



1 credit hour Ph.D. Course (Hybrid) on Biologics (Cancer Genetics)

By:

Prof. Dr. Raffat Siddiqui

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Jointly organized by

OIC Standing Committee on Scientific and Technological Cooperation (COMSTech)

International Center for Chemical and Biological Sciences (ICCBS)

and

Sindh Innovation, Research, and Education Network (SIREN)

INTRODUCTION:

OIC Standing Committee on Scientific and Technological Cooperation (COMSTech), and Sindh Innovation, Research, and Education Network (SIREN) are jointly organizing **1 Credit hour course for Ph.D. students** entitled, “**Biologics (Cancer Genetics)**” coordinated by the L.E.J. National Science Information Center, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi.

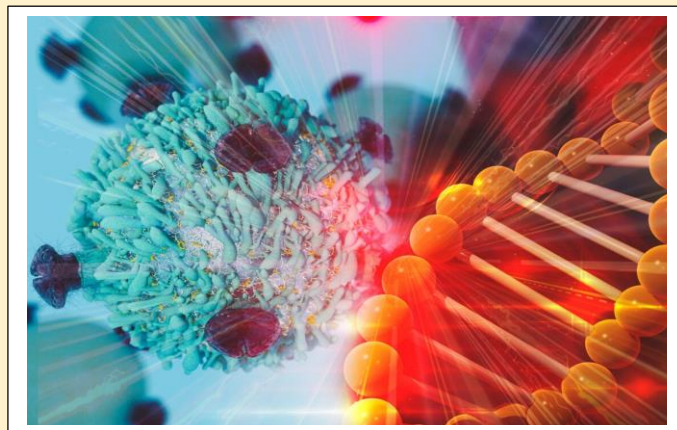
COURSE DESCRIPTION:

This is 1 credit hour course for Ph.D. students that will include detailed learning about cancer, its genetics, epigenetics, and also the role of diet in cancer.

LEARNING OBJECTIVES:

By successfully completing this course, students will be able to:

- Students will be able to understand the molecular mechanism of cancer.
- The role of genetics and epigenetics in cancer progression.
- They will be able to understand the role of diet in cancer.



WHO SHOULD ATTEND?

This Course targets the full spectrum of scientists, research scholars, and faculty from different fields such as Life science, Biotechnologist, Biochemist, microbiologist, Physiologist, Geneticist, and Cancer Biologist.

INSTRUCTOR'S PROFILE:

Prof. Dr. Rafat Ali Siddiqui is currently working as a tenured-Professor and Director of the Nutrition Science and Food Chemistry Laboratory at Virginia State University, Petersburg, Virginia, United States. Dr. Siddiqui earned his BSc and MSc degrees in Biochemistry from the University of Karachi in Karachi, Pakistan.

At present, Dr. Siddiqui's research interests are in the area of cancer, inflammation, and cardiovascular diseases. His research emphasis is on the synergistic modulation of chronic diseases by a combination of nutrients and drugs. He has been invited as a keynote speaker at several national and international conferences.

PROGRAM SCHEDULE: September 20, 21, 26, 27, 28, & 29, 2022

DAY AND TIME: Tuesday, Wednesday, Monday, Tuesday, Wednesday, and Thursday (9:30 – 12:30 Hrs.)

REGISTRATION DEADLINE: 18th September 2022 (Free)

FOR REGISTRATION USE THE GIVEN LINK: <https://bit.ly/3CANCERGENETICS>

VENUE: Lecture Hall A, Latif Ebrahim Jamal National Science Information Center (LEJNSIC), International Center for Chemical and Biological Sciences (ICCBS), University of Karachi-75270, Pakistan.

CERTIFICATES: Registered participants will receive a digital certificate after the successful completion of the course.

For more information: siren.lej@gmail.com; Call : 021-111-222-292 Ext: 267, 275.

Room No. 202, 2nd floor, L.E.J. National Science Information Center, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, Karachi-75270.

Course Schedule with Description: 1 Credit hour course for Ph.D. students

Days: Monday to Friday

Lecture Time: 3 hours (9.30 am to 12.30 am)

Lec. #	Date	Topic	PowerPoint presentations & In-class Activity
1	Sep 20, 2022 Tuesday	Fundamentals of cancer	Interactive session
2	Sep 21, 2022 Wednesday	Oncogenes, Antioncogenes	Interactive session
3	Sep 26, 2022 Monday	Epigenetics	Interactive session
4	Sep 27, 2022 Tuesday	miRNA and cancer gene regulation	Interactive session
5	Sep 28, 2022 Wednesday	Diet and Cancer	Interactive session
6	Sep 29, 2022 Thursday	Exam (Format will be explained in the class)	