

**MOLECULAR EPIDEMIOLOGY AND GENETIC  
CHARACTERIZATION OF HIV-1 SUBTYPES  
IN NORTHERN THAILAND**

**PEERAYA SURIYA**

**MASTER OF SCIENCE  
IN MEDICAL TECHNOLOGY**

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**GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY  
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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL  
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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF  
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