bioAro™

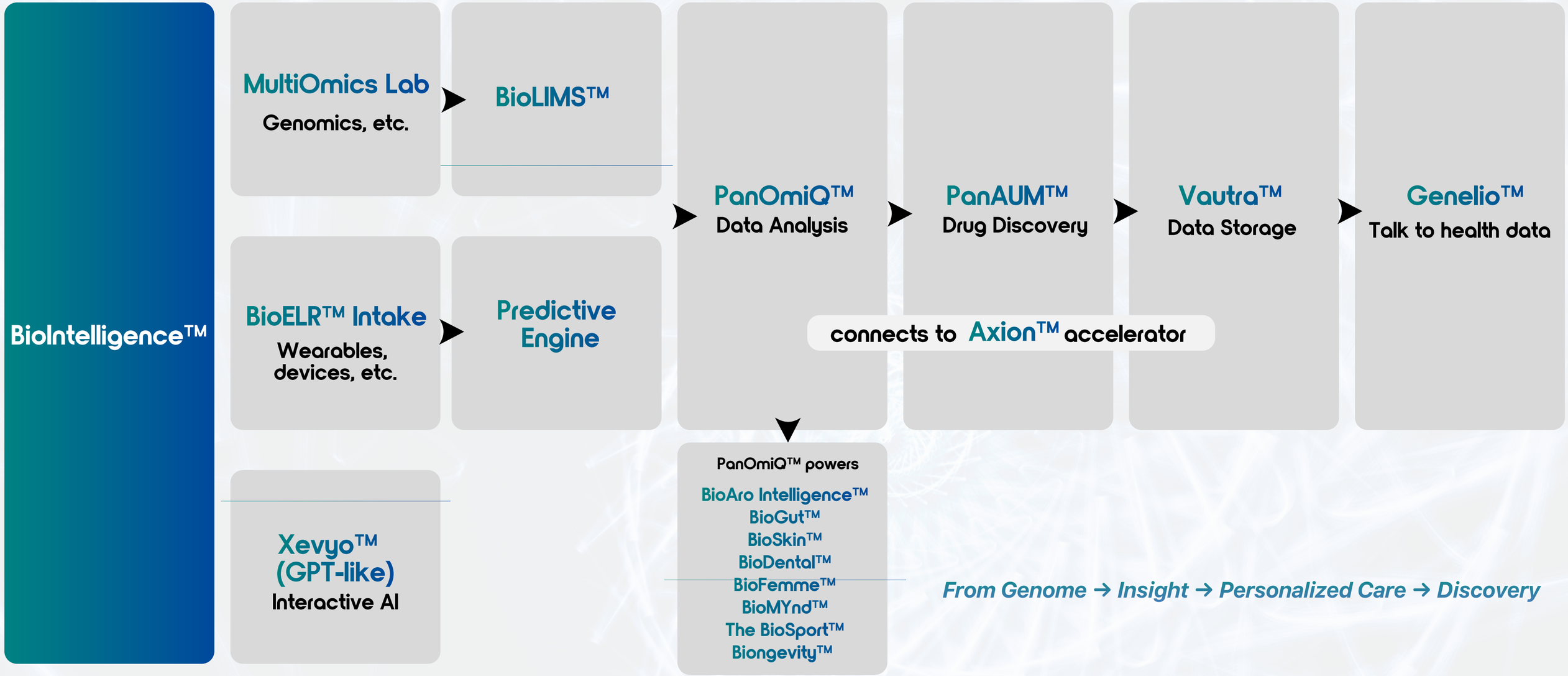
A Unified BioIntelligence Ecosystem for Precision Health & Longevity

About Us

BioAro Inc. is a Calgary-based **Canadian precision health biotechnology company** that has built an integrated ecosystem bridging laboratory and clinical medicine. A pioneer in AI-guided precision health, BioAro has developed and continues to advance software solutions for the collection, analysis, and integration of genomic, epigenomic, pharmacogenomic, microbiome, and wearable sensor–based patient data, enabling data-driven, personalized, and predictive medical care.

At the core of BioAro's ecosystem is **PanOmiQ™**, its proprietary software platform, which powers a network of specialized solutions spanning mental health, gut and skin care, women's health, sports performance, drug discovery, laboratory operations, and longevity medicine. Together, these platforms form a connected, blockchain-enabled ecosystem that delivers scalable precision healthcare with patient-controlled data ownership at its foundation.

