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Company Overview

Industry Sector: Biotechnology

Company Overview: Arrayomics has developed a versatile high throughput liquid phase assay platform for life science applications. All existing assays that are planar or bead based arrays can be ported onto Arrayomics' ArrayESP platform with ease. ArrayESP platform offers a complete microarray solution that scales across the entire multiplex space at competitive cost.

Target Market(s): We are targeting small academic laboratories and small industry users for our initial product launch. Currently we are developing a diagnostic application in China with a partner company. Another market that we are pursuing is the biomarker discovery and drug screening application.

Key Value Drivers

Technology*: Combining the superb workflow and assay kinetics of particle system with the readout speed, throughput and sensitivity of a planar microarray, ArrayESP offers a unique hybrid platform that is superior to commercially available microarrays. Currently we are developing a quantitative high-plex protein microarray assay.

Competitive Advantage: The ESP platform is conveniently scalable from low plex, low throughput to high multiplex and high throughput at minimal cost and without significant changes in workflow. Initial capital investment to start using the ArrayESP platform is low as it can be adapted to use existing microarray scanners.

Plan & Strategy: Arrayomics is seeking strategic partnerships for sales and distribution and partners for assay co-development.

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Management

Leadership:

- David M. Rothwarf – (President and CEO) PhD from Cornell in Chemistry.
- Bao T. Nguyen – (Vice President) MS from SDSU in Bioengineering.
- Edward Castellanna – (Senior Scientist) PhD from Texas A&M in Chemistry.
- Bruno Daltro – (Business Manager) BA from CSUF in Finance.
- Chris D. Herold – (Fellow) PhD from UCSD & MBA from Cornell.

Product Pipeline



Keywords: microarray, proteomics, multiplex, high throughput, biomarkers.