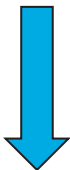


### Screening of various organisms

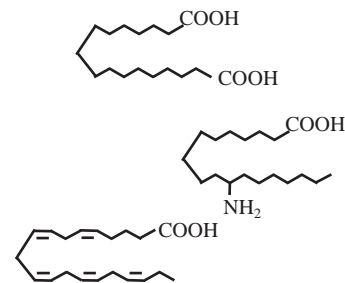


Fungus  
Basidiomycete  
Plant  
Microalga  
etc.



- Genetic engineering
- Metabolic engineering
- Characterization of enzymes

### Microbial production of functional lipids



#### Content:

Functional lipids such as polyunsaturated fatty acids, hydroxy fatty acids, and dicarboxylic acids are used for food, medicine, and raw materials of chemical compounds. Lipid-relating enzymes and their reactions have not been unclear.

We are trying microbial production of functional lipids by screening of valuable microorganisms, isolation of useful genes from various organisms, and breeding of genetically modified microorganisms. Our research also contains isolation and characterization of novel enzymes related with lipid conversion.

Keywords : microbial conversion, functional lipid, breeding

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