

The background of the slide is an abstract composition of overlapping, translucent blue geometric shapes, primarily triangles and polygons, creating a sense of depth and movement. The colors range from light sky blue to deep navy blue.

# **AITERNIS**

Creating a leading AI platform  
for supporting doctors and patients to make  
better decisions in 5P and anti-aging medicine.

Preliminary proposal September 2018



# INTRODUCTION

Our mission is to extend  
people's healthspan and lifespan

Our vision to become a global leader in changing  
the practice of healthcare

Short-term goal: navigate clients, who desire optimal health, to achieve a long active life using evidence-based, anti-aging algorithms, and practices by A4M (American Academy of Anti Aging Medicine)

Long-term goal: Build the leading **AI (artificial intelligence) platform** for supporting doctors and patients to make better decisions in 5P (Predictive, Preventive, Personalized, Participatory, Proven) and anti-aging medicine

Investment requirements: 6 million seed financing for R&D. We will open Series A for product sales and marketing once R&D is completed and benchmarks achieved

# WHY NOW

## IT IS TIME!



- Medical data is already being collected. We have the AI processing power to structure the data and give meaningful information back to the user
- Watson is costly and relies on expensive data. We will use our customers data to create data efficiency
- Other programs in health care are focused on traditional practices. We will be the first company to offer the most advanced options

## WE KNOW, HOW!



- The A4M association has a set of evidence-based algorithms of anti-aging therapies that work
- Our team of highly qualified professionals agree to work together with their team and put these algorithms into our application
- It is the first anti-aging project to distribute anti-aging information to people, using the power of mobile technologies

## PEOPLE NEED IT!



- Demands in anti-aging options are growing exponentially
- Traditional healthcare does not support the needs of healthy people on their road to a long fulfilling life



# PROBLEM



## **PEOPLE AROUND THE WORLD ARE GROWING OLDER—AND LIVING LONGER**

In 2015, 8.5 percent (617 million) of the world's population was age 65 or older. That number is expected to grow to 17 percent (1.6 billion) by 2050, according to An Aging World: 2015



## **PEOPLE WANT TO LIVE LONG AND STAY HEALTHY**

Families, governments, and insurance companies increase their spending on the treatments of age related diseases as the population grows older. People don't want to just live longer, they want to stay healthy longer



## **A SOLUTION CALLS FOR A COMPLEX SYSTEMS APPROACH**

Most doctors today use outdated techniques and do not keep up with advancements in medicine. We help doctors access current scientific data that can be used to help them make better decisions and create better outcomes to increase the healthspan and lifespan of their patients



**DR ROBERT  
GOLDMAN**  
*Co-founder*

Dr. Goldman, holds two Physician & Surgeon Medical Degrees and two Medical Doctorates and has served as a Senior Fellow at the Lincoln Filene Center, Tufts University and as an

Affiliate at the Philosophy of Education Research Center, Graduate School of Education, Harvard University. He co-founded and served as Chairman of the Board of Life Science Holdings and Organ Inc, biomedical R&D companies with over 150 medical patents under development in the areas of brain resuscitation, trauma and emergency medicine, organ transplant and blood preservation technologies. These led to the formation of Organ Recovery Systems Inc. and then LifeLine Scientific Inc, a Public Company, which became a world leader in organ preservation and transport. He has overseen cooperative research agreement development programs in conjunction with the American National Red Cross, NASA, the Department of Defense, and the FDA's Center for Devices & Radiological Health



**DR AUBREY  
DE GREY**  
*Co-founder*

Dr. Aubrey de Grey is a biomedical gerontologist based in Cambridge, UK and Mountain View, California, USA, and is the Chief Science Officer of SENS Research Founda-

tion, a California- based 501(c)(3) charity dedicated to combating the aging process. He is also Editor-in-Chief of Rejuvenation Research, the world's highest-impact peer-reviewed journal focused on intervention in aging. He received his BA and Ph.D. from the University of Cambridge in 1985 and 2000 respectively. His original field was computer science, and he switched to biogerontology in the mid-1990s. His research interests encompass the characterisation of all the accumulating and eventually pathogenic molecular and cellular side-effects of metabolism ("damage") that constitute mammalian aging and the design of interventions to repair and/or obviate that damage





