High-Throughput Optical Deformability Measurement
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**Description:** This invention provides a method to measure cell deformability in a dynamic, flowing system, using an integration of novel laser configurations within a microfluidic system. This optical stretching is able to distinguish between normal, cancerous and metastatic mouse fibroblast and human breast epithelial cells. A correlation between this method and other methods used has been observed, with the new method being more sensitive in identifying specific cell types.

**Potential Areas of Application**
- Medical research
- Medical diagnostics

**Main Advantages of this Invention**
- More sensitive than most methods
- Ability to use in a dynamic, flowing system
- Doesn’t require careful storage or the disposal of cytotoxic reagents

**Intellectual Property Status:** Patent pending

**ID number:** US Patent Application 12/167,136

**Opportunity:** We are seeking an exclusive or non-exclusive licensee for marketing, manufacturing, and sale of this technology.

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