



BIOWEAVE

**Your biology deserves
better than a generic
supplement.**

Individual biology, illuminated.



OUR PURPOSE

Build medical-grade AI to power the most effective longevity system ever created for an individual.

Bioweave is an AI Health OS — a system that takes your blood, DNA, and lifestyle data, and builds a personalised supplement formulation that adapts as your biology changes. No two formulations are alike, because no two biologies are.

WHY WE EXIST

**Thousands of compounds discovered over centuries.
Millions of peer-reviewed studies.
8 billion unique biologies.**

Everyone has imperfect DNA and imperfect lifestyle factors. The science to address them exists — scattered across research papers, clinical trials, and centuries of discoveries.

But no system connects what science knows to what your body actually needs — until now.

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SECTION 01

Why This Matters

The science, the story, and the scale

The numbers are clear

60%

of Blueprint users
experienced side effects
in trials

as reported, NYT 2024

23,000

ER visits per year from
supplement reactions

NEJM 2015

99.5%

carry at least one actionable
pharmacogenomic variant

Swen et al., The Lancet, 2023

Your DNA and biomarkers can determine which compounds help, harm, or do nothing.

Recent advances in nutrigenomics show that genetic variants in key metabolic pathways — MTHFR, COMT, VDR, CYP enzymes — determine how your body processes, absorbs, and utilises specific nutrients. A supplement that helps one person can be ineffective or harmful for another.

Source: Livingstone et al., 2021; Nutrigenomics & Personalised Nutrition, Annual Review

“

I harmed myself with 'the right' supplements. MTHFR + COMT variants that conflict — standard methyl-B12 triggered an arrhythmia. Overstacked GABA production created dizziness and derealisation.

David Trewern, Founder

Almost everyone needs a bespoke protocol

15-20
%

Dangerous —
standard stacks
cause harm

40-50
%

Risky — wrong
forms, potentially
harmful

25-30
%

Wasteful — wrong
forms, wasting
money

~3%

Standard OK —
the rarest group

The Business Opportunity

A \$10B market with no personalised player

\$10B and growing

IM8 — \$100M ARR in 12 months

*David Beckham-backed.
Celebrity-endorsed stacks.
One-size-fits-all formulations.
No personalisation.*

Blueprint — \$20M day 1

*Bryan Johnson's protocol.
Sold out on launch.
His regimen, not yours.
No DNA integration.*

AgeMate — \$1.1M/mo

*Generic longevity stack.
Subscription model.
Same formula for everyone.
No biomarker data.*

All growing. None personalised.



BIOWEAVE

Samantha's stack.

(Not David Beckham's.)

What We Believe

- Science and data can now - and should drive health decisions, not marketing
 - Your biology is unique — your supplements should be too
 - Less is more — if there is not reasonable evidence of beneficial outcomes, it's not included
 - Transparency builds trust — every ingredient, every reason
- AI can connect data and patterns that humans can't. Humans have accountability that AI doesn't. We leverage both.
 - AI technology will continue to evolve — making Bioweave architecture self-improving
 - Quarterly reformulation keeps pace with your changing biology

