

**DEVELOPMENT OF HIGH EFFICIENCY HYBRIDOMA TECHNOLOGY  
FOR PRODUCTION OF MONOCLONAL ANTIBODIES**

**NAPAPORN APIRATMATEEKUL**

**DOCTOR OF PHILOSOPHY  
IN BIOMEDICAL SCIENCE**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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MAY 2012

**DEVELOPMENT OF HIGH EFFICIENCY HYBRIDOMA TECHNOLOGY  
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**NAPAPORN APIRATMATEEKUL**

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY  
IN BIOMEDICAL SCIENCE**

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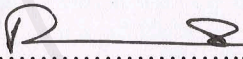
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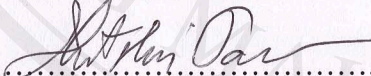
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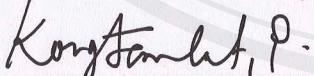
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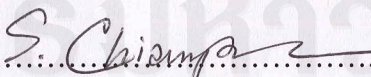
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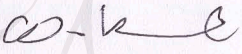
  
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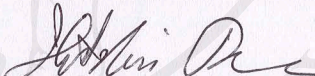
  
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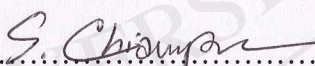
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Napaporn Apiratmateekul