

**REGULATION OF WILMS' TUMOR 1 (WT1) PROTEIN
SIGNALING PATHWAY BY PURE CURCUMIN**



SUWANNA SEMSRI

**DOCTOR OF PHILOSOPHY
IN BIOMEDICAL SCIENCE**

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**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

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SUWANNA SEMSRI

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