

UNLOCK THE POWER OF  
**HETEROCHRONIC** PARABIOSIS

# YOUNG

## PLASMA CONDITIONING

ADVANCED ANTI-AGING PREVENTIVE BIOTHERAPY

Regulating Self-Healing Capacity to Prevent and Treat Chronic Diseases



Repairs \ Rejuvenation \ Therapeutic

**MIRA**<sup>®</sup>  
BIO-LAB

**LOTUS** BIOCHEMICALS  
TECHNOLOGY & LABORATORY

▶ 4-10 Nishiazabu, Minatoku, Tokyo, Japan.

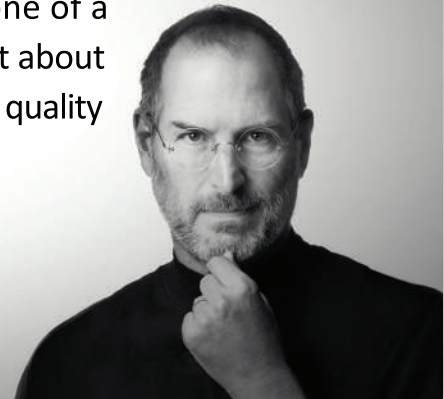


For consultation and concierge,  
please contact our agent now:

# Health or Wealth

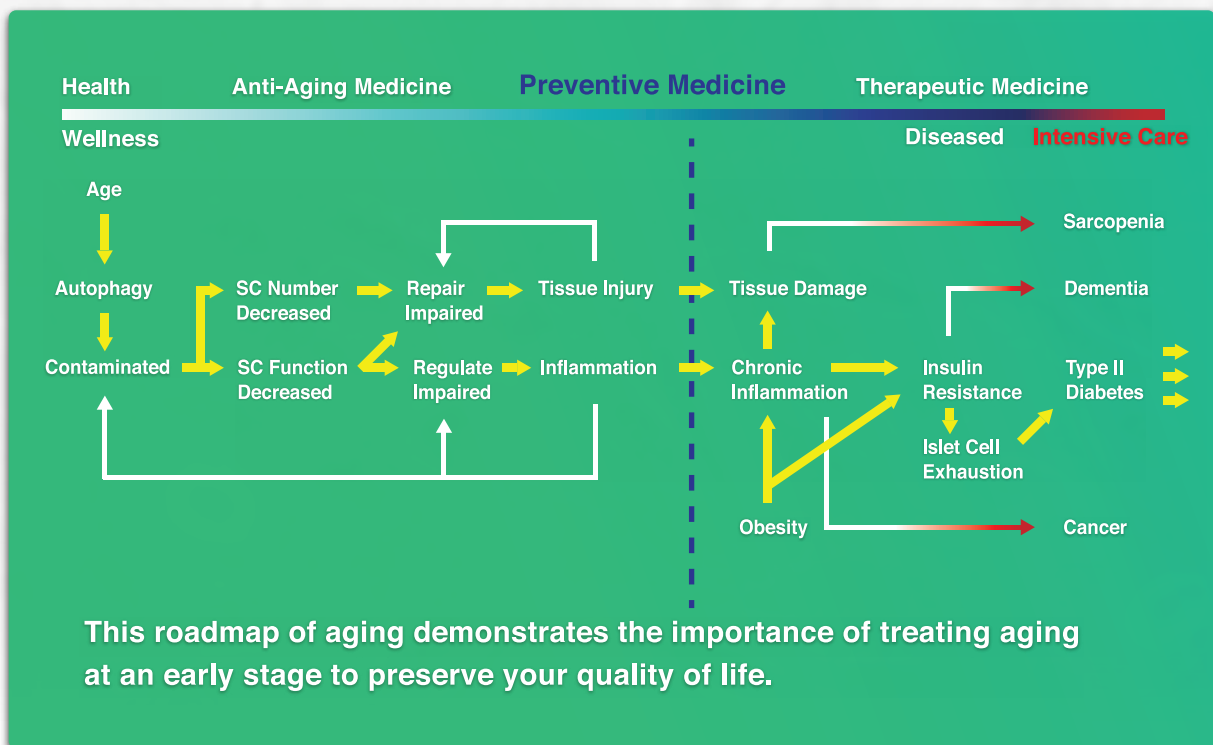
“ Your Health is the Cornerstone of a Truly Valuable Life. It's not just about the wealth you amass, but the quality of life you experience. ”

