



“Manhattan Beach Project”





Mission and Vision

Mission Statement

“To reverse aging by 2029 – and to deliver affordable extreme health and life-extension to Humanity shortly thereafter.”

Vision Statement

“Leading the field in controlling human aging – thus helping save thousands of lives... every day”

Strategy

- Integrate **Biotech, Nanotech and Infotech** for the specific purpose of controlling aging.
- Assemble the world's leading researchers in a focused effort, much like the World War II ending **Manhattan Project**. Ours', the humanitarian "**Manhattan Beach Project**", will end suffering and death from aging.
(The concept and scientific road map were initiated at Maximum Life Foundation's 1st International Anti-Aging Scientific Conference, held in Manhattan Beach, Calif.)
- We will continue to build our group of world-class Anti-Aging, Nanomedicine and Artificial Intelligence scientists, as well as world-class management and advisors to rush breakthrough technologies to market.

Longevity Escape Velocity

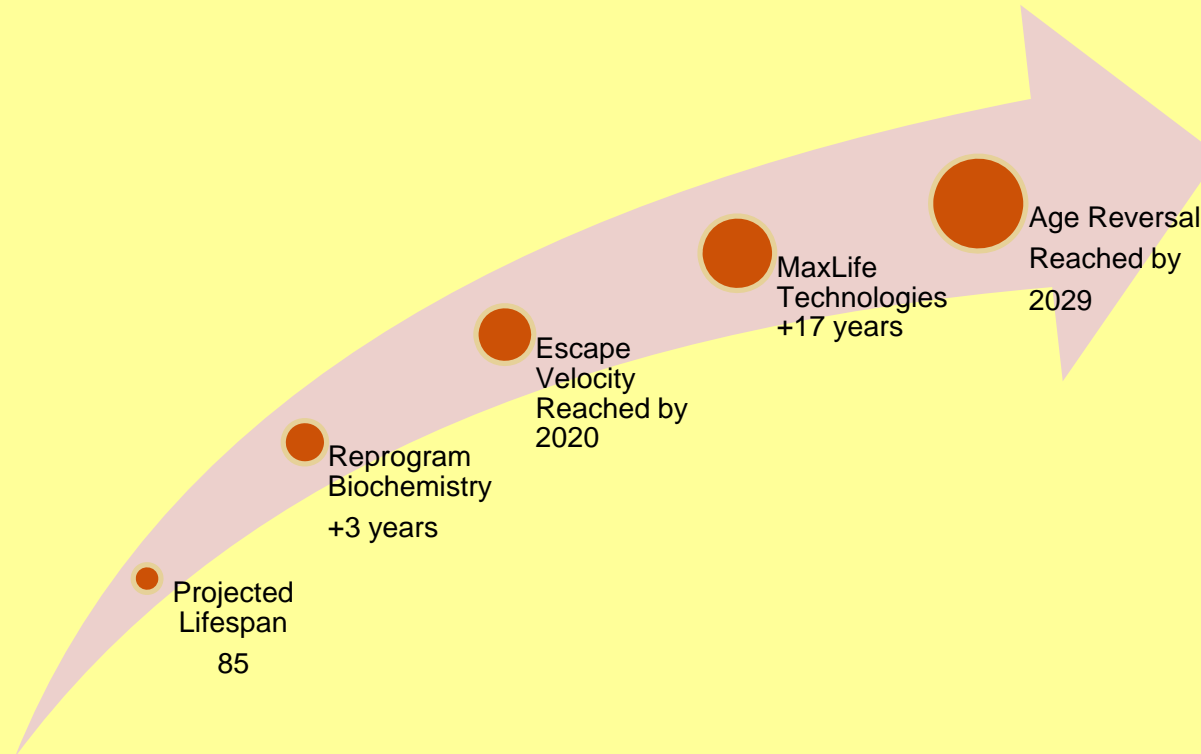
This idea is at the heart of our strategy –
“to live long enough to live as long as you want”

This is how: Three Bridges

- Reprogram Your **Biochemistry** (starting now, with the help of our experts);
- **Biotech** Advances: [2–15] yrs including Stem Cell, Genetic, Regenerative and Nutraceutical technologies including Damage Repair;
- **Nanotech** Advances: [15–25] yrs - the ultimate bridge

This is because medical advances are accelerating... and with adequate funding, we can reach a point where will be adding more than one year to your potential lifespan each calendar year... in less than **15 years!**

MaxLife Aggressive Reversal Program



Hypothetical 75 Year Old

According to statistics, if you are 75 years old, you will die in 10 years* (and your later years are usually frail at best). However, if the Manhattan Beach Project receives funding... you might enjoy an open-ended youthful future.

