AI BASED MICROBIOME ANALYSIS
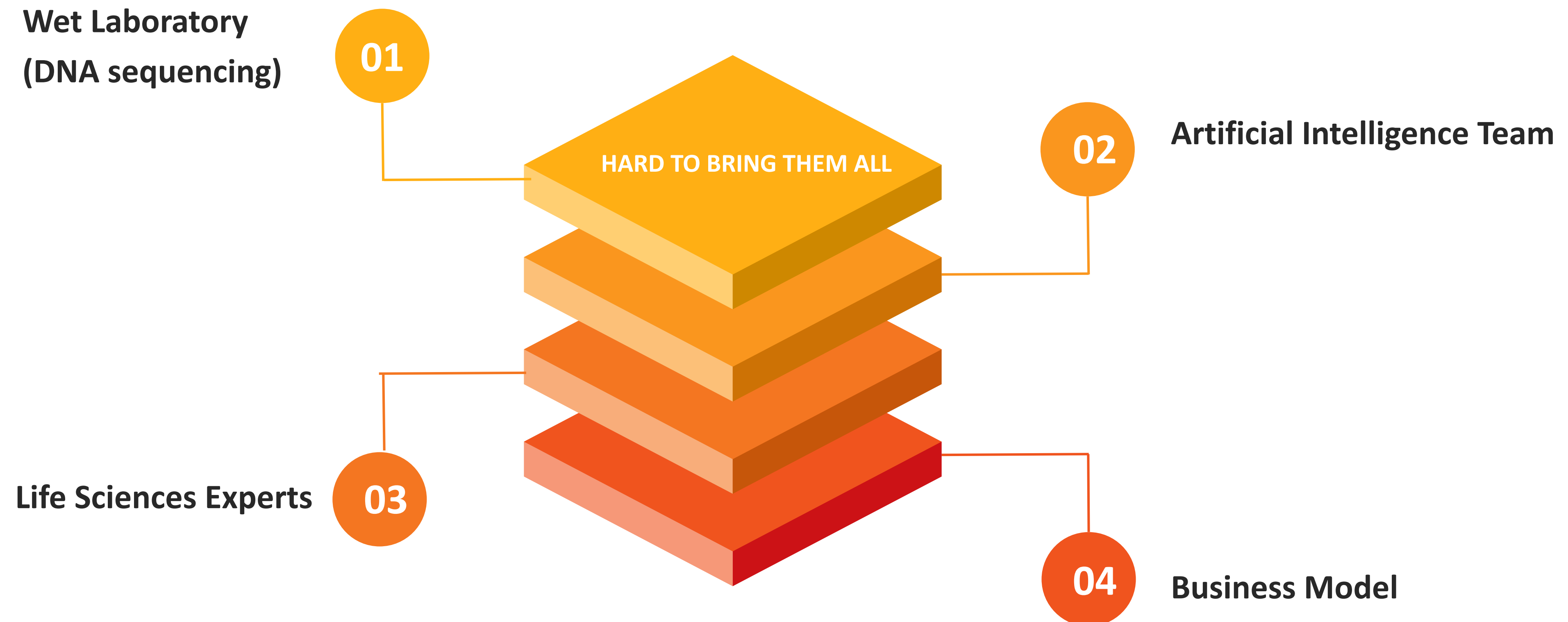
enbiosis

"All Diseases Begin in the gut"

Hippocrates – The father of modern medicine

Personalization in health is the next generation health service.

However, this new approach requires a complex structure and a multidisciplinary working environment.

**Wet Laboratory
(DNA sequencing)**

01

HARD TO BRING THEM ALL

02 **Artificial Intelligence Team**

Life Sciences Experts **03**

04 **Business Model**

Co-Founders

Ph.D. UFUK NALBANTOĞLU

- - 15 years experience in microbiome research
- - Principal investigator of NIH, NSF, and DTRA funded projects.
- - Built the bioinformatics software of Earth Microbiome Project

Assoc. Prof. AYCAN GÜNDOĞDU

- The national laboratories of the Sunhine Coast
- Queensland Department of Health, and CSIRO
- Head scientist of Turkish National Microbiome Projects
- EU, Human Microbiome Studies committee member.
- Founder of Genkok Metagenomics Department.
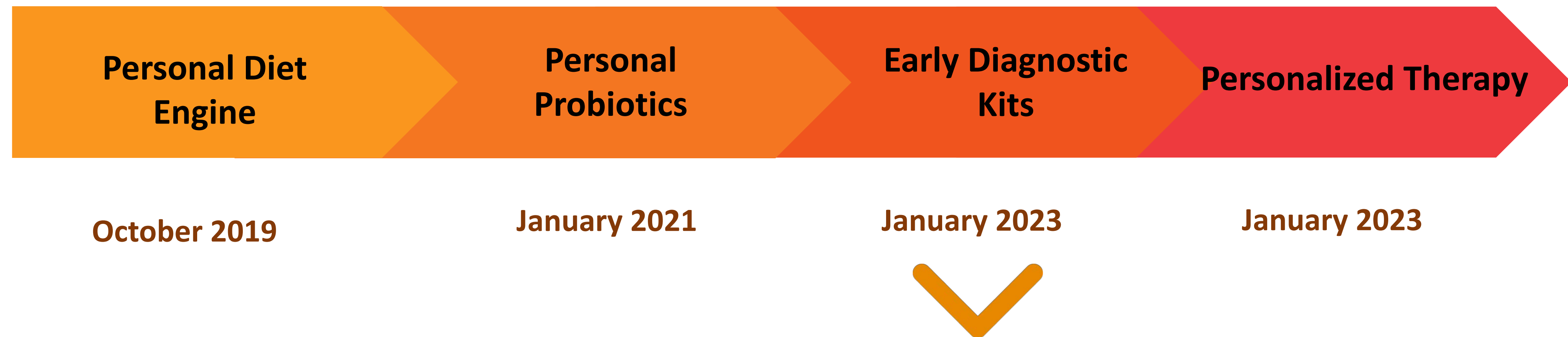- Two patent pending

