

Bio-Me

Microbiome Profiling

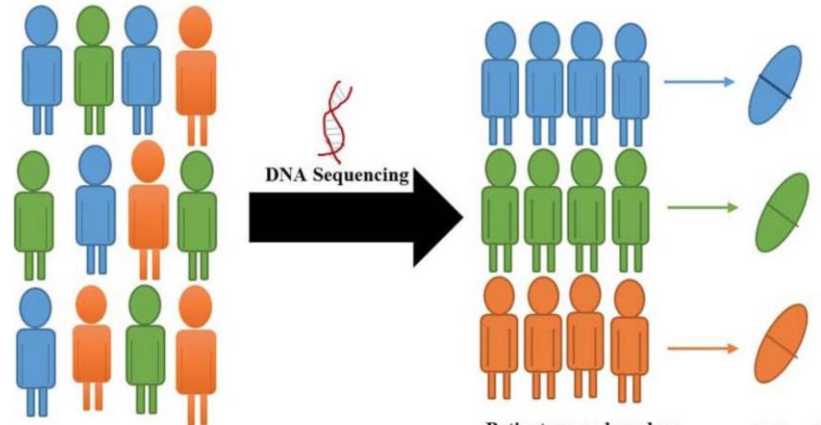
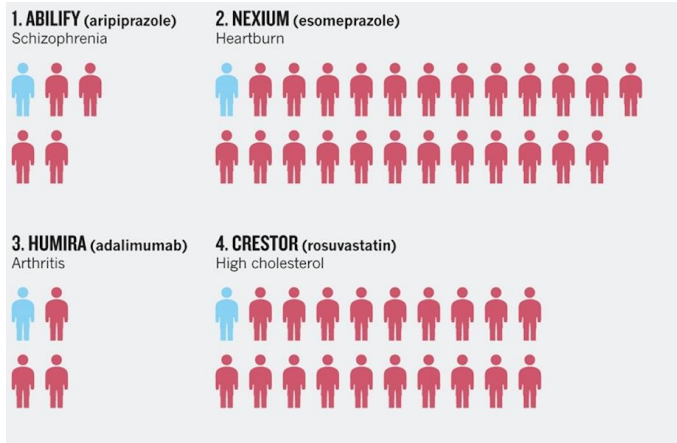
Bio-Me AS

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Positioning Microbiome Analysis for Precision Medicine

Morten L. Isaksen PhD
Founder & CEO Bio-Me

Precision Medicine – key to more effective treatments



Contribution of microbiome analysis to Precision Medicine

- Many drugs are metabolized by the gut bacteria
 - Digoxin (Chronic heart failure)
 - Metformin (T2DM)
 - Statins (CVD)
 - Immune Check-point inhibitors – responders/non-responders
- Increasing number of known drug-microbiome interactions
- Microbiome amenable to modifications
 - Dietary interventions
 - Probiotics
 - Prebiotics
 - Specific drugs (over 700 clinical trails)



Microbiome Analysis in Precision Medicine



Value-driver #1 – Precision Microbiome Profiling (PMP)

