Integral Solutions

PRObiotic solutions for longevity and performance

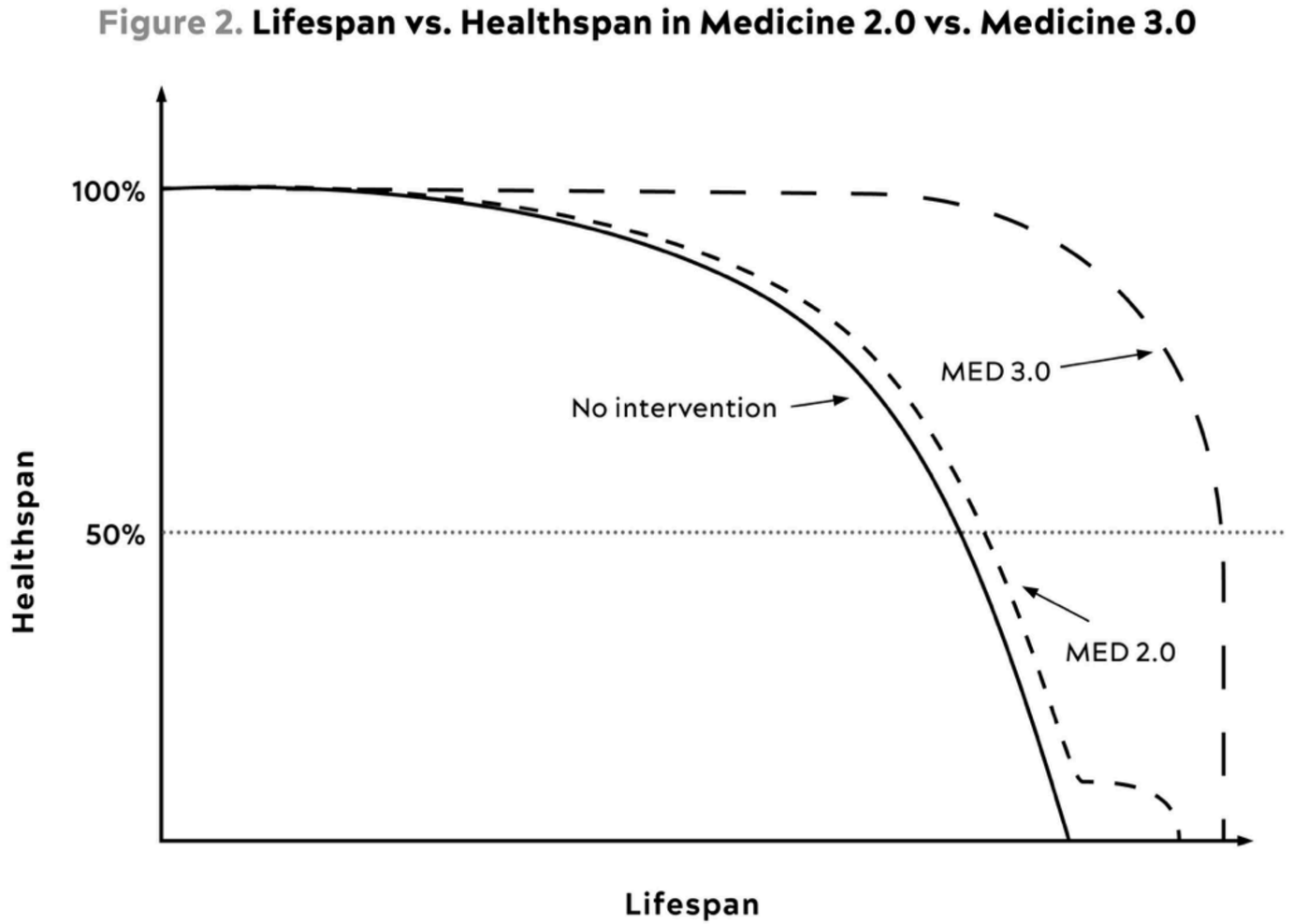
Pitch Deck

2024

Aging



Lifespan vs Healthspan

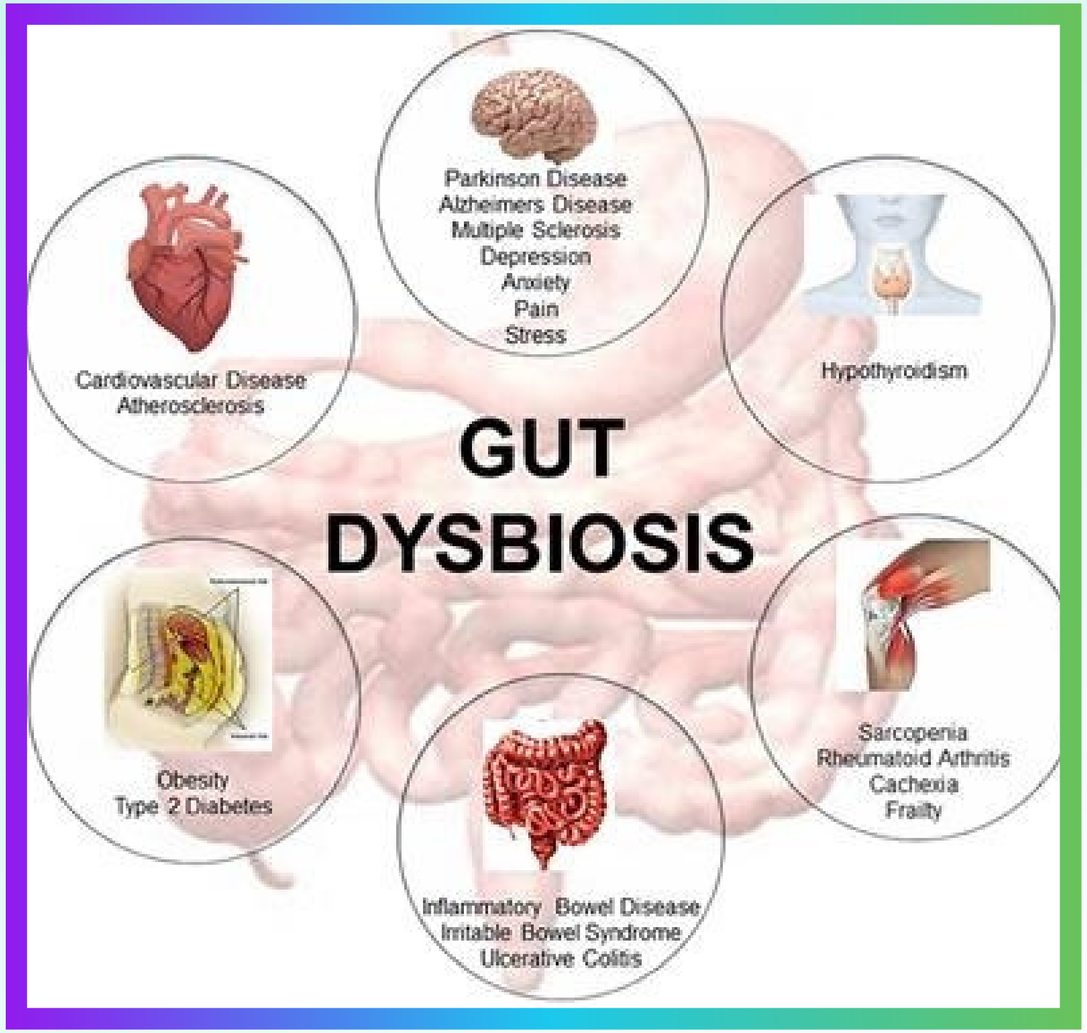


*"Adding just **one healthy year** to life expectancy could yield savings of **$40 trillion** in **healthcare** expenses and **productivity** gains."*

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Gut dysbiosis

1. One of the hallmarks of aging
2. Gastrointestinal distress
3. Cognitive impairment
4. Immune dysfunction
5. Heart diseases
6. Muscle loss
7. Obesity
8. ...



