

# CURRICULUM VITAE

Jul. 27<sup>th</sup>, 2009

## PERSONAL

Shinn-Zong Lin, M.D., Ph.D. (John Lin)  
Professor of Neurosurgery of China Medical University  
Superintendent, China Medical University Beigang Hospital  
Vice Superintendent, Center for Neuropsychiatry, China Medical University Hospital

## PERSONAL DATA

Birth Date : April 2, 1955  
Birthplace : Taiwan  
Office Address : China Medical University Hospital, 2, Yuh-Der Rd., Taichung, Taiwan, 40447  
TEL : 886-4- 22052121 ext. 6034  
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## EDUCATION

Medical Education (M.D. Program):  
National Defense Medical Center, Taipei, Taiwan.  
August, 1973 --- July, 1980

Neurosurgical Board Program: Residency in Neurosurgery,  
Tri-Service General Hospital, Taipei, Taiwan.  
July, 1980 --- June, 1986

Ph.D., Program:  
Graduate Student, Dept. Physiology and Biophysics, and  
Dept. Neurological Surgery, State University of New York at  
Stony Brook. U.S.A.  
August, 1986 --- August, 1989

Master of Medical Management, Tulane University, U.S.A.  
October 1998- May 2000

## ACADEMIC APPOINTMENT

Professor of Neurosurgery  
China Medical University  
Taichung, Taiwan 2007 ~ present

Professor of Neurosurgery  
Tzu Chi University  
Hualien, Taiwan 2001/12 ~ 2007/7

Professor of Neurosurgery

National Defense Medical Center  
Taipei, Taiwan 1996 ~ 2001/11

Associate professor of Neurosurgery  
National Defense Medical Center  
Taipei, Taiwan 1989 ~ 1995

### **AREAS OF EXPERTISE**

Neuroscience  
Neurosurgery  
Translational Science  
Hospital Management

### **LICENSES**

Medical License, Taiwan, 1980  
Board of Surgery, Taiwan, 1984  
Board of Neurosurgery, Taiwan, 1985  
Board of Endoscopic Surgery, Taiwan 1996  
Board of Critical Care, Taiwan 1999  
Board of Hospital management, Taiwan, 2001  
Certified Physician Investigator (C.P.I.), 2006

### **PROFESSIONAL SOCIETIES ADMINISTRATOR**

1. President, International College of Surgeons, Taiwan Section
2. President, Taiwan Chinese-Western Medicine Neurology
3. President, Taiwan Neuroscience Society
4. President, Association International Society of Neural Transplantation and Repair
5. Board Member, Taiwan Surgical Association
6. Board Member, Taiwan Neurosurgical Society
7. Founder, Taiwan Neurosurgical Society
8. Founder, Taiwan Neuroscience Society
9. Founder, Taiwan Stroke Society
10. Executive Member, Asian Congress of Neurosurgery
11. Board Member, Taiwan College of Healthcare Executives
12. Chinese Pharmacological Society
13. Chinese Physiological Society
14. The New York Academy of Sciences
15. International Society of Cerebral Blood Flow and Metabolism
16. International Stroke Society
17. World Federation of Neurosurgical Society
18. American Association for the Advancement of Science
19. American Association of Neurological Surgery
20. Congress of Neurological Surgery
21. American Society of Neural Transplantation and Repair
22. American Association of Gene Therapy
23. Taiwan College of Healthcare Executives

24. Academy of Pharmaceutical Physicians and Investigators & Association of Clinical Research Professionals

### **JOURNAL EDITOR / PUBLISHER**

Editor

Cell Transplantation, 2008-present

Editorial Board

Neural Regeneration Research, 2007 ~ present

Publisher

Taiwan Chinese-Western Medicine Neurology Journal, 2007 ~ present

Editorial Board

Surgical Neurology, Taiwan Supplement, 2006- present

Editor

Experimental Neurology

Editorial Advisory Board

Formosan Journal of Surgery, 2003 ~ 2006

Editorial Board

Acta Neurologica Taiwanica, 2002 ~ 2006

Editorial Board

Tzu Chi Medical Journal, 2001/7 ~ 2005

Publisher

Tzu Chi Nursing Journal, 2001/7 ~ 2007/7

Editorial Board

Medical Digest, 1985-1986

### **HOSPITAL ADMINISTRATOR**

Superintendent

China Medical University Beigang Hospital  
Taichung, Taiwan 2009 ~ present

Vice Superintendent

Center for Neuropsychiatry, China Medical University Hospital  
Taichung, Taiwan 2007 ~ present

