

### Statement of Research Achievements

My research interest revolves around understanding the complexities associated with cancer pathobiology and discovery of novel treatment options with clinical relevance and promising translational impact. I am honored to claim that as a first, I have created a strong IITK-Clinical Oncologists research cluster over these years, having fostered successful collaborations with clinicians from several medical institutions (GSVM Kanpur, JK Cancer Kanpur, KGMU Lucknow, AIIMS New Delhi and Tata Memorial Hospital, Mumbai and Kolkata) as well as with collaborators overseas (Henry Ford Hospital, Detroit; Dana-Farber Cancer Institute, Boston; Weill Cornell Medicine, New York; University of Washington, Seattle; Vancouver Prostate Centre, British Columbia, Canada; University of Surrey, UK and University of Turku, Finland), enabled me to spearhead a highly translational biomedical-clinical research.

Our overarching goal is to study the genetic and epigenetic changes that initiate cancer and its progression by employing novel strategies and approaches. Our goal is to investigate the molecular events that drive cancer progression, metastases and resistance to chemotherapeutic drugs, so that understanding mechanistic details of these intricate biological processes could lead to the development of more effective cancer therapies that target the specific causative pathways or alterations. Recognizing my scientific contributions in the cancer field as an independent faculty at IIT Kanpur, I was recognized by the **Outstanding Young Faculty PK Kelkar Research Fellowship** in 2017, followed by the **CNR Rao Faculty Award** for the Excellence in Research in 2018 by the IIT Kanpur. I have also been a recipient of the highly competitive and prestigious **Intermediate Fellowship Award** (2013 – 2019) and **Senior Fellowship Award** (2020 – 2025) from the Wellcome Trust/ DBT India Alliance.

Considering my seminal contributions in the field of cancer and its impact on potential cancer therapies, I have been selected for the highest Indian Science Award, the **Shanti Swaroop Bhatnagar prize in Medical Sciences** (2020) conferred by the Council of Scientific and Industrial Research (CSIR), the apex agency of the Government of India for scientific research. Besides, I am also a recipient of several other prestigious national awards, such as **S. Ramachandran-National Bioscience Award for Career Development** (2020-21) by the Department of Biotechnology (DBT), **CSIR-Central Drug Research Institute Award** (2020) for the excellence in Drug Research, **ICMR-Basanti Devi Amir Chand Prize in Biomedical Sciences** (2019) by the Indian Council of Medical Research (ICMR), Government of India, and **Sayeeda Begum Women Scientist Prize** (2019) for Excellence in Research conferred by Jamia Hamdard.

During my postdoctoral training in Dr. Arul Chinnaiyan's laboratory at University of Michigan, my contribution on AGTR1 positive breast cancer project was recognized by the **Young Investigator Award from the Expedition Inspiration Fund for Breast Cancer Research**, Sun Valley. Considering my overall contributions in the precision medicine and advancement of drug discovery in cancer, I was bestowed with the highly competitive **Genentech Postdoctoral Award** from the Genentech Foundation, San Francisco, and prestigious **Women in Cancer Research Scholar Award (2011)** by the American Association for Cancer Research, USA.

### Important Citations of the Awards



**Ministry of Education**  
Government of India



#### **Shanti Swarup Bhatnagar Prize 2020 for Science & Technology**

Dr Bushra Ateeq  
IIT Kanpur

Field

Medical Sciences



**Dr. Bushra Ateeq,**  
*Associate Professor*

Indian Institute of Technology  
Kanpur



DEPARTMENT OF BIOTECHNOLOGY  
Ministry of Science and Technology  
Government of India

#### **DR BUSHRA ATEEQ**

has been awarded the **S. Ramachandran-National Bioscience Award for Career Development 2020-21** for her research contributions towards "Molecular characterization of Indian prostate cancer, development of effective therapeutic interventions and strategies to overcome drug resistance in cancer".



## ICMR-Basanti Devi Amir Chand Prize, 2019

### CERTIFICATE

This is to certify that

**Dr. Bushra Ateeq**, Associate Professor, Department of Biological Science & Bioengineering,  
Indian Institute of Technology, Kanpur has been awarded **ICMR-Basanti Devi Amir Chand Prize** for her  
research work in the field of **Biomedical Sciences** for the Year 2019

*Balram Bhargava*

Prof. (Dr.) Balram Bhargava  
Secretary, Department of Health Research  
MoH&FW, Government of India & Director-General, ICMR, New Delhi



सी.एस.आई.आर.-केन्द्रीय औषधि अनुसंधान संस्थान, लखनऊ  
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)  
सेक्टर 10, जानकीपुरम विस्तार, सीतापुर रोड, लखनऊ - 226 031 (भारत)  
**CSIR - Central Drug Research Institute**  
(Council of Scientific & Industrial Research)  
Sector 10, Janakipuram Extension, Sitapur Road, Lucknow - 226 031 (India)



17-02-2020

## CDRI AWARDS- 2020 for Excellence in Drug Research

### Announcement

The prestigious CDRI Awards 2020 for Excellence in Drug Research in **Life Sciences** category has been awarded jointly to **Dr. Bushra Ateeq**, IIT, Kanpur & **Dr. Ravi Manjithaya**, JNCASR.

In the **Chemical Sciences** category, the award has gone jointly to **Dr. Surajit Ghosh**, IIT, Jodhpur.

Our heartiest congratulations to both the awardees!

The Award Oration and Felicitation Ceremony will be held on 26 September 2020 during CSIR Foundation Day Celebrations.

