



First International School on Radiation Research (ISRR-2017)

**Radiation Carcinogenesis :
Mechanism and Experimental Models**

February 2 - 4, 2017

Organized by


Department of Biochemistry and Biotechnology
Annamalai University, Annamalainagar, Tamilnadu, India.

E.mail: drprasadnr@gmail.com
www.annamalaiuniversity.ac.in

Under the aegis of

Society for Radiation Research (SRR)

Email: srr1415@yahoo.com
www.srrindia.org



The Department of Biochemistry and Biotechnology, Annamalai University & The Society for Radiation Research (SRR) jointly organize the first "International School on Radiation Research (ISRR-2017) on the theme "Radiation Carcinogenesis : Mechanism and Experimental Models" during February 2-4, 2017 at the Department of Biochemistry and Biotechnology, Annamalai University, India.

ABOUT THE HOST UNIVERSITY & THE DEPARTMENT

Annamalai University is a unitary, teaching, and residential university. The University has had the unique good fortune of having a succession of eminent Vice-Chancellors to guide its destinies. During the last eighty two years the University has grown rapidly and has consolidated its position as a unitary and residential University with forty-nine Departments of Study. The National Assessment and Accreditation Council has accredited Annamalai University at the 'A' Grade level among the Universities. Annamalainagar is already a busy and full-fledged University town, east of Chidambaram, the abode of Lord Nataraja. The University campus, including the colleges, hostels, and playgrounds, occupies an area of about thousand acres.

The Department of Biochemistry & Biotechnology was started some two decades before. The Department is concentrating on research in the fields of Biochemistry and Biotechnology, and offering programmes at PG, M.Phil., and Ph.D. levels. The Department has attained UGC-SAP and DST-FIST status. About 164 students were awarded Ph.D. degree from the Department. Nearly 1100 research articles were published in world class journals. The Department has received financial assistance to the tune of 276.73 lakhs of rupees from CSIR, DBT, DST, ICMR and UGC as research grant. The Department is concentrating on diabetes, atherosclerosis and cancer research.

Chidambaram city is located 245 km distance from Chennai. Chidambaram can be reached through East Coast Road or NH47 via Pondicherry and Cuddalore. Buses are available from CMBT Bus stand, Koyembedu, Chennai. It takes about 4-5 hrs drive.

ABOUT SOCIETY FOR RADIATION RESEARCH

The Society for Radiation Research (SRR) is a scientific body of radiation researchers and individuals/students having interest in the area of radiation research. The SRR has been registered in December, 2014 in Mumbai by a group of scientists and clinicians. Society for Radiation Research is aimed: (i) Promote research in the areas of radiation biology, clinical radiation biology, oncology, radiation hormesis and low dose radiation biology, environmental radiation biology, Nuclear medicine, radiation technologies, terrestrial and space radiation biology, and (h) any other relevant research areas. (ii) Facilitate integration of relevant radiation research areas. (iii) Promote the diffusion of knowledge in these areas through organizing meetings, conferences, workshops, awareness programs, scientific publications etc. (iv) Promote discussion, interactions amongst scientist-public industry and acting as liaison to communicate facts and research developments to public, government and regulatory bodies. (v) Integration of Society with other National and International Scientific Bodies. (vi) Encourage and promote young researchers and students to pursue research and build career in the areas of radiation research. (vii) Promote and facilitate education of radiation research in national Institutes and Universities. Journal of Radiation and Cancer Research (JRRCR) is an official publication of SRR, published by Wolters Kluwer Publishers, Mumbai (Journal web page: <http://www.journalrcr.org/>).

For further details about SRR, please visit WWW.SRRINDIA.ORG



ABOUT THE SCHOOL

SRR has taken initiative to organize International Schools with specific theme to educate the young researchers and students from around the world about the particular topic related to radiation research. It is hoped that these Schools will encourage, support and facilitate the young researchers (in India and abroad) to build their career in radiation research. In this series, the first International School of Radiation Research (ISRR-2017) on the theme "Radiation Carcinogenesis : Mechanisms and Experimental Models" will be organized during Feb 2-4, 2017 at Annamalai University, Annamalai Nagar, Tamilnadu, India.

