

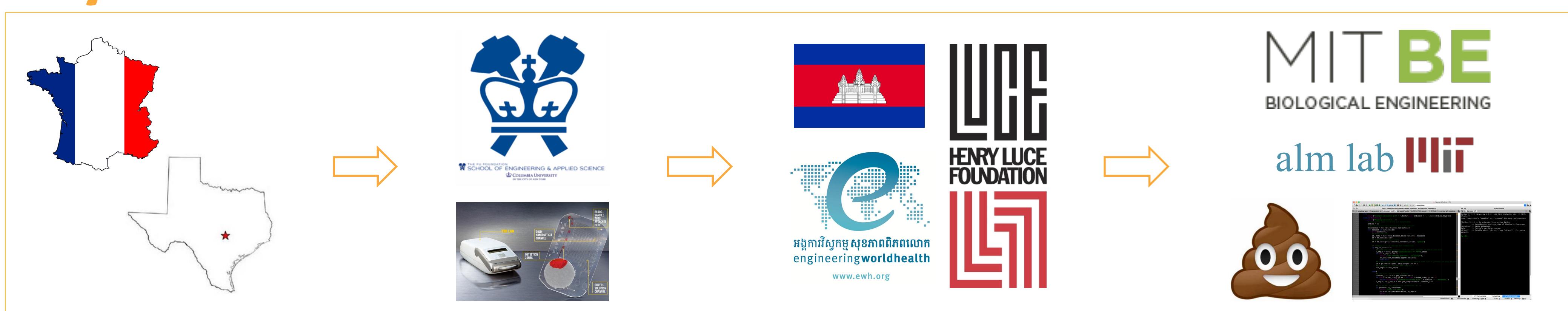
# Claire Duvallet

Department of Biological Engineering | Alm lab



Graduate Woman of Excellence

## My Path to MIT



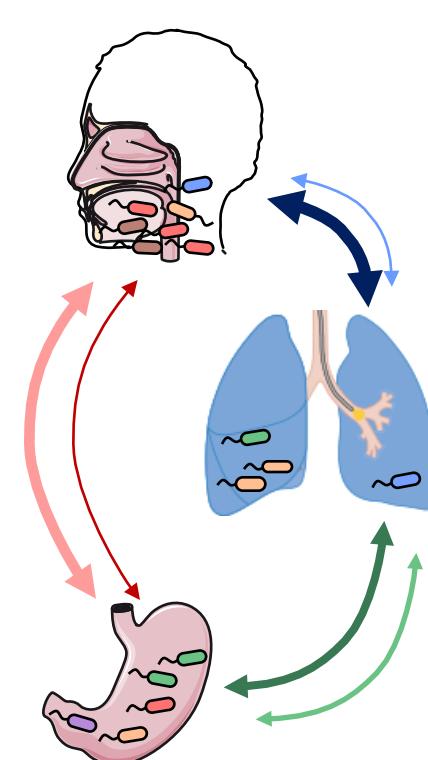
## Involvement at MIT: Work and Community

### Aspiration of oral microbes alters lung microbiome of aspirating children

Throat, stomach, and lung microbiomes are connected

Lung microbiomes of aspirators are more similar to throat than stomach

How is gastroesophageal reflux involved?

