

The Future of Human Longevity

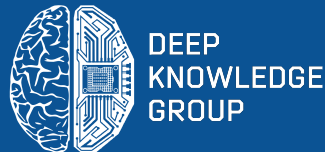
Dmitry Kaminskiy

*Deep Knowledge Group
General Partner*



ECOSYSTEMS
2030

Galicia, Spain, June 2022





www.longevity.network



Financial Activities



Deep Knowledge Ventures



Longevity.Capital



Longevity Financial Advisors



Longevity Card

Analytical Subsidiaries



Aging Analytics Agency



Deep Knowledge Analytics



Deep Pharma Intelligence



COVID-19 Analytics



FemTech Analytics



NeuroTech Analytics



SpaceTech Analytics



Innovation Eye



Future FinTech Analytical Agency



GovTech Analytics



InvestTech Advanced Solutions



Interactive MindMaps

Non-Profit



Deep Knowledge Philanthropy



Swiss Longevity Valley



Longevity International



Longevity Charity



Biogerontology Research Foundation



Deep Knowledge Group Life Sciences Analytical Subsidiaries

**Aging Analytics
Agency**

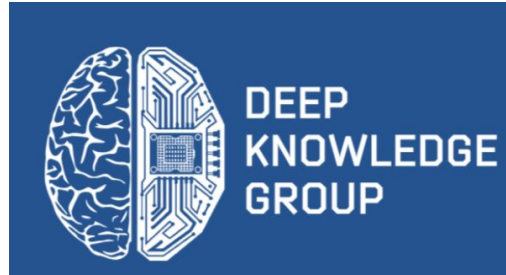
**Deep Pharma
Intelligence**

**NeuroTech
Analytics**

**COVID-19
Analytics**

**FemTech
Analytics**

**SpaceTech
Analytics**



Data Science Driven Financial Corporation
Focus on Knowledge Aggregation
Longevity Industry - Major Priority

My Scientific Godfathers / Year 2013



Health is The New Wealth



- MONEY THERE...

TOP
BILLIONAIRE

NETWORTH

£

€

¥

\$

Making Longevity Industrialization My Life's Work

Aging Analytics Agency

was established in London in 2013

www.aginganalytics.com

Investing in Regenerative Medicine: Technology Analysis and Market Outlook

2014 Report #1



ISBN # 978-0-9912922-1-5

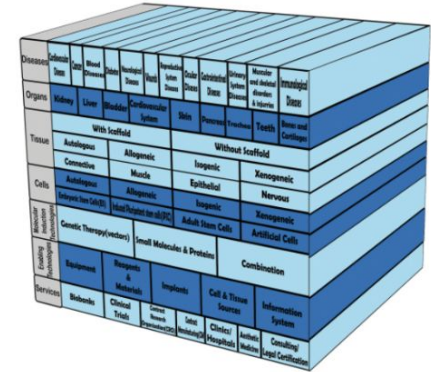
May 2014

Produced by Aging Analytics Agency in 2014

Industry Overview

BIG DATA IN AGING AND AGE - RELATED DISEASES

Produced by Aging Analytics Agency in 2014



Analytical Regenerative Medicine Industry Framework

Produced by Aging Analytics Agency in 2013



Martin Wood Lecture Theatre,
20 Parks Rd,

Oxford

OX1 3PU

15 September, 16:30 to 19:30

21st Century Medicine Forum:

BIG
DATA
SCIENCE IN
MEDICINE



Aubrey de Grey, SENS Research Foundation
Avi Roy, Oxford University Scientific Society
Geoffrey Furlonger, Aging Analytics Agency
Dmitry Kaminskiy, Deep Knowledge Ventures
Joao Pedro De Magalhaes, University of Liverpool
Alex Zhavoronkov, InSilico Medicine
Dr. Gordon Sanghera, Oxford Nanopore

bdsmcongress.org

Dmitry Kaminskiy Presents and Deep Knowledge Group Co-Hosts Big Data Science in Medicine 2014 at Oxford University

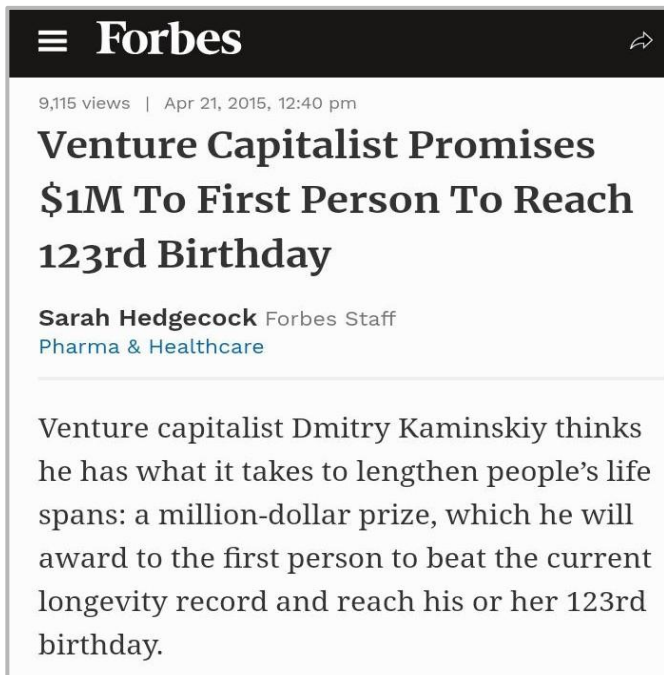


UNIVERSITY OF
OXFORD

\$1 Million Prize for Person to Beat the Current Human Longevity Record

With the aim of getting the ball rolling in the emerging longevity industry, Dmitry Kaminskiy announced a \$1 million prize for the first person to reach the age of 123 - just 6 months longer than the current record holder, Jeanne Calment, who achieved 122 years and 6 months age.

Life record of 122.5 by Jeanne Calment



The image shows a screenshot of a Forbes article. At the top left is the Forbes logo. Below it, the article title is "Venture Capitalist Promises \$1M To First Person To Reach 123rd Birthday". The author is Sarah Hedgecock, Forbes Staff, in the Pharma & Healthcare section. The article text begins with "Venture capitalist Dmitry Kaminskiy thinks he has what it takes to lengthen people's life spans: a million-dollar prize, which he will award to the first person to beat the current longevity record and reach his or her 123rd birthday."

9,115 views | Apr 21, 2015, 12:40 pm

Venture Capitalist Promises \$1M To First Person To Reach 123rd Birthday

Sarah Hedgecock Forbes Staff
Pharma & Healthcare

Venture capitalist Dmitry Kaminskiy thinks he has what it takes to lengthen people's life spans: a million-dollar prize, which he will award to the first person to beat the current longevity record and reach his or her 123rd birthday.





November 2016, London
The Economist Conference Aging Societies
Panel Discussion with Lombard Odier and Generali

Longevity Conferences by Top-Tier Financial Corporations and Brands



Longevity Conferences by Top-Tier Financial Corporations and Brands



AGEING SOCIETIES

Reaping the longevity dividend

Join an audience of 150+ global Business executives
November 29th-30th 2016
St.Pancras Renaissance Hotel
London

THE BUSINESS OF LONGEVITY

Health innovation for an ageing world

October 27th 2017
Hong Kong

Longevity Industry: Multi-trillion Dollar Opportunity

**Longevity, AgeTech &
WealthTech Market**

Globally

1 Billion in Retirement

In the UK

10 Million in Retirement

“The one billion retired people globally are a multi-trillion dollar opportunity for business”

~ Dmitry Kaminskiy, *interview in the Financial Times*



**FINANCIAL
TIMES**

“The global spending power of those aged 60 and over will reach \$15 trillion annually by 2020”

~ Bank of America Merrill Lynch

BANK OF AMERICA



Top-Tier Financial Institutions and Business Analytics Firms Show Interest in Longevity Through Conferences and Reports

CREDIT SUISSE

Credit Suisse featured Health and Aging as one of four main themes in their 2018 Global MegaTrends Conference

Program of the Forum "Investing in Longevity"

Julius Bär Julius Bär

KEY SPEAKER:
Mark Westerburn, Senior Investment Advisor, Julius Baer International Limited

Guest speaker: "5 myths of longevity interventions"
by James Peyer, PhD, Apollo Ventures, Hamburg, Germany

"The Business of Longevity: Landscapes, Investment and Financial Projections"
by Dmitry Kaminskiy, Deep Knowledge Ventures

Julius Baer held a major forum on the topic of "Investing in Longevity" featuring a keynote presentation by Aging Analytics Agency Founder Dmitry Kaminskiy

Julius Bär

EXTENDED LONGEVITY

SHIFTING LIFESTYLES 4 min
Do we really want to live forever?

SHIFTING LIFESTYLES 3 min
Longevity: How to make the most of the extra years



UBS featured "Living to 150" as one of six major topics in their 2018 Healthcare Summit, featuring a keynote presentation by prominent Longevity entrepreneur Alex Zhavoronkov

UBS

UBS Investor Watch

The century club

The rising prospect of living ten decades

UBS

UBS Investor Watch

80 is the new 60

Retirement is one word, but **three phases**

UBS also issued a report on the "largest survey of wealth investors in the world to date", concluding: "Don't let skepticism about living to 100 keep you from planning for it. Life expectancies are rising, and it's a real possibility. In fact globally, nine in 10 investors are already adjusting how they are planning for their life and their legacy."

Citi GPS

DISRUPTIVE INNOVATIONS VI

Ten More Things to Stop and Think About

Anti-Aging Medicines

Advancing Health by Turning Back Time **citi**

CitiBank released a landmark report detailing the rise of the Longevity Industry, and highlighting it as one of the quickest-rising sectors being driven by disruptive innovation today.