SECTION 03

Our Solution

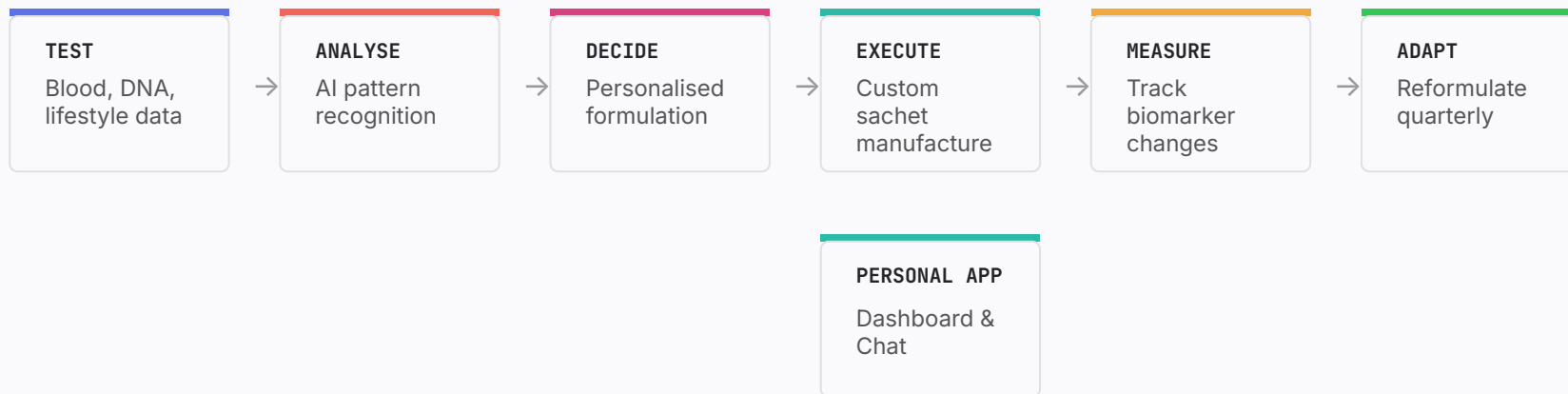
The AI Health OS



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The AI Health OS



A continuous loop — not a one-time purchase. Your formulation evolves as your biology changes.

Scientific AI Engine



7 Specialist Agents

Each domain — heart, brain, gut, hormones, fitness, genes, mind — has a dedicated AI agent with deep expertise.



Synthesiser + Critic

A meta-agent combines recommendations and a critic agent challenges every choice for safety and efficacy.



Multi-layer safety process

Every formulation receives a compound safety score. Interaction checks, dose limits, and contraindication flags.

Five safety layers. Every protocol passes all five.

Already operational on founder data: 78 genetic variants, 186 biomarkers, 5 pharmacogenomic interaction groups detected.

0

1 Pharmacogenomic Safety Index

✓ BUILT

Deterministic gene-compound conflict detection. Caught MTHFR+COMT methylation paradox, iron overload risk (HFE carrier), and statin interaction warnings.

0

2 Confidence Gating

✓ BUILT

Every recommendation requires minimum 85% confidence from the AI Medical Board. Critic agent challenges every claim. Low-confidence items held for investigation.

0

3 Evidence Grounding

✓ BUILT

Every compound mapped to peer-reviewed evidence. Grounding report flags knowledge gaps. Pending compounds not recommended until evidence threshold met.

0

4 Drug Interaction Check

✓ BUILT

Cross-references full stack against medications. Flagged Reaptan/ACE inhibitor interaction with potassium-sparing compounds in founder data.

0

5 Pathway Load Model

DESIGNING

Cumulative load modelling across biological pathways. Prevents over-stimulation from stacking. Our deepest technical moat — nobody else does this.

“

*Every formulation reviewed by a doctor
before you see it. Self-service speed.
Medical credibility. No booking. No friction.*

The Bioweave Promise



SIMPLICITY

Bryan Johnson takes 100+ pills. We design the simplest possible protocol.

Our AI doesn't just pick the right compounds — it optimises for the fewest possible interventions that deliver the greatest impact. Combination forms, optimal timing, and smart co-factors mean fewer pills, better absorption, and a protocol you'll actually stick to.

As AI evolves and new research is published, your protocol evolves too.

Most supplement companies formulate once and sell forever. Bioweave reformulates quarterly — incorporating new biomarker data, emerging research, and improvements in AI reasoning. Your health isn't static. Your supplements shouldn't be either.

Only what benefits. Nothing that doesn't.

Your price reflects your biology, not a fixed box. Two factors determine your protocol:

Essential

High-confidence compounds only. The minimum effective dose.

From \$89/mo

Optimised

High + moderate confidence. Broader coverage for your biology.

From \$149/mo

Maximum

Everything with positive expected value. Every edge your biology supports.

From \$199/mo

The AI recommends your tier. You decide how far to go. Nobody gets compounds that could harm them.

69 Compounds



26 Core Compounds

Foundation vitamins, minerals, and essential co-factors. The building blocks that nearly everyone needs.