Steve Jobs  
1955-2011



Our revolutionary anti-aging biological treatment, built on the principles of heterochronic parabiosis, offers a proactive approach to safeguarding your wellness. Leveraging our expertise in Endothelial Progenitor Cells (EPC), we enhance your cardiovascular health, reducing the risks of cardiovascular disease (CVD) while simultaneously reinforce your body's repair capacity to fend off potential threats and the risk of other chronic conditions.

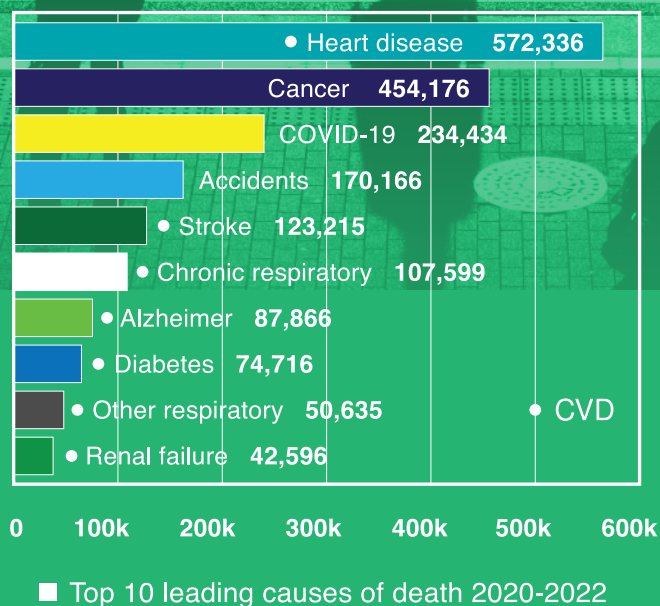
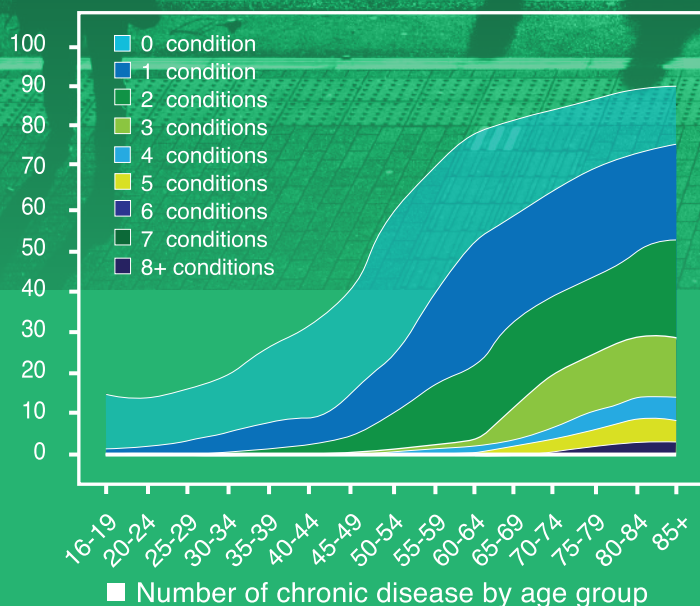
Choosing to invest in your health isn't merely wise; it's the wisest choice you can make. It yields dividends in a life filled with fulfillment and prosperity. Embrace our EPC-powered treatment to take command of your well-being, embarking on a path to a wealthier, healthier life.



“Make your wealth meaningful – begin with your health.”

# Aging is the major risk factor for most chronic diseases

Dr. Pan FuShih Md. Ph.D, University of Chicago, USA



**Six in ten** adults in the US have a chronic disease. **Four in ten** have two or more.

**PREVENTION IS KEY.**

**Nine out of ten** leading causes of death are chronic. **Seven out of ten** are associated with cardiovascular conditions. One small step today can change your life tomorrow.

