

Professor Shin-Da Lee, PT, MS, PhD

Current Position:

Professor, China Medical University
Distinguished Professor and Dean, College of Medical and Health Sciences,
Asia University
Vice President, Taiwan Development Institute, Taiwan
2010 Top Ten Outstanding Young Person Award in Taiwan

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Education:

2001 Ph.D., Department of Physical Therapy & Exercise Science, State University of New York at Buffalo, USA
1999 M.S., Department of Physical Therapy & Exercise Science, State University of New York at Buffalo, USA
1993 B.S. in Physical Therapy, Department of Rehabilitation Medicine, Kaohsiung Medical College, Taiwan

Working Experience:

2016-current Dean, College of Medical and Health Sciences, Asia University
2008-current Professor, China Medical University, Taiwan
2013-current Professor, Department of Physical Therapy and Graduate Institute of Rehabilitation Science (MS Program), China Medical University, Taiwan
2013-current Professor, Graduate Institute of Clinical Medicine (PhD program), China Medical University, Taiwan
2013-current Adjunct Professor, Department of Healthcare Administration, Asia University, Taichung, Taiwan
2014-2015 Professor and Dean for International and Public Affairs, China Medical University
2012-current Vice President, Taiwan Development Institute
2010-current President, Society of Adaptive Science in Taiwan
2011-2013 Professor and Dean of International Affairs, China Medical University
2008-2011 Departmental Chair, Department of Physical Therapy, Graduate Institute of Rehabilitation Science, China Medical University, Taiwan
2006-2008 Associate Professor, Department Chair, Department of Physical Therapy, China Medical University, Taiwan
2005-2006 Associate Professor, School of Physical Therapy, Chung Shan Medical University
2001-2005 Assistant professor, School of Physical Therapy, Chung Shan Medical University

Honors

2015 Innovation (Inventor: Shin-Da Lee): Taiwan Excellence Awards, Gold Award
2013 Research Excellence Award, National Scientific Council, Taiwan
2013 International Plato Award for Education Achievement
2013 IBC Top 100 Educators-2013
2010 Honorary Citizen, Taichung City
2011 Outstanding Research Award, China Medical University, Taiwan
2010 Top Ten Outstanding Young Persons Award, Taiwan
2009 Outstanding Research Award, China Medical University, Taiwan
2008 Outstanding Research Award, China Medical University, Taiwan

2008 Ta-You Wu Memorial Award, National Science Council, Taiwan
2007 Outstanding Research Award, China Medical University, Taiwan
2006 Outstanding Research Award, China Medical University, Taiwan
2000 ATS Travel Grand Award, American Thoracic Society

Editorial Board Members:

Editorial Board Members, Physical Medicine and Rehabilitation – International
Editorial Board Members, Journal of diabetes and obesity
Editorial Board Members, Chinese Journal of Physiology
Editorial Board Members, Journal of Physical Therapy
Editorial Board Members, Adaptive Medicine
Editorial Board Members, Journal of Physical Education in higher Education

Invited Reviewer (Frequently):

Invited Reviewer, American Journal of Physiology.
Invited Reviewer, Journal of Applied Physiology
Invited Reviewer, Journal of Molecular and Cellular Cardiology
Invited Reviewer, International Journal of Cardiology
Invited Reviewer, Journal of Molecular and Cellular Cardiology
Invited Reviewer, International Journal of Behavioral Nutrition and Physical Activity
Invited Reviewer, British Journal of Pharmacology
Invited Reviewer, Clinica Chimica Acta
Invited Reviewer, Journal of diabetes and metabolism

Membership of Professional Societies

Congress Chairman, 12th Asian Confederation for Physical Therapy (ACPT)
2013 Congress Chairman, International Congress, Asia Western Pacific Region (AWP) of World Confederation for Physical Therapy (WCPT)
Board Member of Executive Committee and Secretary 2011-2013, Asia Western Pacific Region (AWP) of World Confederation for Physical Therapy (WCPT)
Member, American Physiology Society
Member, American College of Sports Medicine
Member, American Academy of Sleep Medicine
Premium Member, American Heart Society
Member, The Society for the study of androgen deficiency
Lifetime Member, Chinese Physiological Society
Member, Taiwan Medical Association for the Study of Obesity
Member, Physical Therapist Taiwan
Board Member of Executive Committee, Physical Therapy Association of ROC
Board Member of Supervisors, Taiwan Health Movement Alliance
Executive Consultants, Taiwan Sport Technology Association

Patents:

CN102727363

US2012253242

TW201238583

JP2012213616

DE102012005024)

Books:

1. Lee, Shin-Da. The neuromodulation of ventilation in obese Zucker rats. Bell & Howell information and Learning Company. 2001, 245 pages. ISBN 0-493-20790-2.
2. Shin-Da Lee. Endogenous opioids modulate ventilation and peak oxygen consumption in obese Zucker rats. Thesis (M.S.)--State University of New York at Buffalo, 1999.

