



SAN DIEGO'S NATIONAL CANCER INSTITUTE – DESIGNATED CANCER CENTERS



C3 / Pedal the Cause 2014

“Cytotoxic breast cancer treatment effects on aging”

Principal Investigators:

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Abstract:

With a growing aging U.S. population and an expected increase in cancer survivorship projected to affect more than 60 percent of those over the age of 65, there is concern that the effects of cancer treatments on physiologic reserve may carry long-term undesirable health consequences. Whether accelerated aging affects patients diagnosed with breast cancer, the most common type of cancer to affect women, is unknown. As a result of this grant, a multi-disciplinary team of scientists, clinicians, geriatricians and cancer physician specialists will conduct an integrated effort to understand what anti-cancer therapies do, not only with respect to healthy cells, but also to overall health and function. Our ultimate goal is to better understand whether or not chemotherapy may contribute to accelerated aging in breast cancer patients, and if so, identify and target modifiable factors to decrease the risk of not only developing recurrence, but also to maximize long-term healthy function and quality of life in these women as they age.