ÖMER ÖZKAN

- Entrepreneur
- Founder: Integreen, Transolt, AI-Solt
- Business Development
- Bilkent University IE

ZAFER YASİR YILMAZ

- Co-founder of AI-Solt
- Boğaziçi University EE + Physics (Double Major)
- Skilled at AI technologies

We will achieve our goals of personalization in health through long-term rational steps

| Personal Diet Engine | Personal Probiotics | Early Diagnostic Kits | Personalized Therapy |

October 2019　　　　**January 2021**　　　　**January 2023**　　　　**January 2023**

2 patents pending for alzheimer and cirrhosis

Our aim is to treat diseases by modulating human microbiome

- Autism
- Aging
- Autoimmune diseases
- Depression/Anxiety

- Diabetes
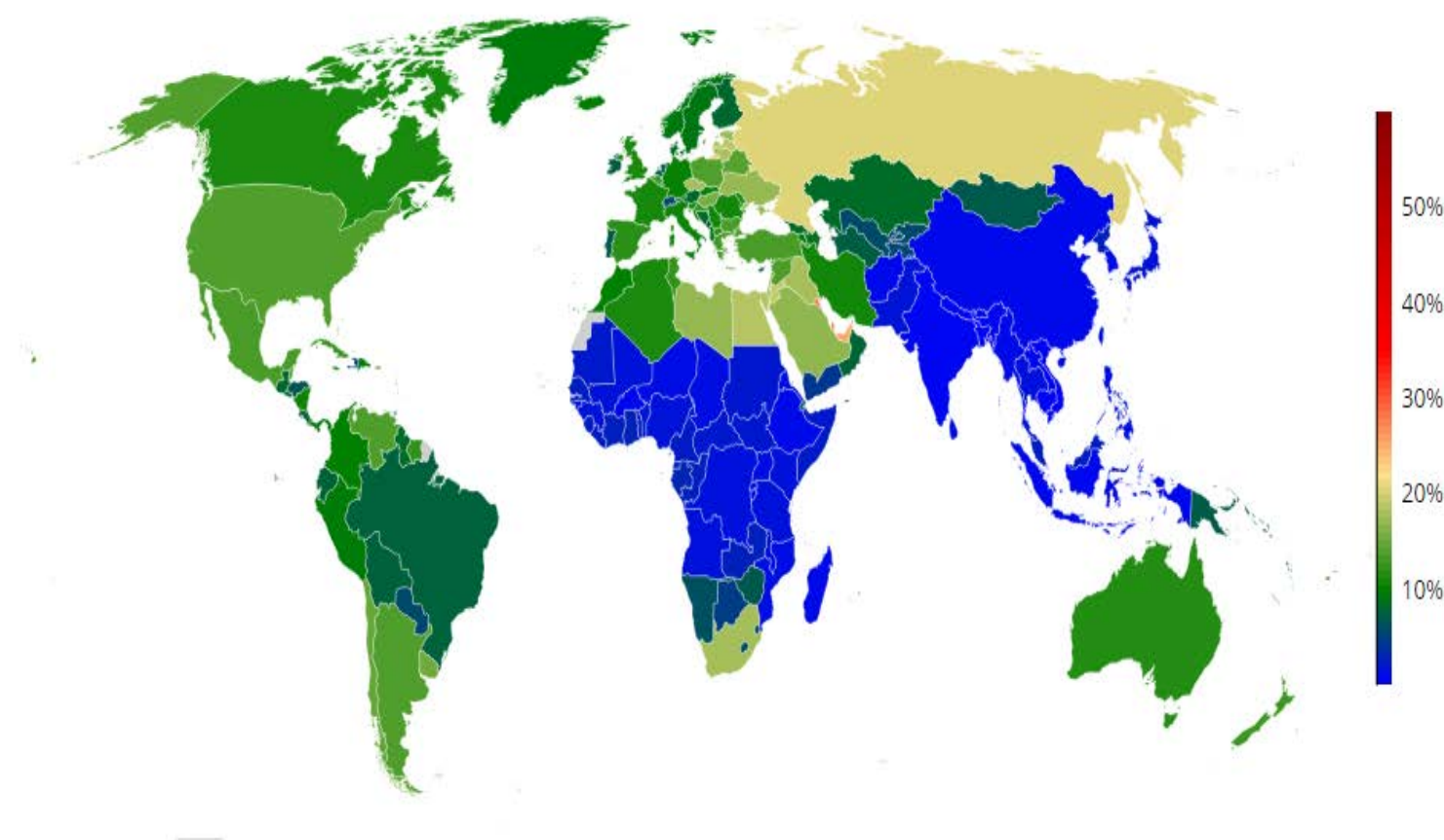- Cardiovascular disorders
- Colon cancer
- Obesity
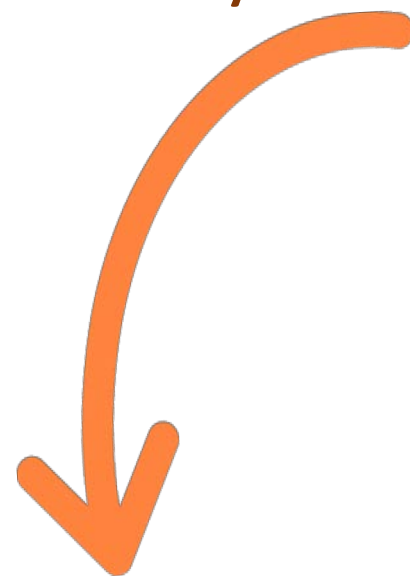
START!
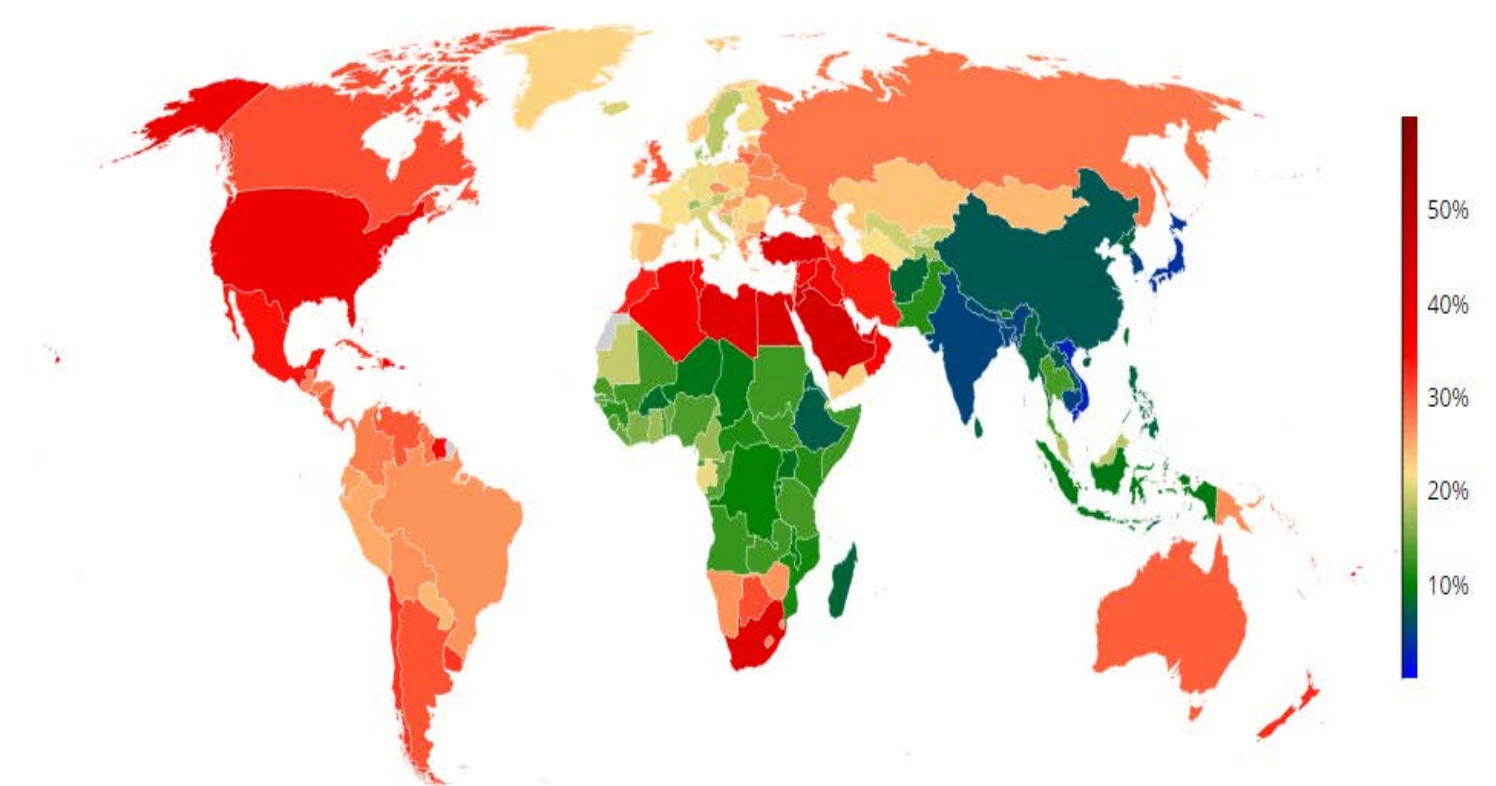Easy & Fast result