Superintendent

Tzu Chi General Hospital  
Hualien, Taiwan 2002/6 ~ 2007/4

Vice-Superintendent  
Tzu Chi General Hospital  
Hualien, Taiwan 2001/12 ~ 2002/6

Chairman of Neuro-Medical Scientific Center,  
Tzu Chi General Hospital  
Hualien, Taiwan 2001/12 ~ 2007/7

Chairman, Department of Neurological Surgery  
Tri-Service General Hospital  
Taipei, Taiwan 2000 ~ 2001/11

Chairman, Division of Neurosurgery  
Tri-Service General Hospital  
Taipei, Taiwan 1997 ~ 2000

### **INTERNATIONAL MEETING ADMINISTRATOR**

1. President, 9<sup>th</sup> International Neural Transplantation and Repair Society, 2005
2. Chairman of Scientific program, Pan Pacific Symposium on Stem Cell Research, 2008-2009
3. Executive President, Brain '01, the XXth the International Symposium on Cerebral Blood Flow, Metabolism and Function & International Conference on Quantification of Brain Function with PET, 2001
4. Vice President, Asia Congress of Neurological Surgery, 2000-2001

### **HONORS AND AWARDS**

1. Outstanding Intern. Veteran General Hospital and National Defense Medical Center, 1979-1980.
2. Outstanding Graduate Student, National Defense Medical Center, 1980.
3. Outstanding Physician, Tri-Service General Hospital, 1984.
4. Award of Ph.D. degree program from The National Science Council, R.O.C. 1986-1989.
5. Young Investigator Award, The First International Stroke Congress, 1989.
6. Outstanding Teacher, National Defense Medical Center, 1991.
7. Outstanding Teacher, National Defense Medical Center, 1993.
8. Outstanding Teacher, National Defense Medical Center, 1994.
9. Outstanding Army Officer, National Defense Department, 1996.
10. Chin-Si Wang Award, 1996.
11. Visiting Professor, Neurosurgery, Hospital Lariboisiere, Paris, France, 1996
12. Visiting Professor, National Institute of Drug Abuse, National Institute of Health, Batimore, USA, 1998.
13. Chai-Sin Yin Neuroscience Award, 1999.
14. Excellent Paper in Millennium of CVDPTF, 2000.
15. Y.C.Wang award of Neuroscience Society (R.O.C.), 2000 .
16. The Best Paper of Year 2000, International College of Surgeons, Taiwan, 2000.
17. International Surgical College Outstanding Paper 2005
18. Outstanding alumni 2006, National Defense Medical Center, North America.
19. Outstanding Researcher, School of Medicine, China Medical University, Taiwan, 2008
20. Outstanding Researcher, School of Medicine, China Medical University, Taiwan, 2009

## **CLINICAL TRIALS**

1. Fetal niagral transplantation in Parkinson's disease, 1996.
2. Granulocyte Colony-Stimulating factor for acute ischemic stroke: a randomized controlled trial.
3. GCSF activated peripheral blood CD34 stem cell intercerebral transplantation in old stroke patients, phase I/IIa trial, 2004

