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Master of Science (Biotechnology) from Indian Institute of Technology, Roorkee (IITR)
PhD from Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, INDIA

**Research Interests**

Biomarker discovery: Diagnostic and prognostic impact in bladder cancer patients.

**Research Summary**

Current research aims to examine intricate web of regulatory signaling pathways that regulate EMT to identify novel early biomarkers for better clinical management of bladder cancer patients.

**Research Experience**

a. DST BOYSCAST Fellow in the Department of Pharmacology and Therapeutics, Roswell Park Cancer Institute, Buffalo, NY-14263, USA

Area of Research

Characterization of breast cancer cells for cell signaling pathways to study the functional interaction of p53 with estrogen receptor.

b. DBT-Postdoctoral Fellow at International Centre for Genetic Engineering and Biotechnology, New Delhi, India

Area of Research

Cloning, expression & purification of recombinant MSP-9 protein of *Plasmodium yoelii* for immunological & challenge studies.

**Scientific Contributions**

EMT associated molecules have been examined as strong predictors of short survival outcome in a cohort of bladder cancer patients. Biomarker information may help us to accurately predict tumor behavior and thus greatly facilitate the objective of personalized medicine for better clinical management of patients.