



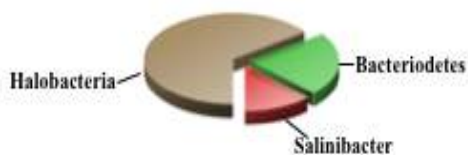
# CSM and UH – Hypersaline Phototrophs and Diversity of Hydrogenase Activity in Phototrophs from the CMMED Culture Collection

## Objectives

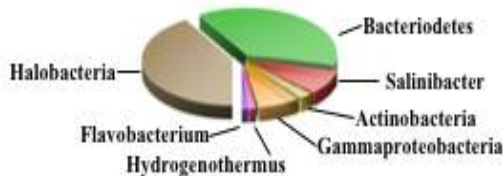
- Isolate phototrophs from various salinities in Great Salt Lake
- Cultivate organisms and assess bioenergy production potential
- Examine hydrogenase activity in isolated phototrophs
- Characterize diversity of hydrogenase activity in organisms in the CMMED collection

## *Characterize Microbial and Hydrogenase Diversity*

### North Arm - Rozel Point



### South Arm - Surface



### South Arm - Deep Brine



## *Isolate and Examine Phototrophs*

