Keira Hayes

**General outline:**

- **Introduction (1 min)**
  - Overview of challenges facing the globe with regards to population, climate change, and impact on agriculture
  - The need for and role of innovation and technology in helping farmers meet those challenges across the globe.

- **Discussion Pivot Bio's work (4 minutes)**
  - Necessity of nitrogen in agriculture
  - Scope and scale of uneven nitrogen distribution in agriculture
  - Using new knowledge to re-think nitrogen and develop a better tool for farmers: nitrogen-fixing microbes
  - Agricultural and environmental benefits of this innovation

- **Conclusion (2 min)**
  - Impact of global scale-up of this technology
  - Farmers as our primary land managers
  - Encouragement to support policy and markets that value this expanded role