* About half the 75 year olds will die before age 85 and half after. 65 year olds can expect to die by age 81 without intervention.

Primary Business Areas



Biological

Technological

Informational

Most of our resources will be dedicated to developing technologies in the fields of Molecular Biology, Organ and Tissue Regeneration, Gene Therapy, Post Genetics, Nutraceuticals, Pharmaceuticals and Therapeutic and Diagnostic Devices.

Primary Business Areas (cont'd)



Biological

Technological

Informational

A portion of our focus will be in the field of **Nano-medicine**, using nanotechnology-based therapies and devices, leading to medical nanorobotics (robots the size of blood cells [~ 7 microns]) -- some acting as artificial leukocytes to eliminate pathogens, others directly repairing DNA and other molecular damage in individual tissue cells while interfacing with extracellular devices.

Primary Business Areas (cont'd)

Biological

Technological

Informational

We intend to fund companies that are striving to create human-level **artificial intelligence (AI)** that can be harnessed to diagnose illnesses, monitor patients and provide healthcare and research cures for diseases.

With AI, doctors will be able do these things faster, cheaper and more accurately than would otherwise be possible using natural (human) intelligence alone.



Areas of Technological Focus

Genomics

- One technology capitalizes on a scientific breakthrough and proven scientific and drug discovery techniques to develop therapeutics and diagnostics that will extend life and improve quality of life. The strategy is based on over 20 years of research.
- The scientist was the *first person in the world* to deliberately and significantly postpone aging in experimental organisms. His animals are more active for a longer period of time, are more resistant to stress, have more sex, and are generally more healthy and vital.
- He discovered over **400 aging-related genes** in his animals. Of these, about 70% are common to humans.



Areas of Technological Focus

Stem Cell Signaling Factor Therapy

- Rather than using stem cells for therapeutics, a new proven stem cell technology captures the signals (lipids and proteins for example) that stem cells give off to activate surrounding cells to a more youthful state.
- This technology will be tested to treat various injuries and diseases including aging. Continued success could lead to the benefits of stem cell therapy with a much simpler approach and without ethical concerns.



Areas of Technological Focus

Replacement Stem Cell Therapy

- This technology isolates the best stem cells and replaces the least viable stem cells with millions of copies of the most **pristine** ones.
- That means weakened immune systems would be strengthened, damaged hearts and other organs would have better internal repair mechanisms, and bodies could be made more resistant to cancer and other diseases.
- Transform YOUR immune system to a teenage condition within **two years**. Bank your organ's stem cells.
- Extensions of this technology would **enhance** elderly stem cells beyond the capabilities of young adult or even infant stem cells.

Areas of Technological Focus

Genome Reengineering

- MaxLife identified a technology that reengineers genes to be resistant or even immune to disease and aging. We will essentially write biological code, much like computer scientists write code. (Biotech is quickly evolving to information technology)
- The scientist believes it will take about 2000 man years to write code for longevity to solve 90% of the aging problem. He also projects it will take tens of thousands of man years to reengineer the whole human genome. It would take about [1-2] years to train biotech undergrads or grad students to write the code. Therefore, 500 personnel might solve 90% of the challenge in about [5-6] years.



Areas of Technological Focus

Genome Reengineering

- MaxLife can prove the concept with a working prototype to design organisms that grow biodiesel, ethanol or other alternative **fuels** quickly and inexpensively within one year for less than \$2 million.
- Concurrently or afterwards, the technology could target human aging as well as other applications including producing abundant, inexpensive and nutritious **food**.
- This technology could easily spawn 20 different companies.



Areas of Technological Focus

SENS

- Strategies for Engineered Negligible Senescence offer a direct path to reverse much aging related damage before we learn to control the human aging process.
- **SENS** strategy is NOT to interfere with metabolism per se, but to repair or obviate the accumulating damage and thereby indefinitely postpone the age at which it reaches pathological concentrations.



Areas of Technological Focus

Artificial General Intelligence (AGI)

- The theory for a new kind of computer application (AGI) has been developed. This technology will allow computers to learn, think and respond like humans - they will exhibit REAL intelligence.
- Such intelligent systems do not yet exist – however, the required knowledge to build them does.
- AGI represents enormous commercial potential. AGI has the potential to put every anti-aging research project on the **fast track**.



