1. ข้อมูลส่วนตัว

- ชื่อ ดร. อภิวรรณ อรินโน

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2. การศึกษา (เรียงตามลำดับจากปัจจุบัน)

ปีเริ่มต้น – ปีสิ้นสุด	วุฒิการศึกษา	สาขา	สถาบัน	ประเทศ
2019 - 2023	ปริญญาเอก	สรีรวิทยา	มหาวิทยาลัยเชียงใหม่	ไทย
2016 - 2018	ปริญญาโท	สรีรวิทยา	มหาวิทยาลัยเชียงใหม่	ไทย
2012 - 2016	ปริญญาตรี	กายภาพบำบัด	มหาวิทยาลัยแม่ฟ้าหลวง	ไทย

3. บทความวิชาการ/งานวิจัยที่ได้รับการตีพิมพ์

3.1. Wachiradejkul W, Sukmak P, Treveeravoot S, Yurasakpong L, Rangchaikul N, Chatkul P, Supapol P, **Arinno A**, Teansuk N, Jakrachai C, Phummisutthigoon S, Phongjit M, Loungjan A, Akrimajirachoote N, Poolsri W, Aonbangkhen C, Khumjiang R. Muanprasat C, Vaddhanaphuti CS, Pongkorpsakol P. Enhancing intestinal tight junction assembly by gallic acid as a subcellular basis for the pharmacological effect of Ocimum sanctum L. flower aqueous extract. J Funct Foods 2024;106519. (Impact Factor = 3.9) Q1

3.2. Sukmak P, Kulworasreth P, Treveeravoot S, **Arinno A**, Anuwongworavet S, Wachiradejkul W, Kulworasreth P, Teansuk N, Thongnak L, Amonlerdpison D, Inchai J, Jakrachai C, Akrimajirachoote N, Aonbangkhen C, Muanprasat C, Poolsri W, Vaddhanaphuti CS, Pongkorpsakol P. Solanum melongena L. Extract Promotes Intestinal Tight Junction Re-Assembly via SIRT-1-Dependent Mechanisms. Mol Nutr Food Res. 2024;68(16):e2400230. (Impact Factor = 7.6) Q1

3.3. Srivichit B, Thonusin C, Aeimlapa R, **Arinno A**, Chunchai T, Charoenphandhu N, Chattipakorn N, Chattipakorn SC. Melatonin and Metformin Mitigate Doxorubicin-Induced Alveolar Bone Toxicity. J Dent Res. 2024;103(9):916-925. (Impact Factor = 5.7) Q1

3.4. Prathumsap N, Ongnok B, Khuanjing T, **Arinno A**, Maneechote C, Chunchai T, Arunsak B, Kerdphoo S, Chattipakorn SC, Chattipakorn N. Muscarinic and nicotinic receptors stimulation by vagus nerve stimulation ameliorates trastuzumab-induced cardiotoxicity via reducing programmed cell death in rats. Toxicol Appl Pharmacol 2024;491:117074. (Impact Factor = 3.3) Q2

3.5. **Arinno A**, Maneechote C, Khuanjing T, Prathumsap N, Chunchai T, Arunsak B, Nawara W, Kerdphoo S, Shinlapawittayatorn K, Chattipakorn SC, Chattipakorn N. Melatonin and metformin ameliorated trastuzumab-induced cardiotoxicity through the modulation of mitochondrial function and dynamics without reducing its anticancer efficacy. Biochim Biophys Acta Mol Basis Dis 2023;1869(2):166618. (Impact Factor = 6.633) Q1

3.6. Khuanjing T, Maneechote C, Ongnok B, Prathumsap N, **Arinno A**, Chunchai T, Arunsak B, Chattipakorn SC, Chattipakorn N. Acetylcholinesterase inhibition protects against trastuzumab-induced cardiotoxicity through reducing multiple programmed cell death pathways. Mol Med 2023;29(1):123. (Impact Factor = 6.000) Q1