Published Journal Paper:

Highlight Papers in Obesity and Stroke

1. **(First Author)** Lee SD, Nakano H, Gosselin LE, Krasney JA, Schlenker EH, Farkas GA. Endogenous opioids modulate ventilation and peak oxygen consumption in obese Zucker rats. *American Journal of Respiratory & Critical Care Medicine*. 162(3 Pt 1):1009-15, 2000.Sep. Impact Factor : **11.986**
2. **(First Author)** Lee SD, Nakano H, Farkas GA. NMDA receptor-mediated modulation of ventilation in obese Zucker rats. *International Journal of Obesity & Related Metabolic Disorders*. 25(7):997-1004, 2001 Jul. Impact Factor: **5.386**
3. **(Correspondence Author)** Lin TB, Lo MJ, Huang CY, Ting H, Lee SD*. GABAergic modulation of ventilatory response to acute and sustained hypoxia in obese Zucker rats. *International Journal of Obesity* 29(2):188-195, 2005 Feb. Impact Factor: **5.386**
4. **(First Author)** Lee SD, Kuo WW, Wu CH, Lin YM, Lin JA, Lu MC, Yang AL, Liu JY, Wang SG, Liu CJ, Chen LM, Huang CY. Effects of short- and long-term hypobaric hypoxia on Bcl2 family in rat heart. *International Journal of Cardiology* 108(3):376-84, 2006 Apr. Impact Factor: **6.175**
5. Yang AL, Chao JI, Lee SD*. Altered insulin-mediated and insulin-like growth factor-1-mediated vasorelaxation in aortas of obese Zucker rats. *International Journal of Obesity*. 31(1):72-7, 2007 Jan. Impact Factor: **5.386**
6. **(First Author)** Lee SD, Kuo WW, Lin JA, Chu YF, Wang CK, Yeh YL, Wang SG, Liu JY, Chang MH, Huang CY. Effects of long-term intermittent hypoxia on mitochondrial and Fas death receptor dependent apoptotic pathways in rat hearts. *International Journal of Cardiology*. 116(3):348-56, 2007 Apr. Impact Factor: **6.175**
7. **(First Author)** Lee SD, Tzang BS, Kuo WW, Lin YM, Yang AL, Chen SH, Tsai FJ, Wu FL, Lu MJ, Huang CY. Cardiac Fas receptor-dependent apoptotic pathway in obese Zucker rats. *Obesity (Silver Spring)*. 15(10):2407-15, 2007 Oct. Impact Factor, 4.389
8. **(Correspondence Author)** Lu MC, Tzang BS, Kuo WW, Wu FL, Chen YS, Tsai CH, Huang CY, Lee SD*. More activated cardiac mitochondrial dependent apoptotic pathway in obese Zucker rat. *Obesity (Silver Spring)*. 15(11):2634-42, 2007 Nov. Impact Factor, 4.389
9. **(Correspondence Author)** Wu MK, Huang CY, Liou YJ, Wang CK, Lee SD*. Glucose-insulin homeostasis, lipid profiles and GH-IGF-IGFBP axis in clozapine-treated schizophrenic obesity versus non-psychiatric obesity. *International Journal of Obesity*. 32(3):436-42, 2008 Mar. Impact Factor: **5.386**
10. **(Correspondence Author)** Cheng SM, Ho TJ, Yang AL, Chen IJ, Kao CL, Wu FN, Lin JA, Kuo CH, Ou HC, Huang CY, Lee SD. Exercise training enhances cardiac IGFI-R/PI3K/Akt and Bcl-2 family associated pro-survival pathways in streptozotocin-induced diabetic rats. *Int J Cardiol*. 2013 Jul 31;167(2):478-85. Impact Factor: **6.175**
11. **(First Author)** Lee SD, Lai TW, Lin SZ, Lin CH, Hsu YH, Li CY, Wang HJ, Lee W, Su CY, Yu YL, Shyu WC. Role of stress-inducible protein-1 in recruitment of bone marrow derived cells into the ischemic brains. *EMBO Mol Med*. 2013 Aug;5(8):1227-46. Impact Factor: **8.245**
12. **(Correspondence Author)** Lai MC, Lin JG, Pai PY, Lai MH, Lin YM, Yeh YL, Cheng SM, Liu YF, Huang CY, Lee SD*. Protective effect of salidroside on cardiac apoptosis in mice with chronic intermittent hypoxia. *Int J Cardiol*. 2014 Jul 1;174(3):565-73. Impact Factor: **6.175**