20 Targeted Compounds

Pathway-specific nutrients based on your genetic variants. MTHFR, COMT, VDR, CYP — your genes guide the selection.



15 Specialised Compounds

Advanced compounds for your unique biomarker profile. Nootropics, adaptogens, and precision nutrients.

Targeting the hallmarks of aging — for YOUR biology.

IM8 targets 12 hallmarks with one formula for everyone. Bioweave identifies which hallmarks YOUR biology prioritises.

Identify

Your blood work and DNA reveal which hallmarks of aging are most active in YOUR biology. Not everyone ages the same way.

Target

We select compounds with evidence for YOUR priority hallmarks — from NAD+ precursors to senolytics to autophagy inducers.

Evolve

Retest every cycle. As your biology improves, the protocol shifts. Longevity is a moving target — your stack moves with it.

Compounds include: NMN, spermidine, fisetin, urolithin A, CoQ10, omega-3, curcumin — selected based on YOUR hallmark profile.

SECTION 04

Bioglyph

Your biology, visualised

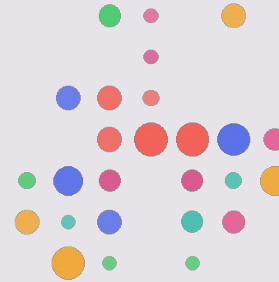


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BIOGLYPH

Your biology, illuminated.



●
Genes

●
Heart

●
Hormones

●
Fitness

●
Mind

●
Gut

●
Brain

*A unique visual fingerprint generated from
your biomarker and genetic data.*

EXAMPLE BASIC FORMULATION

● **CoQ10**

200mg

Mitochondrial heart
energy

● **Omega-3 EPA/DHA**

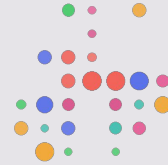
2000mg

Reduces LDL oxidation

● **Vitamin D3**

4000IU

Hormonal balance



David, 52

● **NAC**

600mg

Glutathione production

● **Mag Glycinate**

400mg

Sleep quality, COMT
support

● **L. helveticus R0052**

Psychobiotic,
GABA-boosting

THE PRODUCT

One sachet. Your biology. Delivered monthly.

Each sachet contains your personalised formulation — custom-compounded based on your biomarkers, DNA, and lifestyle data. Pharmaceutical-grade ingredients. Quarterly reformulation. Delivered to your door.



Competitive Position

Why we win

Optimised for You

IM8	BLUEPRINT	AGEMATE	BIOWEAVE
David Beckham	Bryan Johnson	Generic	You
×	×	×	✓
×	Partial	×	✓
×	×	×	✓
×	×	×	✓

SECTION 06

Proof

What we've built



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WE'VE BUILT IT

Not a concept. A working system.

Up to 400+ biomarkers analysed per user. 87% confidence scores on primary recommendations.

Every formulation includes a Safety Index with interaction checks, dose limits, and contraindication flags.

The AI engine is live. The formulation logic is proven.

Ingestion engine, profile gamification, security, dashboard, medical board, critic, synthesiser, chat with guard rails.

The world's most advanced health dashboard:

Unlimited biomarkers, DNA, wearables, imaging, physical assessments and user surveys, across seven domains.

7 of 7 domains have data · Strong foundation — additional tests would sharpen your formulation

Search biomarkers...

All Domains

All Status

Sort: Domain

295 biomarkers 141 flagged 7 of 7 domains

Cardiovascular & metabolic

Your cardiovascular profile continues to be dominated by critically elevated Lp(a) (230 nmol/L, more than 3× the upper limit) and persistently high LDL (4.7 mmol/L) and non-HDL cholesterol (4.97 mmol/L), which together with your strong family history and compound LDL genetic risk variants remain your most significant cardiovascular concern — though your recent coronary CT showed a reassuring zero calcium score. Your haemoglobin remains below the male reference range (132 g/L, Mar 2026) with a continuing downward trend, and declining ferritin (164 ug/L) warrants ongoing monitoring. All previously pending-validation biomarkers have now been confirmed against source data and fully integrated into this profile.