We need to stop obesity!..

Unhealthy eating related diseases are increasing rapidly, especially in EMEA region and USA.

NUTRITION RELATED DISEASES - 1975

NUTRITION RELATED DISEASES - 2019

- ➢ Obesity tripled
- ➢ Overweight: 1.9 billion
- ➢ Psychological disorders
- ➢ Immune system weakens

WHICH ONE IS RIGHT?

Vegan Diet

Dukan Diet

Mediterranean Diet

Montignac Diet

Vegetarian Diet

Blood Group diet

FODMAP Diet

Ketogenic Diet

Don't you think something is wrong?

''Every person has unique microbiome and metabolism, a standard diet has different outcomes for different people''

By examining 20,000 stool samples with machine learning technology, we created a system that scales nutrients individually.

20,000 individuals stool sample

Machine + Meta Learning

Bacteria – Health Relation

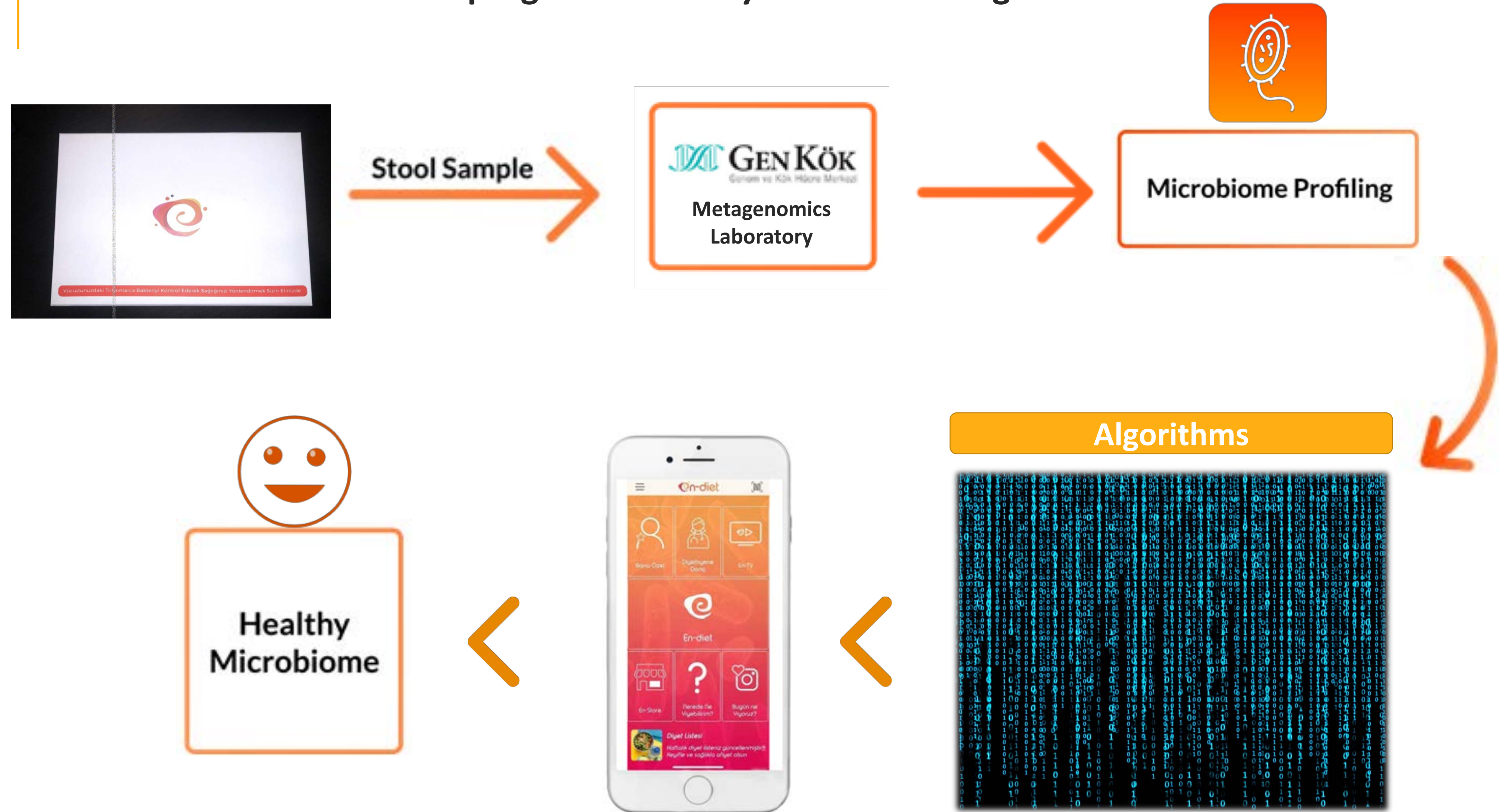**Extract which bacteria**

Dictate which health condition

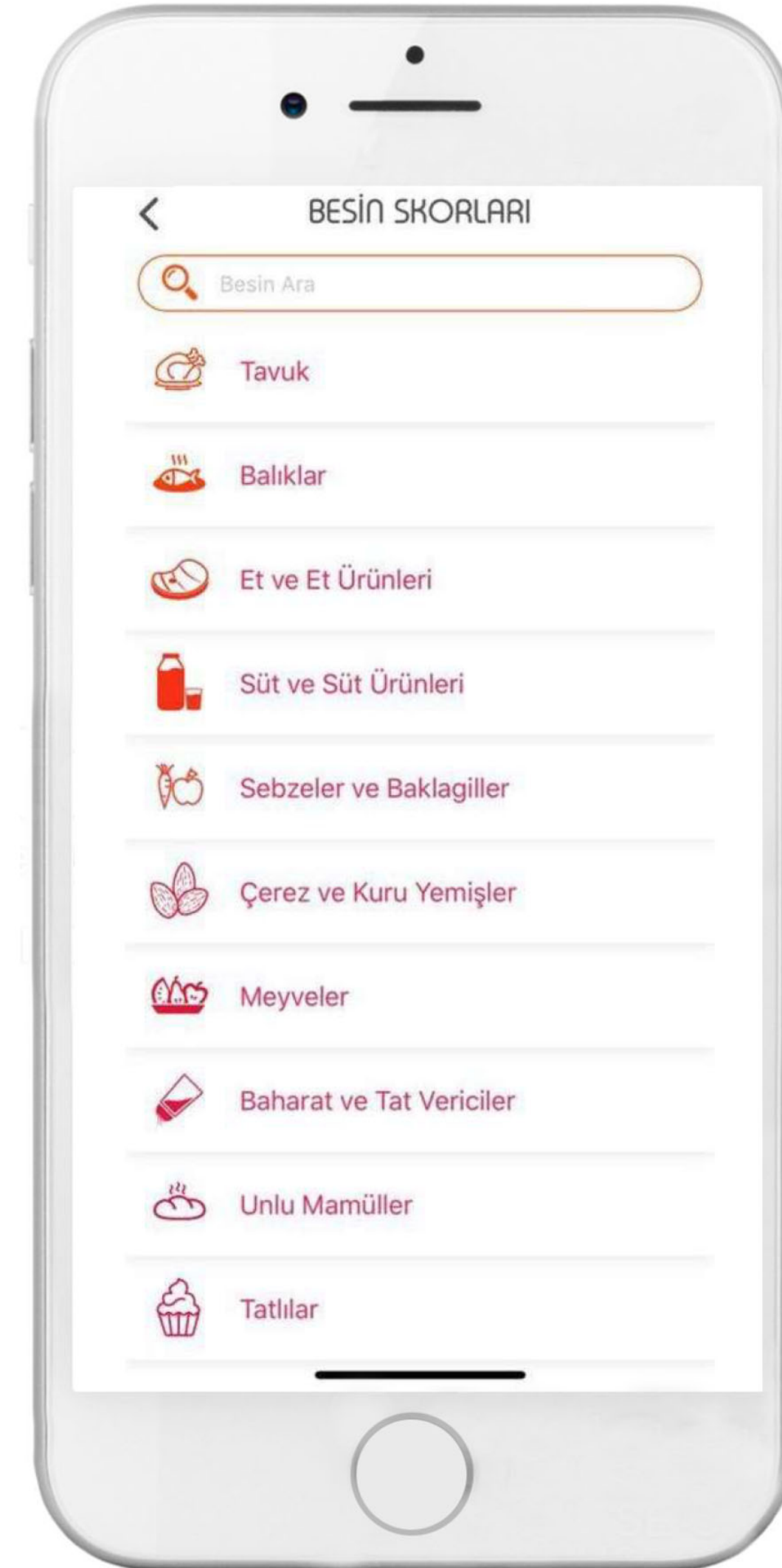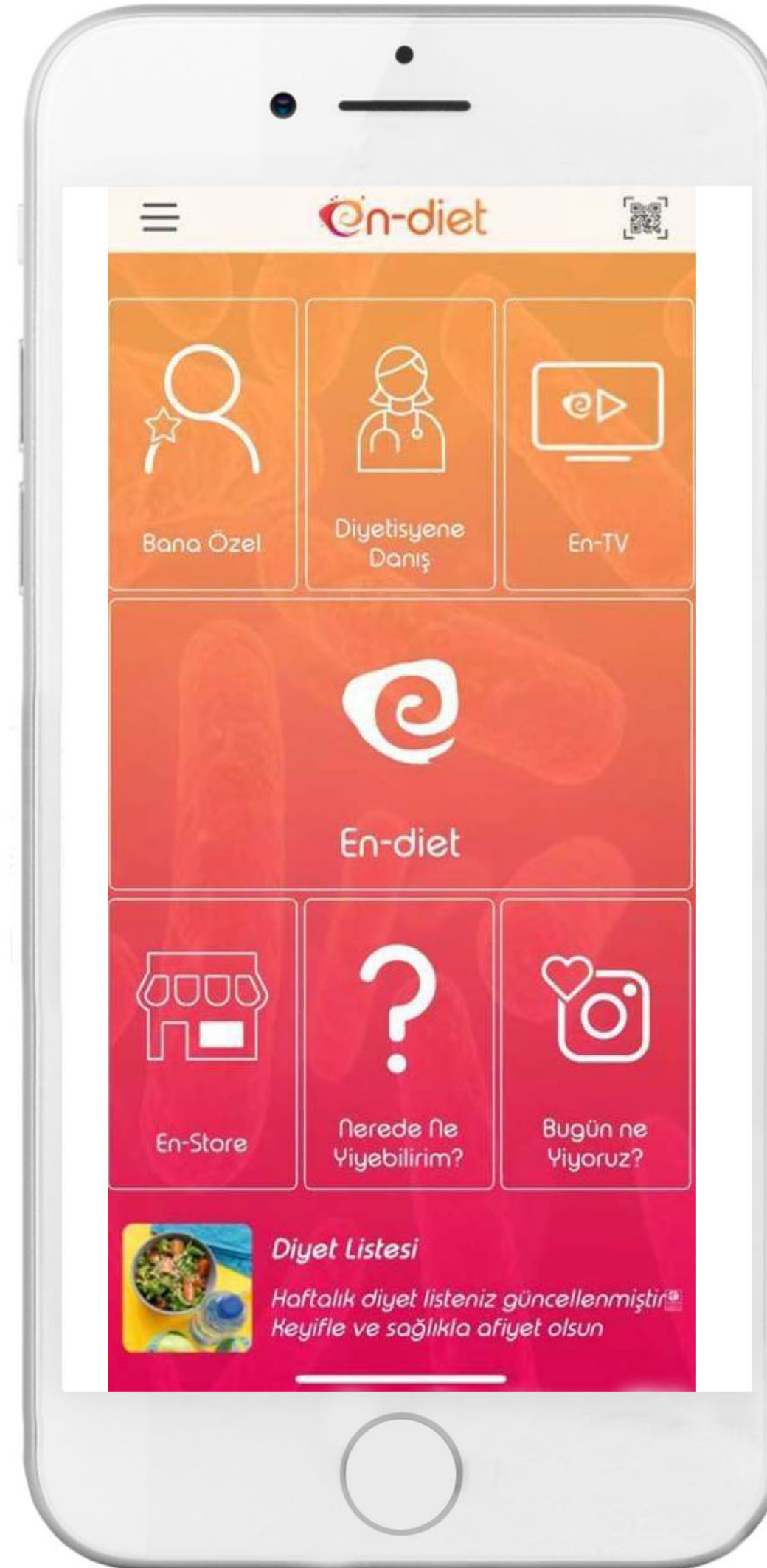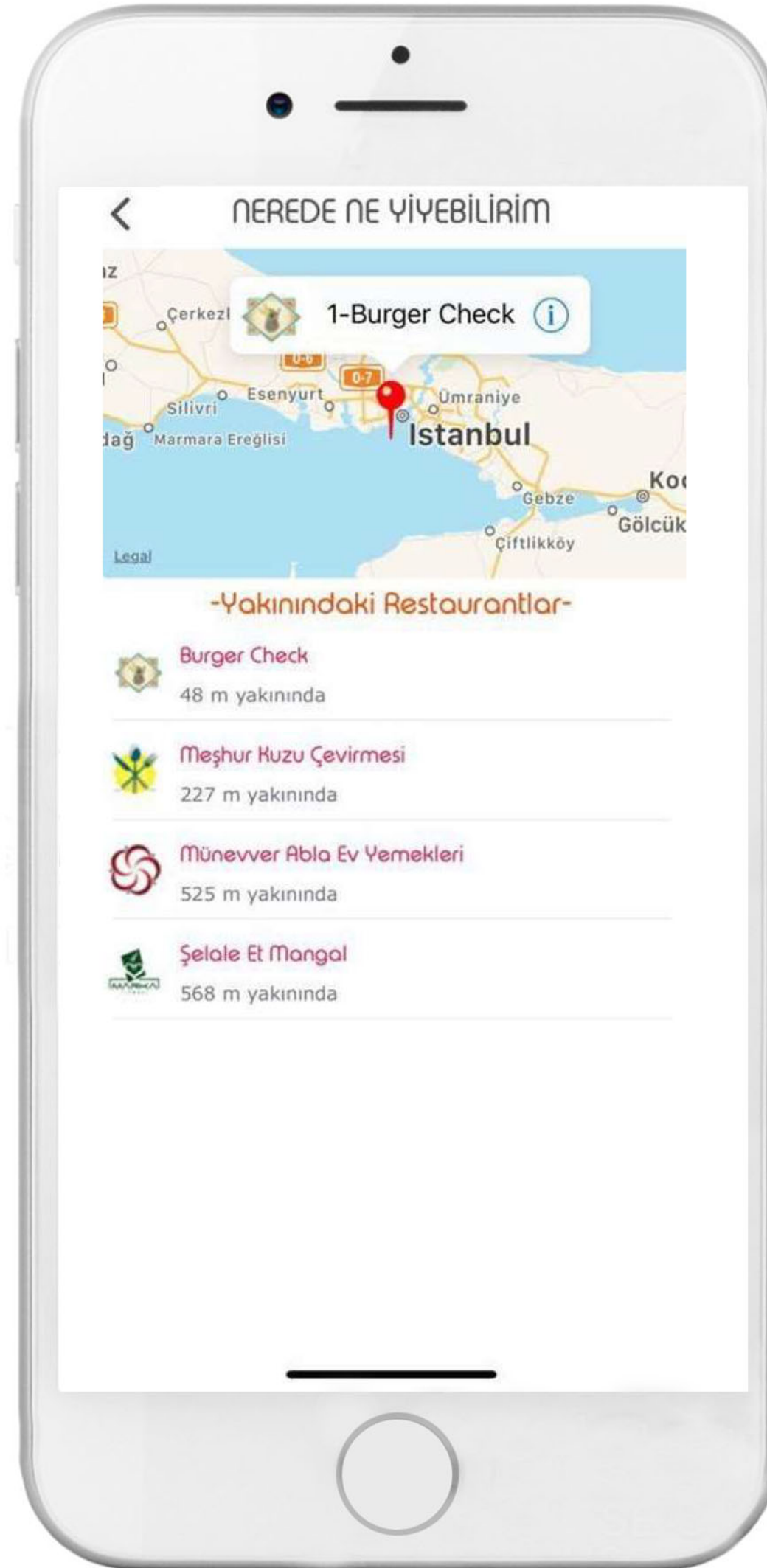Which nutrition affects which bacteria