Radiation carcinogenesis is an important area of radiation research, which addresses the processes of cancer incidence under various radiation exposure scenarios like environmental, occupational, medical, accidental and therapeutic. Moreover, radiation carcinogenesis integrates the knowledge gained in the field of cellular radiobiology with signaling networks and multi-cellular experimental models. In recent past, significant advancement has been made to understand the cellular and molecular basis of radiation-induced cancer incidence. Moreover, a range of *in vitro* and *in vivo* experimental models have been developed for better simulation of human radiation exposure conditions and the associated cancer risk. A better understanding of radiation carcinogenesis would assist in optimizing the safe and effective application of diagnostic and therapeutic radiation technologies. In addition, advancement in knowledge in this area would help to develop better strategies to prevent/minimize the cancer incidence in case of undesired radiation exposure.

The School is aimed to provide fundamental knowledge to young researchers and students about the mechanism of carcinogenesis, various aspects of radiation carcinogenesis and experimental models employed in the research area. ISRR-2017 includes lectures, evening/key note lectures by eminent scientists/researchers from India and abroad. Moreover, during the School, hands-on training/demonstration of techniques relevant to the area of radiation carcinogenesis will be provided by the experts. There will be informal interactive sessions for the participants with faculties. There will be not any paper or poster presentation by the participants. The language of School will be English.

The school will have limited participants (25 - 30).

MODE OF SELECTION OF THE PARTICIPANTS

Interested participants should submit a soft copy of duly filled and signed application form on or before September 15, 2016 by email (drprasadnr@gmail.com) to Dr. N. R. Prasad, Convenor, ISRR-2017 with a copy to srr1415@yahoo.com. The subject line of email should be: ISRR-2017 participation. Selection of participants will be based on relevance of their ongoing research activities and/or research interest. Preference will be given to young researchers and students working in this area. Selected participants will be intimated by September 30, 2016 to make payment of registration fee by October 17, 2016. Participation confirmation is subject to payment of registration fee. Based on the need, selected participants will be provided hostel/guest house accommodation at University campus.

TRAVEL SUPPORT TO INDIAN STUDENTS

A limited travel grant will be available for Indian students, who do not have travel support from their fellowship/Institution. Those participants should send their request in prescribed format available on www.annamalaiuniversity.ac.in or WWW.SRRINDIA.ORG. The travel support will be three tier AC train fare from his/her Institution by shortest route.

REGISTRATION

Registration Fee: Indian (students): INR 2000; Indian (faculty): INR 3000; Overseas: US \$100

Registration fee includes tea/coffee, lunch and dinner during the School. Registration fee does not include accommodation charges. The registration fee can be paid Demand Draft drawn in the name of "The Registrar, Annamalai University" payable at Annamalainagar. The registration fee may be paid online through the Registrar S/B account (Ac.No.621201156619; IFSC/RTGS code - ICIC0006212; MICR Code - 608229009). Outstation participants have to make their own arrangement for transportation. The details about how to reach Annamalai University has been provided on web page.

TOPICS COVERED

The school will cover lectures on following topics by eminent scientists and experts from India and abroad:

- Basic of Cancer and Carcinogenesis
- DNA damage and genomic instability in the mechanism of carcinogenesis
- Radiation biological concepts and radiation carcinogenesis
- UV induced carcinogenesis
- Experimental models for carcinogenesis studies
- Carcinogenesis during cancer radiotherapy and accidental radiation exposure

Additionally, during the school, hands-on-training/demonstration will be provided on techniques like DNA damage (γ H2AX foci, single strand breaks and cyclobutane pyrimidine dimers analysis), Apoptosis (TUNEL assay and cell cycle analysis), Oxidative damage (ROS measurement), Expression of oncogenes in tumor samples and histopathology of tumor samples.

