

**International Conference on Radiation Research:
Impact on Human Health and Environment
(ICRR-HHE 2016)
and First Biennial Meeting of SRR
Feb 11-13, 2016**

SCIENTIFIC PROGRAM

Venue: Multi-Purpose Hall, BARC Training School Hostel
Anushakti Nagar, Mumbai 400 094

DAY 1, FEBRUARY 11, 2016, THURSDAY	
8:00-9:00	: REGISTRATION
9:00-10:45	: INAUGURATION A.R. GOPAL AYENGAR MEMORIAL ORATION LECTURE SESSION Chairperson: K.P. Mishra, Mumbai A NEW RADIATION BIOLOGY: EPIGENETICS, EXOSOMES AND METABOLISM Michael Atkinson, Institute of Radiation Biology, Germany (ABSTRACT ID 0194)
10:45-11:05	: HIGH TEA
11:05-13:20	: SCIENTIFIC SESSION I Radiation Oncology and Radiotherapy: Biology to Clinics Chairpersons: N. Ramamoorthy, Mumbai and Kattesh Katti, USA
11:05-11:40 (PL-1)	: RADIOGENOMICS IN THE CANCER CLINIC: IS IT READY FOR PRIME TIME? Rajiv Sarin, Tata Memorial Centre, Navi Mumbai (ABSTRACT ID 0231)
11:40-12:05 (IL-1)	: ENHANCING THE RESPONSE OF CERVICAL CANCER TREATED WITH RADIO(CHEMO)THERAPY R.P. Hill, University of Toronto, Canada (ABSTRACT ID 0030)
12:05-12:30 (IL-2)	: CRITICAL ROLE OF HYPOXIA-DRIVEN ADENOSINE ACCUMULATION IN THE ANTI-TUMOR IMMUNE RESPONSE ELICITED BY RADIOTHERAPY P. Vaupel, University Medical Center, Mainz, Germany (ABSTRACT ID 0040)
12:30-12:55 (IL-3)	: CERVICAL CANCER STEM CELLS AND CORRELATION WITH RADIATION RESPONSE IN LOCALLY ADVANCED CERVICAL CANCER Supriya Chopra, Tata Memorial Centre, Navi Mumbai (ABSTRACT ID 0229)
12:55-13:20 (IL-4)	: CELLULAR THERAPY WITHOUT CELLS: EXTRACELLULAR VESICLES PROMOTE ACTIVATION OF STEM CELLS AFTER IRRADIATION C. Lange, Center for Stem Cell Transplantation, Hamburg, Germany (ABSTRACT ID 0002)
13:20-14:00	: LUNCH
14:00-15:30	: POSTER SESSION I (Posters with odd no. of Abstract ID)
15:30-16:15	: SRR YOUNG SCIENTIST AWARD PRESENTATION SESSION
16:15-16:35	: TEA BREAK
16:35-18:15	: SCIENTIFIC SESSION II Radiation Protection and Radiation Countermeasure Approaches Chairpersons: A. K. Singh, Delhi and R. P. Hill, Canada

