



# Sam Kavusi, Bosch Research & Technology

## Cell Interrogation Platforms

### Application

- Benchtop cells interrogation platforms to compliment high throughput flow cytometry applications
- Addresses the need for biology research for
  - Autoimmune diseases and cancer
  - Biofuels

### Research Needs

#### Scientific/technological problems and barriers:

- Miniaturization of Nodality's platform
  - Chemical delivery
  - Detection
- Alternative solutions

### Advantages

#### Impact:

- Enable multi-dimensional cell study platforms
- Research time/cost reduction by better biology/immunology

### Metric(s) of Progress

#### 3 Year Goal:

- Concept demonstration

#### 7 year Goal:

- Commercial prototype

**Resource requirements: [\$0.5M, 5 PhD students, Near term goal 3yrs; Long term goal 7yrs]**