## **RESEARCH PROGRAMS**

1. Brain edema and heat stroke in rats. July, 1983 - June, 1984.
2. Innervations of middle cerebral arteries in cats. July, 1983 - June, 1984.
3. Effects of cervical sympathectomy on heat stroke. Aug. 1984 - July, 1985.
4. The pathophysiology and pharmacology of cerebral vasospasm in dogs. July, 1985 - June, 1986.
5. Effects of isovolemic hemodilution on cerebral microcirculation in normo- and hypertensive rats with carotid arterial ligation(I). Feb. 1990 - Jan. 1992.
6. Autoregulation of cerebral blood flow in head injury and stroke patients. July, 1990 - June, 1991.
7. Effects of isovolemic hemodilution on cerebral microcirculation in normo- and hypertensive rats with carotid arterial ligation(II), Feb. 1992 - Jan.. 1994.
8. Effects of cortical stripping on brain edema. July, 1991 - June, 1992.
9. Interstitial chemotherapy with novel 5-FU prodrug long acting dosage forms for malignant gliomas. July, 1992 - June, 1995.
10. The role of the trigeminal nerve and parasympathetic nerve on the alteration of local cerebral blood flow of adult spontaneously hypertensive rats in cold environment. Feb. 1992 - Jan. 1993.
11. Combined treatment with nicardipine, phenobarbital and methylprednisolone on vasogenic brain edema. July, 1992 - June, 1993.
12. Effects of hemodilution on local cerebral blood flow in rats with heat stress. July, 1992 - June, 1993.
13. Quantization of dopamine neurons in human sympathetic ganglia by immunocytochemistry. Feb. 1992 - Jan. 1993.
14. The role of the sphenopalatine, superior cervical and trigeminal ganglia on the alteration of local cerebral blood flow of normo-and hyper-tensive rats in cold environment. Feb. 1993 - Jan. 1996.
15. Transplantation of human sympathetic ganglia into the brain of parkinsonian rats. Feb. 1993 - July, 1995.
16. Effects of chronic denervation of cerebral arteries in rats with heat stroke (1). Aug. 1993 - July, 1995.
17. Cografts of human substantia nigra and basal ganglia in parkinsonian rats. Feb. 1993 - July, 1995.

18. The effect of ATP-MgC<sub>12</sub> on cerebral microcirculation, neuron and animal survival rats after ischemic-reperfusion injury. July, 1993 – June, 1994.
19. The role of NO on the regulation of local cerebral blood flow and its effects on cerebral edema and infarction (I). Feb. 1994 – July, 1995.
20. Effects of chronic denervation of cerebral arteries in rats with heat stroke (2). Aug. 1994 - July. 1995.
21. Potential pathophysiological roles of nitric oxide in traumatic brain swelling. Aug. 1994 – July, 1995.
22. Fetal mesencephalic transplantation for patients with Parkinson's disease. Aug. 1995 – July, 1997.
23. The role of NO on the regulation of local cerebral blood flow and its effects on cerebral edema and infarction (III) Aug. 1995 – July, 1996.
24. The protective effects of nerve trophic factors on ischemic brain. Aug. 1996 – July, 1997.
25. Fetal mesencephalic transplantation for parkinsonian patients and monkeys. Aug. 1996 – July, 1999.
26. The role of nitric oxide on cerebral ischemia induced by heat stress. July, 1996 – June, 1997.
27. Cerebral infarction and NO release in hypertensive animals. Aug. 1997 - July 1998
28. Neural transplantation in CNS injury: F-DOPA PET in neural transplantation. July, 1998 – June, 2000. NSC.
29. The role of poly (ADP-Ribose) synthetase on ischemic brain injury. Aug. 1998 – July 1999. NSC.
30. Gene therapy of brain tumors by herpes simplex virus type 1 thymidine kinase gene delivered by adenovirus and angiostatins gene delivered by adeno-associated virus. July, 1998 – July, 2001. DOH.
31. Effect of cellular rejection on brain infarction. July, 1998 – Dec. 2001. DOH.
32. Therapeutic effects of Chinese medicine on the cerebrovascular aging and stroke. July, 1999 – June, 2000. DOH.
33. Transplantation with fetal lateral ganglionic eminence for treating Huntington's disease. Aug. 1999 – July, 2002. NSC.
34. Alteration of electrophysiological circuit after various neural transplantation in basal ganglionic degenerative diseases. Aug. 1999 – July, 2002. NSC.
35. Bridge transplantation with nerves and neurotrophic factor in Parkinson's disease. Aug. 2002 – July, 2003. NSC.
36. Establish a cell therapy system by nuclear transfer for Parkinson's Disease. Aug. 2003 – July, 2004. NSC.
37. "Stroke & Cerebrovascular diseases" - E-learning project of Department of Health ROC. Oct. 2003 ~ Dec. 2007
38. Effects of neuroprotective drugs and stem cell transplantation on brain injury. Jan. 2004 – Dec. 2004.
39. Effects of stem cell implantation and GM-CSF administration on neurotransmitter profile in rat models of ischemic stroke. Jan. 2004 – Dec. 2004. NSC.

