

CURRICULUM VITAE

Chi-Chang Huang, Ph. D.

Assistant Professor

Graduate Institute of Sports Science

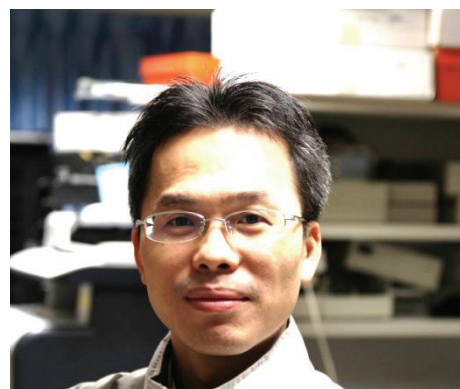
National Taiwan Sport University

E-Mail: john5523@mail.ntsui.edu.tw / d301090007@gmail.com

TEL: +886-3-3283201 ext: 2619

Fax: +886-3-3280592

Address: No. 250, Wenhua 1st Rd., Guishan Township,
Taoyuan County 33301, Taiwan (ROC)



■ EDUCATION

-
- Ph. D.** School of Pharmacy, Taipei Medical University (09/2001~ 06/2005)
Dissertation Title: Effects of Chronic Alcoholic Toxicity on Antioxidative Status and Hepatic Morphologic Changes by Lieber-DeCarli Animal Model
Advisor: Professor Suh-Ching Yang
-
- M.Sc.** Graduate Institute of Nutrition & Health Science, Taipei Medical University (09/1999~ 06/2001)
Thesis Title: Effect of β -Carotene on Alcoholic Liver Disease in Rats
Advisor: Professors Ming-Jer Shieh and Suh-Ching Yang
-
- B.Sc.** Applied Life Science, Fu-Jen University (09/1995~06/1999)
-

■ ACADEMIC EXPERIENCE

-
- 08/2010- **Assistant Professor**
to date Graduate Institute of Sports Science, National Taiwan Sport University
-
- 08/2010- **Adjunct Assistant Professor**
to date School of Nutrition and Health Sciences, Taipei Medical University
-
- 02/2010- **Post-Doctoral Research Fellow**
07/2010 School of Nutrition and Health Sciences, Taipei Medical University
PI: Suh-Ching Yang, Professor
-
- 09/2006- **Post-Doctoral Research Fellow**
01/2010 Agricultural Biotechnology Research Center, Academia Sinica
PI: Lie-Fen Shyur, Research Fellow
-
- 01/2006- **Post-Doctoral Research Fellow**
08/2006 Institute of BioAgricultural Sciences, Preparatory Office, Academia Sinica
PI: Lie-Fen Shyur, Research Fellow
-
- 07/2005- **Post-Doctoral Research Fellow**
09/2005 Institute of BioAgricultural Sciences, Preparatory Office, Academia Sinica
PI: Lie-Fen Shyur, Research Fellow
-

■ ADMINISTRATIVE SERVICES

- 08/2012- Director of Industry-Academic Collaboration & Innovation Incubator Center,
 07/2013 Office of Research & Development,
 National Taiwan Sport University
 08/2010- Chief of Admission Section, Office of Academic Affairs,
 07/2012 National Taiwan Sport University

2. PUBLICATIONS

I. Papers Published in Refereed Journals (JCR Science Edition 2012)

Citation Report Author=("Huang chi-chang")

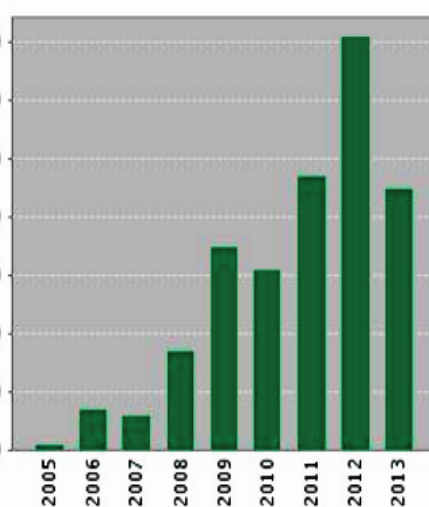
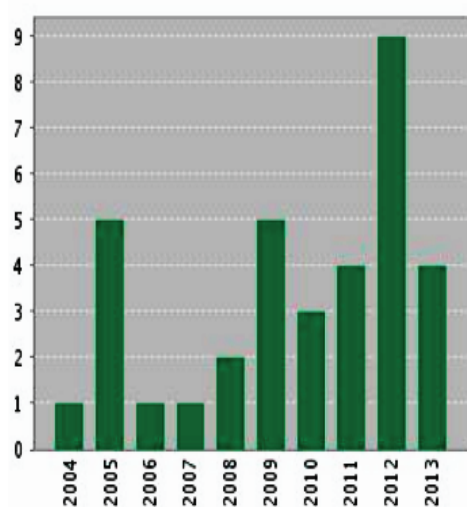
Timespan=All Years.

