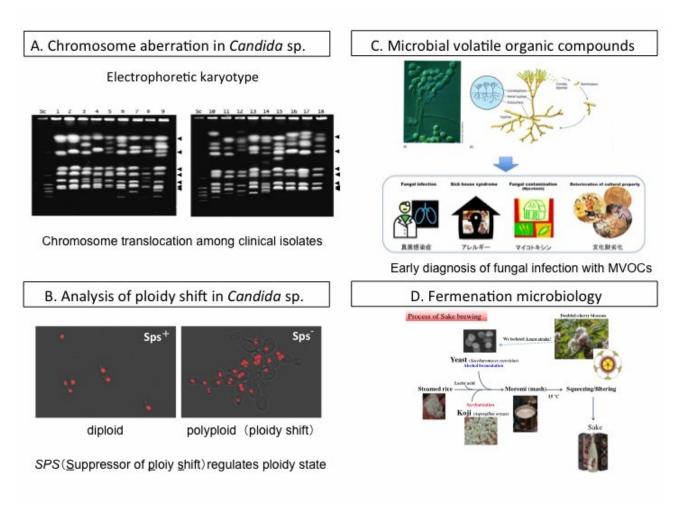
Molecular and Cellular Biology of Fungi Shin-Ichi IWAGUCHI [Biological Sciences Course]



(A) chromosome aberrantion observed in *Candida albicans*, (B) ploidy shift caused by mutation of SPS genes,(C) Microbial Volatile Organic Compounds (MVOCs), (D) Fermentation microbiology with flower yeasts

The fungi are known as yeast and mold. Some fungi are damaging for human as the pathogen causing infectious disease, others are benefit for us providing fermented foods and materials. The Iwaguchi laboratory focuses on human pathogenic fungi and fungal fermentation for producing foods and cosmetic materials. Four major projects are (1) Chromosome aberration in *Candida* species, (2) The regulation of ploidy in imperfect fungi, (3) Early diagnosis in fungal infection with microbial volatile organic compounds (MVOCs) emitted by filamentous fungi, and (4) fermentation microbiology with yeasts isolated from flower.

Keywords : Fungi, Chromosoma aberration, Ploidy shift, Microbial volatile organic compounds, Fermentation Microbiology