III. OBJECTIVES

1. To study the phagocytosis and killing assay of *Penicillium marneffei* and *Penicillium citrinum* using mouse macrophage J774.1 cells.

2. To isolate and characterize putative virulence genes of P. marneffei.

3. To study differential expression of putative virulence genes of *P. marneffei* in different phases and during macrophage infection.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่ Copyright[©] by Chiang Mai University All rights reserved