*"All disease begins in the gut"- **Hippocrates***

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Methods to Treat Dysbiosis



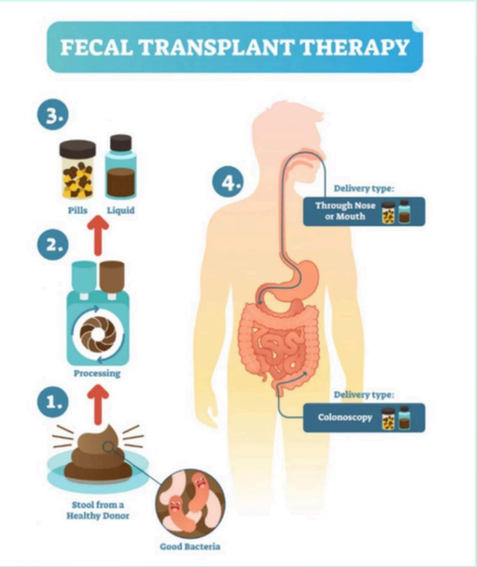
Dietary Changes



Probiotic Supplementation



Lifestyle Modifications

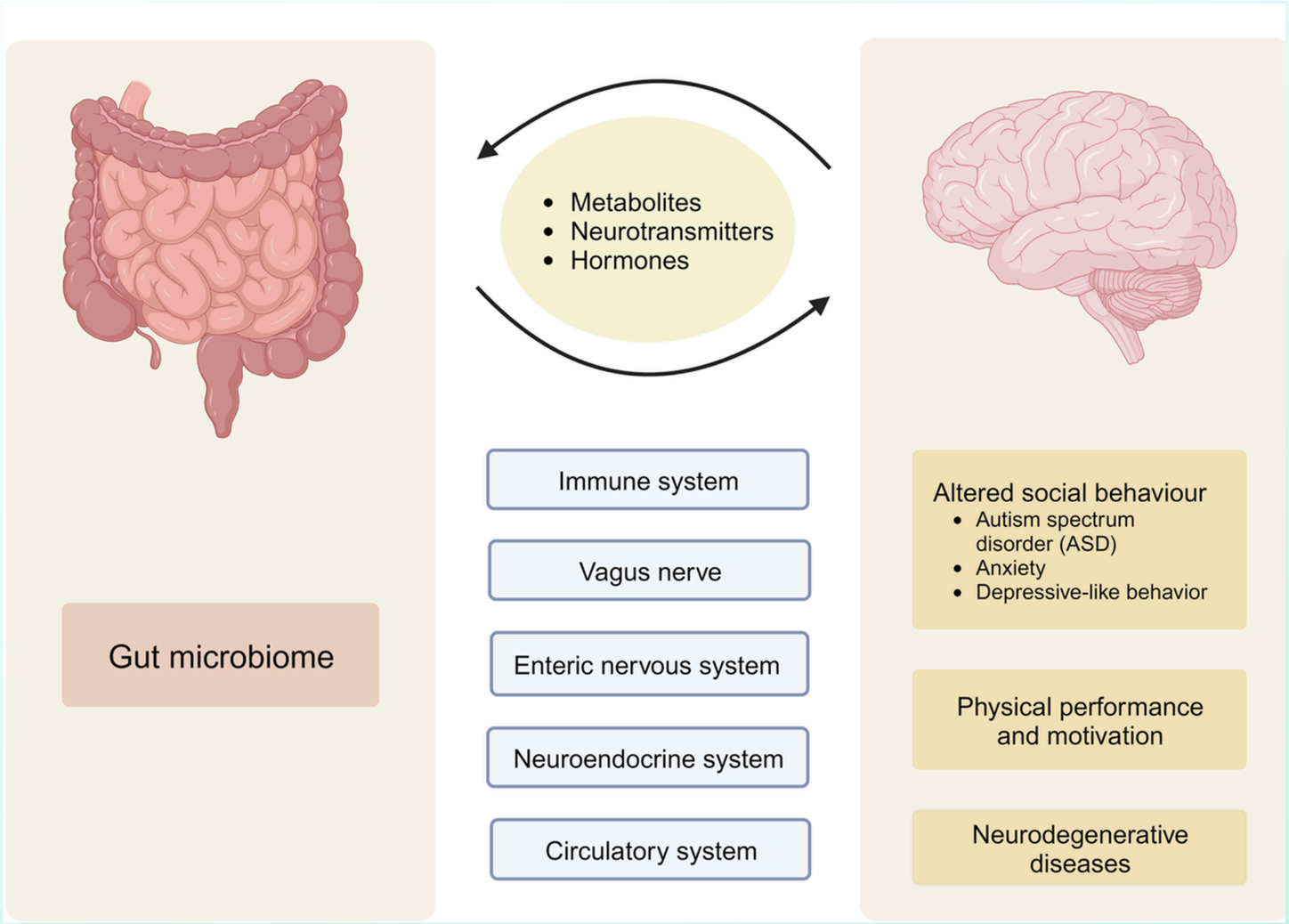


Medical Interventions

Gut health is a dynamic aspect of our well-being, open to optimization through informed, holistic practices

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The microbiota–gut–brain axis



The microbiota–gut–brain axis. The bidirectional communication between the gut microbiome and the brain.