BioAro Ecosystem Architecture



From Genome → Insight → Personalized Care → Discovery

BioELR™

BioELR provides continuous tracking of biological, genomic, and phenotypic metrics, enabling organizations to shift from episodic care to **continuous adaptive optimization**.

Features:

- Integration with wearables, metabolic sensors, sleep monitors, ECG patches
- Automated longitudinal visualization of:
  - HRV, BP, VO2, lactate threshold, metabolic flexibility
  - Hematology, CRP, NLR, lipid profile trends
  - Medication / supplement adherence

Biongevity Integration Use Case:

- Genomic risk, phenotypic response, and environment interactions rendered into clinical decision suggestions
- Clients monitored over 6 months demonstrated ***quantifiable improvements*** in biomarkers, inflammation scores, mitochondrial efficiency, and cardiovascular disease risk projections.

PanOmiQ™

One Platform. All Omics. Real-Time Insights.

AI-POWERED MULTI-OMICS TOOL FOR NEXT-GENERATION HEALTHCARE

CORE ADVANTAGES:

- AI-driven predictive analytics
- One consolidated, clinician-friendly report
- Data referenced from 30+ databases
- Edge-deployment
- Secure, compliant, and globally scalable infrastructure

Complex multi-omics data is transformed into clear, actionable intelligence precisely when it matters the most.

bioAro™

Healthcare 3.0

powered by PanOmiQ™

Healthcare 3.0 is the next generation of medicine. It is proactive, personalized, and powered by AI and multi-omics. Our specialized platforms focus on prevention, early detection, and care tailored to each individual. Patients are empowered to own their health data and make informed decisions for a healthier future.

BioAro Intelligence™

The BioAro Intelligence™ delivers Whole Genome Sequencing, Whole Exome Sequencing, Pharmacogenomics, and Epigenetic analysis, providing actionable, personalized guidance for preventive and proactive health. It serves individuals, clinicians, and healthcare providers seeking precision medicine solutions.

BioGut™

BioGut™ provides personalized nutrition, lifestyle, and therapeutic recommendations through multi-omics and microbiome profiling. It serves individuals, clinicians, and nutritionists seeking proactive digestive and overall health management.

BioSkin™

BioSkin™ provides AI-driven microbiome analysis, predictive monitoring, and personalized skincare recommendations. It serves individuals and dermatologists seeking proactive skin health management.

BioDental™

BioDental™ combines AI, microbiome, and genomic analysis to deliver early detection and personalized oral health guidance. It serves patients and dental professionals seeking proactive preventive care.

BioFemme™

BioFemme™ provides personalized reproductive and vaginal health insights, infection prevention recommendations, and continuous monitoring. It serves women and healthcare providers seeking proactive, individualized care.

BioMYnd™

BioMYnd™ monitors cognitive health in real-time, delivers precision diagnoses, and offers gamified brain wellness tools. It serves individuals and clinicians seeking proactive mental health management and personalized interventions.

The BioSport™

The BioSport™ is an AI-powered platform for personalized health, and performance. It integrates multi-omics, biomarkers, and real-time results from wearables sent to the BioSport App to deliver tailored training, recovery, and nutrition strategies.

Biongevity™

Biongevity™ combines virtual clinics, Super App monitoring, and personalized wellness products to extend healthspan and manage chronic conditions. It serves individuals seeking long-term health optimization.

