

## Simulated Human Body: Features and Benefits

- Benefits:
  - Accurate drug testing; safety and efficacy
  - Able to test combination therapies and immunotherapies on solid tumors
  - Affordable (only \$5 per organ on a chip and hydrogel)
  - Results in 7 days
- Features:
  - Mimics human body during cancer treatment using tumor module, liver module and circulating blood with excretion
  - Automated and programmable drug injection system
  - Compact design
  - Organ on a chip (tumor and liver module) are built on a microscope slide for easy imaging

### Pharmaceutical companies:

- Conduct multiple clinical trials per year and need to identify the patients most suitable for a new therapeutic
  - New therapeutics that are meant to be used in combination need testing with various combinations to find the most suitable for clinical trials
  - Pharma companies need research tools to improve their late stage drug development to save money on clinical trials costs, which can waste up to \$500 Million if they fail
  - Big pharma need research tools to test new immunotherapies
- Clinical Research Organizations:
- Conduct clinical trials for pharma companies
  - Patient selection is crucial and Ourotech can select the ideal patients for a new therapy for successful clinical trials
  - A successful clinical trial is critical for maximizing revenue

### Hospitals:

- Need to maximize patient survival rates, which requires getting the right treatment the first time
- Ourotech's device integrates with existing pathology practices. A small tumor sample is taken from a breast cancer biopsy and some cells are used in Ourotech's device alongside tests like Herceptest and other HER2+ measurement assays
- Doctors can order the test like any existing HER2+ level measurement test - Results in 7 days to give each patient their ideal treatment

### Clinical Labs:

- Tests are ordered by doctors just like HER2+ level measurement tests