3.7. Prathumsap N, Ongnok B, Khuanjing T, **Arinno A**, Maneechote C, Chunchai T, Arunsak B, Kerdphoo S, Chattipakorn SC, Chattipakorn N. Acetylcholine receptor agonists effectively attenuated multiple program cell death pathways and improved left ventricular function in trastuzumab-induced cardiotoxicity in rats. Life Sci 2023;329:121971. (Impact Factor = 6.100) Q1

3.8. Thonusin C, Nawara W, **Arinno A**, Khuanjing T, Prathumsup N, Ongnok B, Chattipakorn SC, Chattipakorn N. Effects of melatonin on cardiac metabolic reprogramming in doxorubicin-induced heart failure rats: A metabolomics study for potential therapeutic targets. J Pineal Res 2023;13;e12884. (Impact Factor = 13.007) Q1

3.9. Khuanjing T, Maneechote C, Ongnok B, Prathumsap N, **Arinno A**, Chunchai T, Arunsak B, Chattipakorn SC, Chattipakorn N. Vagus nerve stimulation and acetylcholinesterase inhibitor donepezil provide cardioprotection against trastuzumab-induced cardiotoxicity in rats by attenuating mitochondrial dysfunction. Biochem Pharmacol. 2023;217:115836. (Impact Factor = 5.3) Q1

3.10. Chunchai T, **Arinno A** (co-first author), Ongnok B, Pantiya P, Khuanjing T, Prathumsap N, Maneechote C, Chattipakorn N, Chattipakorn SC. Ranolazine alleviated cardiac/brain dysfunction in doxorubicin-treated rats. Exp Mol Pathol 2022;127:104818. (Impact Factor = 4.401) Q2

3.11. Prathumsap N, Ongnok B, Khuanjing T, **Arinno A**, Maneechote C, Apaijai N, Chunchai T, Arunsak B, Kerdphoo S, Janjek S, Chattipakorn SC, Chattipakorn N. Vagus nerve stimulation exerts cardioprotection against doxorubicin-induced cardiotoxicity through inhibition of programmed cell death pathways. Cell Mol Life Sci 2022;80(1):21. (Impact Factor = 9.234) Q1

3.12. Chunchai T, Pintana H, **Arinno A**, Ongnok B, Pantiya P, Khuanjing T, Prathumsap N, Maneechote C, Chattipakorn N, Chattipakorn SC. Melatonin and metformin counteract cognitive dysfunction equally in male rats with doxorubicin-induced chemobrain. Neurotoxicology 2022;S0161-813X(22)00193-0. (Impact Factor = 4.398) Q2

3.13. Thonusin C, Nawara W, Khuanjing T, Prathumsup N, **Arinno A**, Ongnok B, Arunsak B, Sriwichaiin S, Chattipakorn SC, Chattipakorn N. Blood metabolomes as non-invasive biomarkers and targets of metabolic interventions for doxorubicin and trastuzumab-induced cardiotoxicity. Arch Toxicol 2022;97(2):603-618. (Impact Factor = 6.168) Q1

3.14. Maneechote C, Khuanjing T, Ongnok B, **Arinno A**, Prathumsap N, Chunchai T, Arunsak B, Nawara W, Chattipakorn SC, Chattipakorn N. Promoting mitochondrial fusion in doxorubicin-induced cardiotoxicity: a novel therapeutic target for cardioprotection. Clin Sci 2022;136(11):841-860. (Impact Factor = 6.124) Q1

3.15. Prathumsap N, Ongnok B, Khuanjing T, **Arinno A**, Maneechote C, Apaijai N, Chunchai T, Arunsak B, Shinlapawittayatorn K, Chattipakorn SC, Chattipakorn N. Acetylcholine receptor agonists provide cardioprotection in doxorubicin-induced cardiotoxicity via modulating muscarinic M2 and α7 nicotinic receptor expression. Transl Res 2022;243:33-51. (Impact Factor = 7.012) Q1

3.16. **Arinno A**, Maneechote C, Khuanjing T, Ongnok B, Prathumsap N, Chunchai T, Arunsak B, Kerdphoo S, Shinlapawittayatorn K, Chattipakorn SC, Chattipakorn N. Cardioprotective effects of melatonin and metformin against doxorubicin-induced

cardiotoxicity in rats are through preserving mitochondrial function and dynamics. Biochem Pharmacol 2021;192:114743. (Impact Factor = 5.858) Q1