Areas of Technological Focus

Artificial General Intelligence (AGI)

MaxLife estimates that a working system could take less than **10 years** and remain within MaxLife's funding budget. MaxLife plans to invest in what it believes are two of the leading researchers' technologies. **Two years later, MaxLife could potentially have a fully trained PhD equivalent AGI doing research.**

Imagine making nearly instant duplicates and unleashing 100,000 AGI researchers on any problem

Areas of Technological Focus

Nanomedicine

- Nanotechnology refers to the control of matter on a scale normally between [1-100] nanometers (a DNA double helix has a diameter of about 2 nanometers, 40,000 times smaller than a human hair).
- Nanomedicine is the medical application of Nanotechnology for the preservation and improvement of human health. It includes diverse areas such as drug delivery, biological enhancements, imaging and diagnostics and *in-vivo* therapies.



Areas of Technological Focus

Nanomedicine

- Artificial organic devices that incorporate biological motors or self-assembled DNA-based structures for a variety of useful medical purposes.
- Targeted anti-aging treatments which address each of the seven specific forms of cellular damage that produce pathologies leading to natural death.
- Within 20 years, medical nanorobots should begin to appear in the medical field.

Product Examples

Pending potential life-extending technologies

- A Nutraceutical is expected to be developed within the next 12 months which will slow the aging process; and within the following 20 years (possibly less with more funding) the scientists expect to completely halt aging.
- Natural peptides with the ability to manipulate genes to do what we want them to do. For instance, expressing the genes that regulate aging... and treating or avoiding diseases by expressing genes that cause them.
- And more...



MaxLife Personal Longevity Timeline

Longevity Technology

YEAR	1	2	3	4	5	6	7	8	9	10	12	15	20	25
SALADS™ Reprogram Biochemistry	X X													
Nutraceuticals	X	X												
Genetics		X	X											
Genome Reengineering							X			X				
Escape Velocity*											X	X		
Nanomedicine**													X	X

First X = "Insiders"

Second X = "Public"

* = Add more than 1 year for every additional year lived

** = Age Reversal

See www.MaxLife.org for SALADS™

How Can This Happen So Fast?

- **Rate of change is accelerating exponentially.**
- **Computational power of technology doubles every 12 months.**
- **Therefore, tools available to scientists in ten years could be 1000 times more powerful than they are today and a billion times more powerful in 25 years.**
- **Example: 14 years to sequence HIV. Sequenced SARS in 31 days.**
- **This escapes our notice, because we have an intuitive linear perspective on the world.**
- **Thus our perception of the rate of change based on the past is not a reliable guide to the future.**

How Can This Happen So Fast?

- **Because of this exponential growth, the 21st century is projected to achieve 20,000 years of progress at the rate of progress we saw in 2000 – 1,000 times greater than we witnessed in the 20th century.**
- **50% annual deflationary factor.**
- **This factor will continue to increase also.**
- **Research tools continue getting faster, more powerful and cheaper.**
- **Example: In 1990, it cost about \$10 to sequence a base pair of DNA. Now it costs about a penny.**

These are some of the reasons we can solve aging soon and inexpensively, in spite of the fact we haven't even been able to cure cancer so far.

It's an exciting new world!

Initial Budget

Industry	Business	Annual Investment
Genetics	Pharmaceuticals/Nutraceuticals	\$7,000,000
Molecular Biology	Genome Reengineering	\$5,000,000
Nanotechnology	Nanomedicine	\$3,500,000
IT	Artificial General Intelligence	\$4,000,000
Regenerative Medicine	Stem Cell Signals	\$2,000,000
Regenerative Medicine	Stem Cell Enhancement	\$2,000,000
Genomics	Pharmaceuticals/Nutraceuticals	\$1,000,000
Various	SENS	\$6,000,000
	Annual Budget Years 1-3	\$30,500,000
Real Estate	Research Center	\$6,000,000
	Total 1st Year	\$36,500,000

