

# HHMI

HOWARD HUGHES MEDICAL INSTITUTE

## ADVANCED LABORATORY TRAINING COURSE: MOLECULAR MEDICAL MYCOLOGY

**Date:**

November 22–29, 2009

**Location:**

Mahidol University  
Bangkok, Thailand

**Organizer:**

Alex Andrianopoulos,  
University of Melbourne,  
Australia

Fungal pathogens such as *Penicillium marneffeii*, *Cryptococcus neoformans*, and *Candida albicans* are significant health problem in many developing countries. Researchers require skills in the genetic manipulation of these organisms with the goal of understanding their biology and the molecular aspects of their pathogenicity.

This intensive course, given in English, will include lectures, group discussions, and wet lab experiments in the molecular approaches to understand the problems posed by medically important fungi. Hands-on laboratory training will likely include DNA-mediated transformation, gene deletion and replacement, mutagenesis and cloning strategies, host-pathogen interaction techniques, cell biological application to the study of fungal pathogens, and primers on database resources and bioinformatics. Lectures will be given by internationally-recognized experts in their fields.

Approximately 30 students will be accepted. Candidates from South East Asian countries strongly encouraged to apply. Financial support for travel and accommodations is available. There is no registration fee.

To apply, please visit: <http://www.hhmi.org/thailand/>. The deadline for applications is **October 16, 2009**; notifications of acceptance will be made by **October 23, 2009**.



THE UNIVERSITY OF  
MELBOURNE



Welcome to  
MAHIDOL UNIVERSITY

Wisdom of the Land