3.17. **Arinno A**, Apaijai N, Chattipakorn SC, Chattipakorn N. The roles of resveratrol on cardiac mitochondrial function in cardiac diseases. Eur J Nutr 2021;60(1):29-44. (Impact Factor = 4.664) Q1

3.18. Khuanjing T, Ongnok B, Maneechote C, Siri-Angkul N, Prathumsap N, **Arinno A**, Chunchai T, Arunsak B, Chattipakorn SC, Chattipakorn N. Acetylcholinesterase inhibitor ameliorates doxorubicin-induced cardiotoxicity through reducing RIP1-mediated necroptosis. Pharmacol Res 2021;173:105882. (Impact Factor = 7.658)

3.19. Chunchai T, Keawtep P, **Arinno A**, Saiyasit N, Prus D, Apaijai N, Pratchayasakul W, Chattipakorn N, Chattipakorn SC. A combination of an antioxidant with a prebiotic exerts greater efficacy than either as a monotherapy on cognitive improvement in castrated-obese male rats. Metab Brain Dis 2020;35(8):1263-1278. (Impact Factor = 2.726) Q3

3.20. **Arinno A**, Apaijai N, Kaewtep P, Pratchayasakul W, Jaiwongkam T, Kerdphoo S, Chattipakorn S, Chattipakorn N. Combined low-dose testosterone and vildagliptin confers cardioprotection in castrated obese rats. J Endocrinol 2019;1;18-0673. (Impact Factor = 4.041) Q1

3.21. Chunchai T, Keawtep P, **Arinno A**, Saiyasit N, Prus D, Apaijai N, Pratchayasakul W, Chattipakorn N, Chattipakorn SC. N-acetyl cysteine, inulin and the two as a combined therapy ameliorate cognitive decline in testosterone-deprived rats. Aging 2019;11(11):3445-3462 (Impact Factor = 5.515) Q1

3.22. Chunchai T, Apaijai N, Keawtep P, Mantor D, **Arinno A**, Pratchayasakul W, Chattipakorn N, Chattipakorn SC. Testosterone deprivation intensifies cognitive decline in obese male rats via glial hyperactivity, increased oxidative stress, and apoptosis in both hippocampus and cortex. Acta Physiol 2019;226(1):e13229. (Impact Factor = 5.868) Q1

3.23. Keawtep P, Pratchayasakul W, **Arinno A**, Apaijai N, Chunchai T, Kredphoo S, Jaiwongkum T, Chattipakorn N, Chattipakorn SC. Combined dipeptidyl peptidase-4 inhibitor with low-dose testosterone exerts greater efficacy than monotherapy on improving brain function in orchiectomized obese rats. Exp Gerontol 2019;123:45-56. (Impact Factor = 3.080) Q2

3.24. Apaijai N, **Arinno A**, Palee S, Pratchayasakul W, Kerdphoo S, Jaiwongkam T, Chunchai T, Chattipakorn SC, Chattipakorn N. High-saturated fat high-sugar diet accelerates left-ventricular dysfunction faster than high-saturated fat diet alone via increasing oxidative stress and apoptosis in obese-insulin resistant rats. Mol Nutr Food Res 2019;63:1800729. (Impact Factor = 4.653). Q1

4. การนำเสนอผลงานวิชาการ

Scientific abstract participation at international meetings

4.1. April 2022	The American College of Cardiology's 71st Annual Scientific Session & Expo (ACC)
4.2. November 2021	Scientific Session, American Heart Association (AHA), 2021
4.3. August 2021	Annual Scientific Sessions, European Society of Cardiology

	(ESC) Congress
4.4. May 2021	The American College of Cardiology's 70th Annual Scientific Session & Expo (ACC), 2021
4.5. January 2018	First International Conference on Innovation of Functional Foods in Asia (IFFA), University of Phayao, Phayao, Thailand

5. ความเชี่ยวชาญ

5.1. Cardiac electrophysiology

5.2. Mitochondria biology

5.3. Tight junction biology