

RESPONSIBLE CONDUCT OF RESEARCH – AN OVERVIEW OF ETHICAL PRINCIPLES FOR SCIENTIFIC RESEARCHERS

MAHATMA GANDHI UNIVERSITY, KOTTAYAM-686560, KERALA, INDIA

Course in online(August 8-13, 2023)

Overview

Responsible conduct of research (RCR) is defined as "the practice of scientific investigation with integrity". It involves the awareness and application of established professional norms and ethical principles in the performance of all activities related to scientific research. Ethical and responsible conduct of research is critical for excellence, as well as a public trust, in science and engineering. Consequently, education in the responsible and ethical conduct of research is considered essential in the preparation of future scientists and engineers. Funding agencies and research institutions are increasingly proactive in ensuring that researchers and graduate students in research disciplines learn about the ethics related to their work. This course will provide an overview of all the major components of responsible conduct of research. Through lectures and case studies, current major ethical issues in the biomedical sciences will be discussed. Students will learn the skills of ethical analysis essential to making moral choices and have the opportunity for critical reflection on one's personal values and obligations as a scientist.

Objectives

- Explore the ethical analysis essential for making moral choices in science.
- Identify the substantive ethical assumptions underlying scientific decisions.
- Raise sensitivities to ethical issues in the workplace.
- Enhance critical reflection on one's personal values and obligations as a scientist and mentor.
- Understand the impact of integrity in research on science and the public
- Describe the elements of responsible conduct of research.
- Understand ethical foundations in Scientific Research.

" In addition, this course will also help stakeholders to develop skills for scientific communication, independent research, team building, and collaboration. The course will also provide exposure and guidance for grant submission to funding agencies. "

Faculties

Dr. Maya Nair



This course will be led by Dr. Maya Nair, Director, Biological Division, Environmental Health, and Safety, at the University of North Texas Health Science Center, USA. She is an experienced researcher, academician, and trainer. Her research is focused on developing a nanoparticle-based targeted drug delivery system for cancer chemotherapy. She is a Registered Biosafety Professional with American Biological Safety Association and has immense experience in developing and conducting research compliance training courses at National and International conferences. She was awarded NIH PDRT training program and also served as coordinator for various NIH training programs at UNTHSC. Dr. Nair is a major contributor for Laboratory Readiness course

Prof. Nandakumar Kalarikkal



Prof. (Dr.) Nandakumar Kalarikkal, Senior Professor of Mahatma Gandhi University, Kottayam, Kerala, India. Being a Professor of School of Pure and Applied Physics (SPAP), he is also the Principal Investigator of many National and International projects including UGC-DAE, DST-Nano Mission, SPARC, DST-SERB-CRG, CEFIPRA schemes etc. Prof. Kalarikkal has been honoured by prestigious titles including, Professor@Lorraine, Fulbright Nehru Scholarship award (2020-2021), CNRS Professor etc. He is also an active member of professional bodies, including the Indian Physics Association- Life Membership and Plasma Science Society of India-Life Membership.

Who can attend?

Researchers from any field, materials science researchers, professionals and government organizations, including R&D laboratories and regulatory agencies

Students at all levels (B.Sc/B.Tech/ M. Sc/M. Tech/Ph.D) or Faculties from reputed academic institutions and technical institutions

Course Content:

- Scientific Integrity
- Data Acquisition and Management
- Publication, Authorship and
- Peer Review
- Mentor/Trainee Relationship
- Collaborative Research
- Conflicts of Interest & Commitment
- Research involving both human & animal subjects
- Institutional Biosafety

Course Details

Tentative Duration: Six days

Mode: Online

Lectures – 15 hrs

Workshops/case study – 4 hrs

Team-Based Learning Activity- 1

Total – 20 hrs

How to Register?

Step 1

Web Portal Registration:

Visit <http://www.iitkgp.ac.in/GREGN/index> and create a login User ID and Password. Fillup the blank registration form and do web registration by paying Rs. 500/- online through Net Banking/Debit/Credit card as per instructions given therein. This provides the user with lifetime registration to enroll in any number of GIAN courses offered.

Step 2

Course Registration:

Login to the GIAN portal again with the user ID and Password already created in Step 1. Click on the Course Registration option at the top of the Registration form. Select the Course titled "Responsible Conduct of Research - An Overview of Ethical Principles for Scientific Researchers" from the list and click on the save option. Confirm your registration by clicking on Confirm Course.

Step 3

Filling up the Google form:

Please fill out the institute registration form.

Registration Link:
Scan the barcode



Important: It is mandatory to register through the GIAN website for issuing the participation certificate.

For any queries, please contact

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