All Published Journal Papers:

1. **(First Author)** Lee SD, Nakano H, Gosselin LE, Krasney JA, Schlenker EH, Farkas GA. Endogenous opioids modulate ventilation and peak oxygen consumption in obese Zucker rats. *American Journal of Respiratory & Critical Care Medicine*. 162(3 Pt 1):1009-15, 2000.Sep. 2013 Impact Factor : 11.986
2. Nakano H, Magalang UJ, **Lee SD**, Krasney JA, Farkas GA. Serotonergic modulation of ventilation and upper airway stability in obese Zucker rats. *American Journal of Respiratory & Critical Care Medicine*. 163(5):1191-7, 2001 Apr.
3. **(First Author)** **Lee SD**, Nakano H, Farkas GA. GABAergic modulation of ventilation and peak oxygen consumption in obese Zucker rats. *Journal of Applied Physiology*. 90(5):1707-13, 2001 May.
4. **(First Author)** **Lee SD**, Magalang UJ, Krasney JA, Farkas GA. Opioidergic modulation of ventilatory response to sustained hypoxia in obese Zucker rats. *Obesity Research*. 9(7):407-13, 2001 Jul.
5. **(First Author)** **Lee SD**, Nakano H, Farkas GA. NMDA receptor-mediated modulation of ventilation in obese Zucker rats. *International Journal of Obesity & Related Metabolic Disorders*. 25(7):997-1004, 2001 Jul. Impact Factor: 5.386
6. Nakano H, **Lee SD**, Ray AD, Krasney JA, Farkas GA. Role of nitric oxide in thermoregulation and hypoxic ventilatory response in obese Zucker rats. *American Journal of Respiratory & Critical Care Medicine*. 164(3):437-42, 2001 Aug.
7. Nakano H, **Lee SD**, Farkas GA. Dopaminergic modulation of ventilation in obese Zucker rats. *Journal of Applied Physiology*. 92(1):25-32, 2002 Jan.
8. Ray AD, Roberts AJ, **Lee SD**, Farkas GA, Michlin C, Rifkin DI, Ostrow PT, Krasney JA. Exercise delays the hypoxic thermal response in rats. *Journal of Applied Physiology*. 95(1):272-8, 2003 July.
9. Lin TB, Lo MJ, Huang CY, Ting H, **Lee SD***. GABAergic modulation of ventilatory response to acute and sustained hypoxia in obese Zucker rats. *International Journal of Obesity* 29(2):188-195, 2005 Feb.
10. **(First Author)** **Lee SD**, Nakano H, Farkas GA. Adenosinergic modulation of ventilation in obese Zucker rats. *Obesity Research* 13(3):545-555, 2005 March.
11. Ting H, **Lee SD**, Chung AH, Chuang ML, Chen GD, Liao JM, Chang CL, Chiou TS, Lin TB. Effects of bilateral T2-sympathectomy on static and dynamic heart rate responses to exercise in hyperhidrosis patients. *Autonomic Neuroscience- Basic & Clinical*. 121(1-2):74-80, 2005 Aug.
12. Kuo WW, Chu CY, Wu CH, Lin JA, Liu JY, Hsieh YH, Ueng KC, **Lee SD**, Hsieh DJ, Hsu HH, Chen LM, Huang CY. Impaired IGF-I signalling of hypertrophic hearts in the developmental phase of hypertension in genetically hypertensive rats. *Cell Biochemistry and Function*. 23(5):325-31, 2005 Sep-Oct.
13. Kuo WW, Wu CH, **Lee SD**, Lin JA, Chu CY, Hwang JM, Ueng KC, Chang MH, Yeh YL, Wang CJ, Liu JY, Huang CY. Second-hand smoke-induced cardiac fibrosis is related to the Fas death receptor apoptotic pathway without mitochondria-dependent pathway involvement in rats. *Environmental health perspectives*. 113(10):1349-53, 2005 Oct.
14. Kuo WW, Chu CY, Wu CH, Lin JA, Liu JY, Ying TH, **Lee SD**, Hsieh YH, Chu CH, Lin DY, Hsu HH, Huang CY. The profile of cardiac cytochrome c oxidase (COX) expression in an accelerated cardiac-hypertrophy model. *Journal of Biomedical Science*. 12(4):601-10, 2005 Nov.
15. Wu CH, Liu JY, Wu JP, Hsieh YH, Liu CJ, Hwang JM, **Lee SD**, Chen LM, Chang MH, Kuo WW, Shyu JC, Tsai JH, Huang CY. 17beta-estradiol reduces cardiac hypertrophy mediated through the up-regulation of PI3K/Akt and the suppression of calcineurin/NF-AT3 signaling pathways in rats. *Life sciences*. 78(4):347-56, 2005 Dec.
16. Liao JM, Ting H, **Lee SD**, Yang CH, Liou YM, Peng ML, Tsai SJ, Lin CF, Lin TB. Electroacupuncture-induced pressor and chronotropic effects in anesthetized rats. *Autonomic Neuroscience-Basic & Clinical*. 124(1-2):18-25, 2006 Jan.
17. **(First Author)** **Lee SD**, Wu CC, Kuo WW, Lin JA, Huang JM, Lu MC, Chen LM, Hsu HH, Wang CK, Chang SH, Huang CY. Porphyromonas gingivalis-related cardiac cell apoptosis was majorly co-activated by p38 and extracellular signal-regulated kinase pathways. *Journal of periodontal research* 41(1):39-46, 2006 Feb.
18. Lo MJ and **Lee SD**. Direct effects of IL-15 on corticosterone secretion by rat adrenocortical cells. *Immunology and Cell Biology*. 84(1):38-43, 2006 Feb.