**YURIY ORESHIN**  
*Co-founder, CEO,  
Product Architect*

Yuriy's goal in life is to accelerate medical research and improve patient care to significantly extend human lifespan and healthspan. Prior to founding Aiternis Yuriy co-founded Alvansa

pharmaceutical holding with a total investment of \$200M. Together with his Partners he raised \$58M in PIPE for Affitech, NASDAQ OMX Copenhagen listed company focused on antibody therapeutics research for cancer treatment. Yuriy served as the CEO of subsidiary of CureLab Oncology Inc. a US based oncology gene therapy drug development company. He also worked as Director of Licensing and Business Development at the Human Stem Cell Institute - top 5 company in the world that registered and brought to market gene therapy drug. Graduated from the Darla Moore School of Business, University of South Carolina. Studying Deep Learning taught by Andrew Ng Co-founder, Coursera; Adjunct Professor, Stanford University; formerly head of Baidu AI Group/Google Brain



**MIKHAIL PLISS**  
*Co-founder,  
CTO & CIO*

Mikhail worked for Microsoft, Public Sector, Healthcare; Oracle Netherlands BV, Public Sector, Healthcare.

Philips Healthcare, Healthcare Transformation Services; as well as participated in McKinsey and Company projects.

25+ years of professional experience in IT.

16+ years management C-level or Senior Consulting level, leadership skills and team management. in process and project-based organizations.

7+ years in IT in Healthcare and social sphere.

6+ years in successful sales in strategic, management and IT consulting in healthcare and social sphere



**DR RONALD  
KLATZ**

*Co-founder*

Dr. Ronald Klatz, is a physician, medical scientist, futurist, and innovator. He coined the term "anti-aging medicine" and is recognized as a leading authority in

the new clinical science of anti-aging medicine. Dr. Klatz is the physician founder and President of the American Academy of Anti-Aging Medicine. In 1984, Dr. Klatz was a pioneer in the clinical specialty of preventative medicine: as a principal founder of the National Academy of Sports Medicine and researcher into elite human performance and physiology. Dr. Klatz is a best-selling author, and is columnist or Senior Medical Editor to several international medical journals



**DR EVGENIY  
KOVALEV**

*Co-founder,  
Medical Director*

Member of the expert council on healthcare in the State Duma of the Russian Federation. From 2009 - 2013 was one of the people in

charge of the entire Sports Medicine in the country for the Ministry of Health of Russia. Anti-age medicine expert (formulates anti-age protocols and therapeutic interventions plan, regularly attends international congresses on biogerontology and gerontopsychology. Graduated from Koc University (Turkey). Regularly reads lectures in Turkey, Austria and Greece





**DR MARINA  
MELGUNOVA**

*Co- Founder,  
COO, R&D*

Majored in general therapy and received post-graduate specialization in neurology. Received PhD in medical sciences. Received clinical psychology degree. Studied Management in Healthcare in the British Open University. Organized medical services at ROSNO (leading Russian insurance company, now Allianz). Worked as a CEO of private hospital Hospital WEST, based in the 1st Clinical Hospital Volynskaya of the Department for Presidential Affairs (of the Russian Federation). Worked as the Head of the international cooperation department of MEDSI Group - largest private healthcare group of hospitals in CIS. Organized rehabilitation and treatment abroad at SOGAZ - second largest insurance company in CIS



**ELIZABETH  
PARRISH**

*Co- Founder, PR, IR*

Elizabeth Parrish is a humanitarian, entrepreneur, innovator, and a leading voice for genetic cures. She is the founder and CEO of BioViva, Washington-based platform for advanced gene and cell therapeutics. BioViva in collaboration with Integrated Health Systems Ltd (IHS) examine data of patients who are given access to consensual gene and cell therapies worldwide and connect researchers with medical doctors to collect data and show evidence if some of the most promising therapies in regenerative medicine are working in patients. Founding member of the International Longevity Alliance (ILA). She is an affiliated member of the Complex Biological Systems Alliance (CBSA), which is a unique platform for Mensa based, highly gifted persons who advance science





# OUR GOAL



**Lifespan increase**, achieved by regulators in the areas of ecology, finance, law, and healthcare innovations **does not by itself lead to a healthspan increase**. At about 40-50 years of age people begin to accumulate a set of chronic diseases due to a large number of factors (medical term «comorbidity»).

