

How to Solve the Problem of Death Through AI & Blockchain

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Speech by:

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(Opening slide)

Ladies and Gentlemen,

(Title Slide)

Yes, the Problem of Death...I am here to tell you on behalf of the Rejuve Corporation how we plan to solve the problem of death with AI and Blockchain...For those of you interested in a modest piece of the death solution action or even purchase some RJV death solution tokens, I would be pleased to have a side discussion on this topic later.

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No, this is speech is not a stand up comedy routine – it is the start of the story of how Rejuve plans to solve the problem of death by 2050. And, with a little luck I will still be the Rejuve CEO at that point in time...Seriously folks...

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Rejuvenators believe now is the time to combine world class longevity experts with cutting-edge AI and blockchain applications to mine in-depth data from individuals to extend healthspan, support anti-aging therapy and work with universities and laboratories to test hypotheses suggested by AI bio-tools.

Rejuve Members all concur the time is now to advance science and play an influential role in the ongoing longevity revolution.

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By leveraging the data and energy of its Founders and Members, Rejuve aims to accelerate progress on the most important applications of modern science and technology: *to halt and reverse human aging.*

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All of us at Rejuve firmly believe that the global healthcare and medical research establishment simply does not make personalized healthspan extension a top priority. Regulators are slow to cut red tape for promising longevity treatments. Limited economic incentives exist to align the interests of researchers,

doctors and patients to share data and find solutions that can cure the aging disease.

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We believe biomedical research bridged with AI technology is the solution to the aging disease problem.

Contemporary clinical and laboratory techniques, aided by AI analytic, simulation and reasoning tools, can make profound progress toward abolition of human aging. Rejuve plans to lead the way by originating and refining new solutions, using AI to expedite discovery of diagnostic tools and anti-aging treatments.

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The exclusive incubator and promoter of the ambitious Rejuve mission is SingularityNet, a Netherlands-incorporated non-profit Foundation that is the world's first and foremost decentralized blockchain platform for AI architects and users.

SingularityNET is perfectly placed to bring its unique set of technology credentials and team to bear on the rejuvenation and regeneration of the human race. Culturally attuned to the possibilities of life extension and a strong believer that aging is a disease that can be cured, SingularityNET is composed of leading independent AI architects and futurists.

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The SingularityNET team has a distinct vision of how to solve the death problem with data science and many of our members have been thinking about super longevity for decades.

For instance, Chief Scientist Dr. Ben Goertzel – whom I introduce later in more detail – is one example. Ben is an AI researcher who has worked with the National Institutes of Health (NIH), a leading medical research center, and the US Centers for Disease Control and Prevention (CDC) in applying AI to critical aspects to Parkinson, Chronic Fatigue Syndrome and Alzheimer research.

To back its technological prowess, Rejuve has created a novel economic logic through the creation of a tokenized data flow framework. The RJV Token incentivizes contributions of data to create personalized longevity plans, monetize member data to forward longevity initiatives and support treatments by funding anti-aging R&D initiatives.

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Actually, it all sounds a lot easier than it is. And, for that reason, I feel this is the right moment to discuss the genesis of Rejuve.

Let me start with my personal trip down the Rejuve path two years ago in the office of my good friend and current Rejuve Chairman, the illustrious Dr. Dominic Man-kit Lam – aka Dr. Dom – God’s gift to anti-aging, chromodeisic painting and very entertaining board meetings.

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Let me give you a snap shot of Dr. Dom. Born in Swatow and bred in Hong Kong, he won the Canadian Centennial Award to study under Nobelists Torsten Wiesel and David Hubel at Harvard

Medical School 50 years ago, just prior to receiving his invitation to teach at Harvard as an energetic 24 year-old neuro scientist.

Two years later, Dominic joined the esteemed Wiesel and Hubel to author “Auto-radiographic demonstration of ocular-dominance columns in the monkey striate cortex by means of trans-neuronal transport”. Dominic is renowned for his work as the Father of both the Houston and Hong Kong biotech industries and Founder of World Eye Organization, a group that has conducted over 250,000 charity eye operations in China alone.

We were discussing how to create a membership network comprised of individuals passionate to participate in human healthspan extension and how to best halt the aging process through partnerships with AI agents, clinics, laboratories, bio data scientists and developers.

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At that moment in walks someone whom I had never met before but who is now a soul brother – Dr. Ben Goertzel, the Father of AGI, Father of Sofia the Robot and Father of Qorxi, a son recently born as the uncle of Ben’s granddaughter.

As Chief Scientist of SingularityNet, the Brazilian-born and Jersey-bred Ben is a three decade practitioner of AI and most passionate about radical health extension. Ben is known to bring his Sofia Robot to meet world leaders – most recently with the President of Malta and Prime Minister of Ethiopia. In his spare time Ben oversees AI hubs in Bangalore, St. Petersburg, Addis Ababa, Hong Kong and Toronto.

At any rate, at that gathering in Dr. Dom’s office and art atelier I was about to hear startling news. According to Dr. Ben, the Rejuve mission was to cure the aging disease, cheat the Grim Reaper, halt involuntary death, and do so with a mix of AI and blockchain wizardry while we calmly await the Singularity.

