

Realization of a low carbon society through game changing technologies

Efficient and stable production of biofuel via the “Milking” strategy

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Purpose :

Simultaneous increase in photosynthetic yield, *per-cell* production of free fatty acids (FFA), and high-light tolerance of the biofuel production system

Summary :

- Problem: Low energy-profit ratio due to low *per-cell* yield of biofuel
- Solution: Enhancement of FFA excretion under the conditions of growth limitation
- Effects: 20% decrease in global CO₂ emission