cholesterol

CARDIOVASCULAR

6.3 mmol/L HIGH

Measured: 2026-02-28

Optimal

5.6

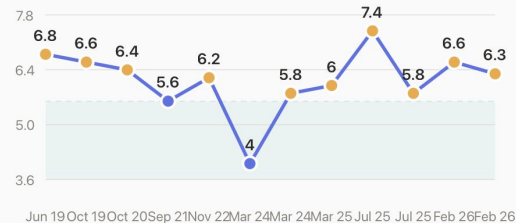
High

Range: <5.6 mmol/L

Trend: stable

Persistently elevated across multiple measurements (5.6–6.4 mmol/L since 2021). Most recent value 6.3 mmol/L (Feb 2026); Jul 2025 panel showed 7.4 mmol/L (random) and 5.8 mmol/L (fasting). Consistently above the <5.6 mmol/L target, reinforcing cardiovascular risk.

Trend over time



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Search biomarkers...

Genomics

All Status

Sort: Domain

Genomics

Your genomic profile remains comprehensive and well-characterised — your key methylation nutrients (folate >54.0 nmol/L, vitamin D 115 nmol/L) continue to be well-managed despite significant genetic risk variants including compound MTHFR heterozygosity, triple vitamin D risk, and multiple overlapping oxidative stress vulnerabilities (SOD2 TT, GSTT1/GSTM1 null, GPX1 CT, CAT AG). Your homocysteine is 10.2 umol/L (2026-02-28) — within clinical range, though suboptimal for your methylation variant burden. A fasting serum B12 numeric measurement remains the highest-priority missing data point to fully complete your methylation risk picture.

62 biomarkers

Discuss this domain

ACC2

rs2268388
AG

ACTN3

rs1815739
CT

ADIPOQ

rs17366568
AG

adrb2

GG

apoa2

CT

CAT

rs1001179
AG

COL1A1

rs1800012
GT

CYP1A2

rs762551
AC

cyp1b1

CG

cyp2r1

GG

dhcr7

GT

DRD2

rs1800497
TT

fads1

CT

folate

CC

FTO

rs1558902
AT

FTO

rs9939609
AT

fut2

AG

gc

AA

GPX1

rs1050450
CT

gstm1

NULL

gstt1

NULL

HIF1A

rs11549465
CT

mc4r

CT

methionine

GG

methfd1

AG

MTHFR

rs1801131
AC

MTHFR

rs1801133
CT

MTHFR rs1801133 — CT

C677T heterozygous — approximately 30–40% reduced MTHFR enzyme activity. Impaired folate metabolism and methylation. Use methylfolate not folic acid; elevated homocysteine is a concern. Genomic data is permanent reference.

PPARD

rs2267668

pparg

SLC16A1

rs1049434

SLC30A8

rs13266634

SOD2

rs4880

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Search biomarkers...