ORGANIZING COMMITTEE

Prof. Dr. S. Manian, Vice-Chancellor, Annamalai University (**Patron**)

Dr. K. Arumugam, Registrar, Annamalai University (**Vice-Patron**)

Dr. S. Barathan, Professor & Dean, Faculty of Science, Annamalai University (**President**)

Dr. C.V. Anuradha, Professor & Head, Dept. of Biochem. & Biotech., Annamalai University (**Chair Person**)

Dr. N. Rajendra Prasad, Dept. of Biochem. & Biotech., Annamalai University (**Convener**)

Dr. K. Suresh, Dept. of Biochem. & Biotech., Annamalai University (**Organizing Secretary**)

Dr. K. P. Mishra, Ex-Vice-Chancellor, NGBU, Allahabad and Ex-Head, RB&HSD, Mumbai

Dr. Nagraj Huilgol, Nanavati Hospital, Mumbai

Dr. B. N. Pandey, Bhabha Atomic Research Centre, Mumbai

Dr. Rajiv Sarin, ACTREC, Navi Mumbai

Dr. Rita Mukhopadhaya, Bhabha Atomic Research Centre, Mumbai

Dr. Satees C. Raghvan, IISc, Bangalore

Dr. Shyam Shrivastava, Tata Memorial Hospital, Mumbai

Dr. Venkatachalam Perumal, Sri Ramachandra University, Chennai

TENTATIVE PROGRAM OUTLINE

Day/date and time	Session	Venue
<u>Thursday, February 2, 2017</u> 17:00-20:00 hrs	Registration, Inauguration, Key note lecture, dinner	Tech Park, Innovation Centre, Annamalai University
<u>Friday, February 3, 2017</u> 09:00-12:00 hrs	Lecture Session	Conference Hall, Dept. Biochem. & Biotech.
12:00-13:00 hrs	Practical Session	
13:00-14:00 hrs	Lunch	
14:00-18:00 hrs	Practical Session	
19:00-20:00 hrs	Evening Lecture	
<u>Saturday, February 4, 2017</u> 09:00-12:00 hrs	Lecture Session	Conference Hall, Dept. Biochem. & Biotech.
12:00-13:00 hrs	Practical Session	
13:00-14:00 hrs	Lunch	
14:00-17:00 hrs	Practical Session	
17:00-17:30 hrs	Valedictory Function	Conference Hall, Dept. Biochem. & Biotech.

FACULTIES (TENTATIVE)

Dr. Anna Giovaneti, ENEA, Rome, Italy

Dr. Dindial Ramotar*, University of Montreal, Canada

Dr. Girish Maru, Advanced Centre for Training, Education and Research on Cancer, Navi Mumbai

Dr. Loganatha Valluri*, Dravidian University, India

Dr. Michael Rosemann, Institute of Radiation Biology, Germany

Dr. C.K. Panda, Chittaranjan National Cancer Institute, Kolkata

Dr. B. N. Pandey*, Bhabha Atomic Research Centre, Mumbai

Dr. N. Rajendra Prasad*, Annamalai University, Annamalai Nagar

Dr. Sathees C. Rahavan*, Indian Institute of Science, Bangalore

Dr. Y. Shimada, NIRS, Chiba, Japan

Dr. K. Suresh*, Annamalai University, Annamalai Nagar

Dr. C.H. Stokkevåg, Haukeland University Hospital, Bergen, Norway

Dr. R.H. Schiestl, University of California, Los Angeles, USA

Dr. K.N. Yu, University of Hong Kong, Hong Kong

* confirmed

First International School on Radiation Research (ISRR-2017)

Theme: Radiation Carcinogenesis : Mechanism and Experimental Models

February 2-4, 2017

Department of Biochemistry and Biotechnology
Annamalai University, Annamalainagar, Tamilnadu, India
under the aegis of Society for Radiation Research (SRR)