Algorithms

Diet recommendation engine

Solution: Personalized diet program driven by artificial intelligence

Stool Sample

GEN KÖK
Metagenomics
Laboratory

Microbiome Profiling

Algorithms

Healthy
Microbiome

We made a user friendly application for our customers

In September 2019, we performed beta testing in 96 people. In addition, we have signed an agreement with one of the famous dietitians of Turkey
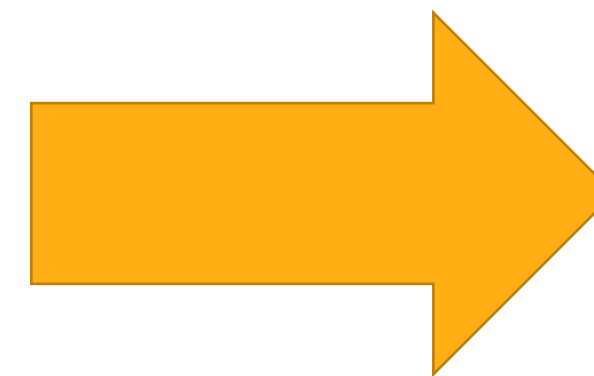
Agreement : 4.000 tests / year
Price: 200 $ / test
Total: 800.000 $ / year

Competition

uBiome

- Founded: 2012
- Started Diet Program: 2016
- Located: USA
- Series C - $109.9 M

VIOME

- Founded: 2016
- Located: USA
- Series B – $45.5 M

DAY TWO

- Founded: 2015
- Located: Israel
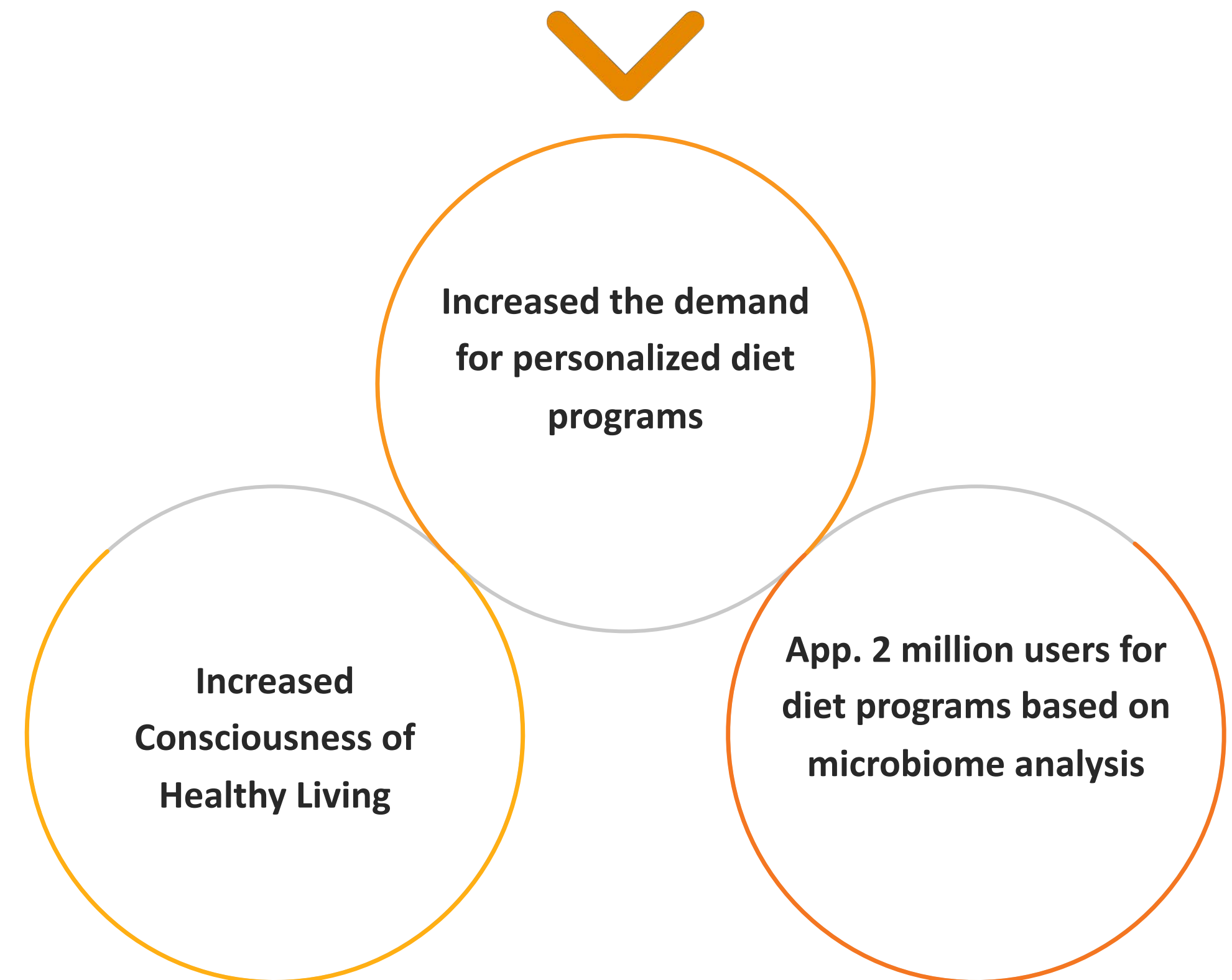- Series B - $48 M
- Samsung invested $5 M in October 2019