ANTI-AGING THERAPIES AND SERVICES MARKET

- TRENDS AND GROWTH OPPORTUNITIES, FORECAST TO 2022

FROST & SULLIVAN

Frost and Sullivan also released two prominent reports on the emerging Longevity Industry, and in 2018 created the "Award for Innovation in Artificial Intelligence for Aging Research and Drug Development"

2017-2019 was a period of massive on-boarding of the topic of Longevity by top-tier financial corporations and brands, with numerous conferences on the Longevity Industry by The Economist, Financial Times, Deloitte, Julius Baer, UBS and others

FINANCIAL TIMES LIVE

12:10pm Aging and Longevity

Dmitry Kaminskiy, Co-Founder and Senior Partner, *Deep Knowledge Ventures*

Alex Zhavoronkov, CEO, *Insilico Medicine*

Joseph Antoun, Chairman & CEO, *L-Nutra* ; Chairman, *Global Healthspan Policy Institute*

Aubrey de Grey, Vice President of New Technology Discovery, *AgeX Therapeutics*

Program of the Forum “Investing in Longevity”

Julius Bär

Julius Bär

KEY SPEAKER:

Mark Winterburn, Senior Investment Adviser, Julius Baer International Limited

Guest speaker: “5 myths of longevity interventions”
by James Peyer, PhD, Apollo Ventures, Hamburg, Germany

“The Business of Longevity: Landscape, Investment and Financial Projections”
by Dmitry Kaminskiy, Deep Knowledge Ventures

Julius Baer Bank Forum “Investing in Longevity”



Dmitry Kaminskiy

**Deep Knowledge Ventures
Aging Analytics Agency**



6th December 2018, London

International Longevity Policy Activities

Dmitry Kaminskiy provided the initial financial and organizational support for the formation of the UK All-Party Parliamentary Group for Longevity (the world's first Longevity-focused parliamentary group) and Served as a Co-Founder of the APPG Secretariat from 2019-2021



Official Launch All-Party Parliamentary Group for Longevity
House of Lords, London, UK



All Party Parliamentary Group for Longevity Inaugural Meeting
House of Lords, London, UK

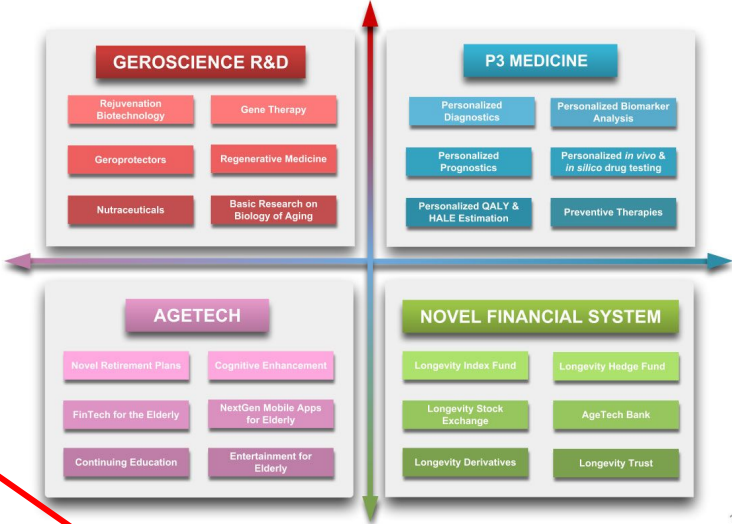
Aging Analytics Agency was the First to Formulate in 2018 the Term 'Longevity Industry'

Longevity Industry Landscape Overview 2018
Volume I: The Science of Longevity

Download Report

Longevity Industry Landscape Overview 2018
Volume II: The Business of Longevity

Download Report

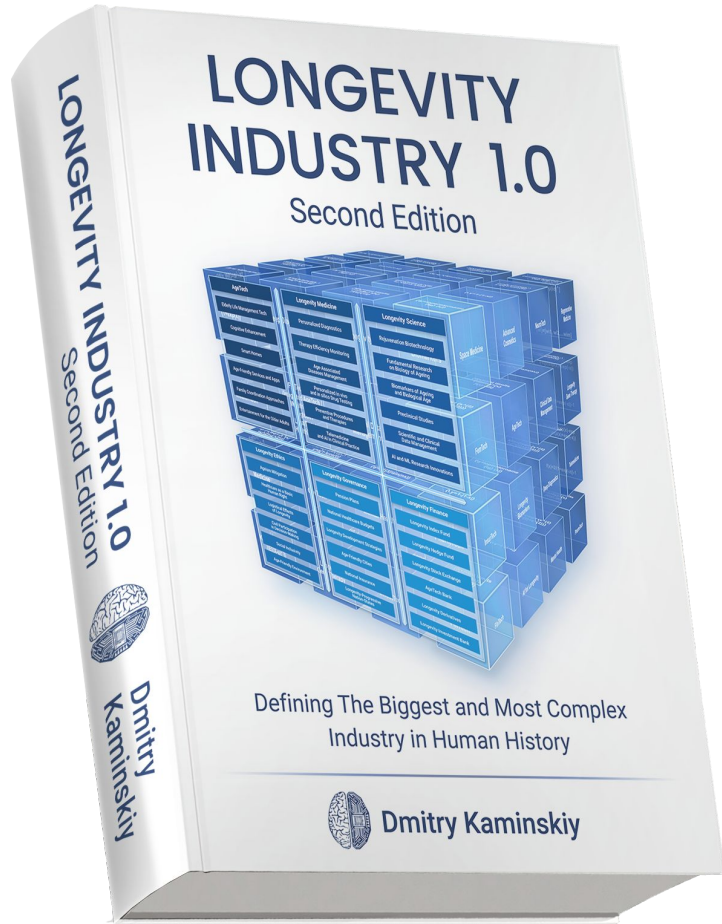


Deep Knowledge Group’s work toward creating a truly comprehensive, actionable and relevant Longevity Industry Framework began in earnest through the release of its first formal industry framework in 2017/2018 through the publication Aging Analytics Agency’s 1000+page *Longevity Industry Landscape Overview 2018* ([Volume I: The Science of Longevity](#) and [Volume II: The Business of Longevity](#)),

Defining the Longevity Industry for the First Time

The screenshot shows the SpringerLink interface for the article 'Longevity Industry'. At the top left is the SpringerLink logo. Below it, the title 'Encyclopedia of Gerontology and Population Aging' is displayed in a dark blue header, with 'Living Edition | Editors: Danan Gu, Matthew E. Dupre' underneath. The article title 'Longevity Industry' is centered below the header. To the right of the article title is a red 'Springer Reference LIVE' badge with a white downward arrow. Below the article title, there are two tabs: 'Authors' and 'Authors and affiliations', with the latter being selected. Under 'Authors', three authors are listed: Franco Cortese (1), Kate Batz (2), and Ian Inkster (3). Under 'Authors and affiliations', three affiliations are listed: 1. Aging Analytics Agency, Toronto, Canada; 2. Aging Analytics Agency, New York, USA; 3. Aging Analytics Agency, Biogerontology Research Foundation, London, UK. At the bottom left, it says 'Living reference work entry', 'First Online: 18 March 2020', and 'DOI: https://doi.org/10.1007/978-3-319-69892-2_1117-1'. At the bottom center, there is a circular icon with the number '71' and the word 'Downloads' below it. At the bottom right, the Springer logo is visible.

Aging Analytics Agency also contributed the **official definition** and entry of the '[Longevity Industry](#)' in the [Encyclopaedia of Gerontology and Population Aging](#), the world's largest and most definitive encyclopaedia on aging and Longevity compiled and edited by Danan Gu (**Population Division of the United Nations**, Department of Economic Social Affairs Population Division, New York USA).



LONGEVITY INDUSTRY 1.0 *Second Edition*

**Defining the Biggest and Most Complex
Industry in Human History**

www.longevity-book.com/one

Most Comprehensive Longevity Industry Framework 2021

Longevity Science	
Rejuvenation Biotechnology	Basic Research on the Biology of Aging
Geroprotectors	Regenerative Medicine
Nutraceuticals	Gene Therapy

Longevity Medicine	
Personalized Diagnostics	Personalized HALE and QALE Estimation
Personalized Prognostics	Personalized In Vivo and In Silico Drug Testing
Preventive Therapies	Participatory Medicine