19. **(First Author) Lee SD**, Kuo WW, Lin DY, Chen TH, Kuo WH, Hsu HH, Chen JZ, Liu JY, Yeh YL, Huang CY. Role of calcineurin in Porphyromonas gingivalis-induced myocardial cell hypertrophy and apoptosis. *Journal of Biomedical Science*. 13(2):251-60, 2006 Mar.
20. **(First Author) Lee SD**, Kuo WW, Wu CH, Lin YM, Lin JA, Lu MC, Yang AL, Liu JY, Wang SG, Liu CJ, Chen LM, Huang CY. Effects of short- and long-Term hypobaric hypoxia on Bcl2 family in rat heart. *International Journal of Cardiology* 108(3):376-84, 2006 Apr.
21. **(First Author) Lee SD**, Wu CC, Chang YC, Chang SH, Wu CH, Wu JP, Hwang JM, Kuo WW, Liu JY, Huang CY. Porphyromonas gingivalis-induced cellular hypertrophy and MMP-9 activity via different signaling pathways in H9c2 cardiomyoblast cells. *Journal of Periodontology* 77(4):684-91, 2006 Apr.
22. **(First Author) Lee SD**, Chang SH, Kuo WH, Ying TH, Kuo WW, Li PC, Hsu HH, Lu MC, Ting H, Huang CY. Role of mitogen-activated protein kinase kinase in Porphyromonas gingivalis-induced myocardial cell hypertrophy and apoptosis. *European Journal of Oral Sciences*. 114(2):154-9, 2006 Apr.
23. Huang EJ, Kuo WW, Chen YJ, Chen TH, Chang MH, Lu MC, Tzang BS, Hsu HH, Huang CY*, **Lee SD***. Homocysteine and other biochemical parameters in type 2 diabetes with different diabetic duration or diabetic retinopathy. *Clinica Chimica Acta*. 366(1-2):293-8, 2006 Apr.
24. Jong GP, Ma T, Chou P, Chang MH, Wu CH, Li PC, **Lee SD**, Liu JY, KuoWW*, Huang CY*. Serum MMP-9 activity as a diagnosing marker for the developing heart failure of post MI patients. *Chinese Journal of Physiology* 49(2):104-9, 2006 Apr.
25. Liao JM, Cheng CL, **Lee SD**, Chen GD, Chen KJ, Yang CH, Pan SF, Chen MJ, Huang PC, Lin TB. Impaired micturition reflex caused by acute selective dorsal or ventral root(s) rhizotomy in anesthetized rats. *Neurourology and Urodynamics*. 25(3):283-9, 2006 Apr.
26. Hsu HH, Cheng SF, Wu CC, Chu CH, Weng YJ, Lin CS, **Lee SD**, Wu HC, Huang CY, Kuo WW. Apoptotic Effects of Over-Expressed Estrogen Receptor- β on LoVo Colon Cancer Cell is Mediated by p53 Signalings in a Ligand-Dependent Manner. *Chinese Journal of Physiology* 49(2):110-6, 2006 Apr 30.