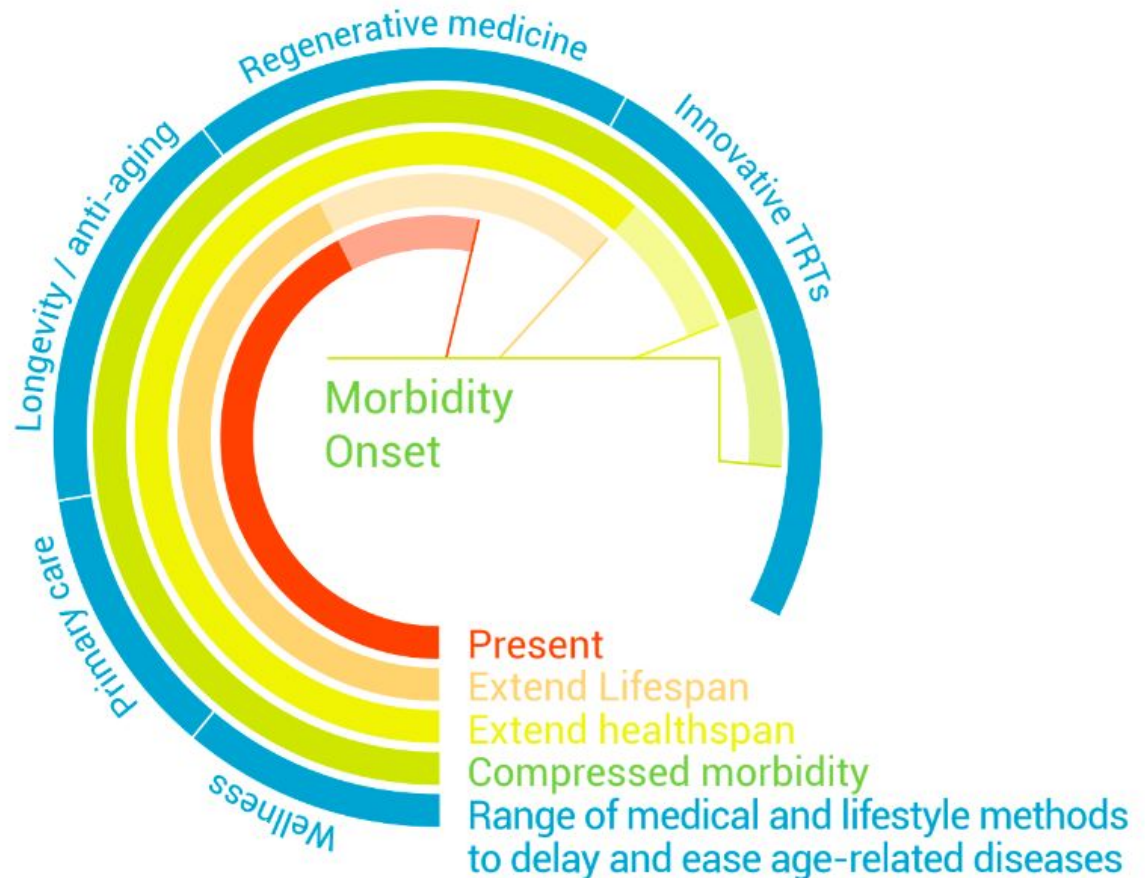
**To increase healthspan and lifespan we need to utilize a systems approach of 5P medicine.**