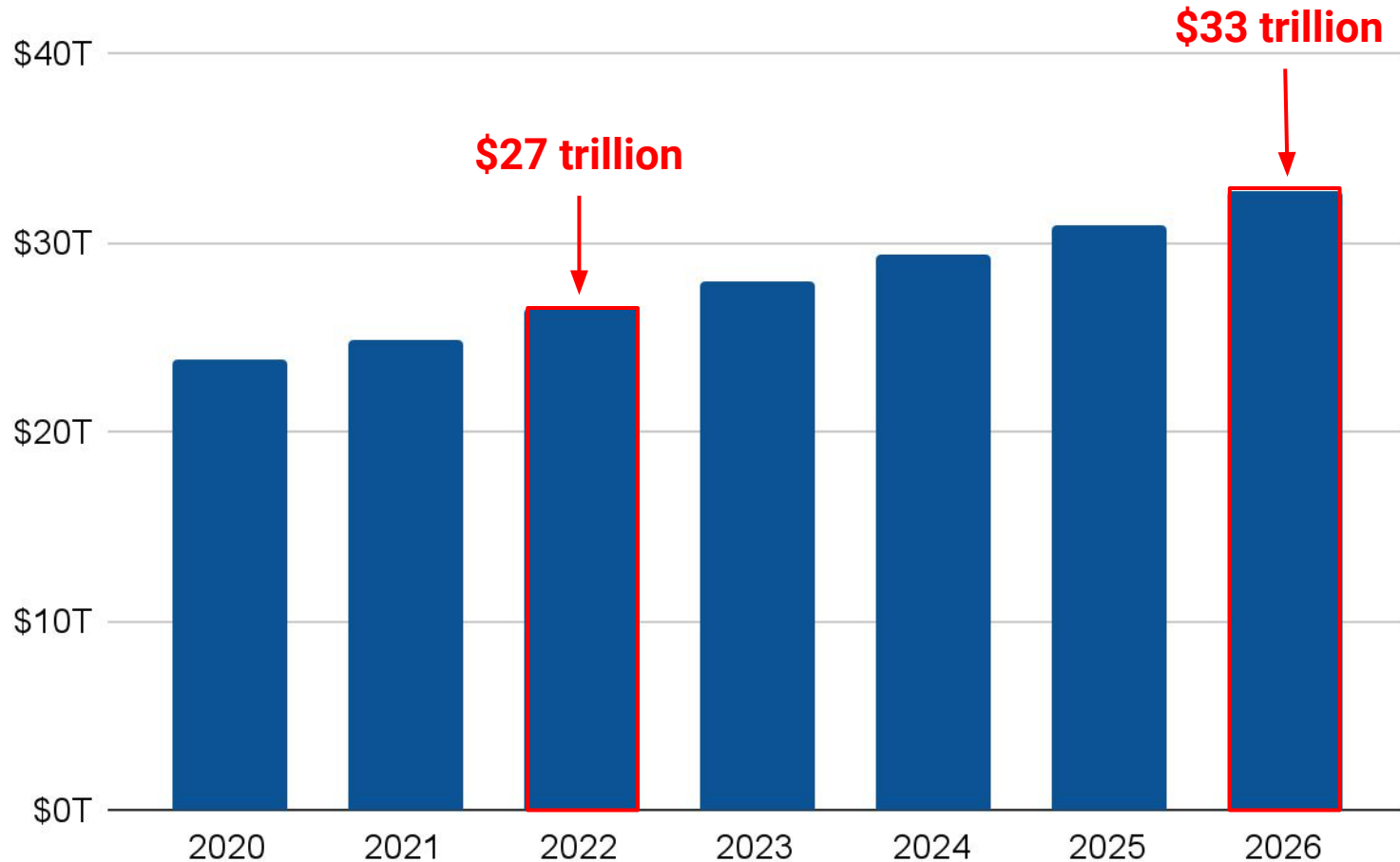
AgeTech	
NeuroTech	Cognitive Enhancement
Smart Homes	NextGen Mobile Apps for the Elderly
Continuing Education	Entertainment for the Elderly

Longevity Finance	
Longevity Index Fund	Longevity Hedge Fund
Longevity Stock Exchange	AgeTech Bank
Longevity Derivatives	Longevity Investment Bank

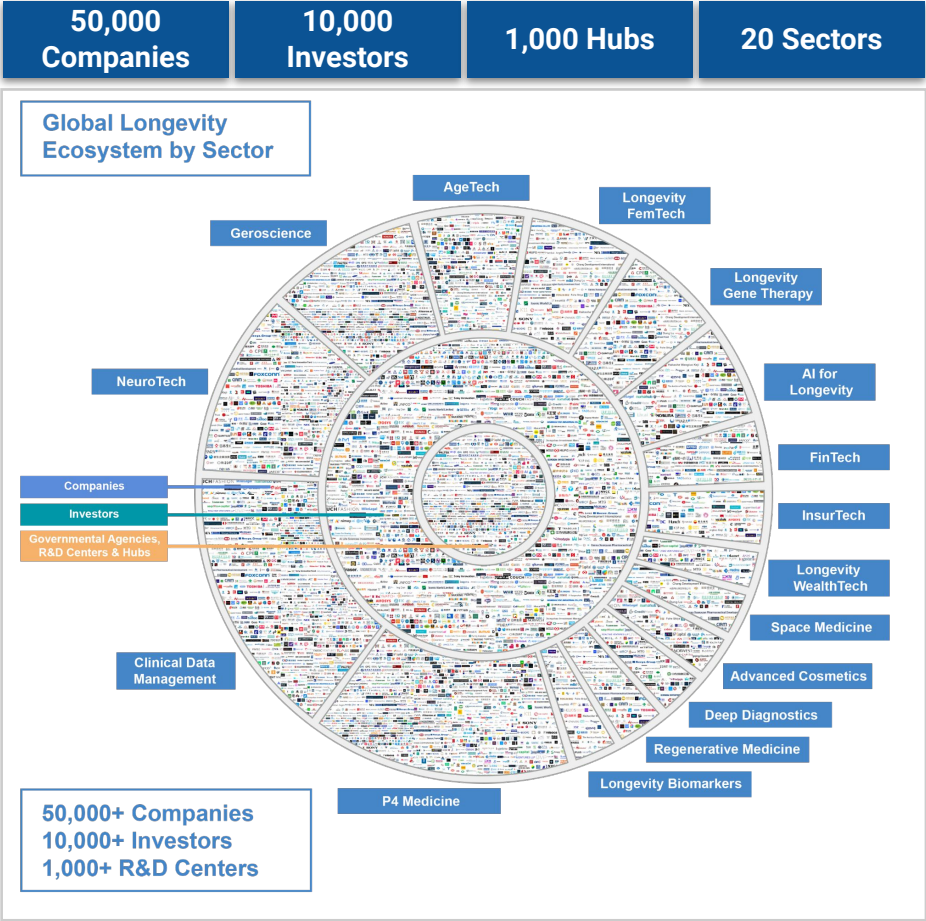
Longevity Governance	
Pension Plans	National Healthcare Budgets
Longevity Development Strategies	Elderly Care Programs
National Insurance	Elderly Education

Longevity Ethics	
Agism Mitigation	Civil Participation
Logistical Effects of Longevity	Age-friendly Environment
Social Inclusivity	Healthcare as a Basic Human Right

The Global Longevity Economy Scale Projection



Deep Knowledge Group Owns the Largest Longevity Industry Database in the World



USA	UK
Canada	India
Japan	China
Sweden	Germany
Switzerland	Spain
CEE*	Singapore
Portugal	France
Brazil	Australia
MENA Region	EU

Global Longevity Ecosystem - 50 000 Companies

Longevity Science



Longevity WealthTech



Space Medicine



Deep Diagnostics



Longevity Biomarkers



FinTech



Longevity FemTech



Regenerative Medicine



AI for Longevity



InsurTech



Advanced Cosmetics



Longevity Gene Therapy



NeuroTech



Longevity Medicine



PharmTech



AgeTech



Clinical Data Management



Wellness & Fitness



Mental Health



Telemedicine



www.longevity.international/global-longevity-ecosystem

Regional Distribution of the Longevity Industry

Global Longevity Ecosystem 2022



Subsector Distribution of the Longevity Industry



www.longevity-journal.info

email: contact@longevity-journal.info

Longevity Industry 2022 Journal

Science and Medicine
Financial Industry and Investments
Governance and National Healthcare Systems



www.longevity-journal.info



www.aginganalytics.com


www.longevity.international


www.dkv.global

www.longevity-journal.info

Longevity Investment Big Data Analytics AI-driven System and Dashboard



AGING ANALYTICS AGENCY

Team Conferences About Contact

Longevity Investment Big Data Analytics Dashboard

Search for Organizations ...

Analyst

Longevity Investment Dashboard

Dashboard

Longevity Investment Big Data Analytics Dashboard

Custom Dashboards

+ Add Dashboard

Lists

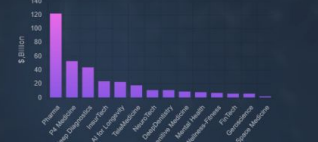
- Companies
- Investors
- Financial Institutions
- Funding Rounds

Tools


- Detailed Analysis
- Comparison
- Mindmaps
- Network Diagrams
- Portfolio Constructor
- Predictions

Longevity Investment Big Data Analytics Dashboard


Pre-IPO Investment in Longevity by 2021: \$353B



Industry SWOT Analysis



52k Longevity Companies by Country




US Average: 07.7	UK Average: 10.7
Canada Average: 4.0	India Average: 2.9

US UK Canada India

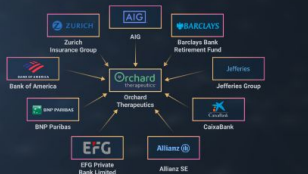
Longevity Finance Industry Landscape



World Longevity Economy Projections, T\$



Network Diagrams



52971 Companies

8747 Investors

345 AI Companies

536 Financial Institutions

1629460 Indicators

Version: 10.6

www.deep-innovation.tech

Longevity Publicly Traded Companies Big Data Analytics Dashboard



www.deep-innovation.tech

Longevity Investment Dashboard Platform Features Overview

Deep Knowledge Group **dashboard platform** analyzes millions of **data points** on **investors, public & private companies** including **startups**, sectors & subsectors and provides **tools of swot analysis, competitors, comparative analysis, portfolio construction, mindmaps, statistics** to help you analyze **opportunities**.

