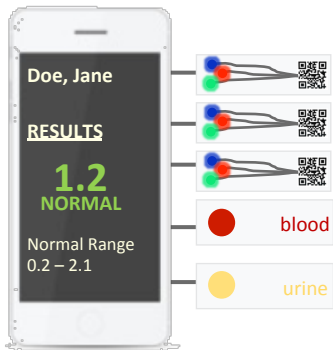


Mobile Biosensing Diagnostics

Liquid biopsy point-of-care diagnostics

WHAT WE DO

From researchers at academic medical centers and veterinary medical clinics to individual consumers, Mobile Biosensing Diagnostics (MBD) revolutionizes diagnosis at the point-of-care, not the lab. With an optical microfluidic biosensing platform, we speed disease detection at a lower cost. MBD is bringing personalized medicine to the masses.



MARKET DRIVERS

- Aging world population
- Hospital demand in developing countries
- Accelerated consumption of health care
- Society demanding instant and continuous data and results

MARKET SIZE

Global *in vitro* diagnostics market is estimated to reach \$75.1 billion by 2020. The emerging liquid biopsy market is gaining traction as a \$15 billion market during the same period.

COMPETITORS



ThermoFisher
SCIENTIFIC



PROGRESS & MILESTONES

- Maintain patent and expand intellectual property portfolio
- Complete pilot to clinically validate hardware, software, and conclusions
- Established partnerships with established *in vitro* diagnostic companies
- Prepared for early stage product dev & testing at KSU Veterinary School

TARGET CUSTOMER PAIN POINTS

- Academic research labs and veterinary medicine need lower cost diagnostic solutions while preserving the sample
- Individuals crave answers, even anecdotal and non-diagnostic
- Hospitals and diagnostic labs performing biopsies need cheaper, safer alternatives with faster recovery and results
- Retail pharmacies need additional revenue streams

THE PRODUCT

- Offer instrumentation at no cost, then sell reagents and services
- PHASE 1: Research-use only test kits then direct-to-consumer kits
- PHASE 2: Veterinary *in vitro* diagnostic kits and testing services
- PHASE 3: Human *in vitro* diagnostic test kits and testing services

DIFFERENTIATION

- Low cost, highly accurate, mobile point-of-care diagnostic platform
- Incorporates detection of genome, proteome, secretome targets with the same urine, blood, or lavage sample
- Quantifies protein activity, improves sensitivity, streamlines processing, and simplifies the user experience

ADVISORS

Alan Brasier, MD ♦ Stefan Bossmann, PhD ♦ Massoud Matamedi, PhD ♦ Chris Culbertson, PhD

MANAGEMENT TEAM

Alexander Vo, PhD ♦ Chris Brandt, JD ♦ Ryan Westberry, MS, MBA