Current technologies

Precision Microbiome Profiling

4 - 6 weeks



1 day

Expensive



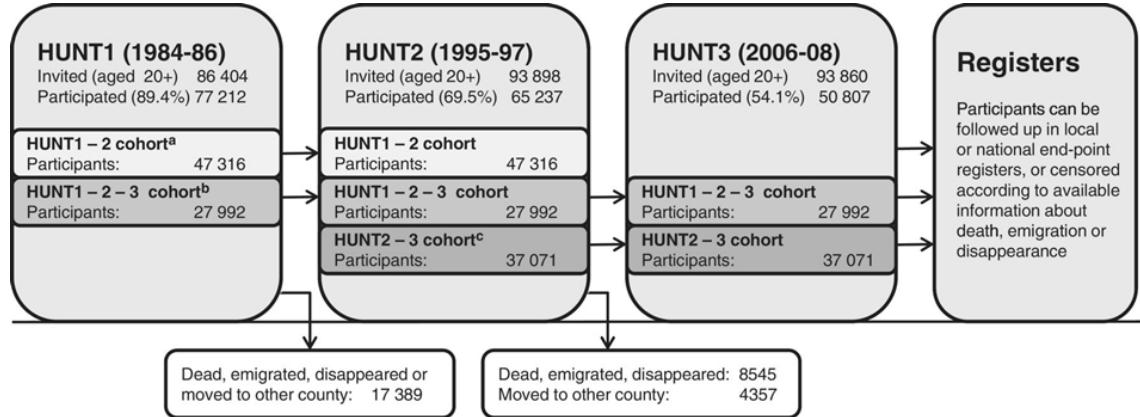
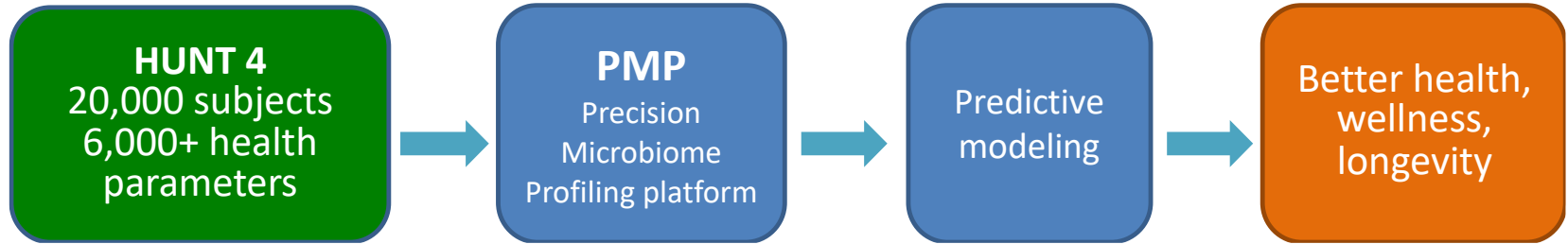
Cost-effective

Low-resolution



High-resolution

Value-driver #2 – Exclusive access to world-leading Biobank (HUNT)



Value-driver # 3 – Functional Precision Microbiome Profiling - f-PMP

Pilot Studies



- Tailor-made assay panels
 - Biobanks & small-scale studies
- Identify species & strains



Clinical Trials



- Focused assay panels
 - Multiple time-points
 - Larger studies & therapeutic trials
- Optimal routine screening

Delivering

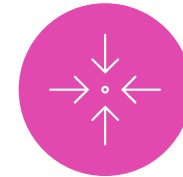
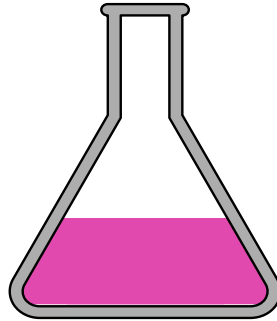
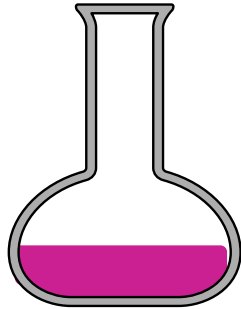
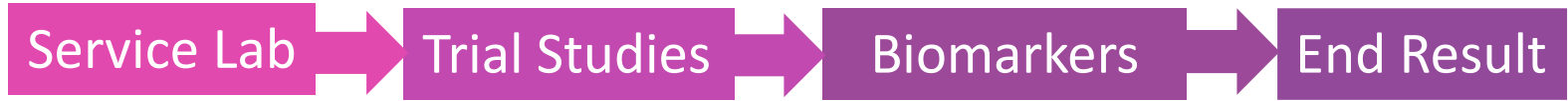


Companion
Diagnostics

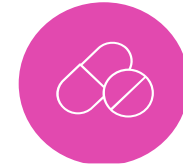


New Drug
Targets

Business model



Precision
Medicine



Drug
Discovery

Intellectual Properties

- 2 patents pending
- Thermo Fisher Scientific partnership
- In-house developed bioinformatics database & software tools
- Access to 15,000 – 20,000 fecal samples from HUNT study (incl. 6000+ health parameters)



The Gut Team



3 PhDs

3 MSc

Serial entrepreneur



Experienced Board



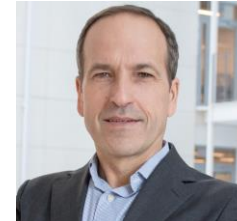
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