50,000+
Companies

10,000+
Investors

160+
Subsectors

DKG Dashboards Tools

Portfolio Constructor

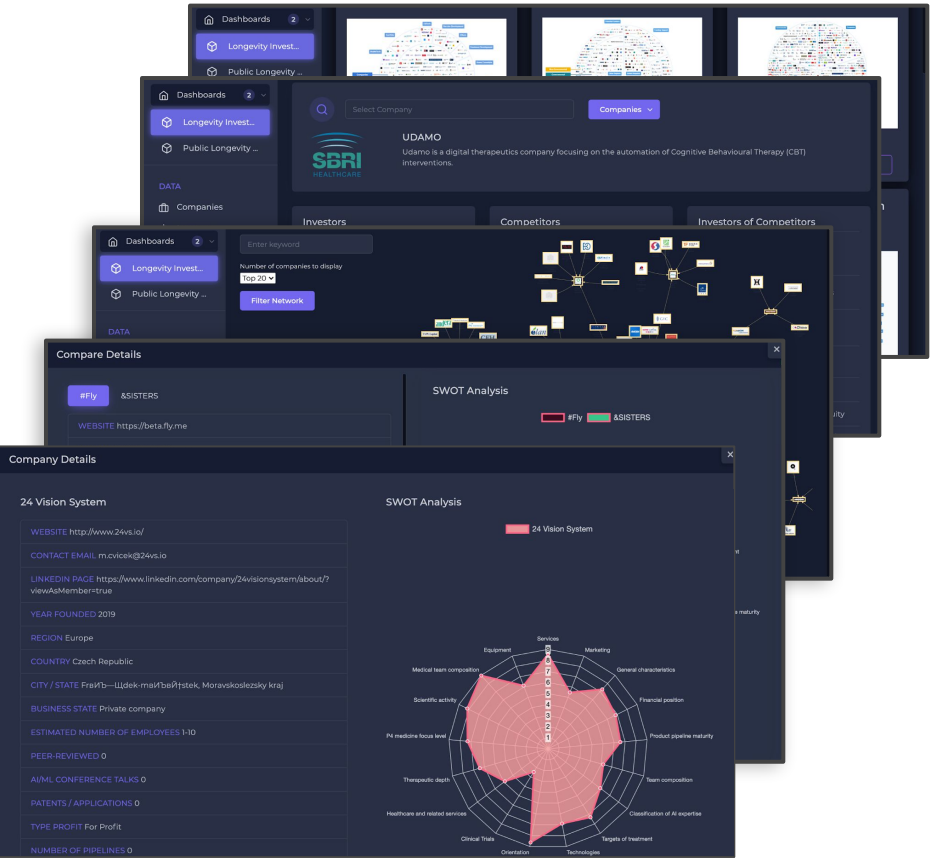
Competitors

Comparative Analysis

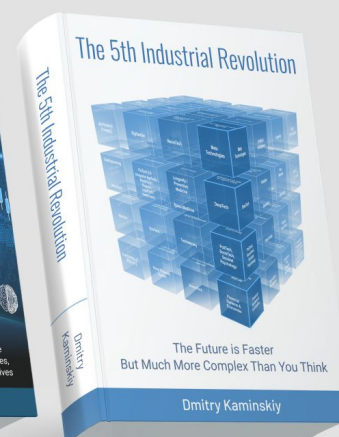
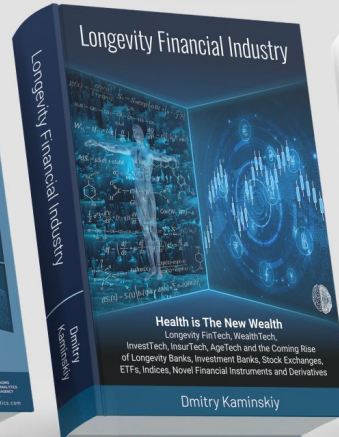
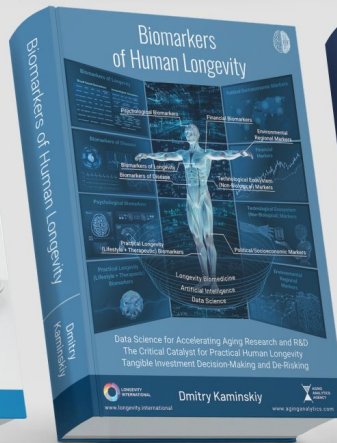
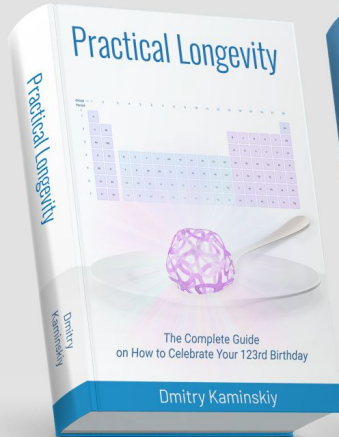
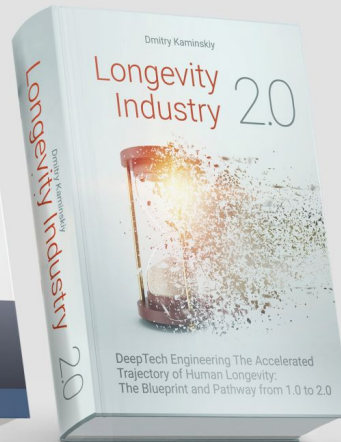
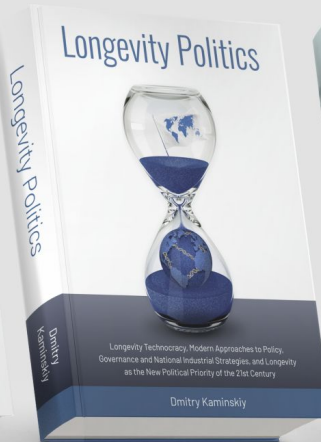
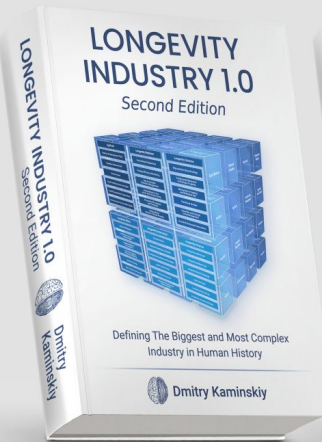
Network Diagrams

Mindmaps

Statistics



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Biomarkers of Human Longevity



Data Science for Accelerating Aging Research and R&D
The Critical Catalyst for Practical Human Longevity
Tangible Investment Decision Making and De-Risking



www.longevity.international

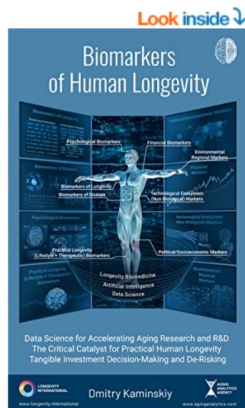
Dmitry Kaminskiy



www.aginganalytics.com

www.longevity-book.com

www.longevity-book.com/biomarkers



Biomarkers of Human Longevity: Data Science for Accelerating Aging Research and R&D The Critical Catalyst for Practical Human Longevity Tangible Investment Decision Making and De-Risking

Kindle Edition

by Dmitry Kaminskiy (Author) | Format: Kindle Edition

[See all formats and editions](#)

Kindle
\$20.00

Paperback
\$50.00

Read with Our **Free App**

1 New from \$50.00

There is perhaps no other single technology or industry subsector, with the exception of AI, that has more potential to accelerate the realization of real-world impacts in Longevity across the full scope of its sectors and domains - industry, policy, investment, entrepreneurship, policy, and governance - than Biomarkers of Human Longevity.

- **Data Science for Accelerating Aging Research and R&D**
- **The Critical Catalyst for Practical Human Longevity**
- **Tangible Investment Decision-Making and De-Risking**

Longevity Biomarkers Landscape Q1 2022

AI Biomarkers

Companies - 300
Investors - 495
R&D Centres - 235
Non-Profits - 7

Digital Biomarkers

Companies

Investors

R&D Centres

Non-Profits

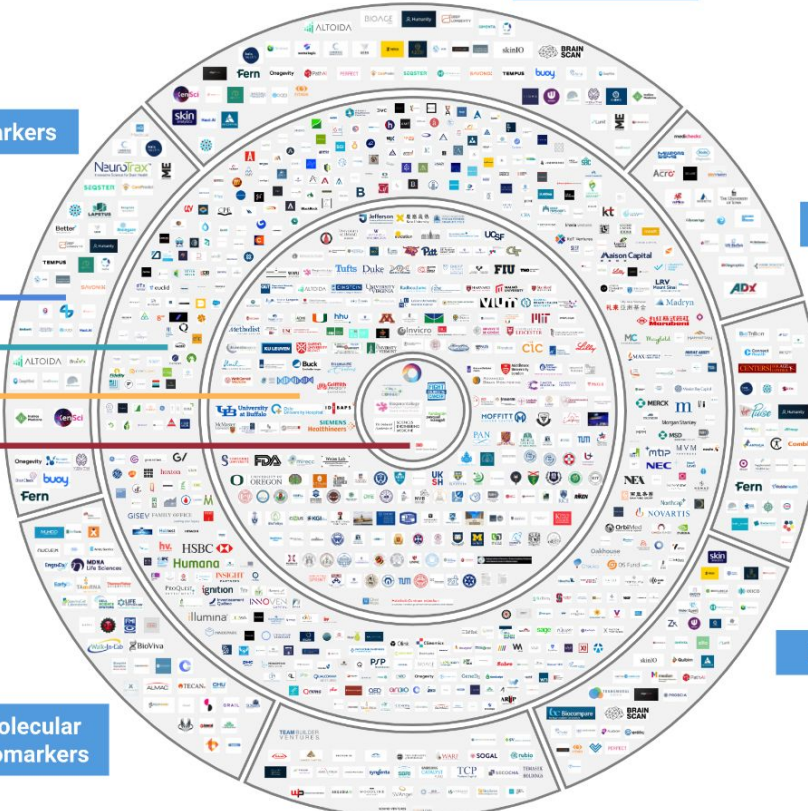
Systemic Biomarkers

Physiological Biomarkers

Imaging Biomarkers

Molecular Biomarkers

Omic-based Biomarkers



Longevity Biomarkers Ecosystem

Interactive Mindmap

The Interactive Mindmap displays a central hub with various biomarker categories radiating outwards. The categories include: Digital Biomarkers, Systems Biomarkers, Physiological Biomarkers, Imaging Biomarkers, Deep-Sensor Biomarkers, Molecular Biomarkers, Genomics, Proteomics, and Metabolomics. A legend on the left identifies the categories: Companies (blue), Investors (orange), and Non-Profit (red).