Cardiovascular & metabolic

All Status

Sort: Domain

Cardiovascular & metabolic

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115 biomarkers

Discuss this domain

folate

CARDIOVASCULAR HORMONAL GENOMICS
NEUROLOGICAL GUT HEALTH

>54.0 nmol/L NORMAL

Measured: 2026-03-09



ferritin

CARDIOVASCULAR HORMONAL GENOMICS FITNESS
MENTAL HEALTH NEUROLOGICAL GUT HEALTH

164 ug/L NORMAL

Measured: 2026-03-09



iron

CARDIOVASCULAR HORMONAL GENOMICS FITNESS
MENTAL HEALTH NEUROLOGICAL GUT HEALTH

20 umol/L NORMAL

Measured: 2026-03-09



Transferrin

CARDIOVASCULAR HORMONAL

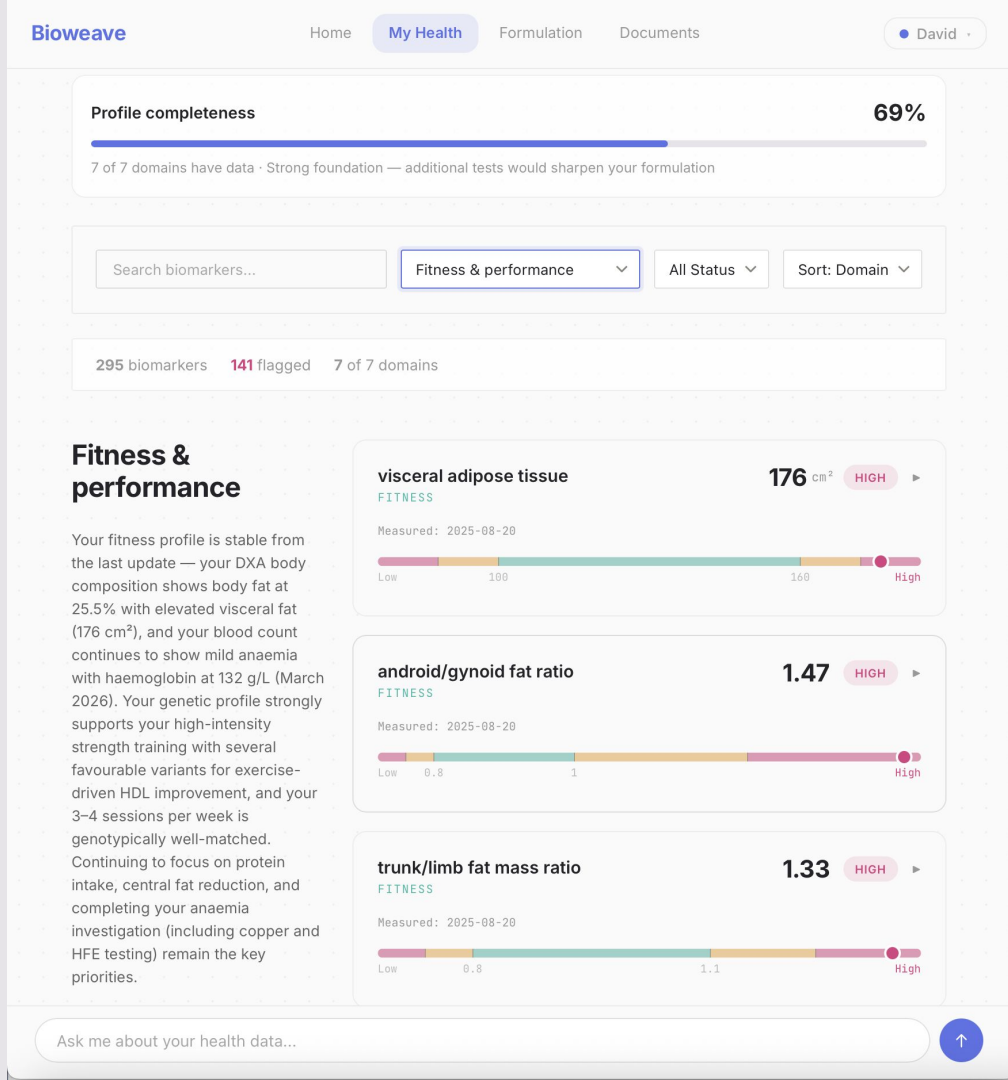
2.2 g/L NORMAL

Measured: 2025-07-31



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Search biomarkers...

Gut & microbiome

All Status

Sort: Domain

Gut & microbiome

Your gut structural markers remain in excellent shape — all liver enzymes, protein levels, and infection screens are well within normal range, and your lactate dehydrogenase continues its strong downward trend to 165 U/L. Blood mercury remains borderline at 55 nmol/L, worth keeping an eye on given its potential impact on gut microbiome health. The most meaningful gap in your gut picture remains the complete absence of microbiome-specific testing, which would reveal how your gut ecology is actually functioning beneath these solid structural markers.

9 biomarkers

Discuss this domain

acetate	akkermansia muciniphila	amylase	bifidobacterium	butyrate
calprotectin	coeliac	faecalibacterium prausnitzii	firmicutes/bacteroidetes ratio	food sensitivity
gut microbiome analysis	lactobacillus	propionate	roseburia	secretory iga
shannon diversity	zonulin			

RECOMMENDED

A comprehensive gut health panel including faecal calprotectin, secretory IgA, and a gut microbiome analysis measuring diversity, short-chain fatty acids (butyrate, propionate, acetate), and key commensal bacteria (Akkermansia muciniphila, Faecalibacterium prausnitzii, Bifidobacterium) would meaningfully fill the largest gaps in your gut profile — particularly relevant given your appendectomy in early 2025.

