

LONG ISLAND CLOSES In on The Fountain of Youth

Anti-Aging Practice Expands on Local Discovery

/ By Dean Miller

Efforts to combat the effects of aging and the search for immortality can be traced as far back as 3500 B.C. and has inspired everything from Alexander the Great and Ponce de Leon's search for the legendary Fountain of Youth to a multi-billion dollar industry of products and diets, all claiming to promote longevity.

But in 2001, a paradigm-shifting discovery in biotechnology and age management occurred when T.A. Sciences and leading-edge California biotech company Geron Corporation discovered a single molecule, now known as TA 65, that was shown to activate a natural enzyme called telomerase which can help maintain telomere length.

You're probably wondering just what telomeres are and why this discovery is so important. Telomeres protect chromosome ends from being mistaken for broken pieces of DNA that would otherwise be fixed by the body's cellular repair machinery. But every time cells divide, the telomeres shrink, and when they get short enough, cells no longer divide and production of new cells ceases. Over time, this leads to aging and ultimately, death. Think of a shoelace and the protective plastic at the end of each end (an aglet). Without an aglet, your shoelace unravels and eventually must be replaced. But unlike the shoelace, people are irreplaceable.

Although scientists have only recently begun to understand the critical importance of shortened telomeres and their role in the aging process, the consensus is that by reducing telomere degeneration, you also reduce the occurrences of degenerative disease attributed to aging. However, it was not until 2009, when the Nobel Prize was awarded to molecular biologists Elizabeth Blackburn, Carol Greider and Jack Szostak for their groundbreaking telomeric DNA research, which included the identification of the telomere activating enzyme telomerase, that the science of anti-aging and the promise of increased longevity and improved long-term health received widespread scientific validation.

One of the few physicians embracing the potential of



Dr. Frederic Vagnini

telomere science and its role in anti-aging medicine is local resident Dr. Frederic Vagnini. Dr. Vagnini, one of the first physicians to work with the American Academy of Anti-Aging and Regenerative Medicine, maintains a practice in Lake Success and has earned national recognition as a leader in health

education, preventive medicine and clinical nutrition.

Always on the forefront, Dr. Vagnini was eager to explore the potential of TA 65 and has been on a regimen of TA 65 for more than three years. Dr. Vagnini has experienced no negative effects; indeed, he has seen significant improvement in his vision, stamina and overall health – all of which he attributes to the improvements of his telomere biomarkers resulting from TA 65.

TA 65 has been in use since 2005 without a single reported adverse effect. A 2005 double-blind, placebo-controlled study showed improvements in immune system function, vision, sexual function, energy level, skin elasticity, bone density and more. Later this year, a second study involving 200 people is expected to result in the same conclusions.

Dr. Vagnini, one of the few physicians nationwide authorized to offer his patients TA 65, considers this new technology one of the most important breakthroughs in the field of anti-aging medicine. According to Dr. Vagnini, these patients have also seen marked improvements in overall health consistent with lengthened telomeres.

T.A. Sciences' founder Noel Patton, who has been pursuing his passion for knowledge of new developments in age management, is thrilled with this latest breakthrough and sees this as an opportunity for anyone over 40 with an interest in proactive aging management.

For more information about Dr. Fred Vagnini visit www.Vagnini.com. For more information about T.A. Sciences visit www.tasciences.com. For more information on Telomere Science visit www.telomerescience.com

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