[View More](#)

Full Report

Longevity Biomarkers Landscape Overview

Q4 2021

October 2021

The cover of the report features the Longevity International logo, the Aging Analytics Agency logo, and the Deep Knowledge Group logo. The website address www.longevityinternational.com is also visible.

[View More](#)

Longevity Biomarker Conferences

Longevity Biomarker Conferences

The cover features the Aging Analytics Agency logo and the Longevity International logo.

[View More](#)

Static Mindmap

Longevity Biomarkers Landscape Q4 2021

The Static Mindmap provides a detailed view of the longevity biomarkers landscape. It includes a legend for the report: Companies - 300, Investors - 495, and Non-Profit - 7. The Aging Analytics Agency logo is also present.

[View More](#)

Dynamic Graphs and Charts

Immunological Biomarkers - Conditional Stage

Category	Percentage
Automated	13%
Point of Care	9%
Research	19%
Other	59%

Immunological Biomarkers - Approved for

Category	Percentage
Diagnostic	19%
Informational	23%
Prognostic	58%

[View More](#)

Longevity Biomarkers and Financial Industry

Longevity Biomarkers and Financial Industry

The cover features a DNA double helix graphic and the Longevity International logo.

[View More](#)

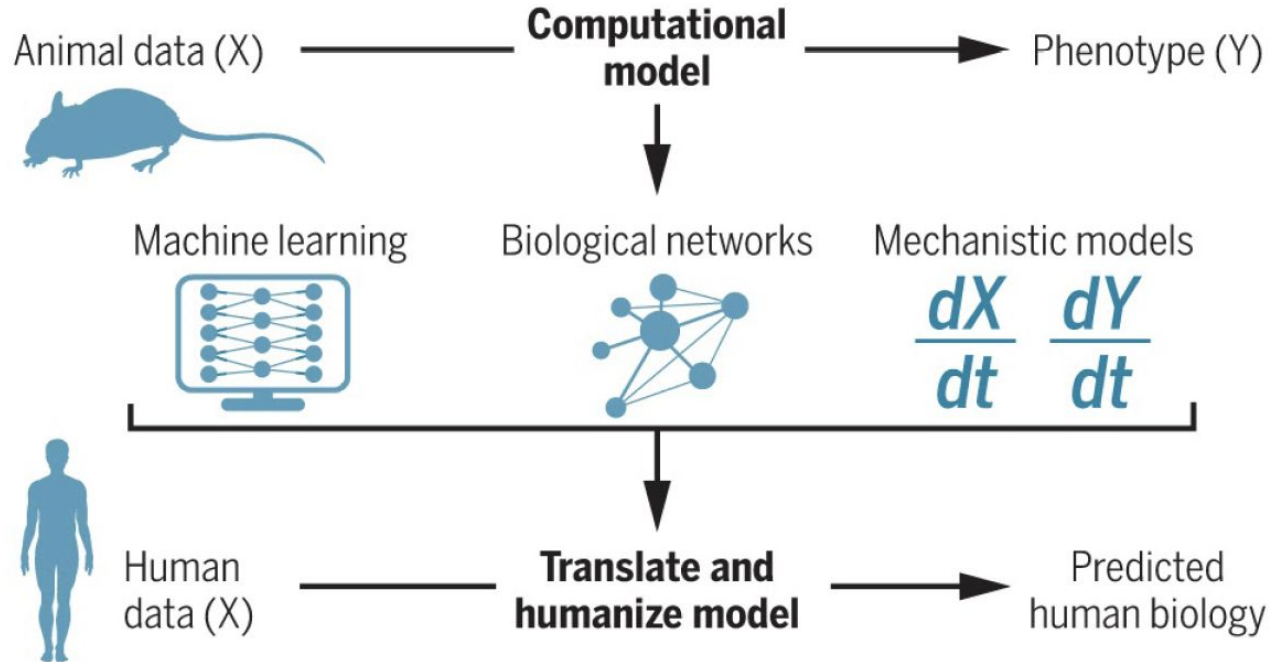
- What if Geroscience based on mice experimental model fails to deliver?
- Let's separate hype related to mice life extension from reality of Human Longevity in a tangible rational mode



Mice vs. Men: The Rise and Risk of Longevity Hype

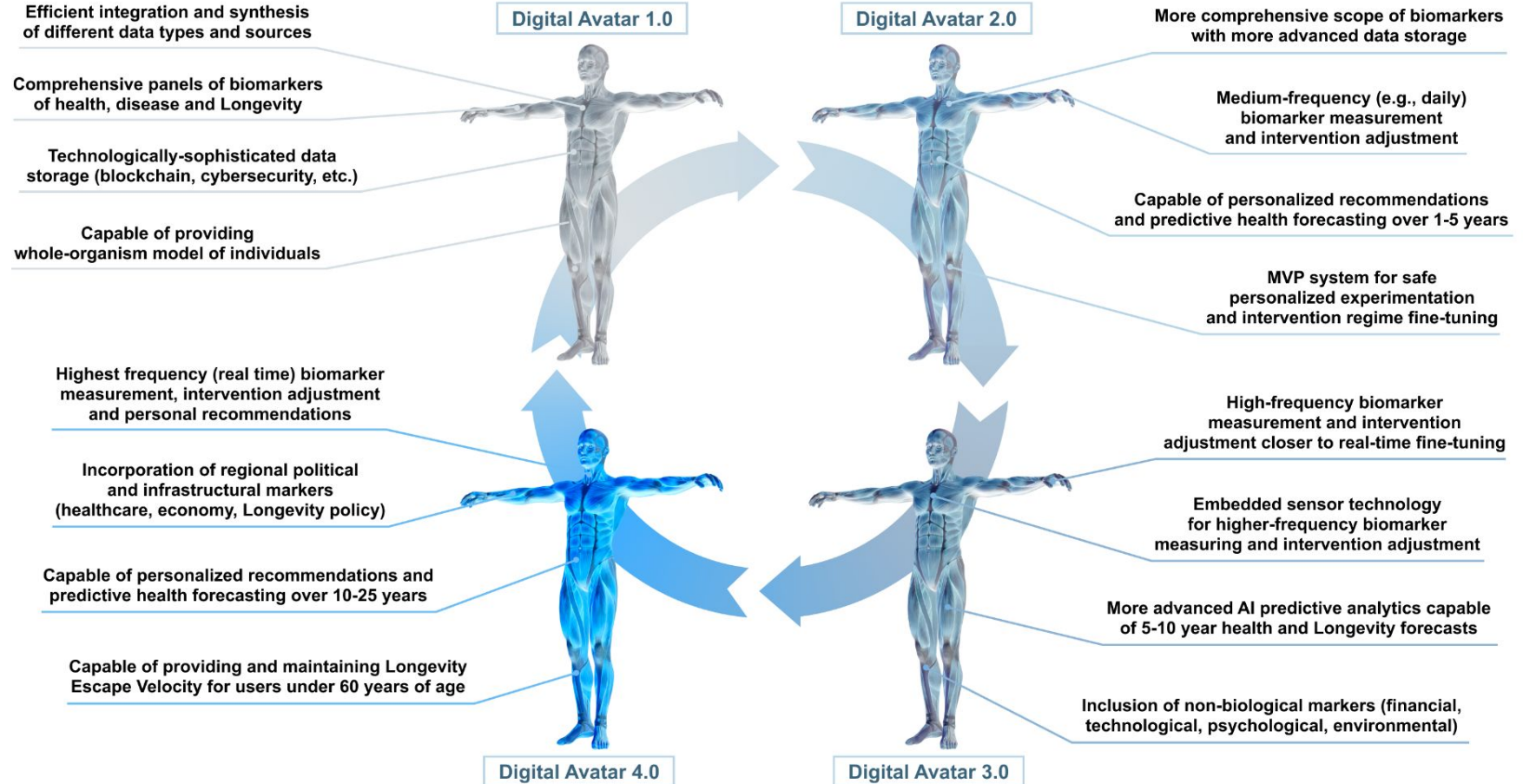
Systems model-based cross-species translation

Translating computational systems models of molecular (X) to phenotypic (Y) associations from animal models to humans provides a powerful framework for translating therapeutic concepts from preclinical to clinical stages.