The main aspects of this approach include a combination of healthcare innovations, IT and a patients active participation towards their own health

# LIFESPAN INCREASE

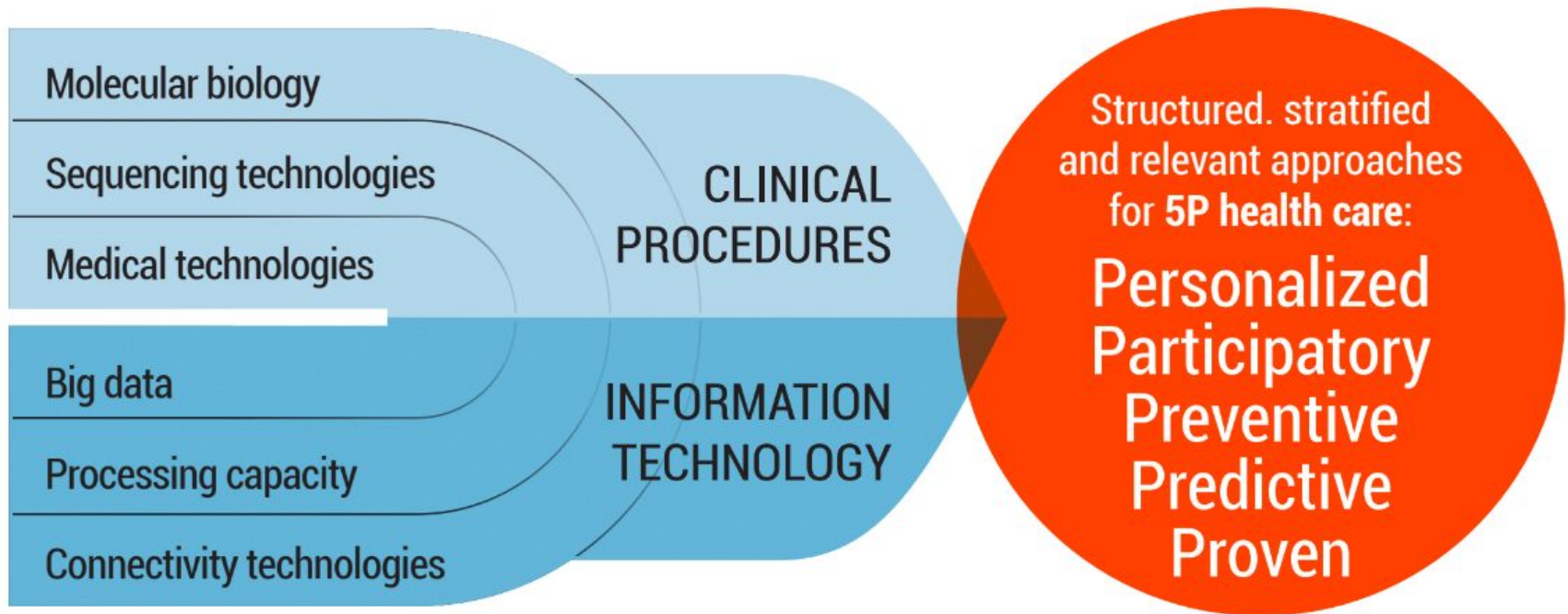
**Components** of all government and private programs of **healthspan** increase over time:

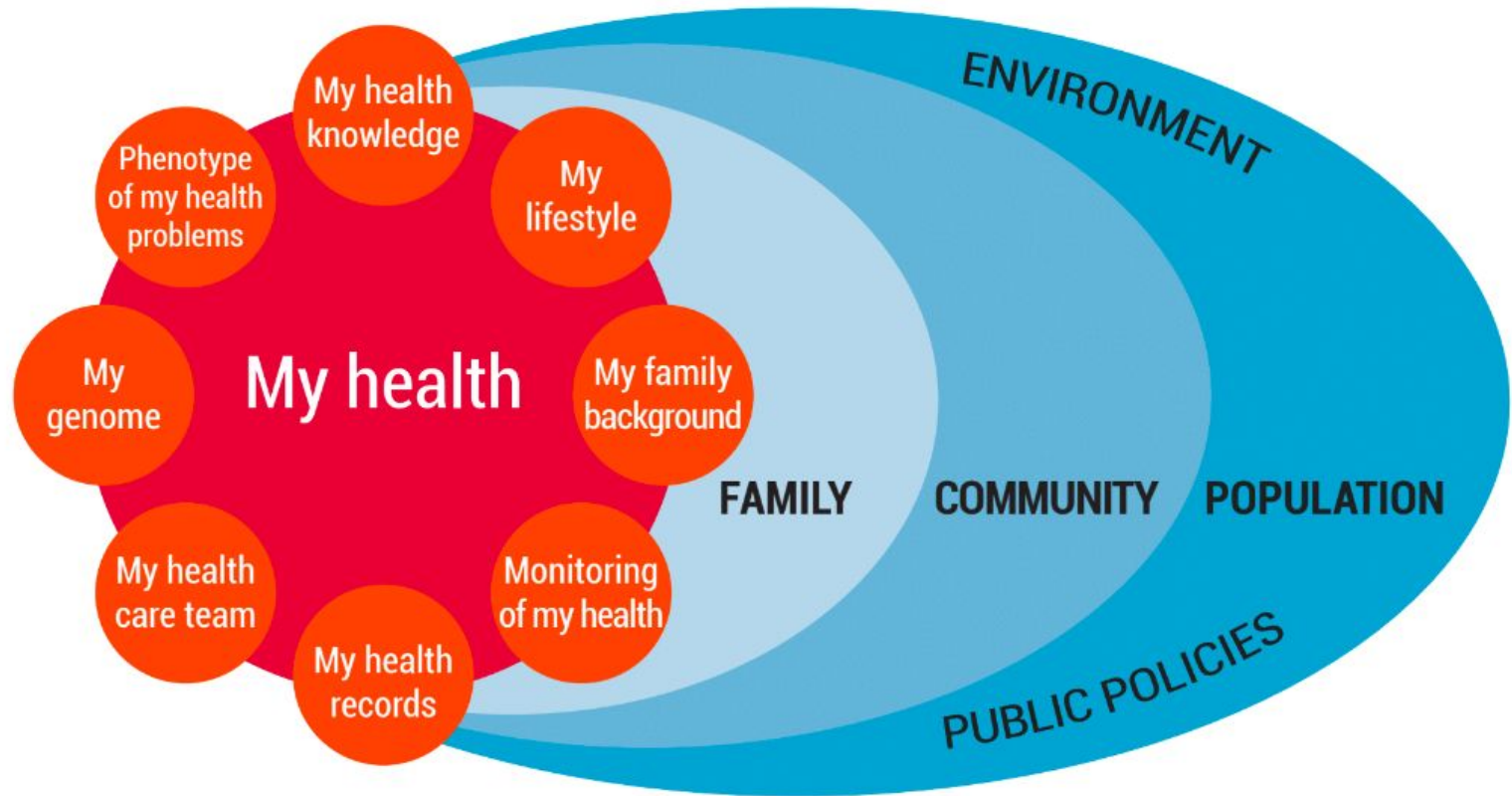
- Healthy lifestyle and physical exercise
- Primary healthcare support
- Anti-aging activities and health activation
- Regenerative medicine
- Targeted therapies for treatment of chronic disease





# 5P MEDICINE COMPONENTS





**To increase the healthspan of an individual it is necessary to develop personal recommendations based on each person's health data, genetic tests, and family medical history.** This information has to be processed and supplied to a patient in an easy to read and understand format that will motivate him to follow recommendations



# AITERNIS OFFERING

**AITERNIS™ OFFERS ITS INPUT INTO SOLVING  
THE PROBLEM OF HEALTHSPAN EXTENSION**



## AITERNIS

**Patient  
downloads  
mobile app**

### FRONT-END

App and chatbots are the external part of the system

### BACK-END

Produces personalized recommendations from analytical system of personalized recommendations