27. **(First Author) Lee SD**, Chen LM, Kuo WW, Shu WT, Kuo WH, Huang EJ, Tsai CC, Li PC, Liu JY, Chen TH, Huang CY*. Serum insulin-like growth factor-axis and matrix metalloproteinases in patients with rheumatic arthritis or rheumatic heart disease. *Clinica Chimica Acta*. 367(1-2):62-8, 2006 May.
28. **(Correspondence Author) Kuo WW**, Liu CJ, Chu CH, Liu JY, Lu MC, Chen LM, Lin JA, **Lee SD***, Huang CY*. Cardiomyoblast apoptosis induced by insulin-like growth factor (IGF)-I resistance is IGF-II dependent and synergistically enhanced by angiotensin II. *Apoptosis*. 11(7):1075-89, 2006 Jul. *(Share equal contribution with Correspondence Author)
29. Huang EJ, Wu CC, **Lee SD**, Chen JH, Liu JY, Ko JL, Lin JA, Lu MC, Chen LM, Huang CY, Kuo WW. Opposing action of estrogen receptors alpha and beta on tumor necrosis factor-alpha gene expression and caspase-8-mediated apoptotic effects in HA22T cells. *Molecular and Cellular Biochemistry*. 287(1-2):137-45, 2006 Jul.
30. **(First Author) Lee SD**, Chu CH, Huang EJ, Lu MC, Liu JY, Liu CJ, Hsu HH, Lin JA, Kuo WW, Huang CY. Roles of insulin-like growth factor-II in cardiomyoblast apoptosis and in hypertensive rat heart with abdominal aorta ligation. *American Journal of Physiology - Endocrinology & Metabolism*. 291(2):E306-14, 2006 Aug.
31. **(First Author) Lee SD**, Huang CY, Shu WT, Chen TH, Lin JA, Hsu HH, Lin CS, Liu CJ, Chen LM*, Kuo WW*. Pro-inflammatory states and IGF-I level in ischemic heart disease with low or high serum iron. *Clinica Chimica Acta*. 370(1-2):50-6, 2006 Aug.
32. Hsu HH, Cheng SF, Chen LM, Liu JY, Chu CH, Weng YJ, Li ZY, Lin CS, **Lee SD**, Kuo WW, Huang CY. Over-expressed estrogen receptor-alpha up-regulates hTNF-alpha gene expression and down-regulates beta-catenin signaling activity to induce the apoptosis and inhibit proliferation of LoVo colon cancer cells. *Molecular and Cellular Biochemistry*. 289(1-2):101-9, 2006 Sep.
33. Huang EJ, Wu CC, Huang HP, Liu JY, Lin CS, Chang YZ, Lin JA, Lin JG, Chen LM, **Lee SD**, Kuo WW, Huang CY. Apoptotic and anti-proliferative effects of 17beta-estradiol and 17beta-estradiol-like compounds in the Hep3B cell line. *Molecular and Cellular Biochemistry*. 290(1-2):1-7, 2006 Oct.
34. **(Correspondence Author) Yang AL**, Su CT, Lin KL, Chao JI, You HP, **Lee SD***. Exercise training improves insulin-induced and insulin-like growth factor-1-induced vasorelaxation in rat aortas. *Life Sciences* 79(21):2017-21, 2006 Oct.

