

Talk on deciphering the role of natural compounds as potent Jab1 inhibitor (crucial Oncogene) in cancer management

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Abstract:

Phytochemicals have proven a potent anti-proliferative and apoptosis inducing agent against several carcinomas including breast and prostate cancers. Jab1 has been reported to be involved in the progression of numerous carcinomas. However, antiproliferative effects of sterols against Jab1 in numerous cancers have not been explored yet. Hence, in this talk, I would like to provide a detailed insights about the recent advancements that have been done in this field. Our lab has elucidated the mechanism of action of several phytochemicals against Jab1 in gall bladder cancer and cervical cancer including apoptosis induction mediated via downregulation of Jab1 protein in human gall bladder cancer and cervical cancer cells. Several in vitro and in silico methods have been employed to exploit the medicinal potential of phytochemicals for better management of human cancer. Therefore, these findings would help our

future researcher to understand the implication of Jab1 in the progression of several cancers and thereby provide them a better way to utilize natural phytochemical inhibiting Jab1 and further to be considered as an anticancerous therapeutic agent against Jab1 in human cancers. Further research is still needed to explore the pharmacokinetic properties of screened phytochemicals to develop it as a better chemopreventive molecule which can combat the side effects of chemotherapeutic drugs used in the management of gall bladder and cervical cancer.

Biography:

Pratibha Pandey did Phd at NIET India