16:35-17:00 (IL-5)	:	DEVELOPMENT OF GAMMA-TOCOTRIENOLS AS RADIATION COUNTERMEASURE FOR ACUTE RADIATION SYNDROME <i>Vijay K. Singh, Armed Forces Radiobiology Research Institute, Bethesda, USA</i> (ABSTRACT ID 0001)
17:00-17:25 (IL-6)	:	GRAPE (<i>VITIS VINIFERA</i>) EXTRACTS PROTECT AGAINST RADIATION-INDUCED OXIDATIVE STRESS IN HUMAN ERYTHROCYTE (RBC) <i>Subir Kumar Das, WBUHS, Kalyani</i> (ABSTRACT ID 0034)
17:25-17:50 (IL-7)	:	COMBINATION OF BIOACTIVE COMPOUNDS: A SAFE PROPHYLACTIC REMEDY AGAINST VARIED TYPES OF RADIATION EXPOSURES <i>Manju Lata Gupta, Institute of Nuclear Medicine and Allied Sciences, Delhi</i> (ABSTRACT ID 0178)
17:50-18:15 (IL-8)	:	THE SUPREMACY OF PHYTOCHEMICALS IN RADIATION BIOLOGY REVISITED <i>Sanjit Dey, University of Calcutta, Kolkata</i> (ABSTRACT ID 0158)
19:30	:	DINNER
DAY 2, FEBRUARY 12, 2016, FRIDAY		
9:00-10:50	:	SCIENTIFIC SESSION III Nanomedicine Based Radiopharmaceuticals and Hyperthermia in Cancer Therapy Chairpersons: Ramesh Billimagga, Bangalore and Michael Atkinson, Germany
9:00-9:35 (PL-2)	:	RADIOACTIVE GOLD NANOPARTICLES WITH BETA ENERGY AND AUGER ELECTRON CASCADES IN NANOMEDICINE: GREEN NANOTECHNOLOGY AND RADIOCHEMICAL APPROACHES <i>Kattesh V. Katti, University of Missouri Medical School, USA</i> (ABSTRACT ID 0230)
9:35-10:00 (IL-9)	:	BIOLOGICAL MODELING OF THE RADIATION DOSE ESCALATION EFFECT OF CONCURRENT HYPERTHERMIA <i>J. Crezee, Academic Medical Center, The Netherlands</i> (ABSTRACT ID 0006)
10:00-10:25 (IL-10)	:	MECHANISMS OF HYPERTHERMIA INDUCED RADIATION SENSITIZATION FOR TREATMENT OF HPV POSITIVE TUMORS <i>Nicolaas Franken, University of Amsterdam, The Netherlands</i> (ABSTRACT ID 0004)
10:25-10:50 (IL-11)	:	THERANOSTIC RADIOPHARMACEUTICALS: A PATHWAY TOWARDS THE PERSONALIZED MEDICINE <i>Tapas Das, Bhabha Atomic Research Centre, Mumbai</i> (ABSTRACT ID 0214)
10:50-11:10	:	TEA BREAK
11:10-13:15	:	SCIENTIFIC SESSION IV Radiation Signaling, DNA Damage and Repair Chairpersons: P. Vaupel, Germany and Vijay Singh, USA
11:10-11:35 (IL-12)	:	SCR7, AN INHIBITOR OF NHEJ ABROGATES TUMOR PROGRESSION IN MICE AND CAN REDUCE THE EFFECTIVE DOSE OF RADIOTHERAPY <i>Sathees C. Raghavan, Indian Institute of Science, Bangalore</i> (ABSTRACT ID 0131)
11:35-12:00 (IL-13)	:	CELL CYCLE PHASE SPECIFIC CHROMATIN STRUCTURES DIFFERENTIALLY INFLUENCE DNA DAMAGE RESPONSE SIGNALING TO IONIZING RADIATION <i>Sanjay Gupta, Advanced Centre for Treatment Research and Education in Cancer, Navi Mumbai</i> (ABSTRACT ID 0216)
12:00-12:25 (IL-14)	:	A NON CLASSICAL BACTERIAL DNA DAMAGE RESPONSE IN RADIORESISTANT BACTERIUM <i>DEINOCOCCUS RADIODURANS</i> <i>H. S. Misra, Bhabha Atomic Research Centre, Mumbai</i> (ABSTRACT ID 0213)

12:25-12:50 (IL-15)	:	PREDICTION OF RADIOTHERAPY INDUCED NORMAL TISSUE ADVERSE REACTIONS: THE ROLE OF DSB REPAIR B. S. Satish Rao, <i>Manipal University, Manipal</i> (ABSTRACT ID 0035)
12:50-13:15 (IL-16)	:	TARGETTING HOMOLOGOUS RECOMBINATION PATHWAY RADIO-SENSITIZES WRN-HELICASE DEFICIENT CANCER CELLS B.S. Patro, <i>Bhabha Atomic Research Centre, Mumbai</i> (ABSTRACT ID 0217)
13:15-14:00	:	LUNCH BREAK
14:00-15:30	:	POSTER SESSION II (Posters with even no. of Abstract ID)
15:30-15:45	:	TEA BREAK
15:45-16:35	:	ORAL PRESENTATION SESSION I SRR GBM
16:35-18:25	:	SCIENTIFIC SESSION V Low Dose, Occupational Radiation Biology and Dosimetry Chairpersons: D. Dutta, Mumbai and J.K. Kim, S. Korea
16:35-17:00 (IL-17)	:	CONENXINS AS POTENTIAL TARGETS FOR MODULATING LOW DOSE RADIATION RESPONSES IN TUMOR VERSUS NORMAL CELLS Sudhir Chandna, <i>Institute of Nuclear Medicine and Allied Sciences, Delhi</i> (ABSTRACT ID 0184)
17:00-17:25 (IL-18)	:	BIODOSIMETRY TECHNIQUES FOR REGULATORY REQUIREMENTS AND RADIOLOGICAL EMERGENCIES Nagesh N. Bhat, <i>Bhabha Atomic Research Centre, Mumbai</i> (ABSTRACT ID 0221)
17:25-17:50 (IL-19)	:	ARE THE RISK AND BENEFITS OF MEDICAL RADIATION EXPOSURE UNDERESTIMATED? P. Venkatachalam, <i>Sri Ramachandra University, Chennai</i> (ABSTRACT ID 0066)
17:50-18:15 (IL-20)	:	EMERGING TRENDS IN ACTINIDE RADIOBIOLOGY: FROM MECHANISMS TO MITIGATION STRATEGIES Amit Kumar, <i>Bhabha Atomic Research Centre, Mumbai</i> (ABSTRACT ID 0205)
18:15-18:25	:	EMERGING RT-PCR TECHNIQUES R.A. Warke, <i>HiMedia</i>
19:30	:	BANQUET DINNER
DAY 3, FEBRUARY 13, 2016, SATURDAY		
9:00-10:50	:	SCIENTIFIC SESSION VI Charged Particles and Natural Products for Improvement of Cancer Radiotherapy Chairpersons: SK Shrivastava, Mumbai and T.B. Poduval, Mumbai
9:00-9:35 (PL-3)	:	TWENTY YEARS EXPERIENCE OF CARBON ION RADIOTEHRAPY AT NIRS-HIMAC Tadashi Kamada, <i>National Institute of Radiological Sciences, Chiba, Japan</i> (ABSTRACT ID 0020)
9:35-10:00 (IL-21)	:	CONTROL OF THE DOSE DISTRIBUTION IN CHARGED PARTICLE THERAPY V. Monaco, <i>University of Torino and Istituto Nazionale di Fisica Nucleare, Torino, Italy</i> (ABSTRACT ID 0124)
10:00-10:25 (IL-22)	:	A HERBAL COMPOSITION (HEMOHIM) AS A COMPLEMENTARY AGENT FOR CANCER RADIOTHERAPY AND CHEMOTHERAPY Sung-Kee Jo, <i>S. Korea Atomic Energy Research Institute, S. Korea</i> (ABSTRACT ID 0028)
10:25-10.50 (IL-23)	:	PERTURBATION OF CELLULAR REDOX STATUS USING PRO-OXIDANTS AS AN EFFECTIVE STRATEGY TO KILL LYMPHOMA CELLS AND MITIGATE IONIZING RADIATION INDUCED NORMAL TISSUE INJURY <i>IN VIVO</i> Deepak Sharma, <i>Bhabha Atomic Research Centre, Mumbai</i> (ABSTRACT ID 0222)

