

Innovation in Breast Cancer

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Rakesh Kumar

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Prof. Rakesh Kumar is a molecular cancer biologist with a particular focus in revealing new facets of growth factor and estrogen signaling in the development and progression of breast cancer. Prof. Kumar has over thirty-five years of cancer research experience as a faculty member at Memorial Sloan-Kettering Cancer Center, Penn State University Medical Center, MD Anderson Cancer Center, George Washington University, and Rajiv Gandhi Center for Biotechnology before joining in his current position in 2022. Prof. Kumar has as a department deputy chair and chair, held institutional research leadership positions, occupied endowed distinguished professorship chair positions in universities as well as the Govt of India's national chair in cancer research. Prof. Kumar's laboratory has made several conceptual advances in the areas of action of estrogen receptor, EGFR and HER2 signaling, and chromatin remodeling in cancer cells. These studies led to over 325 research articles, invited reviews and book chapters, and eight books or volumes in cancer biology and therapeutics. Prof. Kumar's research is widely cited by the scientific community and puts him in the top 0.3% of scientists in oncology and carcinogenesis globally (h-index 102, citations: >38,000). Prof. Kumar has been serving on editorial boards of mainstream cancer research journals as well as numerous extramural peer-review panels. Prof. Kumar has trained 67 students, fellows, and physician-scientists, and delivered over 277 invited lectures globally. More recently, Kumar and colleagues have organized a Global Consortium for Breast Cancer in Young Women (<https://srhu.edu.in/gbcycw>) with emphasis on translational breast cancer research, academic and training programs, and promoting awareness among the targeted age group of women.