 pathway (OP-33)
2. Industrial Lecture: Carl Zeiss (OP-34)
3. Dr. Anirban Chakraborty, NUCSER, Mangalore  
Profiling of EGFR “hot spot” mutations in lung cancer patients using droplet digital PCR (OP-35)
4. Dr. Kamlesh Guleria, Guru Nanak Dev University, Amritsar  
Linkage Disequilibrium and Haplotypes of Five TP53 Polymorphisms in Esophageal Cancer Patients (OP-36)

**Annexure: V**  
**PLATFORM PRESENTATION – II**

**06/02/2020 – 16.30 to 17.30: WAVES HALL**  
**(10 minutes presentation + 2 minutes discussion)**

Chairpersons: *Dr. Aleyamma Mathew, Professor Neeta Singh*

1. Dr. Kumaraswamy H M, Kuvempu University, Karnataka  
Design and development of tumor targeted embelin loaded Nano ZnO (OP-37)
2. Dr. Lakshmi S, HLL Life Care Ltd, Thiruvananthapuram  
Non hormonal Selective Estrogen receptor modulator 1-(2 [4{(3R,4S)-7-Methoxy-2, 2-dimethyl-3-phenyl chroman-4yl}phenoxy]ethyl)pyrrolidine hydrochloride (Ormeloxifene hydrochloride) for the treatment of breast cancer (OP-38)
3. Dr. Lokendra Sharma, SGPGIMS, Lucknow  
Mitochondrial complex I: Role in carcinogenesis with implications in diagnostics and mitochondrial therapeutics (OP-39)
4. Industrial Lecture: Spinco Biotech (OP-40)

**Annexure: VI**  
**PLATFORM PRESENTATION – III**

**06/02/2020 – 16.30 to 17.30: AQUA HALL**  
**(10 minutes presentation + 2 minutes discussion)**

Chairpersons: *Dr. Arnab Pal, Professor Debabrata Mukhopadhyay*

1. Industrial Lecture:  
Dr. Domokos Mathe, Semmelweis University, Budapest, Hungary  
Cancer theragnostics: joint applications of immuno-modulation and targeted radionuclide therapies (OP-41)
2. Professor Manoj Kashyap, Amity University, Haryana  
Aberrant RNA Splicing and its Relevance in Chronic Lymphocytic Leukemia (OP-42)
3. Professor Mohana S, Dr. Ambedkar Government Arts College, Chennai  
Socio Economic Status and Treatment of Cancer Patients, with special reference to Breast cancer (OP-43)
4. Dr. Prabhakar B T, Sahyadri Science College, Karnataka  
Clinical and experimental validation of HEF1/CasL protein role in establishment of Oral Squamous Cell Carcinoma Metastasis (OP-44)



**Annexure: VII**  
**PLATFORM PRESENTATION – IV**

**07/02/2020 – 09.30 to 11.10: VIZHINJAM HALL**  
**(10 minutes presentation + 2 minutes discussion)**

Chairpersons: *Professor Radhika Srinivasan, Dr. S Lakshmi*

1. Industrial Lecture: Carl Zeiss (OP-45)
2. Dr. Prasanna Santhekadur, JSS Academy of Higher Education and Research, Mysuru  
Withaferin A inhibits NF-kB via LXR- $\alpha$  in HCC Cells (OP-46)
3. Dr. Preethi Sara George, Regional Cancer Centre, Thiruvananthapuram  
Anthropometric factors, Body size and Breast cancer risk among women in Kerala (OP-47)
4. Professor Priya Ranjan, SRM University, Chennai  
AI enabled Cost Effective and Rapid Screening of Carcinoma Lesions from Cervix: Framework  
for Rapid and Large Scale Screening of Carcinoma Cervix at Community Level (OP-48)
5. Dr. Rama Krishna Kancha, CPMB, Osmania University, Hyderabad  
Co-evolution HSP90 inhibitor resistance in pre-clinical imatinib-resistance models of clonal  
evolution (OP-49)

**Annexure: VIII**  
**PLATFORM PRESENTATION – V**

**07/02/2020 – 09.30 to 11.10: LIGHTHOUSE HALL**  
**(10 minutes presentation + 2 minutes discussion)**

Chairpersons: *Dr. T.R Santhosh Kumar, Dr. Ruby John Anto*

1. Dr. Shalini Datta, Indian Statistical Institute, Kolkata  
Asporin overexpression triggers canonical TGF- $\beta$  pathway in gastric cancer and correlates with poor prognosis (OP-50)
2. Dr. Surajit Pathak, Chettinad Academy of Research and Education, Kelambakkam  
Biomarker Discovery and its use in diagnosis and therapy of colorectal cancer (OP-51)
3. Industrial Lecture: Imperial Life Sciences (OP-52)
4. Dr. Syed Musthapa Meeran, CSIR-Central Food Technological Research Institute, Mysore  
Cucurbitacin B inhibits lung tumorigenesis and stemness of human lung cancer cells through epigenetic modifications (OP-53)





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