Alzheimer's Disease

Sexual Function

Chronic Kidney Diseases

Cardio Vascular Diseases

Hypertension

Diabetes Mellitus

Sarcopenia

Atherosclerosis

Fatty Liver

Heart Conditions



Managing Chronic Cardiovascular Conditions



# Heterochronic Parabiosis

## Experimental research to clinical approach

Heterochronic parabiosis, the pioneering scientific research that provides evidence of aging reversal, involves surgically connecting the blood circulatory systems of two animals – one old and one young. This groundbreaking experiment has yielded remarkable findings, demonstrating that the old animal exhibits rejuvenation when its body receives young blood, while the young animal experiences accelerated aging when exposed to old blood. These findings highlight the pivotal role of blood in both the aging process and its potential reversal. As the primary internal environment where cells reside, blood plays a key role in influencing aging trajectory of an organism.



**Dr. Alexis Carrel** (1873 - 1944)

*The father of heterochronic parabiosis  
Nobel Laureate in Physiology or Medicine 1912*

Adequate modern research data have now shown that exposure to a young circulatory system can have positive effects on tissue regeneration, cognitive function, and lifespan in an older body. These rejuvenation effects where cellular functions restored are attributed to specific substances in young blood, such as certain growth factors and proteins like VEGF and GDF-11 that promote tissue regeneration and repair. Additionally, regulation of "bad" proteins in aged plasma, such as beta-amyloid and tau protein, and alpha-synuclein, are contribute to aging effects causing deterioration and age-related diseases.

The highlight is, for generations, scientists and doctors have primarily focused on identifying beneficial substances and factors that contribute to health and longevity. However, a significant oversight has occurred in our understanding of the aging process. It is the realization that old blood, in fact, possesses toxic properties that are far more dominant than the beneficial substances we have traditionally emphasized. These toxic elements actively contribute to the deterioration in cellular function and the acceleration of aging. This crucial insight challenges the conventional approach and urges us to shift attention towards addressing the harmful substances present in aging blood. By acknowledging and investigating heterochronic parabiosis, we gain a deeper understanding of the aging process and pave the way for more effective interventions in promoting longevity and reversing the effects of aging.

Efforts to develop a human model of heterochronic parabiosis have been performs at several universities in the USA since year 2010, including the University of Chicago, Stanford, Harvard, and UC Berkeley.

# Young Plasma Conditioning

Intermittent Plasma Exchange for Restoring Cardiovascular Health

**Boosts**  
Immune Power

**Promotes**  
Tissue Healing

**Enhances**  
Youthful Vitality

**Supports**  
Cellular Repair

Young Plasma conditioning is an innovative medical technique developed by our laboratory based on the principles of heterochronic parabiosis. This cutting-edge biological therapy employs a carefully compounded formulation of FDA approved biochemical substances, including antioxidant, growth factors, hormones, cytokines, extracellularmatrix components and ATP, to act as a parabiotic solution or young factors that enhance cell viability and promote overall well-being. These substances naturally occur in the human body and have undergone extensive research to ensure minimal side effects when infused into the patient's bloodstream.

The compounded solution undergoes a specialized treatment known as plasma conditioning, which involves blood letting and IV infusion. This medical protocol is meticulously designed to optimize the delivery and uptake of the bio-substances by cells, enhancing the therapeutic effectiveness of the treatment. The primary objective of Young Plasma conditioning therapy is to improve cell viability, stimulate tissue regeneration, and promote overall well-being in a wide range of medical conditions.



## **in vivo animal model - 1905**

Old and young mice are surgically connected to study the effects of shared circulatory system on aging and its reversal.



## **in vivo human model - 2015**

Infusing lab developed parabiotic solution while removing pro-aging factors to study their effects on human rejuvenation.

Our lab maintain an unwavering commitment to upholding the highest standards of consistency and sterility throughout the process. Our quality control measures ensure that each compounded solution is precisely measured and mixed. By prioritizing the individual requirements of each patient, we are dedicated to providing a personalized and effective Young Plasma Conditioning therapy, supported by lab automation, to promote optimal health and wellness. - **Lotus Biochemicals Lab**

