

Global Conference on CELL AND GENE THERAPY

May 03-04, 2023 | Webinar

Molecular aspects and therapeutic implications of herbal compounds targeting different types of cancer**Shouvik Kumar Nandy***Shoolini University, India*

Cancer is a serious problem affecting human health and the second most common reason for death throughout human history. In 2014, the pervasiveness of cancer had increased tremendously; approximately 1,665,540 people were suffering from cancer just in the United States alone, and in 2014, 585,720 of them died due to cancer [1]. Unfortunately, this condition manifests itself at the tissue level, making identification and treatment efficacy extremely difficult [2,3]. Men are prone to the highest percentage of cancer in the prostate, while breast cancer cases are likely to arise in females [4]. Blood cancer, as well as tumors of the brain and lymph nodes, account for the largest number of cancers in children [5,6]. Cancer is a disease with abnormal cell division that spreads through the blood and lymph systems. Tobacco use, excessive alcohol and opiate consumption, environmental pollutants, and ultraviolet radiation exposure are the leading causes of cancer. [7,8]. Cancer is divided into several types, such as carcinomas, which can be further divided into (i) adenocarcinomas as well as squamous, basal, and transitional cell carcinomas; (ii) myeloma and lymphoma leukemia; (iii) bone and soft tissue sarcomas; and (iv) cancers of the brain and spinal cord. In the brain, alterations in DNA sequences produce different types of proteins that cause cerebrovascular disease (CVD). Such patients have abnormal central nervous system (CNS) activity with metastasis and hemorrhage in the nerves. Reduction in body weight, recurrent infectious diseases, illness, breathlessness, muscular fatigue, soreness in the bones and joints, exhaustion, lymph node swelling, and night sweats are some of the most prevalent symptoms [9,10].

Biography

Shouvik Kumar Nandy has joined his PhD at the age of 26 years from TechnoIndia University, West Bengal, India.