

ADVANCES IN RADIATION BIOLOGY

Overview

Radiation biology aims to provide a platform for biological research and its translation into clinical radiation oncology. Basic principles are used in radiation therapy with the objective to treat cancer with minimal damage to the normal tissues. This includes innovative studies on the cellular responses towards ionizing irradiation and their underlying mechanisms, technical approaches, identification of biomarkers, and experimental therapeutic approaches. Radiation dose to each site depends on a number of factors: the type of cancer and whether there are tissues and organs nearby that may be damaged by radiation. Radiation therapy may be used to treat almost every type of solid tumor, including cancers of the brain, breast, cervix, larynx, lung, pancreas, prostate, skin, spine, stomach, uterus, or soft tissue sarcomas. It can also be used to treat leukemia and lymphoma (cancers of the blood-forming cells and lymphatic system, respectively).

Course participants will learn these topics through lectures and tutorials.

Modules	Duration : October 14 th - 18 th , 2019 Venue : Raman Auditorium, A.C Tech Campus, Anna University, Chennai. *(Number of participants for the course will be limited to 50)
You Should Attend If...	<ul style="list-style-type: none">• You are an engineer or scientist from Biological Sciences engaged in stem cell and tissue engineering research.• You are a student (B.Tech/M.Tech/Ph.D/Post-Doctoral Fellows) or faculty from academic institution engaged in or interested in Redox biology.
Fees	The participation fees for taking the course is as follows: Academic Institutions Students - Rs. 1000/- Academic Institutions Staff - Rs. 2000/- Industry/ Research Organizations - Rs. 3000/- Participants from abroad - US \$500 The above fee includes all course material. The participants will be provided with accommodation on payment basis.

About Faculty



Meetha M. Medhora, Ph.D., is a Professor, Radiation Oncology, Pulmonary Medicine and Physiology Medical College of Wisconsin, Milwaukee, United States. Her research interests include Mitigation of radiation injury to the lungs, vasoreactive and antiapoptotic actions of epoxyeicosatrienoic acids (EETs) and 20-hydroxyeicosatetraenoic acid (20-HETE), products of the essential fatty acid, arachidonic acid. She has more than 90 research articles in International peer-reviewed journals in the field of radiation biology.

About Course Coordinator



Dr. C. D. Anuradha, M.Phil., Ph.D., is a Professor, Centre for Biotechnology, Anna University, Chennai. She has more than 25 years of research experience in the field of Stem cell technology, Cancer therapeutics and Cardiovascular therapy. She has more than 50 research articles in International peer-reviewed journals like JBC, PLOS and American Journal of Physiology and also has several ongoing research projects. She collaborates with various labs in the UK and USA and has a great passion for research in cell signalling mechanism.



Course Coordinator

Dr. C.D. Anuradha
Professor
Centre for Biotechnology
Anna University
Chennai - 600025
Contact Details
Phone: **044-22350772**
E-mail: anu@annauniv.edu

.....
<https://www.annauniv.edu/gian/course.html>



Global Initiative of Academics Networks (GIAN)
176020H02: ADVANCES IN RADIATION BIOLOGY
14th - 18th OCTOBER 2019
Anna University, Guindy, Chennai-600 025



MHRD | Government of India
Ministry of Human Resource
Development

REGISTRATION FORM

Name (Block Letters)

Age and Date of Birth

Gender Male Female Transgender

Educational qualification

Designation

Experience

Institution

Address

Mobile

E-mail

GIAN Application ID

(Application Id Generated during One time registration at GIAN portal of IIT Kharagpur)

- Course Fee: Academic Institutions: Students - Rs.1000/-
 Academic Institutions: Staffs - Rs. 2000/-
 Industry/Research Organizations - Rs.3000/-
 Participants from abroad - US \$500/-

Payment should be made through:

Demand Draft in favor of "The Director CTDT, Anna University" payable at Chennai.

DD no: Date:

Amount: Bank:

Date:

Signature of Candidate

APPROVAL FROM INSTITUTION

Date:

Seal & Signature of the Principal/
Head of the Department/Division

***Send the registration form and Demand Draft through post to the course coordinator: Dr.C.D.ANURADHA, Professor, Centre for Biotechnology, Anna University, Chennai - 600025.**

Please visit www.gian.iitkgp.ac.in and www.annauniv.edu/gian/ for more details.