GURU NANAK DEV UNIVERSITY AMRITSAR

(DEPARTMENT OF BIOTECHNOLOGY)

organizes

FULBRIGHT SPECIALIST PROGRAM

Emerging Concepts and Experimental Approaches in Biomedical Research

29th November -12th December, 2017

Sponsored by : **United States-India Educational Foundation (USIEF)**

The Faculty :

Dr. Amrita Cheema
Professor
Department of Oncology and Biochemistry
Georgetown University Medical Center
Washington DC, USA.

Research Interest: Development of Cancer Biomarkers

Brief Profile: Dr. Amrita Cheema is a professor of Oncology and Biochemistry at Georgetown University Medical Center. She also co-directs the Waters Center of Innovation in Metabolomics at GUMC. Her extramurally funded research program by NSBRI, DoD and NIH is focused on delineating small molecule biomarkers for early detection of pancreatic cancer as that biomarkers that are predictive of exposure to ionizing radiation as well for adverse outcomes of radiotherapy. Her laboratory has also developed several tools and workflows for furthering metabolomics based molecular phenotyping for clinical and translational research. She has filed five patents in the area of biomarker and several publications in reputed international journals.

Course Coordinator :

Dr. Pratap Kumar Pati
Professor
Department of Biotechnology
Guru Nanak Dev University
Amritsar (Punjab).

Research Interest: Medicinal Plant Biotechnology

Brief Profile : Dr. P.K. Pati is a professor and former Head of the Department of Biotechnology, Guru Nanak Dev University, Amritsar. He works in the field of Plant Biotechnology with major focus on medicinal plant biotechnology. He has handle several research grants from Diffrent funding agencies like CSIR, DBT, UGC and DRDO. He is receipent of various prestigious awards inlcuding "BOYSCAST Fellowship" from Department of Science and Technology (DST), Govt. of India and "Fulbright-Nehru Senior Research Fellow" from foreign Fulbright Scholarship Board (FSB), Washington D.C. (USA). He has also been conferred "INSA Teachers Award" from Indian National Academy of Sciences, New Delhi which was instituted to value Consitant and high level of teaching educational institutions. He is a member of various national committees constituted by Govt. of India to promote teaching and research. He has three patents and several publications in reputed national and inter-national journals.

Course content

29.11.2017: Importance of Metabolomics technologies for Clinical and Translational Research

30.11.2017: 1. Metabolomics Study Design and Analysis Pipeline.
2. Mass spectrometry based Data Acquisition/Data Analysis.

04.12.2017: Applications of Metabolomics in radiation/cancer research.

05.12.2017: Translating Laboratory Discoveries into Clinical Practice.

06.12.2017: Journey from graduate school to a successful academic career-what do you need?

07.12.2017: How to write high impact papers-Collaboration is the key to success.

11.12.2017: Applying for positions abroad-Avenues and Opportunities.

Who Should attend

* Student at all levels (B.Sc / M.Sc / M.Tech / Ph.D) of Biotechnology, Biochemistry and molecular biology, Botany, Microbiology, Human genetics, Zoology, Pharmaceutical Sciences, Chemistry and any other disciplines of Life Sciences.
* Faculty members, Researchers / Post-doc / Research Associates from various departments.

GNDU Website : www.gndu.ac.in

More details contact :
Phone :0183-2258802-09 Ext. 3177
Mobile: 9915091910 Email: pkpati@yahoo.com

Last date to submit the complete application form is 22nd November, 2017