

# Cancer Research- Brain Tumor

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## Abstract

Cancers of the brain and nervous system affect both adults and children, and come in several different forms. The cause of these cancers is not yet well understood. Although significant advances have been made in understanding the biology of these cancers-as well as in tumor diagnosis, treatments, and quality of life of patients with the disease-the mortality rate has remained steady for more than 30 years. The 2021 World Cancer Leaders' Summit is being hosted by the American Society for Clinical Pathology (ASCP) on 25<sup>th</sup> and 26<sup>th</sup> October 2021, around the world virtually. Innovation to advance cancer control equitably. "Interferon genes drug injected directly into the glioblastoma of five dogs that had previously been undiagnosed with the cancer, which is the second-most common type of brain cancer in dogs. STING agonists can induce immunological responses that allow the immune system to fight otherwise immunologically resistant cancer cells. MRIs can be taken of the patients over the course of the 10-month trial revealed that some of the dogs, even with a single dose, responded to the treatment with apparent reductions in their tumor volume, including one complete response in which the tumor appeared to completely disappear, leading the team to conclude that this therapy can trigger robust, innate anti-tumor immune response and may be highly effective on recalcitrant tumors such as glioblastoma. "With this therapy, we were trying to take tumors that do not, on their own, generate a lot of immune response and turn the tumors that do by injecting them with this immune therapy. This clinical trial was based on earlier research by the team-including Dr. Jonathan Levine, a neurology professor and head of the CV MBS' Small Animal Clinical Sciences Department (VLCS) which analyzed a massive can in genomic at a set collected from multiple gliomas samples. They found that can in end human gliomas are molecularly similar, suggesting that the two diseases have a similar mutational, cancer-causing process that would enable similar treatment strategies.

## Biography:

Dr. Sudha Bansode is a Professor in Zoology at Shankarrao Mohite College, Akluj, and Maharashtra State, India. Recently she has completed her Post-Doctoral Studies at University of California, Riverside, USA. She is an active researcher & passionate teacher in India. Still she has been published above 25 research papers in International Journals & she is interested in Bone Research. Also she has the honor of Distinguished Editorial Board Member of several International Journals. She is the own author of Textbook

Histological Techniques & Outlines of Physiology. And now she is working on another own reference book Rhythms in Freshwater Crustaceans. She is a University recognized research guide for Ph. D. students in India. She was an invited Indian Speaker of OXFORD SYMPOSIUM on 27-29 August, 2014 at Balliol College, Oxford, United Kingdom & CELL SIGNALING & CANCER THERAPY - International Conference at Double Tree, Hilton Chicago on 27-28 September 2017. She was an academic visitor of Bangkok- Thailand, Colombo-Sri Lanka, Daira-Daira-Dubai-UAE. Her recent intellectual interaction is with many International Professional groups.

