Curriculum Vitae

Name	NATSASI CHUKIJRUNGROAT
Academic Position	Assistant Professor
Affiliation	Faculty of Physical Therapy,
	Huachiew Chalermprakiet University
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Education

2017	Ph.D. (Exercise Science) Dean's List,
	Mahidol University, Thailand
2008	M.Sc. (Physiology),
	Mahidol University, Thailand
2004	B.Sc. (Physical Therapy) First Class Honors,
	Srinakharinwirot University, Thailand

Research Scholarship and Award

2018	American Physiological Society Select Award
2017	PhD Distinguished Thesis Award
2016	First Prize Award in Oral Presentation of the 44th Physiological Society of Thailand's Conference
2016	Research fellowship, Department of Internal Medicine, School of Medicine, Yale University, USA
2015	Young Scientist Award in Oral Presentation of the 8th FAOPS Congress
2012	Thailand Research Fund through Royal Golden Jubilee Ph.D. Program
2010	Research Scholarship from Huachiew Chalermprakiet University
2008	First Prize Award in Poster Presentation of 2nd Siriraj Graduate Research Conference
2007	Siriraj Graduate Research Scholarship
2005	Siriraj Graduate Scholarship
2004	Academic Outstanding Award in the field of Physical Therapy, Faculty of Health Science, Srinakharinwirot University

Professional Membership

2004 - present	Member of Physical Therapy Council of Thailand
2009 - present	Member of Physical Therapy Association of Thailand

Area of Interest:

Kinesiology and Exercise

Publications

1. Woravutrangkul S, **Chukijrungroat N**. Impacts of Post-COVID-19 on Common Symptoms, Functional Capacity, Pulmonary Function and Quality of Life Following 6 Months After Infection in Young Adult. Journal of Health Science of Thailand 2024;33(2):199-207.
2. Chansela P, Potip B, Weerachayaphorn J, Kangwanrangsan N. **Chukijrungroat N**, Saengsirisuwan V. Morphological alteration of the pancreatic islet in ovariectomized rats fed a high-fat high-fructose diet. Histochemistry and Cell Biology 2022;157(4):427-42.
3. **Chukijrungroat N**, Srisuk A, Peaphiw A, et al. Immediate effects of Ruesi-Dudton exercise on flexibility of Hamstrings-Gastrocnemius and balance in female university students**.** J Med Health Sci 2021; 28(1): 55-69.
4. Buniam J, **Chukijrungroat N**, Rattanavichit Y, et al. 20-Hydroxyecdysone ameliorates metabolic and cardiovascular dysfunction in high-fat-high-fructose-fed ovariectomized rats. BMC Complementary Medicine and Therapies 2020;20(1):140-51.
5. Prasannarong M, Saengsirisuwan V, Surapongchai J, Buniam J, **Chukijrungroat N**, Rattanavichit Y. Rosmarinic acid improves hypertension and skeletal muscle glucose transport in angiotensin II-treated rats. BMC Complementary and Alternative Medicine 2019;19(1):165-72.

6. Khamphaya T, **Chukijrungroat N**, Saengsirisuwan V, et al. Nonalcoholic fatty liver disease impairs expression of the type II inositol 1,4,5-trisphosphate receptor. Hepatology 2017;67(2):560-574.
7. Camporez JP, Wang Y, Faarkrog K, **Chukijrungroat N**, et al. Mechanism by which arylamine N-acetyltransferase 1 ablation causes insulin resistance in mice. Proc Natl Acad Sci 2017;114:E11285-E92.
8. **Chukijrungroat N**, Khamphaya T, Weerachayaphorn J, et al. Hepatic FGF21 mediates sex differences in high-fat high-fructose diet-induced fatty liver. Am J Physiol Endocrinol Metab 2017;313:E203-E12.
9. Rattanavichit Y, **Chukijrungroat N**, Saengsirisuwan V. Sex differences in the metabolic dysfunction and insulin resistance of skeletal muscle glucose transport following high fructose ingestion. Am J Physiol Regul Integr Comp Physiol 2016;311:R1200-R1212.
10. **Chukijrungroat N** and Benjanarasut D. Effects of Ruesi-Dudton Exercise on Thoracolumbar Curvature and Range of Motion in Female University Students. HCU Journal 2016;19(38):21-34.
11. Kooptiwut S, Plengvidhya N, **Chukijrungroat T**, et al. Defective PAX4 R192H transcriptional repressor activities associated with maturity onset diabetes of the young and early onset-age of type 2 diabetes. J Diabetes Complications 2012;26:343-7.
12. Sujjitjoon J, Jongtrakoon P, Boonyasrisawat W, Chongjaroen N, **Chukijrungroat T**, et al. Molecular genetics of monogenetic beta-cell diabetes. Thai Gournal of Genetics 2008;1(2):93-108.

