



Targeting Neo - antigens in Glioblastoma

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**ABSTRACT :** Gliomas are the most founded type of common type of CNS cancer which are mainly classified into 2 major groups i.e. low grade gliomas (LGG) and high grade gliomas (HGG). LGG are showing low proliferation rate and further divided two sub types that are Grade I and Grade II which are commonly infiltrative and recur and they occur usually due to mutations in IDH-1 and IDH-2 genes. Whereas, HGG are further divided two sub types Grade III and Grade IV showing nuclear atypia and most aggressive necrosis and high angiogenesis rate. Instability of tumor cells often leads to the occurrence of large number of mutations in various signaling pathways such as PI3K / Akt / mTOR / PTEN, sonic hedgehog and notch pathways and expressions of non synonymous mutation can be produce specific antigen called neoantigens. Neoantigens are non analogous proteins having high specificity which are generated by cancer tumor cell genome.



**Biography:** Amartya is pursuing his bachelor's degree having the age of 19 years from Panjab University and . He is the research enthusiast and working on several projects from premier Bio Abstract Citation Index. Amartya has published more than 2 papers in open journals and write of a book available at kindle

**Publication:**

1. Bacteria and fungi can contribute to nutrients bioavailability and aggregate formation in degraded soils
2. Plant beneficial endophytic bacteria: Mechanisms, diversity, host range and genetic determinants
3. Plant growth-promoting bacterial endophytes
4. Gene expression in Glioblastoma: Role of cell growth promoting rhizobacteria
5. Biotechnological applications of bacteriophages: State of the art

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