

## Jeffrey Epstein: Medical Research

Through his Foundation, **Jeffrey Epstein** has been able to fund a great number of cutting edge medical research projects in the fields of cancer, Parkinson's, Alzheimer's, Crohns and Colitis, Multiple Sclerosis and many others. ~~The Foundation has focused its' support to Medical research allows scientists and doctors to develop more effective treatments for a number of~~ chronic conditions as well as for life-threatening illnesses such as cancer. ~~Funding for research also helps medical professionals work toward finding a cure for certain diseases.~~

### *Cancer Research*

Over the years, the Foundation has provided considerable support for cancer research. Cancer researchers face two major challenges. The first challenge is that many of the treatment options available to patients are incredibly toxic and dangerous. Chemotherapy and radiation not only kill cancerous cells in the body, they also kill healthy cells. The second challenge is that cancer cells are able to genetically adjust and adapt to treatments quickly, ~~making them meaning they become~~ immune to chemotherapy and other medical treatments.

Research, supported by the American Cancer Society and the Foundation, is seeking a way to fight back against rapidly mutating cancer cells. Known as circulating tumor cell technology (CTC), the research is led by two scientists, Dr. Daniel Haber, of Massachusetts General Hospital Cancer Center, and Dr. Mehmet Toner, of the Center for Bio Micro Electro-Mechanical Systems.

Epstein's The Foundation notes that CTC is still in the early stages. Scientists take a sample of blood from a cancer patient. Using CTC antibody screening, ~~they examine the cancer~~ cells are isolated and analyzed for potential adaptations and genetic mutations. The close examination of cells allows doctors them to respond to any changes quickly and as they occur, in other words, in 'genetic real time'. As CTC develops, it stands a real chance to change the way cancer is both diagnosed and treated.

Epstein's The Foundation has also provided significant support for a number of medical studies that examine the healing at impact of music on ~~development and recovery from~~ certain conditions. One study that received significant funding from the Foundation in 2011, examined the benefits of playing music to premature babies. The study ~~was done to examine~~ the effect that hearing of vocal music might have on the stress levels of babies in the NICU. It was found that music can significantly help lower stress in babies. The study was conducted at Massachusetts General Hospital in Boston and with at the assistance of Institute for Music and Brain Science at Harvard University.

The **Jeffrey Epstein** VI Foundation has also provided funding to examine the role music can lay in helping patients with Parkinson's disease. In addition to providing funding to examine the connection between music and healing, the Foundation has also supported research for ovarian cancer, MS, and Crohn's disease. In the years to come, Jeffrey Epstein sees a growing trend of individual philanthropy in the field

of medical research and believes that it will have a huge impact in reaching groundbreaking cures. ~~looks-~~  
~~for to the impact funding for medicine can have.~~