

**Cite this as:** Qing-bi HU, Yu HE, Xun ZHOU, 2015. Construction and analysis of the cDNA subtraction library of yeast and mycelial phases of *Sporothrix globosa* isolated in China: identification of differentially expressed genes. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, **16**(12):991-997. [doi:10.1631/jzus.B1500151]

# **Construction and analysis of the cDNA Subtraction Library of yeast and mycelial phases of *Sporothrix globosa* isolated in China: identification of differentially expressed genes**

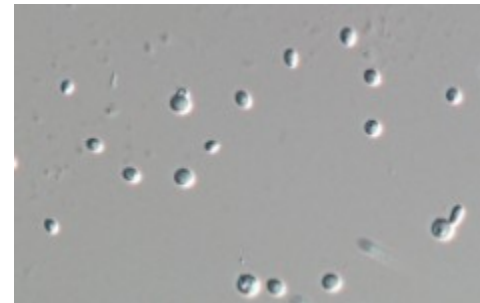
**Key words :** *Sporothrix globosa*, dimorphism, suppression subtractive hybridization (SSH), real-time PCR

# ***Research Summary***

**This study mainly focused on the molecular mechanisms in the switching process between yeast and mycelium phase of *Sporothrix globosa* isolated in China**



- **cDNA subtractive library was constructed**
- **Bioinformatics analysis was performed**
- **identification of differentially expressed genes**



# ***Result points***

- The over expressed genes were diversity and complexity
- They were divided into structural proteins, metabolic enzymes, cell-surface proteins, and molecules with unknown function
- Two genes were selected and identified ,and the possible molecular mechanism of dimorphic transition is discussed