Source: [Translating preclinical models to humans](#)

Digital Human Avatar Framework: 1.0, 2.0, 3.0 and 4.0



Practical Longevity

- **Life Extension**
- **Enhanced Performance**
- **Extension of Healthy Productive Period of Life**

**Preventive
Predictive
Personalized
Longevity Medicine**

Ultimate Goal - Precision Health

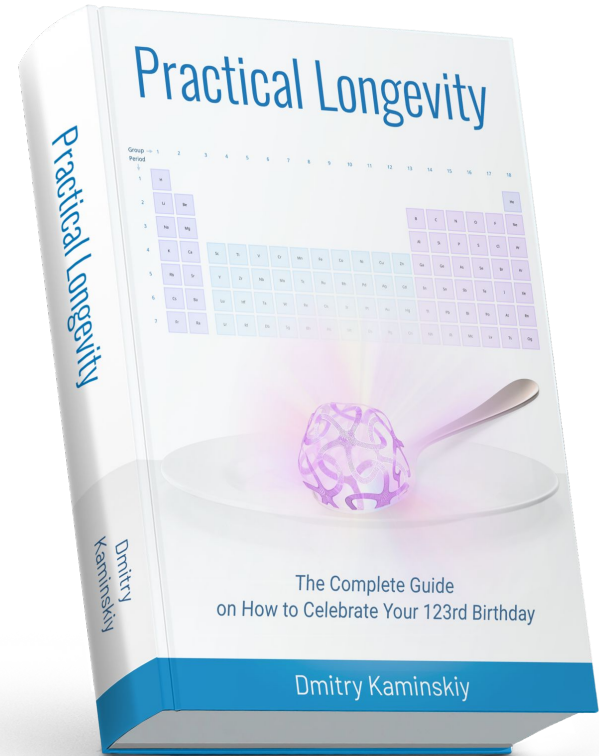
Longevity Escape Velocity

Proprietary Analytics: Practical Longevity

The Complete Guide on How to Celebrate Your 123d Birthday

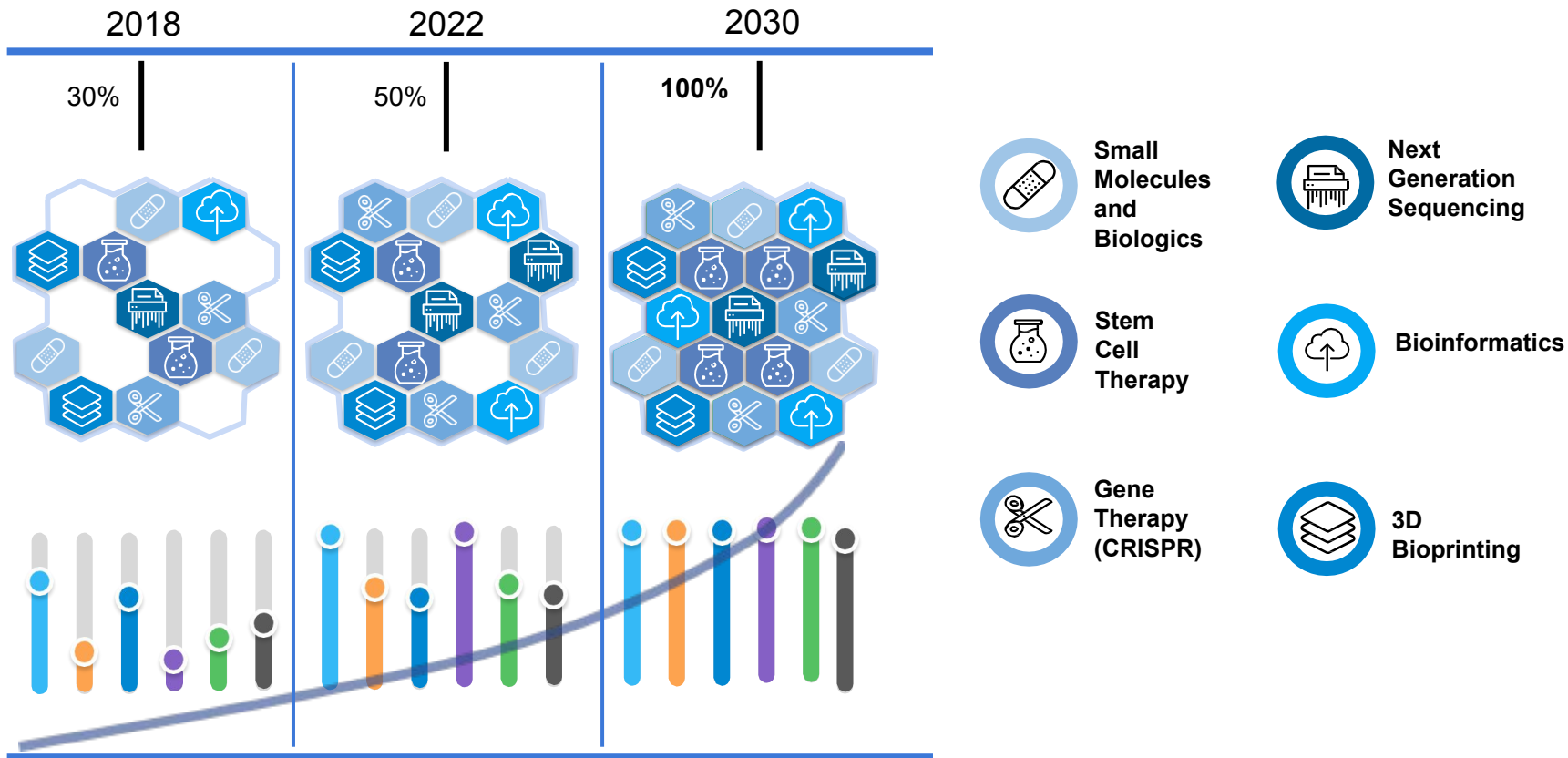
Practical Longevity Book Features

- Practical Longevity Book is divided into **5 qualitative layers**, increasing in levels of effectiveness (in terms of Practical Longevity), and technological sophistication.
- Each of the **5 layers** include technical add-ons containing practical recommendations on how to behave in specific situations in order to move to the next Longevity layer.