### MED AND SCIENCE OFFICE

Recommendations are developed by doctors and scientists, analysts work on algorithmization and personalization of recommendations

### • HEALTH • COACHES

Doctors following methodologies develop personalised recommendations

### • LABS •

Selected labs get certified to conduct required tests according to A4M methodology

### • A4M ANTI-AGING MEDICINE ASSOCIATION AND DOCTOR COMMUNITY

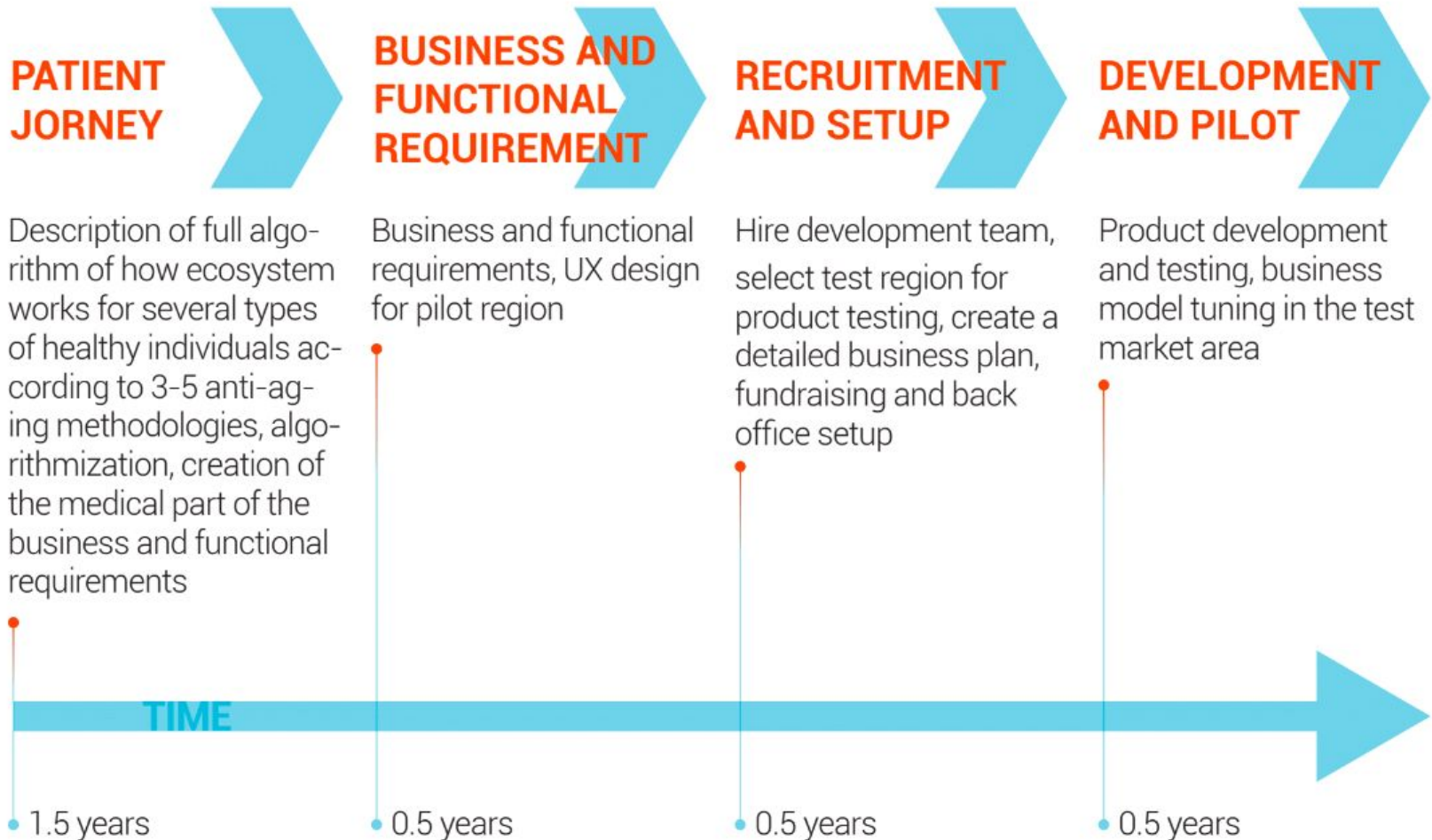
Association recommends methods based on evidence based medicine