WEB OF KNOWLEDGESM

DISCOVERY STARTS HERE THOMSON REUTERS

Published Items in Each Year

Citations in Each Year



Results found:	35
Sum of the Times Cited :	260
Sum of Times Cited without self-citations :	214
Citing Articles:	214
Citing Articles without self-citations :	195
Average Citations per Item :	7.43
h-index :	11

To view or download any Publication, you are welcome to contact with me for a copy by e-mail.

1. **Huang CC**, Chiang WD, Huang WC, Huang CY, Hsu MC, and Lin WT* (2013) Hepato-protective effects of swimming exercise against D-galactose induced senescence rat model. *Evidence-Based Complementary and Alternative Medicine* 2013: 275431. (SCI) (IF=1.722; Ranking= 8/21 (38.1%) in *Integrative & Complementary Medicine*)
2. Wu RE, Huang WC, Liao CC, Chang YK, Kan NW*, and **Huang CC*** (2013) Resveratrol protects against physical fatigue and improves exercise performance in mice. *Molecules* 18: 4689-4702. (Correspondence) (SCI) (IF=2.428; Ranking= 23/55 (41.8%) in *Chemistry, Organic*)
3. **Huang CC**, Lin KJ, Cheng YW, Hsu CA, Yang SS, and Shyur LF* (2013) Hepatoprotective effect and mechanistic insights of deoxyelephantopin, a phyto-sesquiterpene lactone, against fulminant hepatitis. *Journal of Nutritional Biochemistry* 24: 516-530. (SCI) (IF=4.552; Ranking= 8/76 (10.5%) in *Nutrition & Dietetics*; Times cited: 1)
4. **Huang CC**, Huang WC, Yang SC, Chan CC, and Lin WT* (2013) *Ganoderma tsugae* hepatoprotection against exhaustive exercise-induced liver injury in rats. *Molecules* 18: 1741-1754. (SCI) (IF=2.428; Ranking= 23/55 (41.8%) in *Chemistry, Organic*)
5. Chang YK, Tsai CL, **Huang CC**, Wang CC, and Chu IH. Effects of acute resistance exercise on cognition in late middle-aged adults: General or specific cognitive improvement? *Journal of Science and Medicine in Sport* 2013 Mar 12. doi:pii: S1440-2440(13)00039-X. (SCI) (IF=3.034; Ranking= 8/84 (9.5%) in *Sport Sciences*)