BP Aro

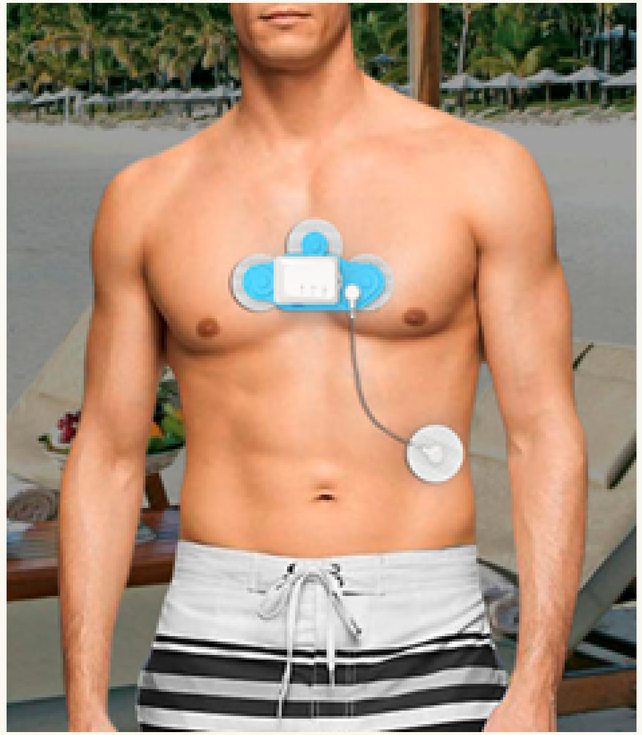
An AI-driven **24-hour Ambulatory Blood Pressure Monitoring (ABPM)** device capable of comprehensive (remote) assessment of Blood Pressure and cardiovascular health, including **coronary artery disease**, heart attack, heart failure, stroke, arrhythmias, and peripheral artery disease. **FDA & Health Canada approved**.

www.bparo.com

CardiAro

AI-powered **Patch Holter Monitor** for continuous, real-time cardiac rhythm analysis with clinical-grade accuracy.

Replaces traditional Holter and event monitors by enabling early detection of arrhythmias, ischemic events, and heart rate variability. Designed for both clinical and home use, CardiAro supports faster diagnosis and better patient outcomes.
FDA & Health Canada approved.



BPAro Active+

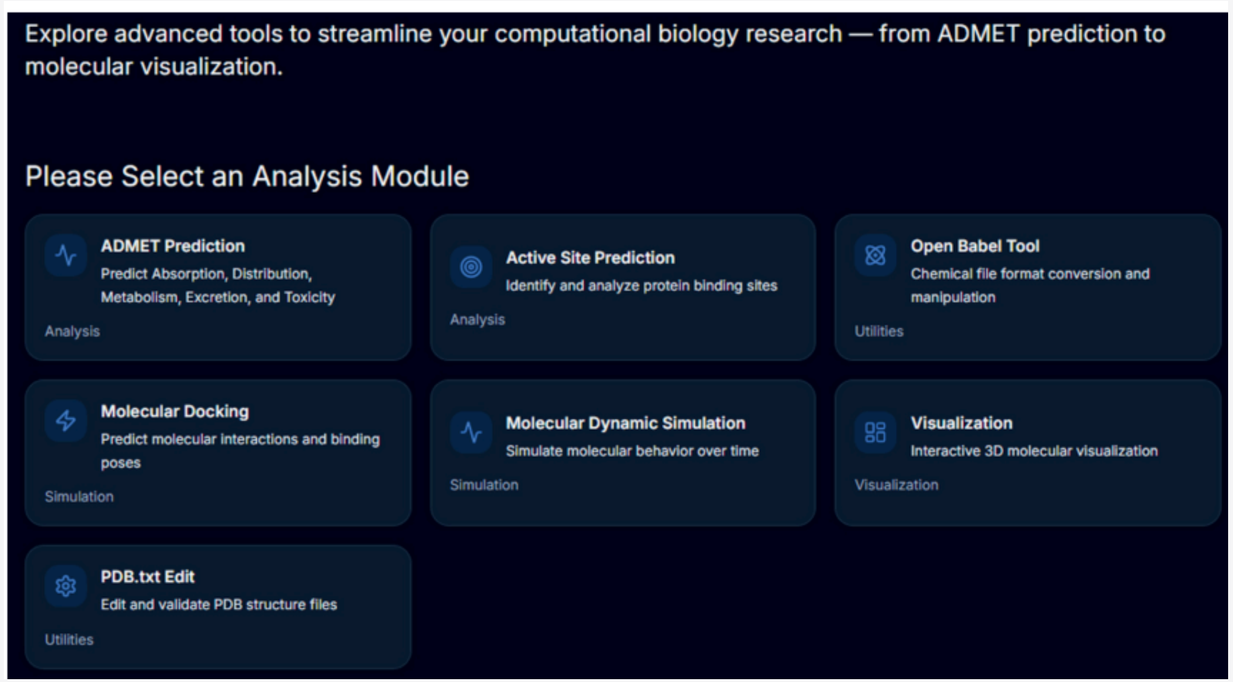
AI-powered multi-sensor prototype for continuous monitoring of **vital signs and cardiovascular health.**

Combining **PPG, ECG, and posture sensing**, it delivers real-time insights on blood pressure, oxygen saturation, heart rate variability, hemodynamic parameters, and more. Its context aware signal processing ensures accuracy even during movement or postural changes, making it a reliable solution for proactive health management and remote monitoring in everyday and high-demand settings.