40. The investigation of the mechanism of parkin gene and AR-JP (Autosomal Recessive Juvenile Parkinsonism). Feb. 2004 – Jan. 2005. NSC
41. Effects of stem cell transplantation on brain and nerve injury. Jan. 2005 – Dec. 2005.
42. Application of human placenta mesenchymal stem cells (PMSCs) in stroke and parkinson's model. Aug. 2005 – July 2008. NSC
43. Clinical investigation of G-CSF injection combined with intracerebral transplantation of autologus peripheral blood hematopoietic stem cells (CD34<sup>+</sup>) in treatment of patients with chronic cerebral infarction. Feb. 2006- Dec. 2006. DOH
44. Clinical investigation of G-CSF injection combined with intracerebral transplantation of autologus peripheral blood hematopoietic stem cells (CD34<sup>+</sup>) in treatment of patients with chronic cerebral infarction. Jan. 2007-Dec. 2007. DOH
45. Molecular mechanism of neuroplasticity in peripheral blood stem cell (CD34<sup>+</sup>) transplantation in rat parkinson's model. Aug. 2008-July 2011. NSC
46. Phase II Clinical Trial of Treatment of Chronic Ischemic Stroke Patients with Brain Transplant of Autologus Stem Cell. July 2009-Jun. 2010. DOH

## **PATENTS**

### **(A)Issued:**

1. Entitled: Method for Extracting Antineoplastic Componets from Bupleurum Scorzoniferifolium(USA)  
Patent No: US7,348,032 B2  
Patent period: 2008/3/25-2023/10/21
2. Entitled: Method of treating brain tissue damages(USA)  
Patent No: US7,427,597 B2  
Patent period: 2008/9/23-2025/11/21
3. Entitled: Angelicae sinensis extracts useful for treatment of cancers (USA)  
Patent No: US7,455,861 B2  
Patent period: 2008/11/25-2029/11/24
4. Entitled: Pharmaceutical Composition for Inhibiting/Treating Brain Cancer(TAIWAN)  
Patent certificate: I298259  
Patent period: 2008/07/01-2025/10/6
5. Entitled: Methods for preparing human umbilical Cord serum as a culture medium and culturing stem cells (TAIWAN)  
Patent certificate: I300095  
Patent period: 2008/08/21-2025/7/19
6. Entitled: Medical Use of Secretoneurin For Treating Brain Tissue Damages(TAIWAN)  
Patent certificate: I305496  
Patent period: 2009/01/21-2026/02/02

### **(B)Applied:**

1. 20090111870 / Angelicae Sinensis Extracts Useful for Treatment of Cancers (USA)
2. 20080050350 / Method for introducing an exogenous gene into a stem cell (USA)
3. 20070141035 / Pluripotent olfactory stem cells (USA)

4. 20070134351 / Angelicae Sinensis Extracts Useful for Treatment of Cancers (USA)
5. 20070116677 / Brain tissue damages (USA)
6. 20060264365 / Treatment of brain tissue damage (USA)
7. 20060263332 / Therapies for brain tissue damage (USA)
8. 20060110469 / Angelicae sinensis extracts useful for treatment of cancers (USA)
9. 20060079575 / Gamma-butyrolactone compound and pharmaceutical composition thereof (USA)
10. 20050013879 / Method for extracting antineoplastic components from Bupleurum scorzonerifolium (USA)
11. 61/180,243 / Cell Therapy for Brain Tissue Damage (USA)