6. **Huang CC***, Hsu MC, Huang WC, Yang HR, and Hou CC* (2012) Triterpenoid-rich extract from *Antrodia camphorata* improves physical fatigue and exercise performance in mice. *Evidence-Based Complementary and Alternative Medicine* 2012: 364741. **(Correspondence)** **(SCI)** (IF=1.722; Ranking= 8/21 (38.1%) in *Integrative & Complementary Medicine*; Times cited: 1)
7. Wang SY, Huang WC, Liu CC, Wang MF, Ho CS, Huang WP, Hou CC, Chuang HL*, and **Huang CC*** (2012) Pumpkin (*Cucurbita moschata*) fruit extract improves physical fatigue and exercise performance in mice. *Molecules* 17: 11864-11876. **(Correspondence)** **(SCI)** (IF=2.428; Ranking= 23/55 (41.8%) in *Chemistry, Organic*)
8. Chuang HL, Huang YT, Chi CC, Liao CD, Hsu FL, **Huang CC***, and Hou CC* (2012) Metabolomics characterization of energy metabolism reveals glycogen accumulation in gut microbiota-lacking mice. *Journal of Nutritional Biochemistry* 23: 752-758. **(Correspondence)** **(SCI)** (IF=4.552; Ranking= 8/76 (10.5%) in *Nutrition & Dietetics*; Times cited: 3)
9. Ho TJ, **Huang CC**, Huang CY, and Lin WT* (2012) Fasudil, a Rho-kinase inhibitor, protects against excessive endurance exercise training-induced cardiac hypertrophy, apoptosis and fibrosis in rats. *European Journal of Applied Physiology* 112: 2943-2955. **(co-first author)** **(SCI)** (IF=2.660; Ranking= 12/84 (14.3%) in *Sport Sciences*; Times cited: 3)
10. Ho ST, Tung YT, **Huang CC**, Kuo CL, Lin CC, Yang SC, and Wu JH* (2012) The hypouricemic effect of *Balanophora laxiflora* extracts and derived phytochemicals in hyperuricemic mice. *Evidence-Based Complementary and Alternative Medicine* 2012: 910152. **(SCI)** (IF=1.722; Ranking= 8/21 (38.1%) in *Integrative & Complementary Medicine*)
11. Chang YK*, Ku PW, Tomporowski PD, Chen FT, and **Huang CC** (2012) Effects of acute resistance exercise on late-middle-age adults' goal planning. *Medicine and Science in Sports and Exercise* 44: 1773-1779. **(SCI)** (IF=4.475; Ranking = 4/84 (4.8%) in *Sport Sciences*; Times cited: 1)
12. Chang YK*, Pan CY, Chen FT, Tsai CL, and **Huang CC** (2012) Effect of resistance-exercise training on cognitive function in healthy older adults: A review. *Journal of Aging and Physical Activity* 20: 497-517. **(SCI)** (IF=1.852; Ranking= 29/84 (34.5%) in *Sport Sciences*; Times cited: 2)
13. Chien KY, **Huang CC**, Hsu KF, Kuo CH, and Hsu MC* (2012) Swim training reduces metformin levels in fructose-induced insulin resistant rats. *Journal of Pharmacy and Pharmaceutical Sciences* 15: 85-93. **(SCI)** (IF=2.198; Ranking= 130/260 (50.0%) in *Pharmacology & Pharmacy*)
14. Hung SW, Chiu CF, Chen TA, Chu CL, **Huang CC**, Shyur LF, Liang CM*, and Liang SM* (2012) Recombinant viral protein VP1 suppresses HER-2 expression and migration/metastasis of breast cancer. *Breast Cancer Research and Treatment* 136: 89-105. **(SCI)** (IF=4.469; Ranking= 43/196 (21.9%) in *Oncology*)
15. **Huang CC**, Tung YT, Cheng KC, and Wu JH* (2011) Phytocompounds from *Vitis kelungensis* stem prevent carbon tetrachloride-induced acute liver injury in mice. *Food Chemistry* 125: 726-731. **(SCI)** (IF=3.334; Ranking= 10/124 (8.1%) in *Food Science & Technology*; Times cited: 2)
16. Hou CC, **Huang CC**, and Shyur LF* (2011) Echinacea alkamides prevent lipopolysaccharide/D-galactosamine-induced acute hepatic injury through JNK pathway-mediated HO-1 expression. *Journal of Agricultural and Food Chemistry* 59: 11966-11974. **(co-first author)** **(SCI)** (IF=2.906; Ranking= 1/57 (2.8%) in *Agriculture, Multidisciplinary*; Times cited: 2)