35. Tsai MC, Tang CT, Chang, Cheng CL, Liao JM, **Lee SD**, Pan SF, Chen MJ, Huang PC, Lin TB. Effects of selective unilateral dorsal root(s) rhizotomy on micturition reflex in anesthetized rats. *Neurourology and Urodynamics*. 25(7):820-7, 2006 Oct.
36. Yang AL, Chao JI, **Lee SD***. Altered insulin-mediated and insulin-like growth factor-1-mediated vasorelaxation in aortas of obese Zucker rats. *International Journal of Obesity*. 31(1):72-7, 2007 Jan.
37. Yang AL, **Lee SD**, Su CT, Wang JL, Lin KL. Effects of exercise intervention on patients with stroke with prior coronary artery disease: aerobic capacity, functional ability, and lipid profile: a pilot study. *Journal of Rehabilitation Medicine*. 39(1):88-90, 2007 Jan.
38. **(Correspondence Author)** Yang AL, Lo MJ, Ting H, Chen JS, Huang CY, **Lee SD***. GABA-A and GABA-B Receptors Differentially Modulate Volume and Frequency in Ventilatory Compensation in Obese Zucker Rats. *Journal of Applied Physiology* 102(1):350-7, 2007 Jan.
39. Chen LM, Kuo WW, Yang JJ, Wang SG, Yeh YL, Tsai FJ, Ho YJ, Chang MH, Huang CY*, **Lee SD***. Eccentric Cardiac Hypertrophy was Induced by Long-term Intermittent Hypoxia. *Experimental Physiology*. 92(2):409-416, 2007 Mar.
40. **(First Author)** **Lee SD**, Kuo WW, Lin JA, Chu YF, Wang CK, Yeh YL, Wang SG, Liu JY, Chang MH, Huang CY. Effects of long-term intermittent hypoxia on mitochondrial and Fas death receptor dependent apoptotic pathways in rat hearts. *International Journal of Cardiology*. 116(3):348-56, 2007 Apr.
41. Chang MH, Kuo WW, Li PC, Lin DY, **Lee SD**, Tsai FJ, Jong GP, Lin YM, Huang CY, Wu WJ. Down regulation of IGF-I and IGF-IR gene expression in right atria tissue of ventricular septal defect infants with right atria hypoxemia. *Clinica Chimica Acta*. 379(1-2):81-6, 2007 Apr.
42. **(Correspondence Author)** Wu MK, Wang CK, Bai YM, Huang CY, **Lee SD***. Outcomes of obese, clozapine-treated inpatients with schizophrenia placed on a six-month diet and physical activity program. *Psychiatric services*. 58(4):544-50, 2007 Apr.
43. **(First Author)** **Lee SD**, Tzang BS, Kuo WW, Lin YM, Yang AL, Chen SH, Tsai FJ, Wu FL, Lu MJ, Huang CY. Cardiac Fas receptor-dependent apoptotic pathway in obese Zucker rats. *Obesity (Silver Spring)*. 15(10):2407-15, 2007 Oct. Impact Factor, 4.389
44. Lu MC, Tzang BS, Kuo WW, Wu FL, Chen YS, Tsai CH, Huang CY, **Lee SD***. More activated cardiac mitochondrial dependent apoptotic pathway in obese Zucker rat. *Obesity (Silver Spring)*. 15(11):2634-42, 2007 Nov. Impact Factor, 4.389
45. **(Correspondence Author)** Jong GP, Wang YF, Tsai FJ, Tsai CH, Wu CL, Liu RH, Hsieh DJ, Ko FY, Huang CY*, **Lee SD***. Immunoglobulin E and matrix metalloproteinase-9 in patients with different stages of coronary artery diseases. *Chinese Journal of Physiology*, 50(6):277-82, 2007 Dec 31.
46. Chen GD, Peng ML, Wang PY, **Lee SD**, Chang HM, Pan SF, Chen MJ, Tung KC, Lai CY, Lin TB. Calcium/calmodulin-dependent kinase II mediates NO-elicited PKG activation to participate in spinal reflex potentiation in anesthetized rats. *American journal of physiology. Regulatory, integrative and comparative physiology*. 294(2):R487-93, 2008 Feb.
47. Peng HY, Cheng YW, **Lee SD**, Ho YC, Chou D, Chen GD, Cheng CL, Hsu TH, Tung KC, Lin TB. Glutamate-mediated spinal reflex potentiation involves ERK 1/2 phosphorylation in anesthetized rats. *Neuropharmacology*. 54(4):686-98, 2008 Mar.
48. **(Correspondence Author)** Wu MK, Huang CY, Liou YJ, Wang CK, **Lee SD***. Glucose-insulin homeostasis, lipid profiles and GH-IGF-IGFBP axis in clozapine-treated schizophrenic obesity versus non-psychiatric obesity. *International Journal of Obesity*. 32(3):436-42, 2008 Mar.
49. **(Correspondence Author)** Wu HC, Yeh YL, Kuo WW, Huang SK, Kuo WH, Hsieh DJ, Wu CL, Tsai CH, **Lee SD***, Huang CY*. P38 mitogen-activated protein kinase pathways are involved in the hypertrophy and apoptosis of cardiomyocytes induced by *Porphyromonas gingivalis* conditioned medium. *Cell Biochemistry and Function*. 26(2):246-55, 2008 Mar-Apr.
50. **(First Author)** **Lee SD**, Kuo WW, Bau DT, Ko FY, Wu FL, Kuo CH, Tsai FJ, Wang PS, Lu MC*, Huang CY*. The coexistence of nocturnal sustained hypoxia and obesity additively increases cardiac apoptosis. *Journal of Applied Physiology* 104(4):1144-1153, 2008 Apr.
51. **(Correspondence Author)** Yang AL, Su CT, Lin KL, **Lee SD***. Enhancement of Vascular Function Mediated by Insulin and Insulin-like Growth Factor-1 following Single Exercise Session. *Chinese Journal of Physiology*, 51(2): 71-77, 2008 Apr.