“If microbes are controlling the brain, then microbes are controlling everything” —
Prof. John F. Cryan

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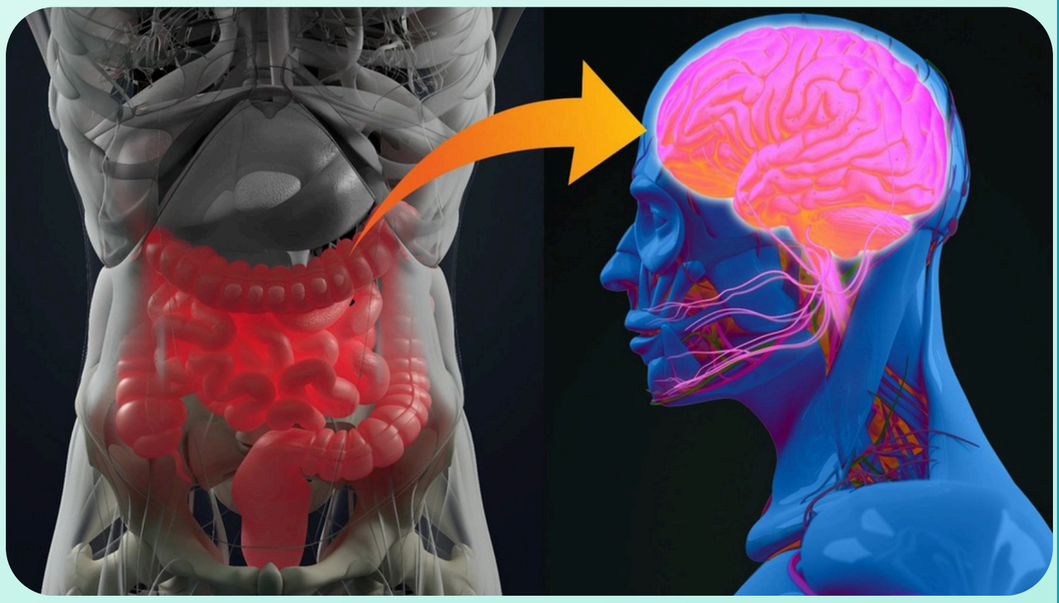
Innovation in Health and Longevity

Psychobiotics

Living microorganisms that confer a brain and mental health benefit by affecting the microbiota of the host organism (Dinan et al. 2013).

Health benefits:

- Enhanced Gut-Brain Axis Function
- Boosting Cognitive Health
- Promoting Longevity
- Mitigating Neurological Disorders
- Stress and Mood Regulation



