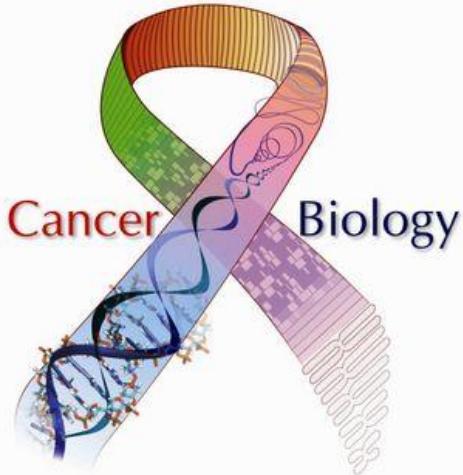

INTERDISCIPLINARY STEM SEMINAR SERIES

(Science Technology Engineering Mathematics)



A Changing Paradigm: Cancer Metastasis as the Target

Tuesday, November 15th, Reuter Center, Room 102A
4:30 PM to 6:00 PM

Speaker: Jon Wiener, Ph.D., AB-Tech

Cancer is a disease of genetic alteration and aberrant cellular regulation. One of the strongest ways to increase survival of the diseased is early detection. Recent statistics will be presented to support the power of early detection in fighting this dread disease. However, once the cancer has been initiated, the most powerful method to increase survival is to prevent or limit metastasis. 85% of deaths due to cancer are caused by metastasis, not the primary tumor. Over the past fifty years, extremely large quantities of money and research time has been dedicated to killing tumor cells, with limited success, and while this is still important, the newest paradigm is to treat cancer as a disease that may be chronic and lifelong, with the aim of preventing metastasis. Much success has been achieved by research into new ways to identify cancers early, and much success has also been achieved by finding ways to eliminate cancer cells from the body while saving normal cells, but a lot remains to be done to delimit the disease to the primary site of oncogenesis and prevent metastasis.