PanAUM™

Clean. Intuitive. Modular

CENTRAL DASHBOARD FOR MODULE SELECTION



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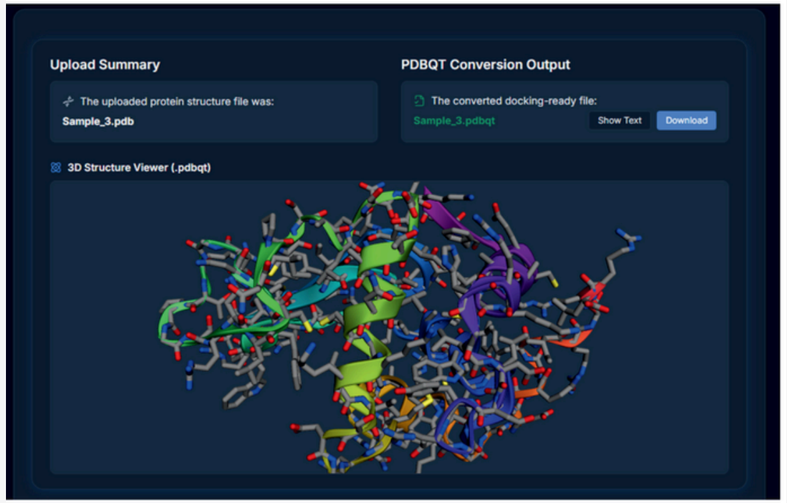

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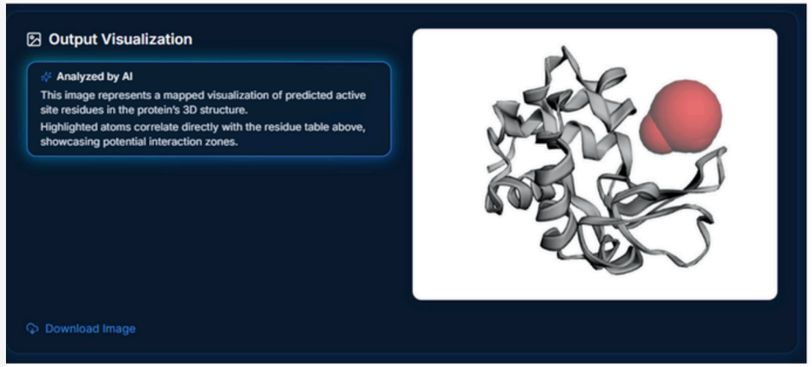


bioAro™

Vautra™

The Future of Decentralized Web3 Data Storage

THE DECENTRALIZED CLOUD

Vautra™ offers HIPAA-ready, API-integrated storage with 99.99% uptime across decentralized nodes. It enables businesses to secure sensitive data while ensuring compliance and auditability.

Secure patient data, continuous access

Protect intellectual property globally

Tamper-proof infrastructure

Secure real-time monitoring across multi-node networks

Immutable audit trails, fraud prevention

Axion™

Redefine speed, sovereignty, and scalability

POWER TO THE ECOSYSTEM

The **Axion™** Series is a proprietary family of intelligent hardware systems, designed to deliver on-premises, FPGA-accelerated, sovereign AI computation for healthcare and research environments. The **Axion™** line, including **Core, Ultra, and Supreme**, enables hospitals, research institutes, and national health programs to deploy technology seamlessly, with each tier tailored to varying operational and data processing needs.