UCC University College Cork, Ireland Coláiste na hOllscoile Corcaigh

Stanford MEDICINE

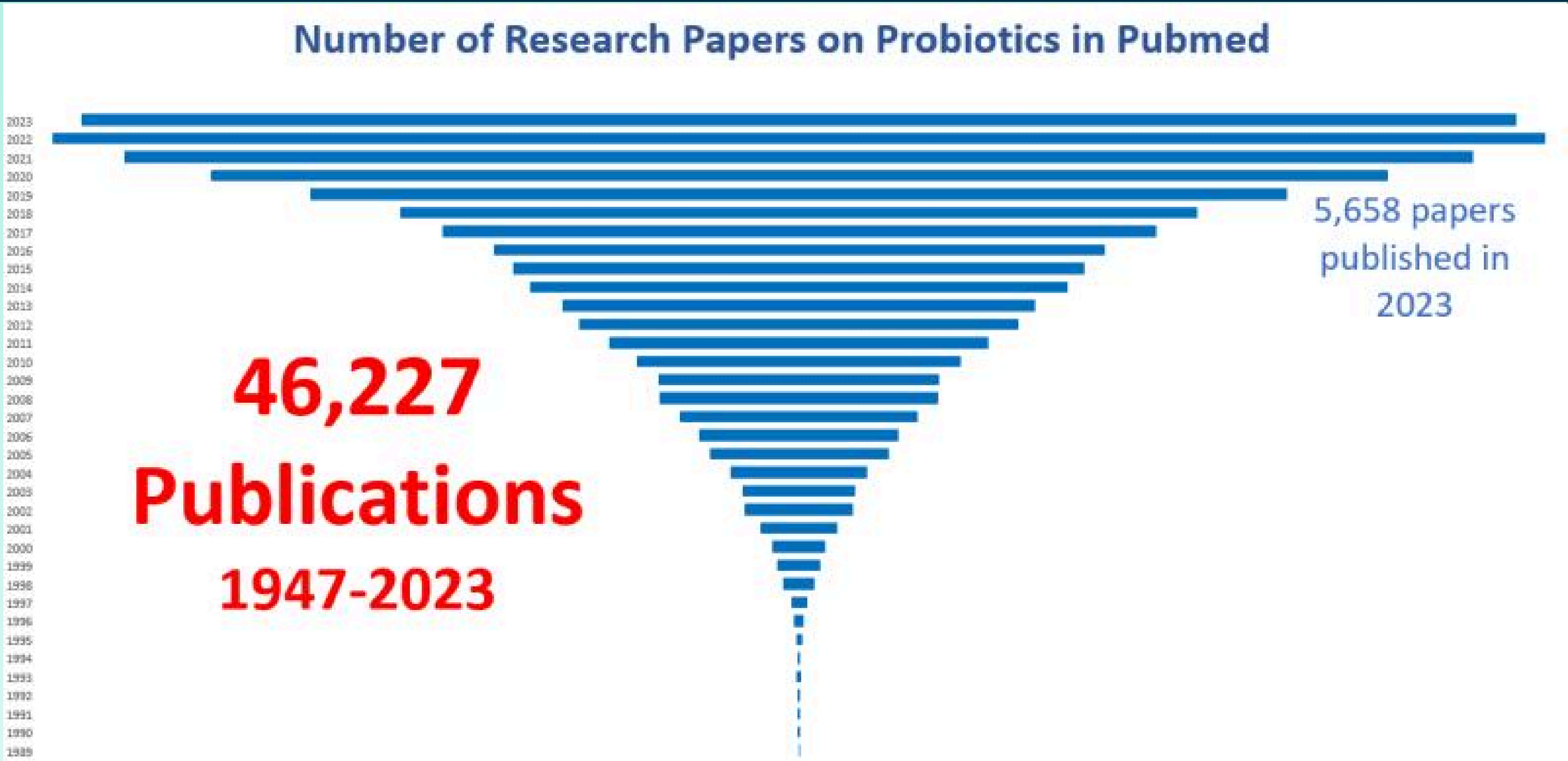
King's College London

Washington University in St. Louis School of Medicine

Johns Hopkins Medicine

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Probiotics


Number of Research Papers on Probiotics in Pubmed
2023
2022
2021
2020
2019
2018
2017
2016
2015
2014
2013
2012
2011
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1989
5,658 papers published in 2023
46,227 Publications 1947-2023

Applications and focus areas

Biotic solutions to be **integrated** into and enhance the health benefits of **food**, **beverage**, and **dietary supplement** brands







Also ideal for pre-psychedelic therapy preparation, ensuring a harmonized gut-brain connection for an enriched experience



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Integral Biotics® EasyMind®



- **Lithuanian** and **Polish** markets
- **Clinically tested** on healthy adults and children with ASD and ADHD
- Developed to **enhance mind functions**, including memory and concentration