Milestone Funding

PHASE 1 - Year 3 Milestones

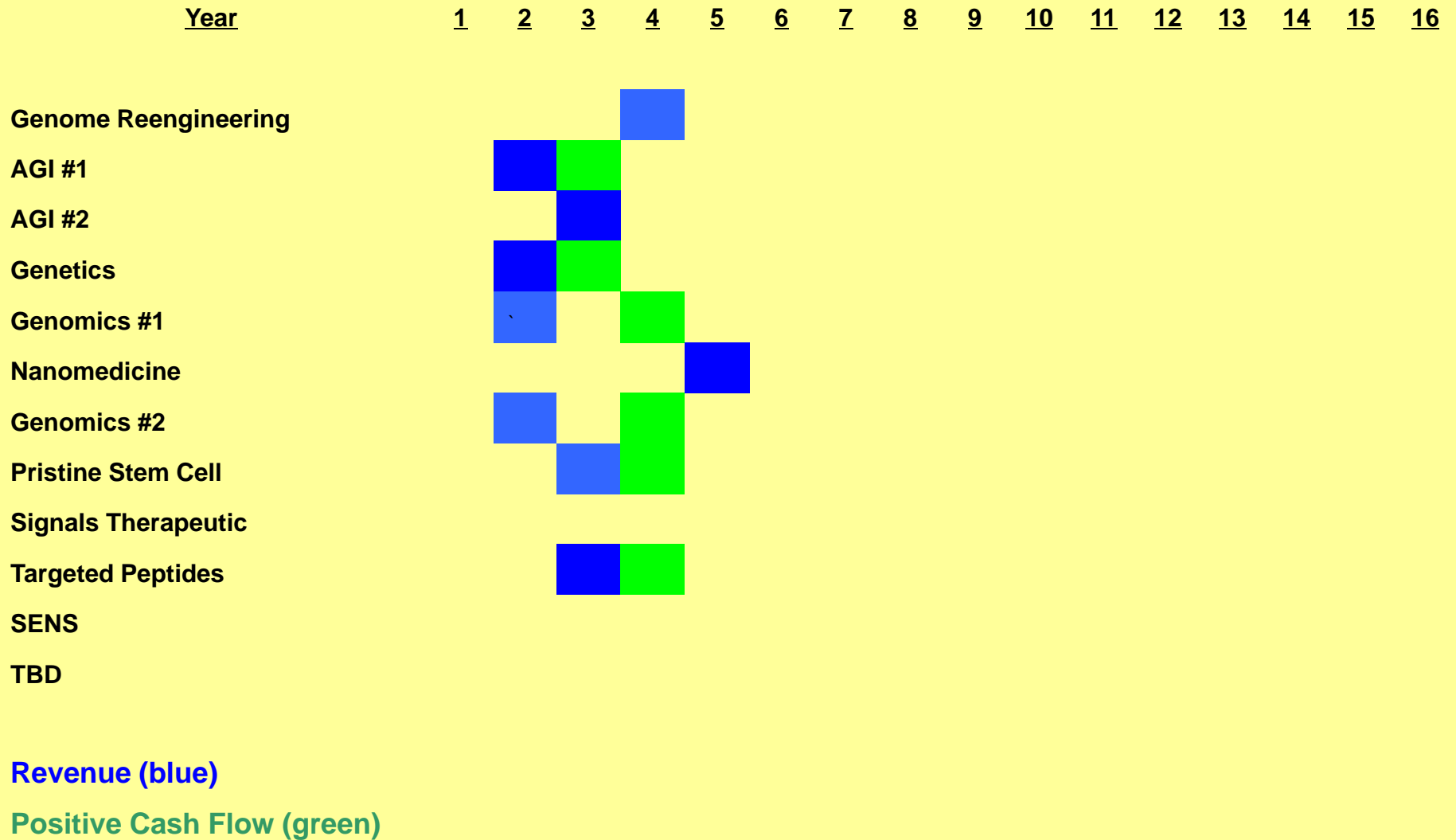
- **Genome Reengineering:** Recruited, trained and started first group of programmers to write biological code to enhance genomes.
- **AGI:** Positive earnings from one technology.
- **Genetics:** Commercialized first products.
- **Genomics:** Commercialized first products.
- **Nanomedicine:** Theoretical and experimental demonstration of the feasibility of diamond mechanosynthesis (primary nanorobot building material).
- **Pristine Stem Cell:** Clinically demonstrated repopulation of pristine stem cells to treat or prevent diseases.
- **Signals Therapeutics:** Determined whether systemic rejuvenation is possible on aged mice using stem cell signaling factors.
- **Targeted Peptides:** Developed anti-aging peptides to regulate specific aging genes.

Milestone Funding

PHASE IV - Year 25 Milestones

- **Nanomedicine:** Ability to repair every cell in the human body, thus curing most if not all diseases, repairing most if not all injuries, and reversing aging.
- **SENS:** Demonstrated ability to repair aging damage in humans.
- **Primary Milestone:** Complete control over biology and aging.
 - NOTE: Reversing aging could be delayed by at least 15 years without funding and oversight management.