17. Tung YT, **Huang CC**, Ho ST, Kuo YH, Lin CC, Lin CT, and Wu JH* (2011) Bioactive phytochemicals of leaf essential oils of *Cinnamomum osmophloeum* prevent lipopolysaccharide/D-galactosamine (LPS/D-GalN)-induced acute hepatitis in mice. ***Journal of Agricultural and Food Chemistry*** 59: 8117-8123. (co-first author) (SCI) (IF=2.906; Ranking= 1/57 (2.8%) in *Agriculture, Multidisciplinary*; Times cited: 2)
18. Shyur LF*, **Huang CC**, Hsu YY, Cheng YW, and Yang SD (2011) A sesquiterpenol extract potently suppresses inflammation in macrophages and mice skin and prevents chronic liver damage in mice through JNK-dependent HO-1 expression. ***Phytochemistry*** 72: 391-399. (SCI) (IF=3.050; Ranking= 32/195 (16.4%) in *Plant Sciences*; Times cited: 4)
19. Tung YT, Hsu CA, Chen CS, Yang SC, **Huang CC**, and Chang ST* (2010) Phytochemicals from *Acacia confusa* heartwood extracts reduce serum uric acid levels in oxonate-induced mice: their potential use as xanthine oxidase inhibitors. ***Journal of Agricultural and Food Chemistry*** 58: 9936-9941. (co-first author) (SCI) (IF=2.906; Ranking= 1/57 (2.8%) in *Agriculture, Multidisciplinary*; Times cited: 4)
20. **Huang CC**, Lo CP, Chiu CY, and Shyur LF* (2010) Deoxyelephantopin, a novel multifunctional agent suppresses mammary tumor growth and lung metastasis and doubles survival time in mice. ***British Journal of Pharmacology*** 159: 856-871. (SCI) (IF=5.067; Ranking= 21/260 (8.1%) in *Pharmacology & Pharmacy*; Times cited: 17)
21. **Huang CC**, Lin WT, Hsu FL, Tsai PW, and Hou CC* (2010) Metabolomics investigation of exercise-modulated changes in metabolism in rat liver after exhaustive and endurance exercises. ***European Journal of Applied Physiology*** 108: 557-566. (SCI) (IF=2.660; Ranking= 12/84 (14.3%) in *Sport Sciences*; Times cited: 10)
22. **Huang CC**, Lin TJ, Chen CC, and Lin WT* (2009) Endurance training accelerates exhaustive exercise-induced mitochondrial DNA deletion and apoptosis of left ventricle myocardium in rats. ***European Journal of Applied Physiology*** 107: 697-706. (SCI) (IF=2.660; Ranking= 12/84 (14.3%) in *Sport Sciences*; Times cited: 11)
23. **Huang CC**, Lin TJ, Lu YF, Chen CC, Huang CY*, and Lin WT* (2009) Protective effects of L-arginine supplementation against exhaustive exercise-induced oxidative stress in young rat tissues. ***Chinese Journal of Physiology*** 52: 306-315. (SCI) (IF=0.748; Ranking= 72/79 (91.1%) in *Physiology*; Times cited: 12)
24. Lin WT, **Huang CC**, Lin TJ, Chen JR, Shieh MJ, Yang SC*, and Huang CY* (2009) Effects of beta-carotene on antioxidant status in rats with chronic alcohol consumption. ***Cell Biochemistry and Function*** 27: 344-350. (co-first author) (SCI) (IF=1.854; Ranking= 222/290 (76.6%) in *Biochemistry & Molecular Biology*; Times cited: 8)
25. Tung YT, Wu JH, **Huang CC**, Peng HC, Chen YL, Yang SC*, and Chang ST* (2009) Protective effect of *Acacia confusa* bark extract and its active compound gallic acid against carbon tetrachloride-induced chronic liver injury in rats. ***Food and Chemical Toxicology*** 47: 1385-1392. (SCI) (IF=3.010; Ranking= 12/124 (9.7%) in *Food Science & Technology*; Times cited: 22)
26. Chang CY, Chen YL, Yang SC, Huang GC, Tsi D, **Huang CC**, Chen JR*, and Li JS (2009) Effect of schisandrin B and sesamin mixture on CCl₄-induced hepatic oxidative stress in rats. ***Phytotherapy Research*** 23: 251-256. (SCI) (IF=2.068; Ranking= 145/260 (55.8%) in *Pharmacology & Pharmacy*; Times cited: 9)
27. **Huang CC**, Tsai SC, and Lin WT* (2008) Potential ergogenic effects of L-arginine against