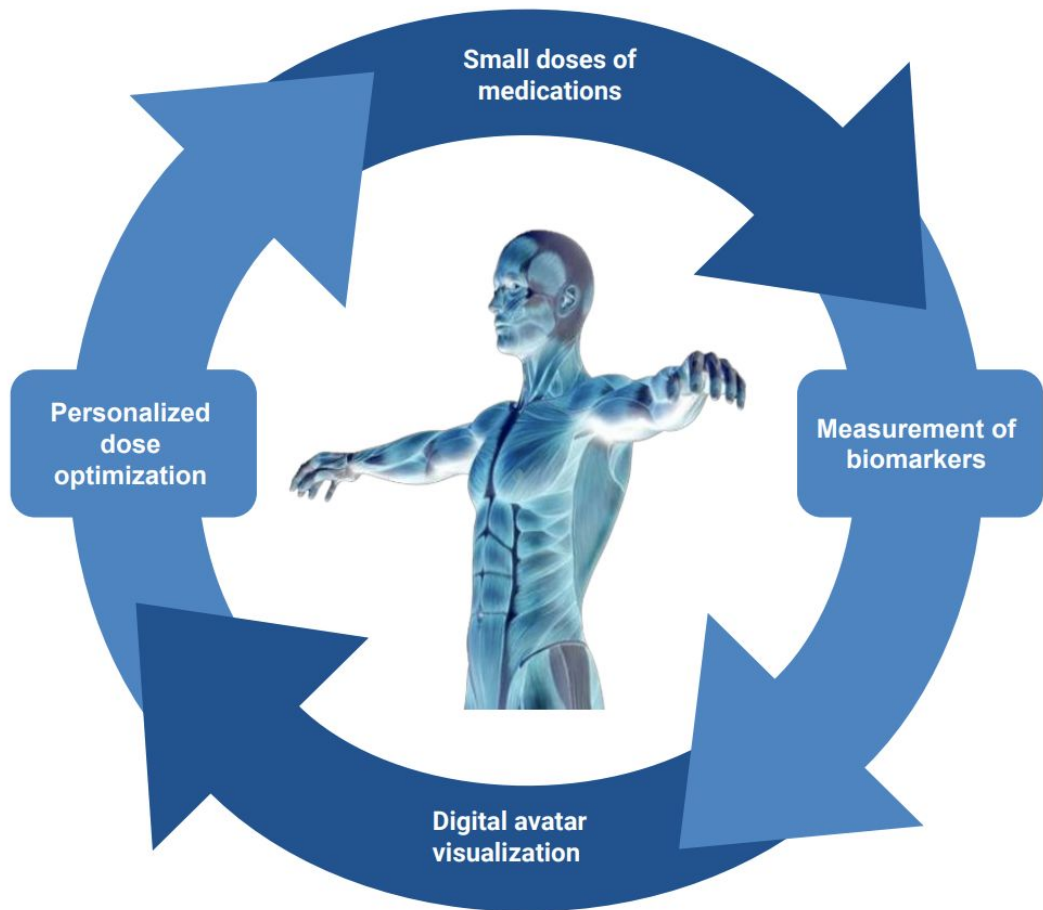


www.longevity-book.com/practical-longevity

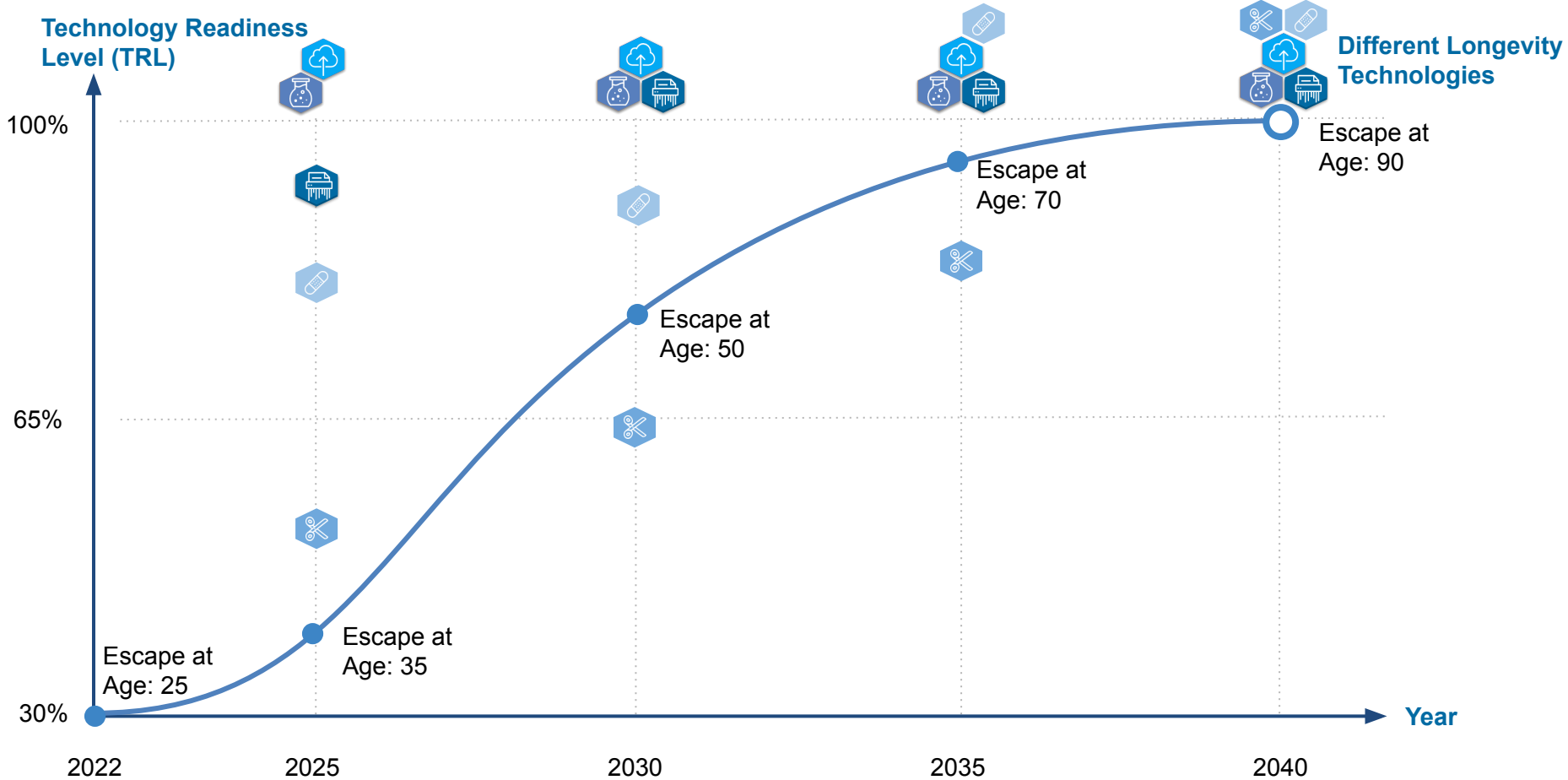
De-Risking Longevity Investments via Technology Readiness Levels (TRLs) and Tangible Validated Forecasting of Market Readiness



Achieving Longevity Escape Velocity by 2030



Longevity Escape Velocity at Different Biological Age Landmarks



Practical Longevity

Intermittent Hypoxic Training - Key Technology

Scientifically validated and practically proven method to:

- enhance performance for olympic champions
- prepare austronauts for the space flight
- prepare professional alpinist
- efficient rehabilitation after Covid-19
- eliminate dysfunctional mitochondria and senescent cells
- rejuvenate mitochondria and cells
- improve cognitive function in young and elderly

Intermittent Hypoxic Training - Key Technology



Source: [Aviv Clinics](#)

3-months course of
Hyperbaric Oxygen
Therapy
in Aviv Clinics

Hyperbaric oxygen therapy increases telomere length and decreases immunosenescence in isolated blood cells : a prospective trial

Yafit Hachmo^{1,*}, Amir Hadanny^{2,3,4,*}, Ramzia Abu Hamed¹, Malka Daniel-Kotovsky², Merav Catalogna², Gregory Fishlev², Erez Lang², Nir Polak², Keren Doenyas², Mony Friedman², Yonatan Zemel², Yair Bechor², Shai Efrati^{1,2,3,5}

ABSTRACT

Introduction: Aging is characterized by the progressive loss of physiological capacity. At the cellular level, two key hallmarks of the aging process include telomere length (TL) shortening and cellular senescence. Repeated intermittent hyperoxic exposures, using certain hyperbaric oxygen therapy (HBOT) protocols, can induce regenerative effects which normally occur during hypoxia. The aim of the current study was to evaluate whether HBOT affects TL and senescent cell concentrations in a normal, non-pathological, aging adult population.

Methods: Thirty-five healthy independently living adults, aged 64 and older, were enrolled to receive 60 daily HBOT exposures. Whole blood samples were collected at baseline, at the 30th and 60th session, and 1-2 weeks following the last HBOT session. Peripheral blood mononuclear cells (PBMCs) telomeres length and senescence were assessed.

Results: Telomeres length of T helper, T cytotoxic, natural killer and B cells increased significantly by over 20% following HBOT. The most significant change was noticed in B cells which increased at the 30th session, 60th session and post HBOT by 25.68%±40.42 (p=0.007), 29.39%±23.39 (p=0.0001) and 37.63%±52.73 (p=0.007), respectively.

There was a significant decrease in the number of senescent T helpers by -37.30%±33.04 post-HBOT (P<0.0001). T-cytotoxic senescent cell percentages decreased significantly by -10.96%±12.59 (p=0.0004) post-HBOT.

In conclusion, the study indicates that HBOT may induce significant senolytic effects including significantly increasing telomere length and clearance of senescent cells in the aging populations.

Aviva Clinic in Israel published a paper in late 2020 claiming to have achieved human healthspan extension via Hyperbaric Oxygen Therapy.

They demonstrated this via 2 specific biomarkers, increasing telomere length by 20% and a ~35% clearance of senescent immune cells.

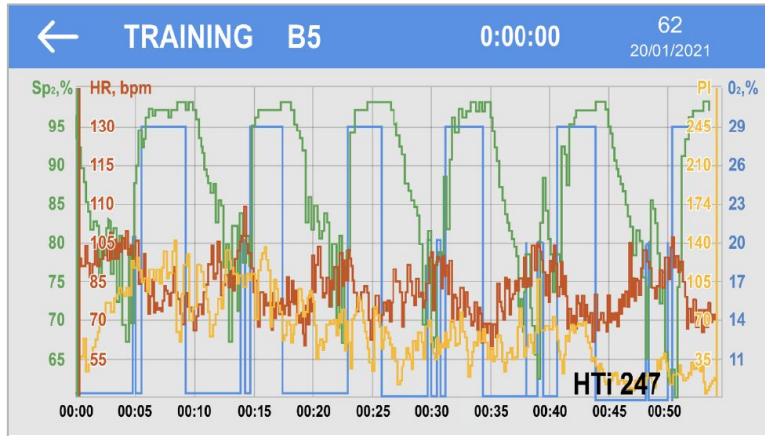
IHHT - Intermittent Hypoxic-Hyperoxic Training (Mitopro)

Portable, user-friendly equipment.
May be used at home as a high-tech wellness option.



Longevity Personal Trainings

While my highest result to date was an HTI of 819, typically I am doing intensive trainings in the range of 300-500 HTI, which is a standard level for professional alpinist, high-performance athletes and marathon runners, and in a more relaxed daily mode I am doing trainings in the range of 170-250 HTI.



More on this topic could be found in my new book "Practical Longevity".

www.longevity-book.com/practical-longevity

My personal result

Longevity Escape Velocity



2022

My chronological age: 46
My biological age: 45

2030

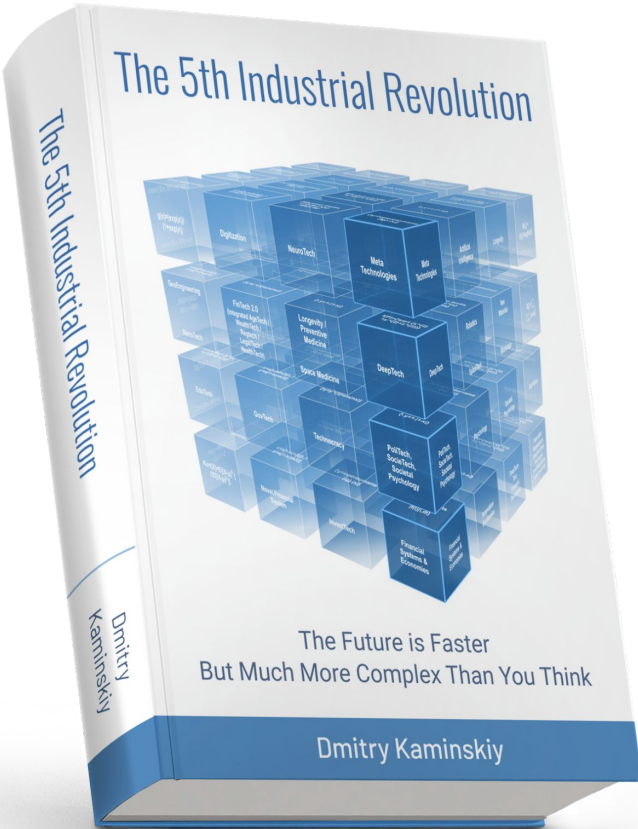
Longevity Escape Velocity

My chronological age: 54
My biological age: 50

2040

My chronological age: 64
My biological age: 34

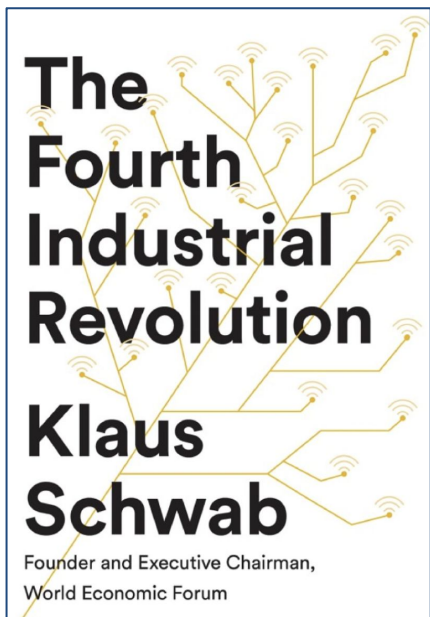
Defining the 5th Industrial Revolution



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The 5th Industrial Revolution

