

# Algae Roundtable

# Participation

- 14 participants
- Academia (UF, FAMU, and USF)
  - Faculty (2)
  - Grad and undergrad students
  - Postdoc
- Private sector (BioTork)

# Areas of Active R&D in Florida

- **Strain bioprospecting**
  - Isolating and characterizing native Florida strains
  - Freshwater and marine algae
  - Cyanobacteria
- **Nutrient sources**
  - Wastewater (municipal, farm)
  - Landfill leachate
  - Aquaculture wastewater
  - Biomass stillage
  - Glycerol from biodiesel production
- **Metabolism**
  - Lipid production
  - Physiology
  - Genetics

# Areas of Active R&D in Florida (cont'd)

- **Carbon sources**
  - CO<sub>2</sub> from flue gas (landfill gas)
- **Cultivation systems**
  - Floating bioreactors
- **Products**
  - Lipids for biofuels
  - Methane (via anaerobic digestion)
  - Polysaccharides
  - Protein (animal feed, fish meal)
  - Fertilizer (slow release of N and P)
  - Algae cells for bioremediation
  - Hydrogen
  - Ethanol

# Path Forward

- Learn about each other's interests and capabilities
- Explore complementary interests esp. with regards to systems integration
- Identify opportunities for joint proposals and collaboration
- Promote Florida as a leading place for algae R&D and technology deployment