- oxidative and inflammatory stress induced by acute exercise in aging rats. *Experimental Gerontology* 43: 571-577. (SCI) (IF=3.911; Ranking= 10/46 (21.7%) in *Geriatrics & Gerontology*; Times cited: 16)
28. Shyur LF*, Huang CC, Lo CP, Chiu CY, Chen YP, Wang SY, and Chang ST (2008) Hepatoprotective phytochemicals from *Cryptomeria japonica* are potent modulators of inflammatory mediators. *Phytochemistry* 69: 1348-1358. (co-first author) (SCI) (IF=3.050; Ranking= 32/195 (16.4%) in *Plant Sciences*; Times cited: 17)
 29. Hou CC, Chen YP, Wu JH, Huang CC, Wang SY, Yang NS, and Shyur LF* (2007) A galactolipid possesses novel cancer chemopreventive effects by suppressing inflammatory mediators and mouse B16 melanoma. *Cancer Research* 67: 6907-6015. (co-third author) (SCI) (IF=8.650; Ranking= 11/196 (5.6%) in *Oncology*; Times cited: 16)
 30. Lin WT, Yang SC, Tsai SC, Huang CC, and Lee NY* (2006) L-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise. *British Journal of Nutrition* 95: 67-75. (SCI) (IF=3.302; Ranking= 18/76 (23.7%) in *Nutrition & Dietetics*; Times cited: 20)
 31. Huang CC*, Chen JR, Shieh MJ, and Yang SC* (2005) Effects of long-term ethanol consumption on jejunal lipase and disaccharidase activities in male and female rats. *World Journal of Gastroenterology* 11: 2603-2608. (SCI) (IF=2.547; Ranking= 34/74 (45.9%) in *Gastroenterology & Hepatology*; Times cited: 8)
 32. Liu CC, Huang CC, Lin WT, Hsieh CC, Huang SY, Lin SJ, and Yang SC* (2005) Lycopene supplementation attenuated xanthine oxidase and myeloperoxidase activities in skeletal muscle tissues of rats after exhaustive exercise. *British Journal of Nutrition* 94: 595-601. (SCI) (IF=3.302; Ranking= 18/76 (23.7%) in *Nutrition & Dietetics*; Times cited: 25)
 33. Lin WT, Yang SC, Chen KT, Huang CC, and Lee NY* (2005) Protective effects of L-arginine on pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats. *Acta Pharmacologica Sinica* 268: 992-999. (SCI) (IF=2.354; Ranking= 50/152 (32.9%) in *Chemistry, Multidisciplinary*; Times cited: 21)
 34. Yang SS, Huang CC, Chen JR, Chiu CL, Shieh MJ, Lin SJ, and Yang SC* (2005) Effects of ethanol on antioxidant capacity in isolated rat hepatocytes. *World Journal of Gastroenterology* 11: 7272-7276. (co-first author) (SCI) (IF=2.547; Ranking= 34/74 (45.9%) in *Gastroenterology & Hepatology*; Times cited: 9)
 35. Yang SC, Chiu CL, Huang CC, and Chen JR* (2005) Apoptosis induced by nucleosides in the human hepatoma HepG2. *World Journal of Gastroenterology* 11: 6381-6384. (SCI) (IF=2.547; Ranking= 34/74 (45.9%) in *Gastroenterology & Hepatology*; Times cited: 1)
 36. Yang SC, Huang CC, Chu JS, and Chen JR* (2004) Effects of beta-carotene on cell viability and antioxidant status of hepatocytes from chronically ethanol-fed rats. *British Journal of Nutrition* 92: 209-215. (SCI) (IF=3.013; Ranking= 19/72 (26.4%) in *Nutrition & Dietetics*; Times cited: 9)
 37. Chuang HL, Huang YT, Hou CC*, and Huang CC* (2012) Application of metabolomics approaches to study energy metabolism and reveals the hepatic glycogen accumulation in germ-free mice. *Microbial Ecology in Health & Disease* 23: 17462.
 38. Chang KW, Hsu CY, Lin WT*, and Huang CC* (2013) The role of SIRT1/PGC-1 α axis in the exercise-regulated biological functions of skeletal muscle. *Journal of Chang Gung University of Science and Technology* (In press) [Chinese article]