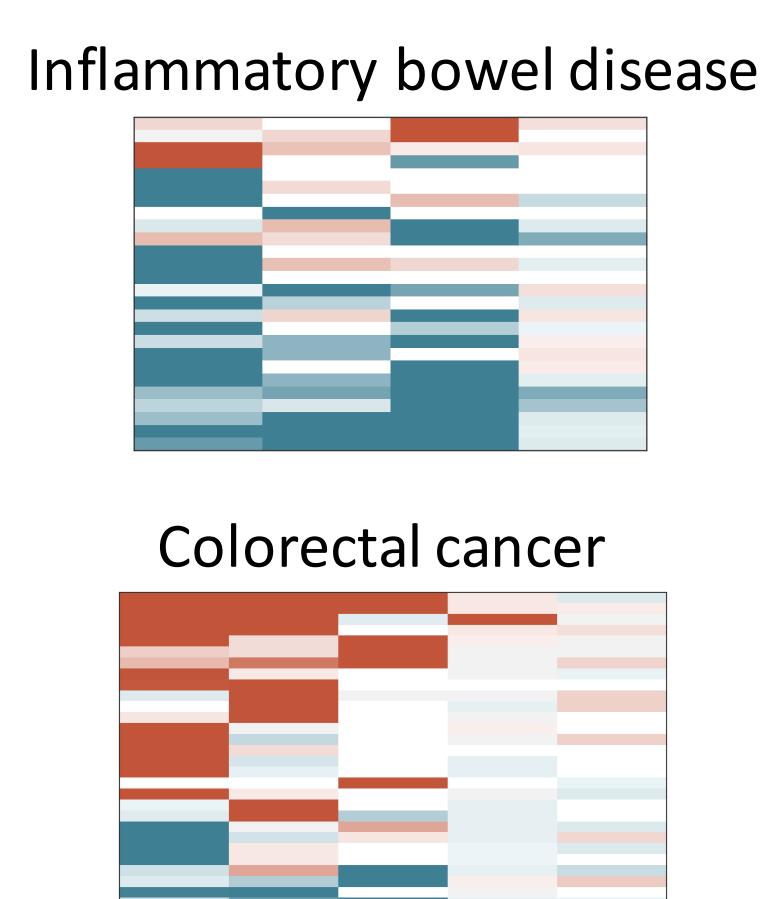


### Universal patterns of disease-associated gut microbiome shifts

Meta-analysis within and across diseases

Consistent and specific disease-associated shifts

Core microbial responses to disease

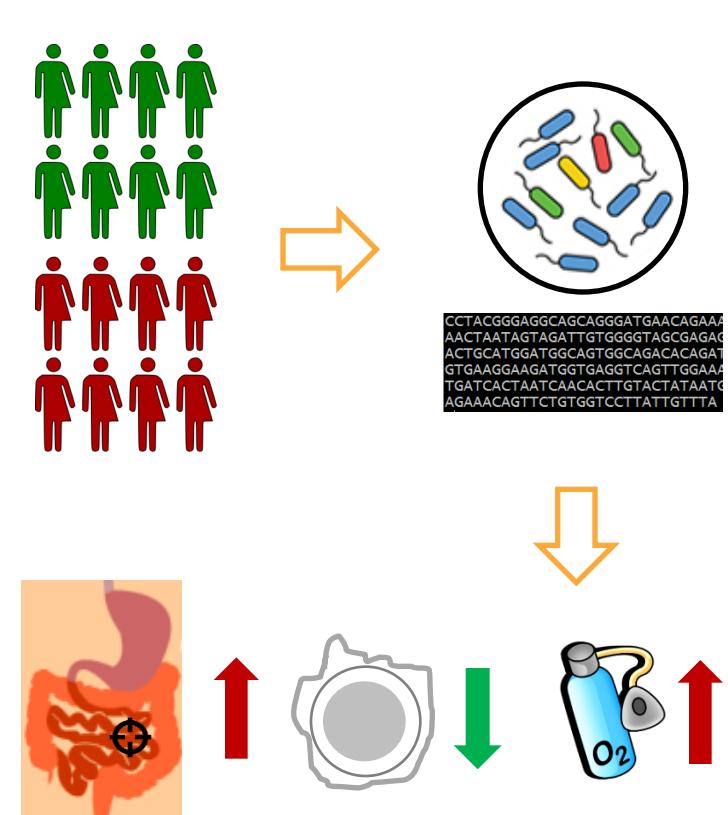


### Trait annotation tool to interpret microbiome studies

Studies yield lists of significant bacteria

Methods to interpret results and generate hypotheses are disconnected

Build a tool to consolidate existing and incorporate new knowledge



### BE REFS

Conflict management  