10:50-11:10	:	TEA BREAK
11:10-13:00	:	SCIENTIFIC SESSION VII Basic and Molecular Radiobiology in Cancer Radiotherapy Chairpersons: V. Kannan, Mumbai and SK Sachdeva, Navi Mumbai
11:10-11:35 (IL-24)	:	RADIATION INDUCED DRY EYE: PROBLEM AND POTENTIAL REMEDIES <i>Geeta K Vemuganti, School of Medical Sciences, Hyderabad</i> (ABSTRACT ID 0007)
11:35-12:00 (IL-25)	:	EMERGING PARADIGM IN RADIOBIOLOGY IN CONCEPT AND PRACTICES OF HYPO-FRACTIONATED CONFORMAL RADIOTHERAPY <i>S. P. Mishra, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow</i> (ABSTRACT ID 0051)
12:00-12:25 (IL-26)	:	MICRORNA SCREENING AS A FUNCTIONAL GENOMICS TOOL FOR PROSTATE CANCER: ROAD FROM DISCOVERY TO THERAPY <i>Binod Kumar, The Johns Hopkins University School of Medicine, Baltimore, USA</i> (ABSTRACT ID 0031)
12:25-12:50 (IL-27)	:	PROTEOMIC AND TRANSCRIPTOMIC PROFILING OF <i>IN VITRO</i> ESTABLISHED RADIATION RESISTANT ORAL CANCER CELLS FOR IDENTIFICATION OF RADIORESISTANCE RELATED BIOMARKERS <i>Tanuja Teni, Advaced Centre for Treatment Research and Education in Cancer, Navi Mumbai</i> (ABSTRACT ID 0215)
12:50-13:00	:	THE FUTURE OF MOLECULAR IMAGING <i>Asad Shahzada, Bruker/DSS Imagetech</i>
13:00-14:00	:	LUNCH BREAK
14:00-14:50	:	ORAL PRESENTATION SESSION II
14:50-15:10	:	TEA BREAK
15:10-16:50	:	SCIENTIFIC SESSION VIII Environemantal Radiation Biology and Effects of Radiation on Non-human Biota Chairpersons: S. Chandana, Delhi and S. P. Kale, Mumbai
15:10-15:35 (IL-28)	:	DIFFERENTIAL SENSITIVITY OF GAMMA RADIATION IN <i>CHIRONOMUS</i> AND HUMAN HAEMOGLOBIN <i>Bimalendu B. Nath, Savitribai Phule Pune University, Pune</i> (ABSTRACT ID 0153)
15:35-16:00 (IL-29)	:	FORMULATION FOR SIMULTANEOUS ACTION OF RADIATION AND ENVIRONMENTAL FACTOR <i>J.K. Kim, Korea Atomic Energy Research Institute, S. Korea</i> (ABSTRACT ID 0019)
16:00-16:25 (IL-30)	:	VARIOUS PERSPECTIVES OF USING RADIATION IN APPLIED ENTOMOLOGY <i>R. K. Seth, University of Delhi, Delhi</i> (ABSTRACT ID 0018)
16:25-16:50 (IL-31)	:	NATURAL PHENOLICS FOR THE PREVENTION OF ULTRAVIOLET-B RADIATION INDUCED CELLULAR AND MOLECULAR EVENTS <i>N. Rajendra Prasad, Annamalai University, Annamalainagar</i> (ABSTRACT ID 0026)
16:50-17:30	:	AWARD SESSION AND VALIDICTORY FUNCTION