*Future is Faster
But Much More Complex Than You Think*



Evolution of DeepTech

DeepTech 1.0

LegalTech

Electronic discovery of ESI Legal billing
Legal Chat Bots

WealthTech

Digital brokers Portfolio management tools
Virtual Ledgers

Cognitive Services

Common sense modelling (CSM) Context-based interpretation
Natural language generation processing

Advanced Materials

Nanoparticulate materials Carbon nanotubes

Security Technologies

Hardware Authentication IoT security

Bioinformatics

Pharmacogenomics Auto image analysis
Epigenome Sequence analysis

RegTech

RegTech AML solutions Storage of customers' due diligence data

Gene Therapy

Dendrimers Cell-penetrating peptides
Adenoviruses

DeepTech 2.0

LegalTech

Online dispute resolution tools (ODR)

WealthTech

Robo-advisors Distributed ledger technology (DLT)
Robo-retirement

Cognitive Services

Reversed Time Attention Model (RETAIN) Layer-wise Relevance Propagation (LRP)

Advanced Materials

Nanoclay and Nylon 3D Graphene
Amorphous metals Aerogel

Security Technologies

Zero-Trust Model Quantum Cryptography
Biocybersecurity

Bioinformatics

Mitointeractome Omics for drug discovery
Auto sin. cell data analysis DL drug discovery

RegTech

AI-driven analytical regulatory reports Data-lake-based architecture for reporting

Gene Therapy

Injection of naked DNA TALEN
Gene gun shRNA therapy

4th Industrial Revolution

5th Industrial Revolution

5th Industrial Revolution Technological Framework

Meta Technologies

AI-, DL-, and ML-driven technologies

Digitization
(Digital Economy)

Longevity

NeuroTech

DeepTech

Nanotech

LegalTech

Wealth Tech

New Materials

Security

Bioinformatics

Reg Tech

GeoEngineering

Energy Technologies

Communication &
Cognitive Services

Robotics

Agricultural Tech

Gene Therapy

Transportation

IoT

SpaceTech

Blockchain

Integrated AgeTech

HealthTech

Space medicine

Regeneration
Technologies

Waste Management

PoliTech, SocieTech & Societal Psychology

GeoPolitics

Societal Psychology

Technocracy

EduTech

GovTech

Patient monitoring and care

Patients Experience

Financial Systems & Economies

Novel Financial System

Innovation Economics

InvestTech

DeepTech-Tied Financial
Derivatives

Innovation Economics

AI-based Personalized
healthcare plans

RFID tagging

AI driven Telehealth

Financial Commoditization of DeepTech and Longevity

The inevitable rise of DeepTech as a new asset class

Arabian
Business



At Deep Knowledge Group we have been working on developing and deploying solutions such as Longevity, FinTech, SpaceTech, HealthTech, GovTech, InvestTech. We have established a specific subsidiary – Advanced InvestTech Solutions – focused on designing new investment technologies and financial products.

[View More](#)

Accelerated DeepTech Innovation, Practical Applications and Market Maturation Require Equally Sophisticated Approaches in InvestTech and Financial Industry Infrastructure (Markets, Exchanges, Indices and Financial Instruments)



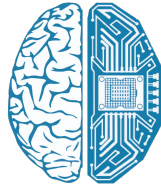
In order to facilitate the sustainable development of the Longevity Industry, Deep Knowledge Group is pursuing an ecosystemic approach by working to establish integrative financial infrastructure to support the industry as a whole.

Deep Knowledge Group

Building Financial Infrastructure for Emerging Longevity Industry



Longevity
Financial
Advisors



DEEP
KNOWLEDGE
VENTURES



LONGEVITY
CAPITAL

Deep Knowledge Group's Longevity Finance Activities

Data Science-Driven Financial and Investment Projects

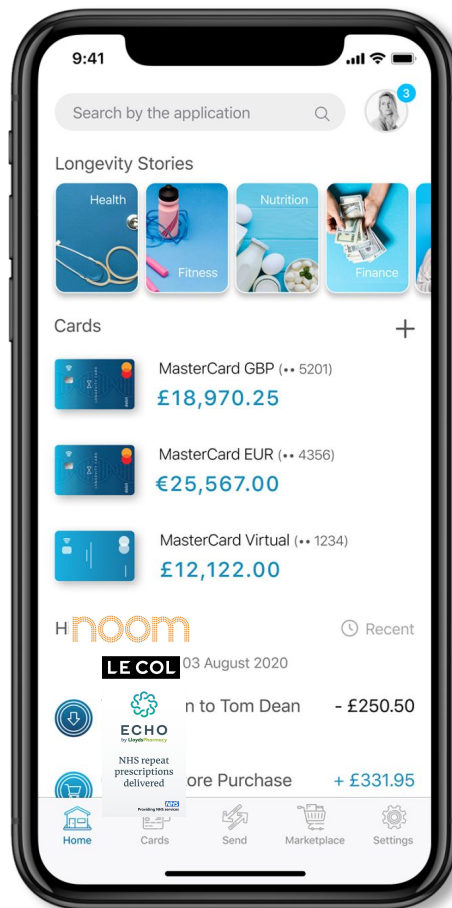


Built by Deep Knowledge Group:

- Longevity.Capital
- Longevity Banking Card
- Longevity Financial Advisors
- AMCs and Performance Trackers
- Longevity Investment IT Platform
- Big Data Investment Analytics Dashboard
- Longevity-Focused Structured Financial Products
- Automated Due diligence, SWOT analysis, De-risking

Longevity Card

Longevity Card Marketplace Partners:



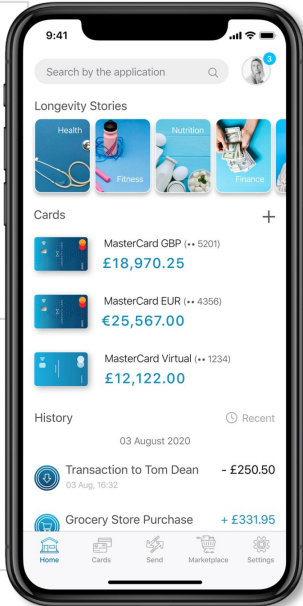
Longevity Card: HealthTech Integration

HEALTHSPAN
AND FITNESS
GAMIFICATION

LONGEVITY
POINTS

DAILY ACTIVITY
ANALYSIS

SLEEP
ANALYSIS



AI POWERED
PERSONALISED
RECOMMENDATIONS

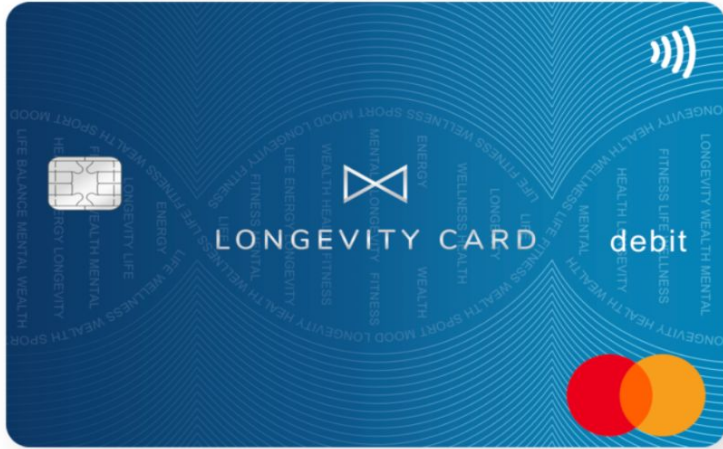
WEARABLES
COMPATIBLE

LONGEVITY
STORIES

NUTRIENT
TRACKING

www.longevity.cards

Longevity Club Card + Banking Card



Longevity Banking Card



Longevity Club Membership Card

Under Development Deep Knowledge Group Target Milestones in 2023-2024:

- **Longevity Hedge Fund**
- **Longevity Investment Bank**
- **Longevity Stock Exchange**

LONDON LONGEVITY FINANCIAL CLUB

JUNE 21, 2022

LONDON

To RSVP please register here

- Longevity Financial Industry and the New Asset Class
- Private Equity, Venture Capital, Public Markets
- Commoditization of DeepTech and Longevity
- De-Risking and Optimization of Investments
- Novel Financial Products and Derivatives

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www.longevity.network/finance-london



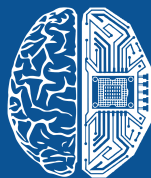
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Longevity Book

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