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$_2$ 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