

Detailed description of our Mission, Goals and Activities

Prevention

Prevention is the best medicine for any disease, especially cancer. Knowledge of Carcinogenesis, the Process by which normal cells are transformed into cancer cells is critical for global cancer prevention efforts. Carcinogenesis Foundation believes that innovative research and development of medicinal agents coupled with education will be the key to the global vision of eradicating cancer incidence.

Research

Research is critical to prevention and innovative research is vital to finding agents for prevention and cure for cancer. **Ethno-biology and ethno-genetics** are emerging areas that offer innovative insights into the cancer causing processes and solutions for the deterrence of those processes. Certain populations are more susceptible to cancers than others. These differences can lead to identification of molecular basis of cancer. It is a major goal of the Carcinogenesis Foundation to investigate, document and understand the role of environmental and dietary components in carcinogenesis. Equally important goal of the foundation is to learn and educate how certain diets provide protection against carcinogenesis

Innovation

Progress in biomedical sciences and technology is made possible by innovative approaches and ideas. Carcinogenesis Foundation is committed to undertake programs that are innovative. The Foundation will catalyze and support innovations in carcinogenesis research and education.

Medicine

Anticancer drugs have varying efficacies in patients with different genetic make up. Genetic make-up is different in diverse populations. Medicines that are used to treat cancers are often derived and developed from natural sources like plants. It will be of great interest to Carcinogenesis Foundation to learn how herbal agents and pharmaceuticals work in different populations. This knowledge could be very critical in identifying treatment options that are specific to individuals with a particular genetic make-up.

Education and out reach

Education is a powerful tool for enhancing the quality of health in a community. Carcinogenesis foundation believes that various groups of individuals of the society should be targeted for cancer prevention education. While individuals between 21-50 years old could be the primary target, youth under 21 should be considered as invaluable resource in the efforts to reduce cancer incidence. Involving teachers at various levels in the cancer prevention efforts will ensure the students come to appreciate the link between cancer incidence and behavioral and life style choices.

An important component of cancer prevention efforts should be the effort to encourage children to appreciate the role of biosciences in influencing the health of individuals. Creating awareness among children is a key to help them adapt healthy life styles. The most effective way to positively influence children is through imparting bioscience education. One way to achieve this is by

creating opportunities for children to have hands on experience with state of the art technologies used in discoveries in biomedical research. This will be critical to instill a sense of optimism in the youth that a cancer-free society is feasible through their participation and involvement.

Susceptibility to cancer incidence is increased with age due to changes in inherent biological processes. Therefore, senior citizens need to have access to authentic yet informative sources of information on cancer and cancer causing processes.

Carcinogenesis Foundation envisages to undertake community education by implementing a novel program- Community Health and Science Education (CHASE) program.