Upload results

Discuss

Ask me about your health data...



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Search biomarkers...

Neurological

All Status

Sort: Domain

Neurological

Your neurological profile is broadly stable and well-characterised this cycle — your homocysteine remains reassuringly normal at 10.2 umol/L, folate is well above threshold, and your HRV continues an overall improving trend despite day-to-day variability. The most important ongoing concerns are the continued decline in serum B12 (600 → 291 pmol/L since 2022, still within range but trending down given your MTRR GG genotype), sleep fragmentation with only 67% sleep efficiency, and the absence of any cortisol measurement despite your compound mineralocorticoid receptor genotype predisposing you to amplified stress responses.

28 biomarkers

Discuss this domain

Sleep Efficiency WEARABLE

67% LOW

NEUROLOGICAL

Measured: 2026-03-24



Range: 85-95%

Trend: insufficient_data

Sleep efficiency of 67% is substantially below the healthy threshold of 85%. This aligns with self-reported 2-3 night wakings and suggests disrupted sleep architecture despite an optimised sleep environment. Low sleep efficiency suppresses HRV recovery and cognitive performance.

HRV (rMSSD) — 2026-04-01 WEARABLE

40.3 ms BORDERLINE

NEUROLOGICAL

Measured: 2026-04-01



HRV (rMSSD) — 2026-03-31 WEARABLE

37.0 ms BORDERLINE

NEUROLOGICAL

Measured: 2026-03-31

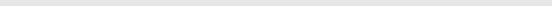


HRV (rMSSD) — 2026-03-23 WEARABLE

37.0 ms BORDERLINE

NEUROLOGICAL

Measured: 2026-03-23



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Search biomarkers...

Mental health & wellbeing

All Status

Sort: Domain

Mental health & wellbeing

Your mental health profile remains positive overall — strong motivation, generally good mood, and only occasional anxiety a few times per month. Your key brain-health markers (zinc, magnesium, mercury, ESR, iron) are all within normal ranges, and your genomic profile highlights a compounded stress-response pattern (COMT, MR, TH variants) that makes structured stress management particularly valuable for you. No formal screening scores (PHQ-9, GAD-7) are on file yet, which would meaningfully strengthen your mental health picture.

5 biomarkers

Discuss this domain

anxiety

MENTAL HEALTH

Measured: 2026-03-16

A few times a month

BORDERLINE

social engagement

MENTAL HEALTH

Measured: 2026-03-16

Moderately connected

BORDERLINE

Serum Ferritin Assay (historical)