52. Pan SF, Peng HY, Chen CC, Chen MJ, **Lee SD**, Cheng CL, Shyu JC, Liao JM, Chen GD, Lin TB. Nicotine-activated descending facilitation on spinal NMDA-dependent reflex potentiation from pontine tegmentum in rats. *American journal of physiology-Renal physiology*. 294(5):F1195-204, 2008 May.
53. Liu TC, Liu YY, **Lee SD**, Huang CY, Chien KY, Cheng IS, Lin CY, Kuo CH. Effects of short-term detraining on measures of obesity and glucose tolerance in elite athletes. *Journal of Sports Sciences*. 26(9):919-25, 2008 Jul.
54. Peng HY, Chang HM, Chang SY, Tung KC, **Lee SD**, Chou D, Lai CY, Chiu CH, Chen GD, Lin TB. Orexin-A modulates glutamatergic NMDA-dependent spinal reflex potentiation via inhibition of NR2B subunit. *American journal of physiology. Endocrinology and metabolism*. 295(1):E117-29, 2008 Jul.
55. Peng HY, Huang PC, Liao JM, Tung KC, **Lee SD**, Cheng CL, Shyu JC, Lai CY, Chen GD, Lin TB. Estrous cycle variation of TRPV1-mediated cross-organ sensitization between uterus and NMDA-dependent pelvic-urethra reflex activity. *American journal of physiology. Endocrinology and metabolism*. 295(3):E559-68, 2008 Sep.
56. Hsu TH, Liu YF, **Lee SD**, Chen SM, Lee JP, Fang CL, Liu TC, Kuo CH. Suppression of Age-Dependent Increase in Insulinemia in Early Middle-Aged Females with Exercise Habit. *Chinese Journal of Physiology* 51(5): 263-268, 2008 Oct.
57. Huang CY, **Lee SD***. Short-Term versus Long-Term Intermittent Hypobaric Hypoxia on Cardiac Fibrosis and Fas Death Receptor Dependent Apoptotic Pathway in Rat Hearts. *Chinese Journal of Physiology*. *Chinese Journal of Physiology* 51(5): 308-316, 2008 Oct.
58. Peng HY, Chang HM, **Lee SD**, Huang PC, Chen GD, Lai CH, Lai CY, Chiu CH, Tung KC, Lin TB. TRPV1 mediates the uterine capsaicin-induced NMDA NR2B-dependent cross-organ reflex sensitization in anesthetized rats. *American journal of physiology. Renal physiology*. 295(5):F1324-F1335, 2008 Nov
59. Ho CT, Su CL, Liou YF, **Lee SD**, Chien KY, Chen MT, Kuo CH. Aging Effects on Glycemic Control and Inflammation for Politicians in Taiwan. *Chinese Journal of Physiology* 51(6): 402-407, 2008 Dec.
60. **(First Author) Lee SD**, Kuo WW, Ho YJ, Lin AC, Tsai CH, Wang HF, Kuo CH, Yang AL, Huang CY, Hwang JM. Cardiac Fas-dependent and mitochondria-dependent apoptosis in ovariectomized rats. *Maturitas*. 20;61(3):268-77, 2008 Nov. 2009
61. Wang HT, Chen SM, **Lee SD**, Hsu MC, Chen KN, Liou YF, Kuo CH. The role of DHEA-S in the mood adjustment against negative competition outcome in golfers. *Journal of Sports Sciences*. 27(3):291-7., 2009 Feb.