39. Li YP, **Huang CC**, Hsu CY*, and Chuang HL* (2013) Investigating the beneficial effects of exercise intervention on non-alcoholic fatty liver disease. *Journal of Chang Gung University of Science and Technology* (In press) [Chinese article]
40. Huang WP, Hsu CY, and **Huang CC*** (2013) Investigation of a World-Renowned Food Material, Pumpkin, as an Ergogenic Aid. *Journal of Chang Gung University of Science and Technology* (In press) [Chinese article]
41. Tang JC, Hsu MC*, and **Huang CC*** (2012) The application of metabonomics in sports science. *Journal of Chang Gung University of Science and Technology* 16: 31-37. [Chinese article]
42. Lin TJ, **Huang CC**, Wang IJ, Lin JW, Hung KS, Ling F, Tsao HH, Yang NS, and Lin KJ* (2010) Validation of an animal FDG PET imaging system for study of human glioblastoma xenograft in mouse and rat glioma models. *Annals of Nuclear Medicine and Sciences* 23: 77-83.
43. Shyur LF* and **Huang CC** (2010) Health functions of popular medicinal plants of *Asteraceae*. Science Development. 446: 22-27. [Chinese article]
44. Shyur LF* and **Huang CC** (2007) Evidence-based Research and Development of Medicinal Plant Resources in Taiwan for Anti-inflammation and Cancer Chemoprevention. Academia Sinica E-news No. 48.
45. **Huang CC**, Yang SC*, and Hsu CY (2004) The role of PPAR- γ in hepatic stellate cells activation. *Journal of Chang Gung Institute of Technology* 3: 1-8. [Chinese article]
46. **Huang CC**, Chen JR, Haung TI, Shieh MJ, Chu JS, and Yang SC* (2002) Beta-carotene prevents hepatic lipid accumulation in rats under chronic alcohol consumption. *Nutritional Sciences Journal* 27: 129-138. [Chinese article]
47. Yang SC, Huang TI, **Huang CC**, Shieh MJ, Chiu WC, Cheng CJ, and Chen JR* (2001) The effects of *chlorella* on lipid metabolism in rats fed with high fat and high chloesterol diet. *Nutritional Sciences Journal* 26: 22-31. [Chinese article]

II. Patents:

1. Shyur LF*, Hou CC, Wu JH, Chen YP, Wang SY, **Huang CC**, and Yang NS (2009) Cancer and inflammatory disorder treatment. **(US patent No.: US 7,547,455 B2)** (* principal inventor)
2. Shyur LF*, Hou CC, Wu JH, Chen YP, Wang SY, **Huang CC**, and Yang NS (2011) Extracts and compositions of galactolipids having anticancer and anti-inflammatory activities. **(Taiwan Patent No.: 096133237)** (* principal inventor)

III. Books, Thesis and Dissertation, and Others:

1. Hsu CY, Lai MH, Chao CY, Lai CL, Wang YY, Huang CC, Hsiao CY, and Hsiao W (2007) An Introduction to Nutrition and Metabolism (Translate Book). Wunan Book Co., Ltd. (ISBN : 9789571149462) [Chinese]
2. **Huang CC** (2005) Effects of Chronic Alcoholic Toxicity on Antioxidative Status and Hepatic Morphologic Changes by Lieber-DeCarli Animal Model. (Ph.D. Dissertation, Taipei Medical University) [Chinese]
3. **Huang CC** (2001) Effect of β -Carotene on Alcoholic Liver Disease in Rats. (Master Thesis, Taipei Medical University) [Chinese]

IV. Research Project Grants:

A. National Science Council (NSC) (<https://nscnt07.nsc.gov.tw/WRS/>)

Year	Funding type	Area of Research	Research Project Title (Project Period)	PI/Co-PI	Budget (NT\$)
102	Specific-Topic Research Project (Project for Excellent Junior Research Investigators)	Exercise Physiology	Integrative microRNA and Proteomic Approaches to Elucidate a Single Bout of Exhaustive Exercise- and Endurance Exercise Training-Specific Molecular Profiling and Their Collaborative Biological Significance (NSC102-2628-H179-001-MY2)	PI	1,741,000
102	Specific-Topic Research Project (Project for Excellent Junior Research Investigators)	Nutrition and Health Sciences	The Role of Gut Microbiota in Shaping the Host Energy Metabolism and Exercise Performance (NSC102-2628-B179-001-MY3)	PI	3,650,000
101	Specific-Topic Research Project (General Research Project)	Nutrition and Health Sciences	Application of Proteomic Approach to Study Key Biomarker Signatures for Gut Microbiota in Shaping the Host Energy Metabolism and Being a Viable Energy Source to Improve Exercise Performance (NSC101-2320-B179-001)	PI	900,000
100	Specific-Topic Research Project (Project for Junior Researcher)	Exercise Physiology	Application of Metabolomics in the Study Frail Middle-Aged and Older Adults, and Nutrition Intervention (NSC100-2410-H179-012)	PI	469,000
101	Specific-Topic Research Project (General Research Project)	Exercise Physiology	Effects of Supplementation with Yang-Invigorating Agents in Chinese Medicine on Hormone Levels and Exercise Performance (NSC101-2410-H179-001-MY3)	Co-PI	3,489,000