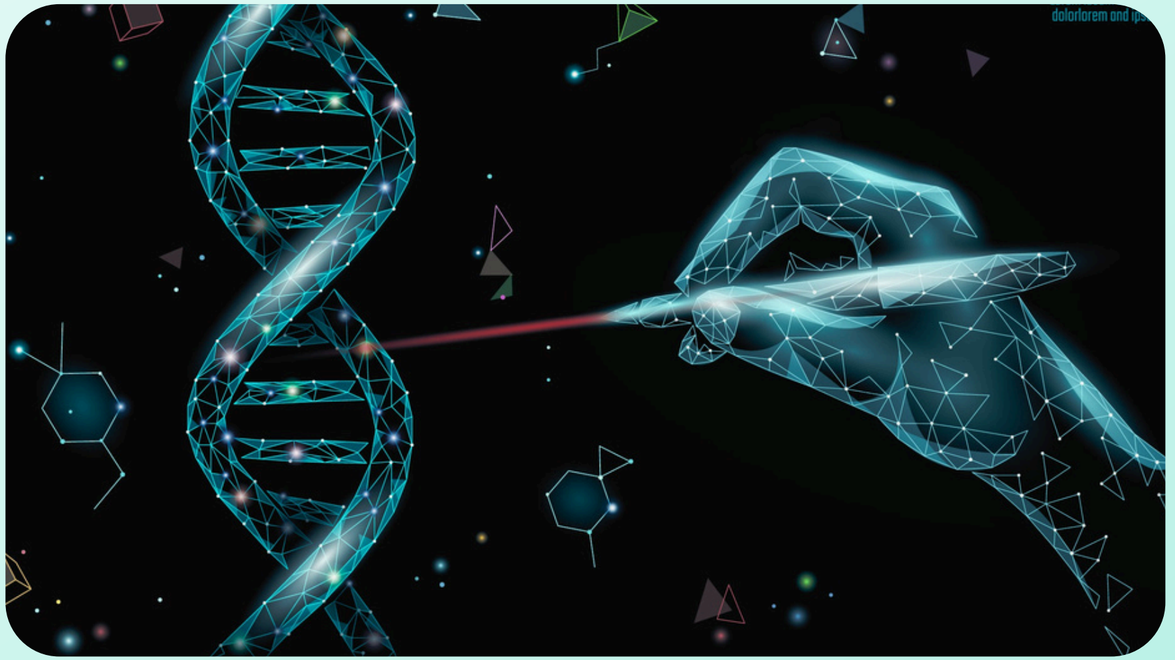
www.integralbiotics.com

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Enhanced psychobiotics

Using **AI** and **CRISPR** genome engineering technologies

- Precision engineering
- Focus on brain and mental health
- Rapid development and optimization
- Increased safety and efficacy



In collaboration with:

Vilnius University

Biomod AI

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Pro Beer

First-of-its-kind beer!

Designed to enhance health and performance!

In collaboration with:

GENYS BREWING CO.

KANEKA PROBIOTICS



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Pro Beer

"Champion Every Challenge"

Audience:
Athletes, professionals, health-conscious individuals.

Personality:
Intelligent, innovative, resilient.

Message:
Elevate your health, enhance your performance and champion every challenge with **ProBeer.**



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ProBeer

Everywhere. Everyday.

- Health-Enhancing Biotics
- Sustainable production
- Non-Alcoholic
- Peak Performance
- Natural Ingredients
- Broad Appeal



Size of the market

Adding just **one healthy year** to life expectancy could yield savings of **$40 trillion** in **healthcare** expenses and **productivity** gains

305.4 B

Total Available Market (TAM)
The global functional food market size

20.3 B

Serviceable Available Market (SAM)
The global non-alco beer market size

0.6 B

Serviceable Obtainable Market (SOM) **3% of SAM**



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Traction

- **Recurring revenue** from **Integral Biotics® EasyMind®** sales
- NutraIngredients **Probiota Pioneers 2023 winners**
- Multiple **international partnerships** (business, academic, NGOs)
- **Speakers** at health and biotech **international conferences**
- **KGAP+ (Japan)**, **FLASH (Taiwan)**, **MINI (Israel)** accelerators
- **LithuaniaBIO** Member

Media coverage:

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Founders

"Our mission: Leverage 10+ years of gut-brain health research and entrepreneurial success to create a global enterprise that improves the wellbeing of millions with innovative health solutions."