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You see, the Singularity is an essential part of the equation. But this fact would only become more clear after I read a number of weighty books, including but not limited to Kurzweil's "The Singularity is Near", Bostrom's "Superintelligence", "The God Part of the Brain", Harrari's "Homo Deus" and "The Science Fiction Hall of Fame" Volume 1 and 2.

Now I understand – from a macro perspective at least – the Real Deal. Even though Dr. Ben refuses to admit this to me openly, living forever is all about the Singularity. Cheating the Grim Reaper is all about the moment where machines can think on their own and surpass the intelligence capacity of the human brain. It is expected that multiplying human intelligence by one billions times may indeed provide us with solutions to our most difficult problems.

If all goes as planned over the next 30 to 100 years, Ben and his crowd of decentralized cronies will unleash an increasingly sophisticated level of artificial general intelligence by leveraging Moore's Law to use increasing processing power with AI and blockchain designed data protection and privacy. The emergent result of this trial and error combo of man and super intelligent machine is a new species that may indeed live forever with the support of blood surfing nanobots.

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How does all this fit with the problem of solving death you may ask? Well, that is exactly what I was thinking sitting in Dr. Dom's office cramped with calligraphy and chromodeisic masterpieces. After all, on a personal level I was most interest to understand how to cheat death. As a Canadian-born, 25-year Hong Kong expat running businesses in strange parts of the world, in fact, I am not the model of health I seem to be as I stand here in front of you on this Dubai stage.

Sorry to disappoint you. No, having circled the world over 100 times I have at times made my living drinking bootlegged Chivas whisky playing liar's dice until the early morning with sleepy-eyed Chinese beauties as some tycoon big spender sings "Yesterday" in a lavish karaoke lounge.

After these tours of duty I try to eject the toxic air of the megacities of Asia from my lungs in exotic outdoor, mountainous locations – such as the ski slopes of Kazakhstan or even those of the Emirates Mall. Plus. And, given that my sister is a pre-eminent US wellness doctor I tend to get very good health advice.

Nonetheless, I am intrigued by the solution to death. And, it was at that moment in Dr. Dom's office, over shelled peanuts, almond chocolates, French wine and dumpling soup that I realized one thing – I was the perfect candidate for Rejuve membership – as I am sure many of you are as well.

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Now, let me shift gears back to the topic at hand. Just before I got on today I called Denis Odinokov, our Chief Biomedical Officer, to get more details on how we intend to tackle the death problem. Born in Minsk and educated in Hong Kong over the last decade, Denis is a genius bio-data scientist who takes questions on anti-aging with great seriousness.

Well, what is the inside story to solving death according to Denis? “The problem of aging, you mean?” Denis states in his crisp but efficient Russian manner. Denis went on to tell me a most interesting story that I can relay to you today.

“Aging has only one single cause. An accumulation of intra- and extracellular long-lived macro-molecular stochastic damage which directly causes a cascade of failures that manifest as aging hallmarks,” said the bio-data scientist. “Take the case of the longest living mammals on earth – the whale.”

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Why do whales die? Unlike most humans they do not die from cancer, nor do they die from cardio vascular aging – not at all. They die because as they grow old they go blind. When old whales cannot see anymore they lose the ability to hunt and they starve to death. Basically, small stochastic damages cause an opaque film to form over the whale’s eye lense – which is the size of a dinner plate.

A similar aging process holds true for humans. With age our vascular system and arteries become stiff, our skin becomes less elastic and our cartilage degenerates.

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“The solution to aging comes down to small molecular screening against cross-link proteins...nanobots to replace nucleus pore proteins...and, as a last resort, brain in a jar.”

“Ok,” I answered. “But how does all this anti-aging stuff fit with AI and the blockchain?”

“Take any complex system – a building, a car or a human body. All these systems age and as they do the connection and nodes start to fail.

With the assistance of AI we can discover the essential anti-aging nodes or hubs, and identify how best to support, treat or substitute these health-sustaining hubs.

At the end of the day, AI guided screening of small molecules modeling may truly be the critical response to repair or slow down damage caused by aging. Until then, Rejuve can focus on the way to make the human physiology more tolerant to molecular damages by changes to lifestyle, medication and supplementation.

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As such, Rejuve's first product is a fasting app. Fasting is known to support autophagy, the way that cell's digest its own broken cellular components. The discovery of this autophagy process received a Nobel Prize in 2016.

The initial fasting prototype is part of a complex family of applications designed to support longevity. As Benjamin Franklin once said "The best of all medicine is resting and resting."

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In conclusion, we live in a time of breathtaking medical and scientific advances that stand to radically and dramatically improve the length and quality of our lives. The diseases of old age are being cured and the ability to live a healthy life well beyond 100 years is on the horizon.

The pace of development and practical rollout of these advances is impressive by all historic standards. However, a more concerted effort can push longevity and healthspan extension at a more rapid rate than we are experience now.

Scientifically, the world is experiencing a paradigm shift in aging research. It is more and more accepted that aging may indeed be a curable disease and there is a gradual removal of regulatory barriers that once stopped companies from the development and provision of aging treatments.

This paves the way for an accelerated program of anti-aging interventions. On a larger scale than we have ever seen, this program for aggressive creation of healthspan extension therapies is based on novel research, systems biology, AI, blockchain and other tools.

(Closing Slide)

In pioneering this mindset Rejuve hopes to make a difference.

Thank you for your time today.