13. Kooptiwut S, Sujjitjoon J, **Chukijrungroat T**, et al. Construction of a mutation due to fourteen base-pair insertion in HNF-1alpha Gene Causing MODY in Thai Patients. Siriraj Med J 2008;60(4):175-179.
14. **Chukijrungroat T**, et al. Decreased repressor activity of *paired box 4* (*Pax4*) R192H polymorphism associated with maturity-onset diabetes of the young (MODY) in Thai patients. Siriraj Med J 2008;60.
15. **Chukijrungroat T**, et al. *Paired Box Gene 4* (*Pax4*) R192H Polymorphism in Thai Patients with Maturity-Onset Diabetes of the Young (MODY). Siriraj Med J 2007;59.

Poster/Oral Presentation

Oral presentation:

1. **Oral presentation:** งาน RGJ-Phd Congress ครั้งที่ 18 Global Sustainability: Lesson Learned from the Royal Projects เมื่อวันที่ 8 มิถุนายน 2560, Bangkok, Thailand

Chukijrungroat N, Khamphaya T, Weerachayaphorn J, Saengsirisuwan V. Gender differences in nonalcoholic fatty liver disease induced by high-fat high-fructose diet. 2017.

2. **Oral presentation:** งานประชุมวิชาการสรีรวิทยาสมาคมแห่งประเทศไทย ครั้งที่ 44 (44th Physiology Society of Thailand Conference 2016) Integrative Physiology: From Mitochondria to Man เมื่อวันที่ 22-24 ธันวาคม 2559 ณ The Empress International Convention Center, Chiang Mai, Thailand

Chukijrungroat N, Khamphaya T, Weerachayaphorn J, Saengsirisuwan V. Role of Gender in Nonalcoholic Fatty Liver Disease Induced by High-Fat High-Fructose Diet. 2016.

3. **Oral presentation:** 8th Federation of Asian and Oceanian Physiological Societies (FAOPS) Congress: Translational Physiology: Imagination, Inspiration and Innovation เมื่อวันที่ 22-25 พฤศจิกายน 2558

Chukijrungroat N, Khamphaya T, Weerachayaphorn, Saengsirisuwan V. High-fructose diet exacerbates hepatic steatosis under estrogen-deprived condition**.** The Journal of Physiological Sciences 2015; 65(2): S-A102.

Poster presentation:

1. **Poster presentation:** 8th Federation of Asian and Oceanian Physiological Societies (FAOPS) Congress: Translational Physiology: Imagination, Inspiration and Innovation เมื่อวันที่ 22-25 พฤศจิกายน 2558, Bangkok, Thailand

Buniam J, Rattanavivhit Y, **Chukijrungroat N**, Saengsirisuwan V. 20-hydroxyecdyzone alleviates hypertension and improves glucose tolerance in a rat model of metabolic syndrome**.** The Journal of Physiological Sciences 2015; 65(2): S-A142.

2. **Poster presentation:** Siriraj Graduate Conference 120 ปี ศิริราช เมื่อวันที่ 21 มีนาคม 2551, Bangkok, Thailand

Chukijrungroat T, Kooptiwut S, Sujjitjoon J, et al. Decreases Repressor Activity of Paired Box 4 (PAX4) R192H Polymorphism Assocated with Maturity-Onset Diabetes of the Young (MODY) in Thai Patients. 2008.