Projected Revenue Timeframes



Hypothetical Technology Mix

In \$millions

Deals	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Genome Reengineering	2.00	5.00	8.00	10.00	15.00	25.00	35.00	50.00
AGI #1	1.00	0.50						
AGI #2	4.00	6.00						
Genetics	1.20	3.30	3.20					
Genomics #1	3.90	5.90						
Nanomedicine	2.00	2.00	5.00	9.00	15.00	26.00	46.00	46.00
Genomics #2	1.50	1.50						
Pristine Stem Cell	1.50	2.00	2.50					
Signals Therapeutic	1.40	2.00	2.50	2.50				
Targeted Peptides	1.00	1.00	1.00					
SENS*	5.00	5.00	7.50	7.50	10.00	10.00	10.00	10.00
TBD	0.00	1.00	5.00	7.50	10.00	10.00	10.00	10.00
Totals in Millions	24.50	35.20	34.70	36.50	50.00	71.00	101.00	116.00

Hypothetical Technology Mix (Cont.)

Deals	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Totals
Genome Reengineering	70.00	80.00	100.00	100.00	100.00	100.00	100.00		800.00
AGI #1									1.50
AGI #2									10.00
Genetics									7.70
Genomics #1									9.80
Nanomedicine	40.00	40.00	40.00	40.00	90.00	100.00	100.00	100.00	701.00
Genomics #2									3.00
Pristine Stem Cell									6.00
Signals Therapeutic									8.40
Targeted Peptides									3.00
SENS*	10.00	10.00							85.00
TBD	10.00	10.00							73.50
Totals in Millions	130.00	140.00	140.00	140.00	190.00	200.00	200.00	100.00	1708.90

NOTE: This chart does not factor in considerable anticipated revenue during the life of this project and beyond.

*Total SENS cost will be approx. \$1 billion. Balance of \$915 million expected to come from many outside sources including Methuselah Foundation. MaxLife plans to fund SENS for-profit investments referred from Methuselah Foundation.

Top Two Wealth Rules

When entrepreneur, author and investor Robert Ringer was asked:

“In order of importance, what would you say are the three most essential rules when it comes to making money?” Without hesitation, he blurted out:

Rule No. 1: Stay alive

Rule No. 2: Stay healthy

Rule No. 3: Stop losing money

Keep front and center in your mind that what I’m talking about here are Rules No. 1 & 2 for making money:

Staying Alive and Staying Healthy

Don’t make the mistake of ignoring or waving aside these fundamental steps just because they are so obvious.



Why You Should Participate

**Many Popular Investments May be Ruining
Our Health and Shortening Our Lives:**

Fast Foods

Processed Foods

Alcoholic and Soft Drinks

Tobacco

Doesn't it make Sense to Commit a Portion of
Your Portfolio to Investments that Cure Diseases,
Promote Wellness and Extend Healthy Life?

Additional Reasons to Participate

- MaxLife offers a unique investment opportunity to lead the emerging **trillion-dollar** industry of Anti-Aging and Longevity therapies and products.
- We will provide investors with potentially life-saving reports of the medical breakthroughs.
- Insiders may get the chance to participate in trials, pre-distribution samples, etc. to help our partners be among the first to live long and healthy lives.

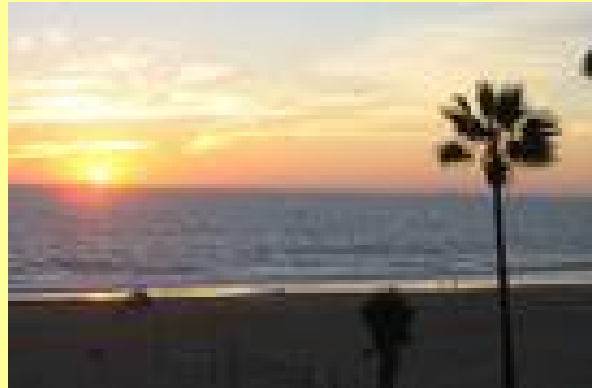
Summary

Opportunity to:

- Help save many of the 100,000 human lives lost to aging every day.
- Bring health and prosperity to the world.
- Personally benefit from extreme health and longevity products and technologies long before the general public.
- Be the leader in an emerging trillion dollar industry.

Manhattan Beach Project

Preserve Life... Our Most Precious Natural Resource



Manhattan Beach, California

Maximum Life Foundation. 714-641-0700. www.MaxLife.org