## **PUBLICATIONS**

### Refereed papers

1. **S-Z Lin**, C-J Shih, Y-C Wang, S-H Tsai. (1984) Intracerebral Hematoma Simulating a new growth. *Surgical Neurology* 21: 459-64.
2. S-H Tsai, **S-Z Lin**, C-J Shih. (1984) Effects of pre-ganglionic decentralization or post-ganglionic excision of the superior cervical ganglia on brain edema and heat stroke in rats. *Proceedings of the National Science Council Part B: Life Sciences* 8 (4): 335-340.

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3. S-H Tsai, **S-Z Lin**, S-D Wang, J-C Liu, C-J Shih. (1985) Retrograde localization of the innervation of the middle cerebral artery with horseradish peroxidase in cats. *Neurosurgery* 16 (4): 463-467.
4. J-L Chen, **S-Z Lin**, C-J Shih, Y-C Wang, S-H Tsai, M-Y Liu. (1985) The pathogenesis of the cerebral epidermoid cyst review of literature and report of seven cases. *Chinese Medical Journal* 38: 528-533.
5. **S-Z Lin**, C-J Shih, M-T Lin, S-H Tsai. (1985) Effects of sympathectomy on brain edema. *Brain Edema (Y. Inaba et al.)* 672-676.

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6. M-J Sun, Y-C Wang, M-Y Liu, **S-Z Lin**, W-H Lee. (1986) Ossifying fibroma of the skull: a report of three cases and review of the literature. *Chinese Medical Journal* 295-299.
7. M-J Sun, Y-C Wang, M-Y Liu, K-S Chuang, **S-Z Lin**, W-L Chenn, W-H Lee, Y-C Tu. (1986) Alpha-fetoprotein, human chorionic gonadotropin and carcinoembryonic antigen in pineal region tumors. *Chinese Medical Journal* 38: 272-279.

-----1988-----

8. Y-H Chiang, Y-C Wang, M-Y Liu, K-S Chuang, **S-Z Lin**, C-F Su, M-J Sun. (1988) Single

burr-hole craniostomy with closed-system suction drainage in treatment of chronic subdural hematomas. *J. Formosan Med. Assoc.* 87: 317-322.

9. M-J Sun, Y-C Wang, M-Y Liu, **S-Z Lin**. (1988) Parasellar meningioma. *J. Surg. Assoc. R.O.C.* 21: 154-164.
10. P.S.P. Ho, C-C Lee, J-Y Wang, Y-C Wang, **S-Z Lin**, F-H Chen, J-L Chen. (1988) Measurement of basilar artery diameter in dogs: CT evaluation correlated with arteriography. *Neuroradiology* 30: 239-244.

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11. W-S Song, **S-Z Lin**, J-L Chen, M-Y Liu, Y-C Wang. (1989) Epidural Hematoma as a complication of ventricular decompression: a report of four cases. *J. Surg. Assoc. R.O.C.* 22 (1): 78-82.

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12. A Tajima, M-H Yen, H Nakata, **S-Z Lin**, C Patlak, R Blasberg, J Fenstermacher. (1990) Effects of dexamethasone on blood flow and volume of perfused microvessels in traumatic brain edema. *Advances in Neurology* 52: 343-350.
13. H Nakata, M-H Yen, A Tajima, **S-Z Lin**, K Pettigrew, R Blasberg, J Fenstermacher. (1990) Dexamethasone effects on the distribution of water and albumin in cold-injury cerebral edema. *Advances in Neurology* 52: 335-342.
14. M-T Lin, **S-Z Lin**. (1990) Decentralization of superior cervical ganglia attenuates heat stroke formation in rabbits. *Chinese Journal of Physiology* 33(3):247-253.
15. **S-Z Lin**, N Sposito, S Pettersen, L Rybacki, E McKenna, K Pettigrew, J Fenstermacher. (1990) Cerebral capillary bed structure of normotensive and chronically hypertensive rats. *Microvascular Research* 40: 341-357.
16. **S-Z Lin**, H Nakata, A Tajima, K Gruber, V Acuff, C Patlak, J Fenstermacher. (1990) Quantitative autoradiographic assessment of <sup>55</sup>Fe-RBC distribution in rat brain. *J. Appl. Physiol.* 69 (5): 1637-1643.

