

# SUYAKARN “SONIA” ARCHASAPPAWAT

Graduate Group in Integrative Pathobiology  
Department of Microbiology and Molecular Genetics  
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## EDUCATION

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<b>PhD candidate</b>	Integrative Pathobiology University of California, Davis	2020 – Expected graduation 2025
<b>DVM</b>	Doctor of Veterinary Medicine Chulalongkorn University Faculty of Veterinary Science First-class honors and 2018 University Gold Medalist	2018

## RESEARCH EXPERIENCE

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<b>Doctoral Research, University of California – Davis</b>	2021 – Present
Conducting in-depth research on familial pancreatic cancer (FPC), specifically focusing on <i>BRCA2</i> mutations in pancreatic ductal adenocarcinoma. Advisor: Chang-il Hwang, DVM, MSc, PhD	
<b>Research Internship, Mahidol University Siriraj Hospital</b>	March – July, 2020
Highly multiplexed immunofluorescence imaging of tumors using tissue-based cyclic immunofluorescence. Advisor: Somponnat Sampattavanich, MSc, PhD	
<b>Undergraduate Research, Chulalongkorn University</b>	2015 – 2017
Simvastatin enhances proliferation and pluripotent gene expression by canine bone marrow-derived mesenchymal stem cells (cBM-MSCs) <i>in vitro</i> . Advisor: Chenphop Sawangmake, DVM, MSc, PhD	

## PUBLICATIONS

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Lee, E.\*, **Archasappawat, S.\***, Ji, K.\*, Pena, J., Gangaraju, R., Beesabathuni, N. S., Kim, M. J., Tian, Q., Shah, P. S., Scampavia, L., Spicer, T. P., & Hwang, C. (2023). A new vulnerability to BET inhibition due to enhanced autophagy in *BRCA2* deficient pancreatic cancer. *Cell Death & Disease*, 14(9), 1-11.  
\* These authors contributed equally to this work.

Nantavisai, S., Rodprasert, W., Pathanachai, K., Wikran, P., Kitcharoenthaworn, P., Smithiwong, S., **Archasappawat, S.**, & Sawangmake, C. (2019). Simvastatin enhances proliferation and pluripotent gene expression by canine bone marrow-derived mesenchymal stem cells (cBM-MSCs) *in vitro*. *Heliyon*, 5(10).

## CONFERENCES AND WORKSHOPS

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<b>2023 International Student Workshop</b> University of California, Davis, USA Nara Institute of Science and Technology, Japan Institute of Genetics and Development of the Chinese Academy of Sciences, China Mentor: John Harada, PhD	November 2023
<b>2023 AACR Special Conference: Pancreatic Cancer</b> Boston, Massachusetts	September 2023

## ORAL PRESENTATIONS

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**18th Annual Spotlight on Early Career Investigators** April 2024  
University of California, Davis, USA  
Title: A new vulnerability to BET inhibition due to enhanced autophagy in BRCA2 deficient pancreatic cancer

**2024 GGIP Research Symposium and Recruitment Event** February 2024  
University of California, Davis, USA  
Awarded a \$600 fellowship for selection to deliver an oral presentation titled "A new vulnerability to BET inhibition due to enhanced autophagy in BRCA2 deficient pancreatic cancer"

## POSTER PRESENTATIONS

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**2024 AACR Annual Meeting** April 2024  
A new vulnerability to BET inhibition due to enhanced autophagy in BRCA2 deficient pancreatic cancer  
San Diego, California, USA

**2023 AACR Special Conference: Pancreatic Cancer** September 2023  
A new vulnerability to BET inhibition due to enhanced autophagy in BRCA2 deficient pancreatic cancer  
Boston, Massachusetts, USA

## PROFESSIONAL TRAINING

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**Veterinary Pathology Training** 2019 – 2020  
Department of Veterinary Pathology  
Faculty of Veterinary Science, Chulalongkorn University, Thailand  
The training covered three main areas of pathology: necropsy, histopathology, and cytopathology.  
Mentor: Anudep Rungsipipat, DVM, PhD

## HONORS AND AWARDS

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**University Gold Medalist** 2018  
Chulalongkorn University, Thailand  
The Gold Medal is the university's highest award, presented to only one graduating student from each faculty who has achieved the highest academic average.

**Academic Excellence Award** 2017  
Chulalongkorn University, Thailand  
Each year this award recognizes a final year undergraduate student from each faculty who has displayed the best record of academic achievement.

## SCHOLARSHIPS

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**Anandamahidol Foundation Scholarship** 2019 – Present  
Anandamahidol Foundation, Thailand  
The Anandamahidol Foundation is a non-profit organization under the Royal Patronage of His Majesty King Bhumibol Adulyadej. It aims to support Thailand's top graduates across the country to further pursue their post-graduate studies abroad.

**Outstanding Academic Achievement Scholarship.** 2014 – 2017  
Chulalongkorn University, Thailand  
The Faculty of Veterinary Science, Chulalongkorn University, awards a scholarship annually to veterinary students who have demonstrated outstanding academic performance in the top 10% of their class.

## MEMBERSHIP

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American Association for Cancer Research	2020 – Present
The Veterinary Practitioner Association of Thailand	2018 – Present
International Veterinary Students Association	2015 – 2017

## SERVICE AND LEADERSHIP EXPERIENCE

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Student representative of School of Veterinary Medicine 2016 – 2017

- Working alongside the Student Government of Chulalongkorn University (SGCU), a central organization for student club administration, allowed me to gain valuable experience in student leadership and organizational management.

Volunteer to provide vaccines and health check-ups for animals 2013 – 2017

- Through my collaboration with the School of Veterinary Medicine at Chulalongkorn University, I had the privilege of volunteering as a veterinary student to provide crucial care for animals over the years. This experience not only allowed me to apply my veterinary skills in a practical setting but also deepened my commitment to animal welfare.

## REFERENCES

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### **Chang-il Hwang, DVM, MSc, PhD**

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