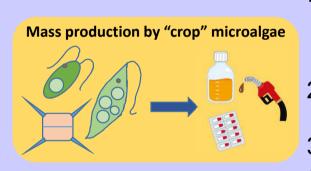
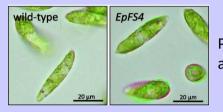
Identification and Effective Utilization of Key Factors for Producing Useful Substance in Microalgae (Lecturer Masataka KAJIKAWA, kajikawa@waka.kindai.ac.jp)

Research Area



- 1. Promotion of cell survival, photosynthetic activity and nutrient uptake.
- 2. Modulating of metabolic flow.
- 3. Genome editing and cross mating methods4. Establishment of "crop" microalgal lines



Photosynthetic activity 个



Useful lipidproduction

Recent Activities

- Production of ricinoleic acid-containing monoestolide triacylglycerides in an oleaginous diatom, Chaetoceros gracilis. Sci. Rep. 6:36809, 2016
- Enhancement of photosynthetic capacity in *Euglena gracilis* by expression of cyanobacterial fructose-1,6-/sedoheptulose-1,7-bisphosphatase leads to increases in biomass and wax ester production. Biotechnol. Biofuels 8:80, 2015