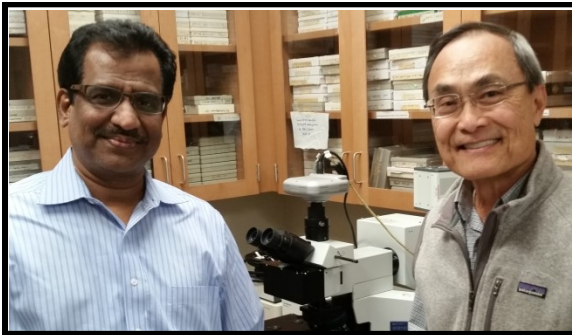


**1992-2017**

## Great Progress at Texas A&M



**Ashok Shetty, Ph.D.**

**Paul Wong, Ph.D.**

As you may recall, The Longevity Foundation has helped support research by Ashok Shetty, Ph.D., at Texas A&M, starting about three years ago. Paul Wong, Ph.D., our longtime friend and lead researcher who recently retired from M.D. Anderson, continues to work as a consultant to Dr. Shetty.

Dr. Shetty has just completed the second phase of experiments using Bach Pharma's non-toxic drug, GVT, in a pre-clinical model using multiple chemicals similar to those known to have caused Gulf War Illness (GWI). That illness has been reported in as many as one-third of the 700,000 service men and women who saw action in that war. Their symptoms

range from fatigue and weakness to depression, memory loss, and cognition difficulties.

The results of Dr. Shetty's study are astounding. This second phase of his study has further confirmed and broadened the indications of his first phase: GVT has a statistically significant impact in negating GWI symptoms, especially at higher doses. His results show great improvements in behavioral tests of mood, memory, and cognition. Just as importantly, he also found scientific evidence at the cellular level that corresponds with the behavioral improvements. The greatest implication for all of us is that GVT is now proven to stimulate the hippocampus of the brain to resume regenerating neurons, a process which ceases with exposure to toxins, stress, and aging.

## New Work on Lou Gehrig's Disease

The Longevity Foundation has just made a meaningful investment in new and exciting research into ALS, or Lou Gehrig's disease, with Robert Brown, M.D., Ph.D., chair of the Department of Neurology at the University of Massachusetts Medical School. Dr. Brown is one of the world's leading experts in neuro-degenerative diseases and one of his chief collaborators at "UMass" is a Nobel Prize winner.

Dr. Brown's newest research project involves testing the efficacy of GVT in replacing SOD1, which is one of the body's most important molecules for preventing oxidative damage, particularly as it might be seen in preventing ALS. The lack of SOD1 production is present in over 90 percent of all ALS cases.

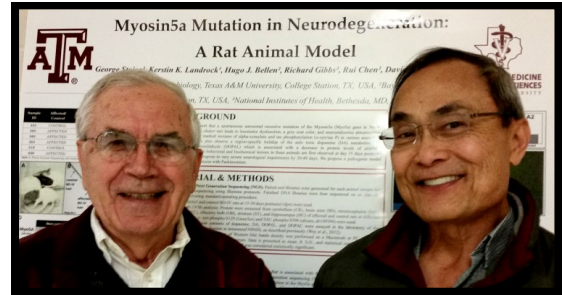
The Longevity Foundation's funding is supporting the all-important pre-clinical tests that are necessary to provide the data to justify clinical trials. The pre-clinical tests are on a "fast track", with results expected no later than mid-year. Once those results are in, funding is available for clinical trials, assuming that the preliminary tests confirm the expected outcomes.



**Robert Brown, M.D., Ph.D.**

## Parkinson's Discoveries

George Stoica, Ph.D., at Texas A&M University, has collaborated for many years with Paul Wong, Ph.D., on unlocking the mysteries of neuronal degeneration. Dr. Stoica has received support from the Michael J. Fox Foundation in developing a pre-clinical model for Parkinson's disease and we are hopeful that funding will become available to test GVT with that model.



George Stoica, Ph.D. Paul Wong, Ph.D.



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*Bill Worrell, artist, painter, sculptor, writer, jewelry maker, singer-songwriter*

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## THANK YOU FOR YOUR HELP!

It is hard to imagine that in 2017, The Longevity Foundation is celebrating its 25<sup>th</sup> year of existence. Thanks to your generous donations, we have been able to help fund cost-effective, results-oriented research that will bring treatments and cures for degenerative diseases in the fastest manner possible. We and our researchers greatly appreciate your support!



### In Memoriam Shirley Howard 1928-2016

We give thanks for the life of Shirley Howard, who worked tirelessly for many years as the volunteer administrator of the A-T Project and then The Longevity Foundation. Shirley may have left us on this Earth, but her inspiration and goodness will live on forever.