thryve

- Founded: 2016
- Located: USA
- Seed – $1.4 M

3-4 year old companies received approximately $ 200 million investment.

Increased the demand for personalized diet programs

Increased Consciousness of Healthy Living

App. 2 million users for diet programs based on microbiome analysis

The microbiota diversity in the market we focus on and the business models we have developed to grow rapidly in these markets differentiate us from our competitors.

Creative business model

*Making dietitians/doctors etc solution partners
*Accelarate the process
*Profit from additional services

Geopolitical position

*Rich microbiome diversity
*Highest obesity problem

Services to ensure continuity of use

*Restaurants
*Dietitians
*Physicians
*Follow up

Partnership structure

*Academics: University Collaborations
*Business
*Software
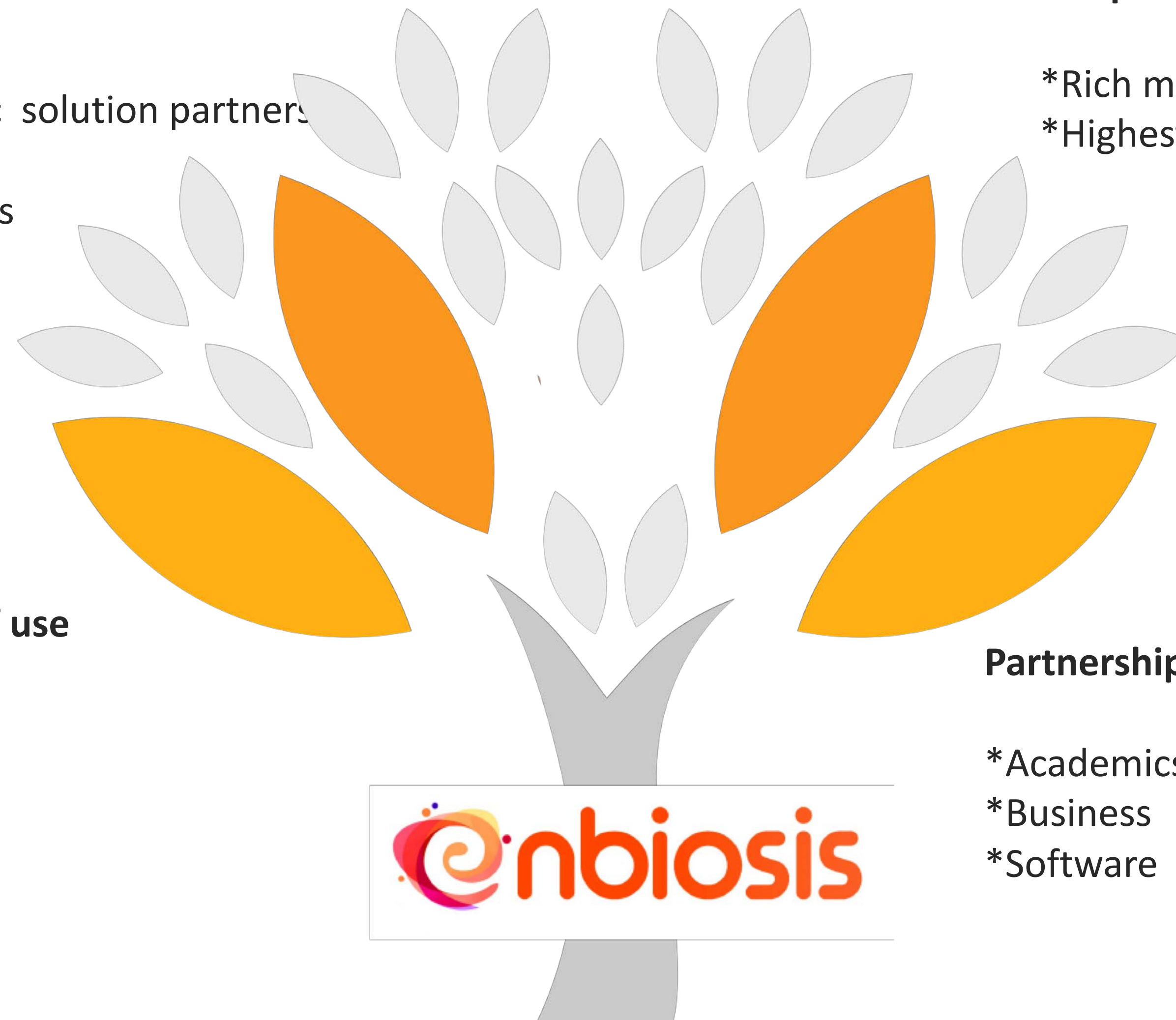
First, we want to spread our diet product in other countries, then produce and sell high value-added microbiome-based biotechnology products through research and development.