MENTAL HEALTH

Measured: 2020-10-15

205 ug/L

NORMAL



MnSOD

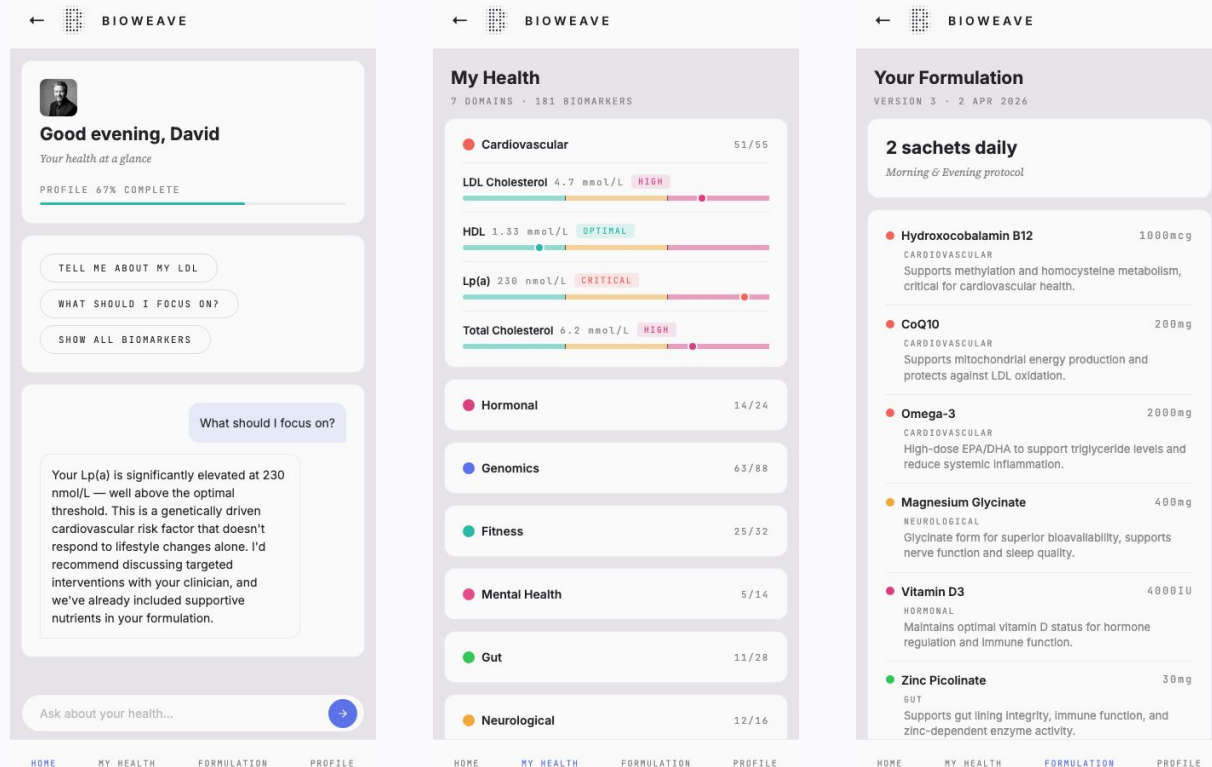
rs4880

TT

MnSOD rs4880 — TT

Homozygous risk genotype (TT) in manganese superoxide dismutase. Reduces mitochondrial antioxidant activity, increasing oxidative stress risk. Combined with iron levels at the higher end of normal, this raises the cardiomyopathy and oxidative burden risk noted in the report. Antioxidant-rich dietary strategies are recommended. Confirmed in source

Your health, in your pocket



SECTION 07

What's Next

Roadmap and ambition



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Action items

- **Brand**

- Marketing and launch plan
- Launch website and waitlist
- Content strategy: trust & science
- Ambassador programme
- Partnerships

- **Product**

- Beta formulation trials (Q2)
- Production system testing
- Regulatory review in Aus / USA
- Testing partners appointed
- Doctor / Pharmacist recruitment
- Manufacturing partner appointed
- Issue triage process
- App v1.0 release

- **Partnerships**

- Strategic advisory board
- Human medical board
- Pathology lab integration
- Research partners
- Health practitioner network

Building the Future

- **Product extensions**

- Expanded use cases
- Expanded product architecture
- further integrations
- Possible white label products
- Add on services (appointments, further testing, fitness, diet, community)

- **Data engine**

- Anonymised data feeds into the system to build intelligence
- Self improving system

- **Practitioner tools**

- Doctor patient dashboard
- Onboarding via GP, IGP, Natropath

Compliance by design, not afterthought.

AUSTRALIA (TGA)

- Compounded medicine pathway — doctor-prescribed, exempt from ARTG
- Every formulation reviewed by a registered doctor
- AI positioned as clinical decision support, not decision making
- Pharmaceutical-grade, GMP-compliant Australian manufacturing
- Advertising compliant with TGA Code 2021

UNITED STATES (FDA / FTC)

- 503A compounding pathway — licensed practitioner + pharmacy
- Doctor-in-the-loop satisfies practitioner requirement
- All claims substantiated with peer-reviewed evidence
- Positioned as personalised nutritional support, not treatment
- State-by-state compounding regulations mapped

1,000,000

people by 2030

*One million people with formulations built for their biology.
Not a celebrity's. Theirs.*



BIOWEAVE

Individual biology, illuminated.