# ECOSYSTEM FUNCTIONALITY LOGIC

<b>FRONT-END</b>	App functions: convenient communications with the patients, compatible with equipment for real time and home health monitoring, integration with the calendar for reminders, integration with messengers and social networks for communications with chat bots, geoposition of labs, and telemedicine for personal assistants
<b>BACK-END</b>	Management of the personal profiles of patients, protection of personal medical data, system of selection of recommendations, system of scheduling, database of knowledge for the patients, database of knowledge for the doctors, online education, certified labs database, database of certified doctors, marketplace for certified nutraceuticals, therapeutics etc.
<b>MED AND SCIENCE OFFICE</b>	Management of evidence based anti-aging medical protocols and methods, recruitment of certified doctor associations and labs, algorithmization of recommendations in the context of selected methods
<b>A4M</b>	Approval and certification of methods, education for health coaches and their certification
<b>HEALTH COACHES</b>	Personalised patient management and service via a mobile app, monitoring of health indicators, connection with the patients via telemedicine technologies, in person patient visits, health and wellness events for groups of patients
<b>LABS</b>	Test panels for diagnostics with approved and certified A4M methods



## WORK PLAN:



# STAGE 1. PATIENT'S JOURNEY

**DOCTORS AND ANALYSTS WORK ON THE DEVELOPMENT OF MEDICAL LIFESPAN TECHNOLOGIES ALGORITHMS AND HEALTHSPAN BUSINESS PROCESSES**



Expected result - a document that will allow IT to give recommendations in a fully automated mode for 2-3 types of patients who selected 3 aging theories



# POSITIONING

## **LIVE LIKE THIS HEALTHCARE MANAGEMENT SYSTEM**

Brand essence – ensuring a high quality of life at any age

We can not prevent aging. What we do is help an individual to stay active, healthy, and to preserve quality of life using both medical and non-medical methods

We will position ourselves as an internationally recognized health management AI system of 5P and anti-aging medicine



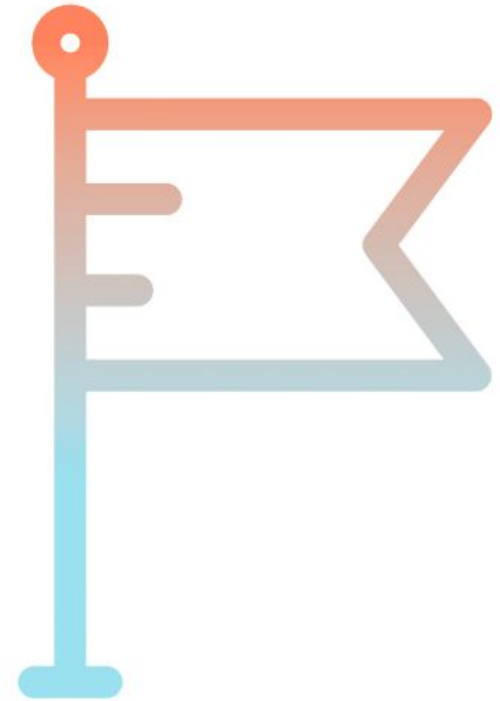
# NEXT STEPS



- Investor response on continued interest in investment evaluation
- Letter of Intent negotiation/finalization with team and opinion leaders
- Parallel investment evaluation of Aiternis team and strategy
- Aiternis finalize investment proposal based on financials and product info from team and opinion leaders
- Investment decision made by investor
- Investment into Aiternis new-co that will be formed and operated in the location selected by investor and implementation of Aiternis product development and launch plan

# THANK YOU!

AITERNIS



the end