Seed	Series A	Series B	Series C
	Personalized diet based on microbiome		
	Production and sale of personal probiotics		
		Immune system strengthening	
		Microbiome diagnostic kits	
		Metagenomics diagnostic technologies	
			Immunotherapy and vaccine technologies
			Microbiome pills (biotheurepathic drug technologies)
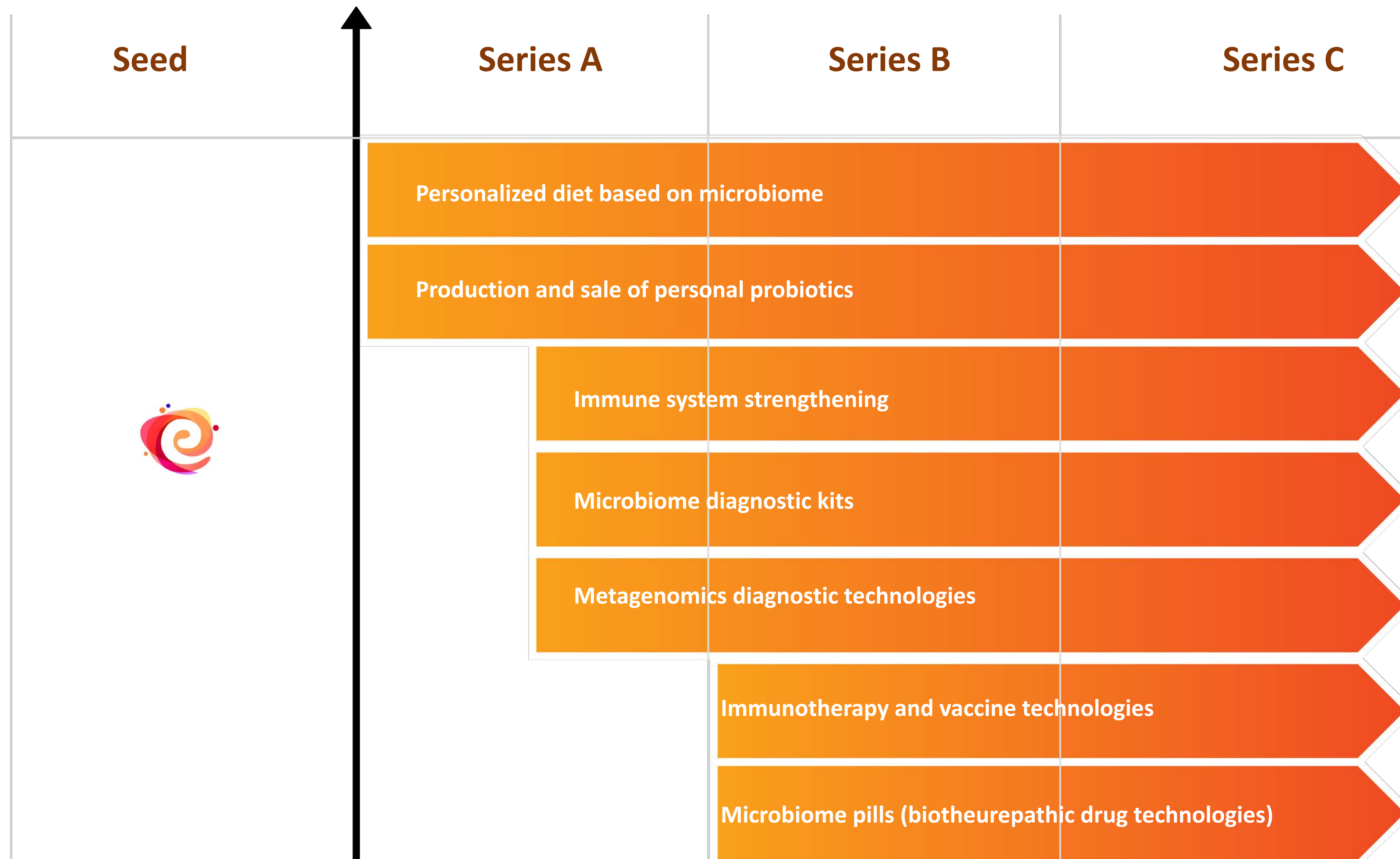
We aim to build one of the biggest fecal microbiome biobanks in the world .

WELCOME TO OUR DREAM
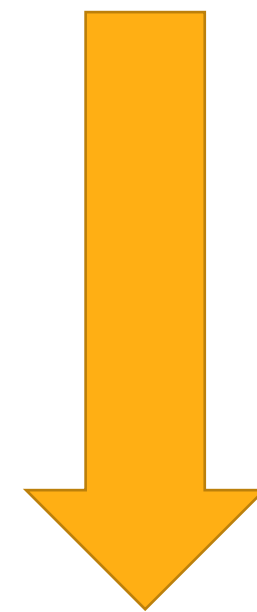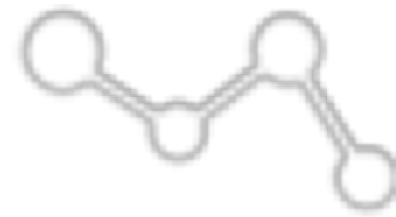
Strategic partners & investors

Partnerships

GET CONTACT

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