62. Yi-Chang Cheng, Wei-Wen Kuo, Chieh-Hsi Wu, Wen-Tong Shu, Chia-Hua Kuo, Jin-Ming Hwang, Hsi-Hsien Hsu, Li-Ming Chen, Chih-Yang Huang, **Shin-Da Lee***. Iron status and cardiovascular risk factors in patients with haemodialysis versus patients with ischaemic heart disease. *Nephrology (Carlton)*. 14(1):65-9, 2009 Feb.
63. Chen CH, Liu YF, **Lee SD**, Huang CY, Lee WC, Tsai YL, Hou CW, Chan YS, Kuo CH. Altitude hypoxia increases glucose uptake in human heart. *High Altitude Medicine & Biology*. 10(1): 83-86, 2009 Mar.
64. Peng HY, Chen GD, Tung KC, Lai CY, Hsien MC, Chiu CH, Lu HT, Liao JM, **Lee SD**, Lin TB. Colon mustard oil instillation induced cross-organ reflex sensitization on the pelvic-urethra reflex activity in rats. *Pain*. 142(1-2):75-88, 2009 Mar.
65. Peng HY, Chen GD, **Lee SD**, Lai CY, Chiu CH, Cheng CL, Chang YS, Hsieh MC, Tung KC, Lin TB. Neuroactive steroids inhibit spinal reflex potentiation by selectively enhancing specific spinal GABA(A) receptor subtypes. *Pain*. 143(1-2):12-20, 2009 May.
66. Ting H, Lo HS, Chang SY, Chung AH, Kuan PC, Yuan SC, Huang CN, **Lee SD**. Post- to pre-overnight sleep systolic blood pressures are associated with sleep respiratory disturbance, pro-inflammatory state and metabolic situation in patients with sleep-disordered breathing. *Sleep Med*. 10(7):720-5, 2009 Aug.
67. **(Co-first Author#)** Peng HY, Chen GD, Tung KC, Chien YW, Lai CY, Hsieh MC, Chiu CH, Lai CH, **Lee SD#**, Lin TB. Estrogen-dependent facilitation on spinal reflex potentiation involves the Cdk5/ERK1/2/NR2B cascade in anesthetized rats. *American Journal of Physiology - Endocrinology & Metabolism*. 297(2):E416-26, 2009 Aug.
67. **(Co-first Author#)** Peng HY, Chen GD, Tung KC, Chien YW, Lai CY, Hsieh MC, Chiu CH, Lai CH, **Lee SD#**, Lin TB. Estrogen-dependent facilitation on spinal reflex potentiation involves the

Cdk5/ERK1/2/NR2B cascade in anesthetized rats. *American Journal of Physiology - Endocrinology & Metabolism*. 297(2):E416-26, 2009 Aug.

68. **(Co-Correspondence)** Kuo WW, Huang CY, Chung JG, Yang SF, Tsai KL, Chiu TH, **Lee SD**, Ou HC. Crude extracts of *Solanum lyratum* protect endothelial cells against oxidized low-density lipoprotein-induced injury by direct antioxidant action. *Journal of Vascular Surgery*, 50(4): 849-860, 2009.

69. **(Correspondence Author)** Kuo WW, Chung LC, Liu CT, Wu SP, Kuo CH, Tsai FJ, Tsai CH, Lu MC, Huang CY, **Lee SD**. Effects of insulin replacement on cardiac apoptotic and survival pathways in streptozotocin-induced diabetic rats. *Cell Biochem Funct*. 27(7):479-87, 2009 Oct.

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