ŠARŪNAS BAČILIŪNAS
Chief Executive Officer
business dev. + startup exp.



DR. AURELIJUS BUROKAS
Chief Scientific Officer
neuroscience + microbiology

ACORIS INTEGRATED SMART SOLUTIONS
SKEPTIC YOUTH
ktu 1922 kaunas university of technology
Vilniaus Universitetas 1579 Universitas Vilnensis
Vilnius University
upf.
University College Cork

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Advisors



PROF. ARMINAS RAGAUSKAS
Neuroscience



PROF. RODOLPHE BARANGOU
CRISPR in probiotics



PROF. IGOR KOMAN
AI; Personalised medicine



PROF. JUOZAS KUPCINSKAS
Gastroenterology



DR. ERIC DALIRI
Functional foods



LAURA DABULYTĖ
Public Relations



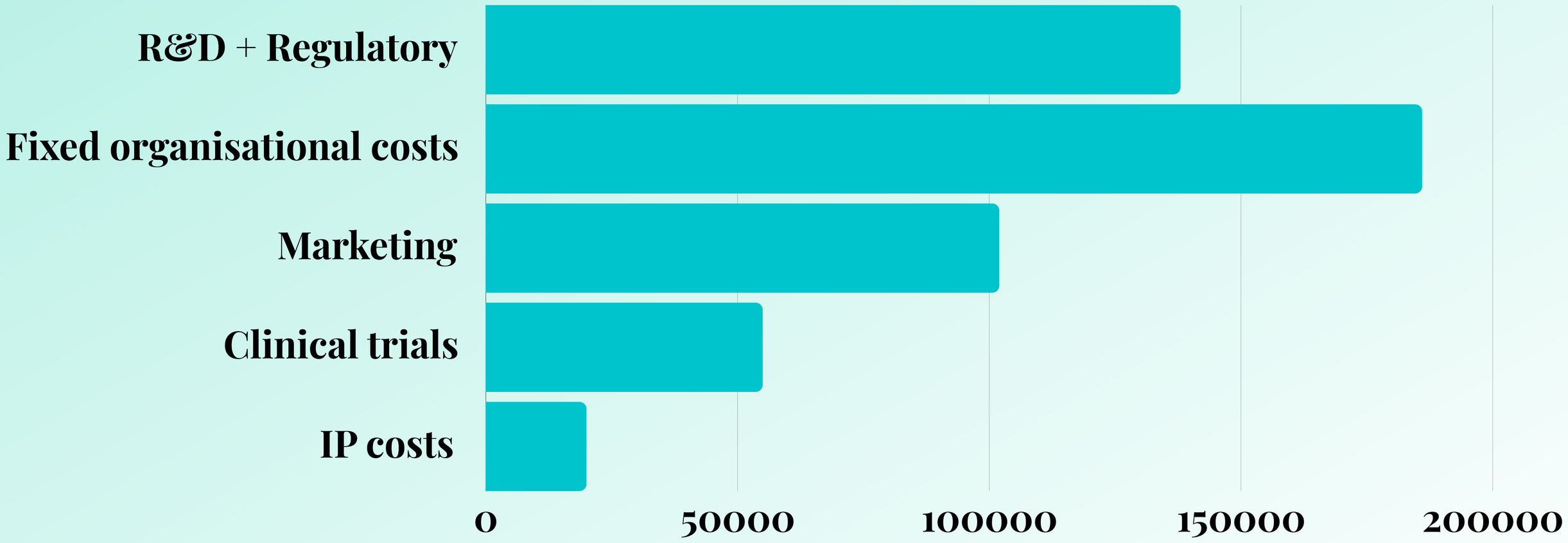
DR. VAIDAS DIRSĖ
Genetics; Longevity



DR. AUDRIUS GEGECKAS
Microbiology; R&D

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Capital Need



Need - 0.5 M eur pre-seed funding

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Integral Solutions

Let`s co-create integral solutions for a healthier world!

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