Together, **Axion™** and **PanOmiQ™** redefine speed, sovereignty, and scalability, ensuring that the future of medicine can operate anywhere, securely and intelligently. This integrated hardware-software ecosystem empowers healthcare providers and researchers to harness data-driven insights with unprecedented efficiency and control.

bioAro™

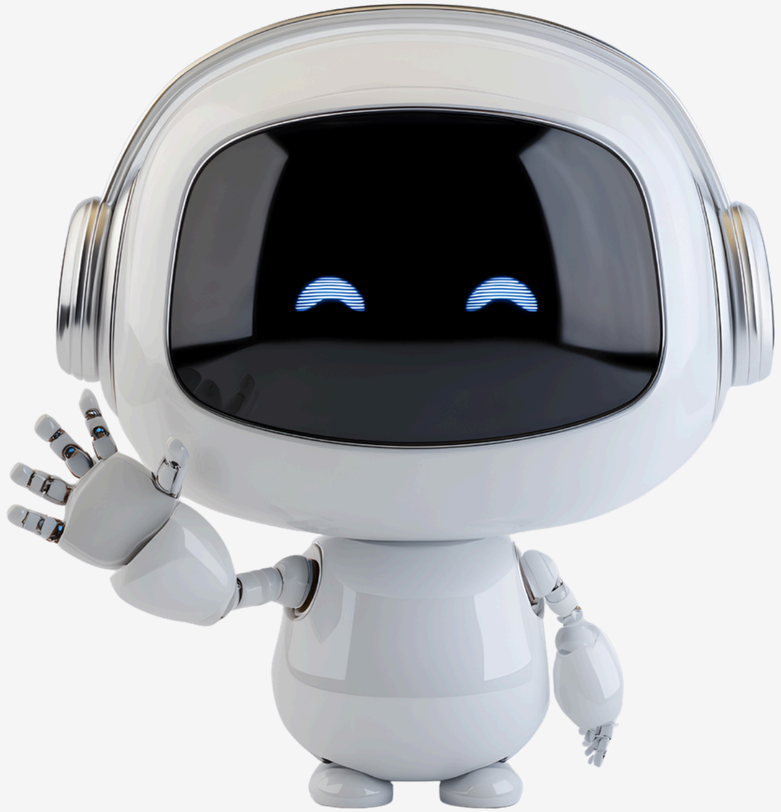
Genelio™

Talk to your biology. Get real-time, DNA-powered insights for everyday wellness.

TALK TO YOUR DNA

Genelio™ transforms how you understand and manage your health by turning your DNA into an interactive conversation. Powered by advanced AI and genomics, Genelio™ interprets your biological data in real time to deliver personalized recommendations, from nutrition and fitness to sleep and supplements.

Name your DNA, ask questions like ***"What should I eat today?"*** or ***"Which supplement fits my biology?"***, and receive instant, science-backed insights unique to your genetic profile.



bioAro™

bioSport

Transforming Athletic Performance through Advanced Multi-Genomics and AI-driven Insights

ULTIMATE SOLUTION

THE BIOSPORT

AI-Powered Fitness and Wellness

The BioSport is the science at the intersection of sports health and advanced personal genomics technology.

- Endurance
- Strength
- Power
- Speed
- Flexibility
- Energetic Expenditure
- Mental Aptitude
- Neuromuscular Coordination
- Metabolic
- Cardio-respiratory Fitness

THE BIOSPORT PROCESS

Advanced Whole Genome Sequencing technology combines with The BioSport to generate a comprehensive SWOT analysis from proprietary algorithms to reveal a complete view of your athletic potential.

