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Citation for the Research Work

“Deciphering New Mechanisms of the Genesis of Autoimmune Diseases and Cancer”

Dr. Santosh Chauhan has made an outstanding contribution to understanding the genesis of autoimmune diseases and cancer. His studies elucidated the mechanisms by which autophagy controls inflammation and protects us from autoimmune diseases. In addition, his work identified IRGM as a target for broad host-based antiviral response including against SARS-CoV2, ZIKV, and CHIKV virus. In addition, his research work also identified two new targets for cancer therapy. First, he revealed that combinatorial targeting of autophagy and NRF2 could be a new anti-cancer therapy. Also, he identified an RNA-binding E3 ubiquitin ligase named DZIP3 as a novel oncogene and new target for cancer therapy. Taken together, his work has generated new knowledge that could be harnessed to develop new therapeutic formulations to prevent inflammatory diseases and cancer.

Dr. Chauhan's research work is published in highly reputed international journals like Molecular Cell, EMBO J, and Cancer Research with more than 10000 total citations. His five research works have made the cover story of journals including EMBO J, Cancer Research, and EMBO reports. Dr. Chauhan is an elected member of the National Academy of Sciences and the Indian Academy of Sciences and has been awarded National Bioscience Award from Govt. of India. Dr. Chauhan is a global investigator fellow of EMBO and is an associate faculty of the F1000 (faculty of 1000), two of the top international research societies.


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