

Realization of a low carbon society through game changing technologies

Creation of PEP-accumulating chassis strains by cell surface engineering and metabolic engineering

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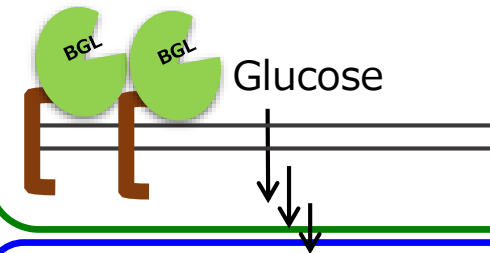
R&D Team : RIKEN, Osaka University



Summary :

- PEP is accumulated by surface-displaying technology
- PEP-accumulating microorganism is utilized as “microbial chassis”
- Microbial chassis improves the productivities of bioproduction.
- Millions of tonnes of CO₂ emission will be reduced.

① Surface-displaying technology



② Accumulations of PEP

PEP

③ Metabolic engineering