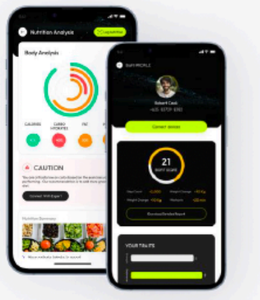
DNA EXTRACTION

GENOME SEQUENCING

DATA ANALYSIS

BIOFIT * SCORE REPORT

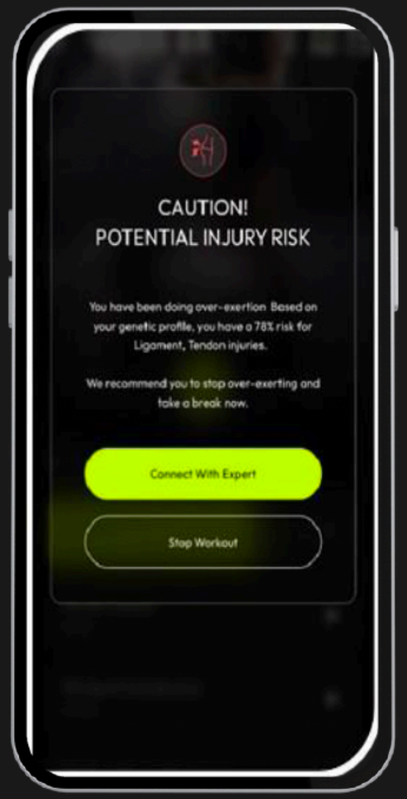
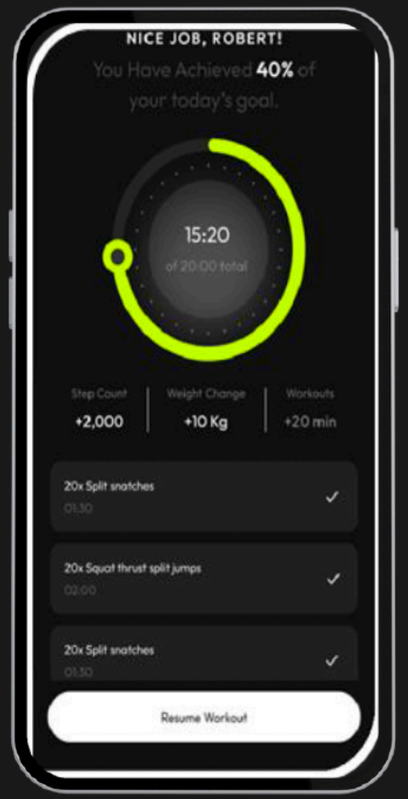
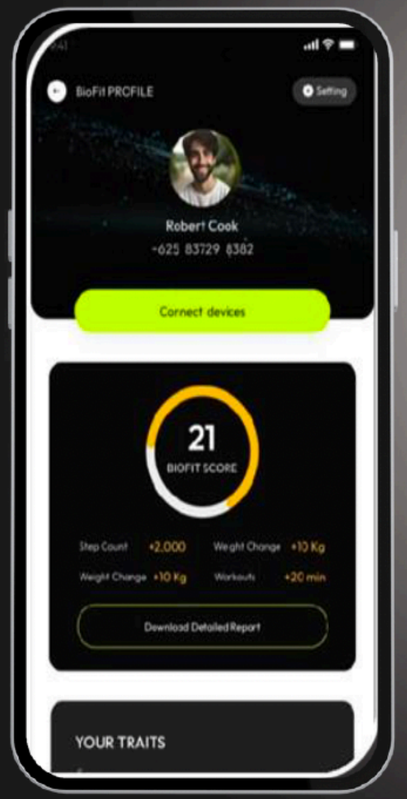
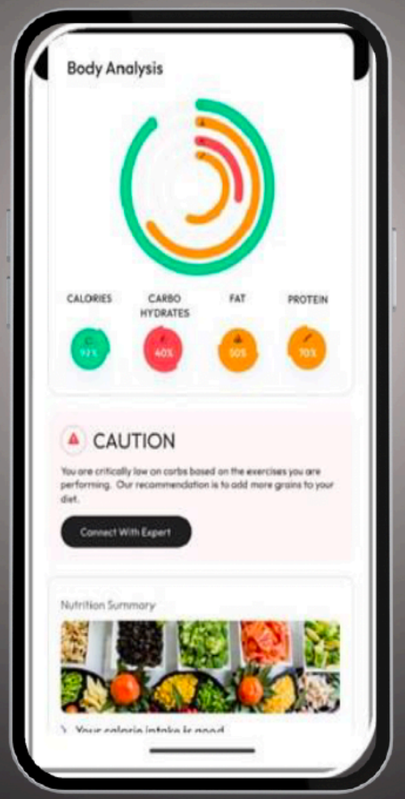
PERSONALIZED BIOSPORT PLANS



*Patent Pending - 2024

THE BIOSPORT TECHNOLOGY

AI-integrated platform for personalized exercise and nutrition routines, and genomic insights with the help of experts just a click away.

Together with PanOmiQ

Compatible with