Student advocacy  
Rogue change makers



### BE Grad Board

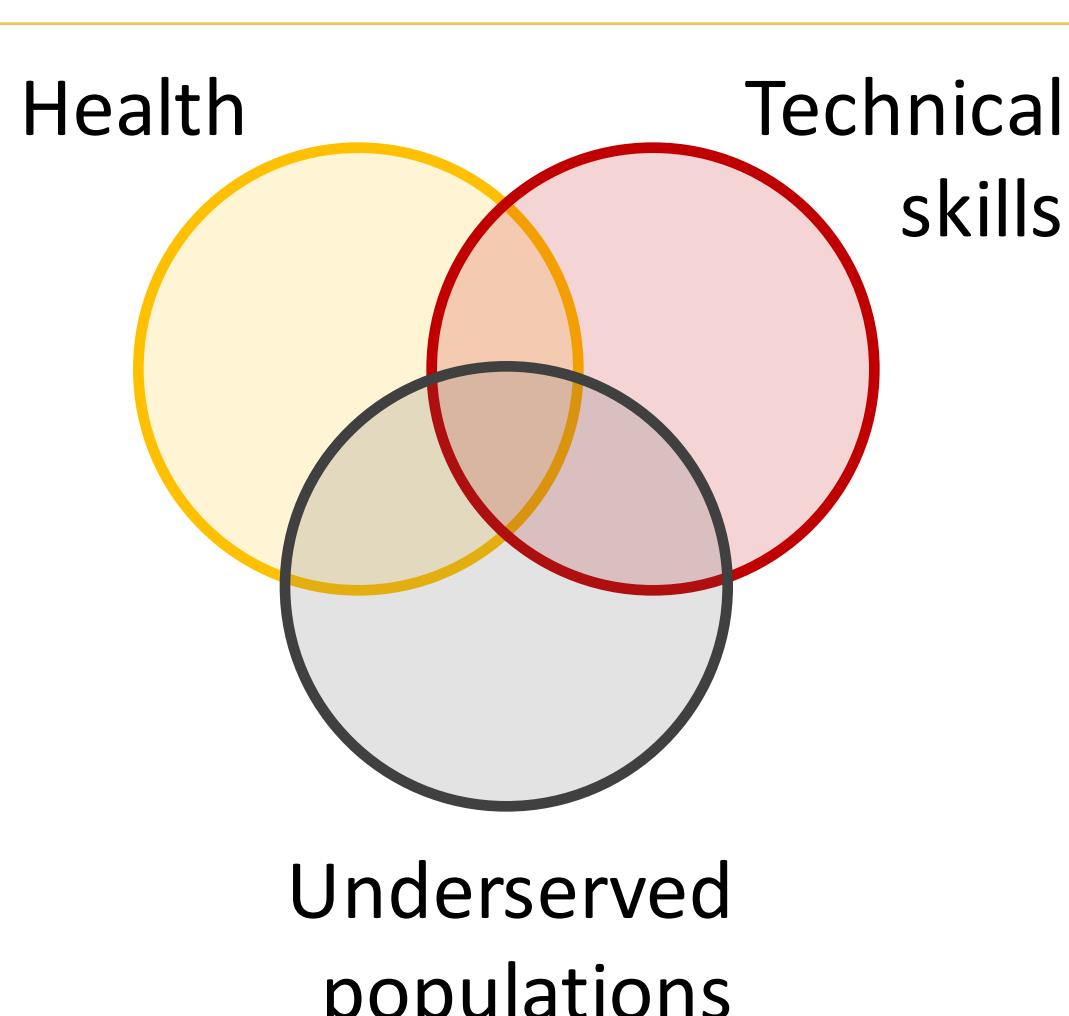
Diversity & inclusion  
Application assistance program  
Department values statement



### Ultimate frisbee

MIT women's club team  
Undergraduate community  
Leadership and confidence

## Vision



## Guiding questions

### "What's the goal?"

Why are you doing what you're doing?  
Use your time and energy thoughtfully

### "What does that look like?"

Providing solutions is powerful

### "What would happen if...?"

There are no rules in grad school