TITLE:	<input type="checkbox"/> Mr <input type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/> Dr <input type="checkbox"/> Prof. <input type="checkbox"/> Other, specify:		
FIRST NAME		MIDDLE NAME	
LAST NAME		GENDER	Male/Female
Category of participant	STUDENT/FACULTY	DATE OF BIRTH (DD/MM/YYYY)	
MOBILE		ALTERNATE CONTACT NO.	
COMPLETE POSTAL ADDRESS (with Pin/Zip code)			
EMAIL		NATIONALITY	
AFFILIATION (Name and Address of Department, University/Institute)			
FIELD OF RESEARCH /Title of Ph.D. Thesis			
Name and affiliation of Ph.D. Guide/Mentor (for students)			
Advantage and justification for attending ISRR-2017 (within 150 words)			

DATE

SIGNATURE

Guidelines:

1. All participants are required to submit this registration form. Duly filled and signed in registration form should be sent (as soft copy) to Dr. N. Rajendra Prasad, Convener, ISRR-2017 (drprasadnr@gmail.com) and copy to srr1415@yahoo.com on or before September 15, 2016. No hard copy is required. Participants should also attach a brief CV mentioned with list of 5 most relevant publications. In subject line of email mention: Registration for ISRR-2017.
2. Incomplete and late applications will not be considered.
3. For details for process of selection of participants and payment of registration fee, refer the brochure of the School.

FIRST INTERNATIONAL SCHOOL ON RADIATION RESEARCH (ISRR-2017)

THEME: RADIATION CARCINOGENESIS: MECHANISMS AND EXPERIMENTAL MODELS

February 2 - 4, 2017

**Venue: Department of Biochemistry and Biotechnology
Annamalai University, Annamalai Nagar, Tamilnadu, India**

APPLICATION FOR STUDENT TRAVEL AWARD (FOR INDIAN STUDENTS ONLY)

1. Name :
2. Date of birth :
3. Gender :
4. Present position
(JRF/SRF/RA/PDF/any other) :
5. Department/Institution with
full address :
6. Email and contact no. of candidate:
7. Topic of Ph.D. Thesis/Project :
8. Name and details of research
Guide/Supervisor :
9. Approx. return fare (train 3AC)
by shortest route to Mumbai :

I wish to apply for Student Travel grant since I do not have fund/fellowship for travel towards participation in ISRR-2017.

Date

Signature of the candidate

CERTIFICATE

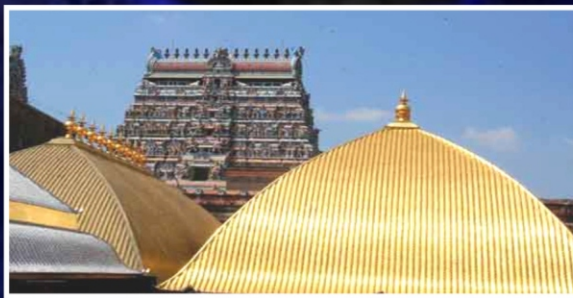
It is to certify that Ms/Mr/Dr.....is
working in my Laboratory/Department/Institution and he/she do not have travel fund from
fellowship/Institution towards her participation in ISRR-2017.

Date

**Signature and official seal / stamp of the Guide /
Supervisor / Head of Department / Institute**

Note: Applicants should send a soft copy of duly filled in and signed application form by Sept. 15, 2016 through email drprasadr@gmail.com and an email copy to srr1415@yahoo.com with subject line 'Student Travel Award Application'. Late and incomplete applications will not be considered. A copy of ticket/receipt should be submitted for reimbursement.

Annamalai University



Thillai Lord Nataraja Temple, Chidambaram



Pichavaram Mangrove Forest Located Near Chidambaram

Contact Persons

Dr. N. Rajendra Prasad

Convenor, ISRR - 2017
E-mail : drprasadnr@gmail.com
Contact No. : +91 9842305384

Dr. K. Suresh

Organizing Secretary, ISRR - 2017
E-mail : suraj_cks@yahoo.co.in
Contact No. : +91 9345520058

Dr. B.N. Pandey

Secretary, SRR, Email: srr1415@yahoo.com