B. NTSU-Industry Cooperation Fund

Year	Contract of Research Companies	Research Project Title (Project Period)	PI/Co-PI	Budget (NT\$)
102	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	To evaluate the hepatoprotective effects of health food by TTL (NTSU#No.1021017) (2013/05/01~2013/07/31)	PI	95,000
102	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	The pilot study of health food by TTL on the increase of memory ability in mice (NTSU#No.1021016) (2013/05/01~2013/07/31)	PI	80,000
102	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	Effects of health food by TTL on decreasing blood alcohol concentration (NTSU#No.1021015) (2013/05/01~2013/07/31)	PI	95,000
102	Dong Jyu Biotechnology Corporation	Therapeutic effect of adjuvant treatment with <i>Antrodia amorphata</i> extract for cancer cachexia (NTSU#No.1021001) (2013/01/01~2013/08/31)	PI	300,000
101	One Power Bio Technology Co., Ltd.	Evaluation of anti-fatigue properties of enriched raw fruits and vegetables fermentation (NTSU#No.1011046) (2012/10/01~2012/12/31)	PI	120,000
101	One Power Bio Technology Co., Ltd.	Evaluation of anti-fatigue properties of raw fruits and vegetables fermentation (NTSU# No.1011045) (2012/10/01~2012/12/31)	PI	120,000
101	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	Evaluation of brewers' yeast derived beta-glucan supplementation in immune responses modulation (NTSU#No.1011042) (2012/10/01~2013/01/31)	PI	95,000
101	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	Application of proteomic approach to study the brewers' yeast derived beta-glucan on serum proteins profiling in mice (NTSU# No.1011041) (2012/10/01~2013/01/31)	PI	95,000

101	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	A pilot study for toxicological assessment of <i>Antrodia camphorata</i> mycelium (NTSU# No.1011040) (2012/09/01~2012/12/31)	PI	92,000
101	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	A pilot test of wine lees derived protein hydrolysate supplementation on muscle hypertrophy and strength (NTSU# No.1011039) (2012/09/01~2012/12/31)	PI	93,000
101	Cai Wai Co., Ltd.	Effects of <i>Anoectochilus formosanus</i> supplementation on fatigue elimination during exercise (NTSU# No.1011038) (2012/07/25~2012/09/30)	PI	80,000
101	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	Effects of wine lees supplementation on decreasing blood alcohol concentration (NTSU# No.1011018) (2012/05/01~2012/06/30)	PI	80,000
101	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	A pilot test of wine lees supplementation on fatigue elimination during exercise-II (NTSU# No.1011017) (2012/05/01~2012/06/30)	PI	50,000
100	Ministry of Economic Affairs/Department of Industrial Technology/Metal Industries Research & Development Centre	To evaluate the potential use of functional <i>Anoectochilus formosanus</i> product for sports food biotech industry (PT100151433) (2011/07/01~2011/12/31)	PI	72,000
100	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	A pilot test of wine lees supplementation on fatigue elimination during exercise-I (NTSU# No.1001045) (2011/10/13~2011/12/30)	PI	95,000
100	Taiwan Tobacco & Liquor Corporation/ Department of Biotechnology/Liquor Research Institute	A pilot test of wine lees supplementation on decreasing blood alcohol concentration (NTSU# No.1001043) (2011/10/13~2011/12/30)	PI	95,000
99	Dong Jyu Biotechnology Corporation	Effects of <i>Antrodia camphorata</i> supplementation on fatigue elimination during exercise (NTSU# No.991035) (2010/12/01~2011/11/30)	PI	500,000

V. The Research Theme of Our Laboratory

1. Energy Metabolic Signaling Network (Basic Research)
2. Exercise-Small Molecules Interaction (Unique)
3. R&D of Ergogenic Aids and Health Food (Industry)
4. Application of Interdisciplinary "Omics" Approaches for Our Interest Topics