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17. H Nakata, A Shimizu, A Tajima, **S-Z Lin**, K Gruber, E Perillo, N Peress, J Fenstermacher. (1991) The effects of chronic serum sickness on albumin distribution and glucose utilization in rat brain. *Acta Neuropathol* 81: 312-317.
18. C-W Chou, **S-Z Lin**, M-Y Liu, C-F Su, D-S Wang, S-Y Chiou, J-L Chang, G-S Huang. (1991) Osteoblastoma of the spine a report of two cases and literature review. *J. Surg. Assoc. R.O.C.* 24 (1) 639-645.
19. C-Y Cheng, S-Y Chiou, **S-Z Lin**, C-F Su, M-Y Liu, Y-C Wang, W-H Lee. (1991) Thoracic spinal extradural angioliopoma: a case report and literature review. *J. Surg. Assoc. R.O.C.* 24 (1) 646-650.
20. T-L Chiou, **S-Z Lin**, Y-C Wang, M-Y Liu, C-F Su, Y-H Chiang, D-M Yeh. (1991) Intraventricular oligodendrogliomas: their different clinical presentations and outcomes from

parenchymal oligodendrogliomas. J. Surg. Assoc. R.O.C. 24 (3): 681-686.

21. C-Y Cheng, Y-L Chang, C-F Su, **S-Z Lin**, M-Y Liu, Y-C Wang, W-H Lee. (1991) Chronic subdural hematoma secondary to metastatic squamous cell carcinoma on the dura mater: a case report. J. Surg. Assoc. R.O.C. 24: 785-789.
22. J Fenstermacher, H Nakata, A Tajima, **S-Z Lin**, T Otsuka, V Acuff, L Wei, D Bereczki. (1991) Functional variations in parenchymal microvascular systems within the brain. Magnetic Resonance In Medicine 19: 217-220.
23. M-T Lin, **S-Z Lin**. (1991) Cerebral ischemia is the main cause for the onset of heat stroke syndrome in rabbits. Experientia 48:225-227.

-----1992-----

24. C-Y Cheng, Y-M Fu, Y-H Chiang, C-F Su, **S-Z Lin**, M-Y Liu. (1992.03/04) Traumatic intraventricular hemorrhage clinical analysis of 28 cases. Journal of Surgical Association, R. O. C. 25 (2): 1087-1093.
25. A Tajima, H Nakata, **S-Z Lin**, V Acuff, J Fenstermacher. (1992) Differences and similarities in albumin and red blood cell flows through cerebral microvessels. Am. J. Physiol. 262: H1515-H1524.
26. H-I Ma, **S-Z Lin**, Y-M Fu, W-H Lee, C-C Lee. (1992.05/06) Intraventricular meningioma occurring after the transsphenoidal removal of a pituitary adenoma without irradiation: a case report. Journal of Surgical Association, R. O. C. 25 (3): 1202-1207.
27. L Wei, **S-Z Lin**, A Tajima, H Nakata, V Acuff, C Patlak, K Pettigrew, J Fenstermacher. (1992) Cerebral glucose utilization and blood flow in adult spontaneously hypertensive rats. Hypertension 20: 501-510.
28. Y-M Fu, W-H Lee, M-Y Liu, Y-H Chiang, M-J Sun, **S-Z Lin**. (1992.07/08) Primary malignant fibrous histiocytoma of the heart with brain metastasis: case report. Journal of Surgical Association, R. O. C. 25 (4): 1286-1292.
29. G-J Chen, **S-Z Lin**, M-Y Liu, Y-M Fu, Y-C Wang. (1992.07/08) Radiation necrosis of the brain: a report of three cases and literature review. Journal of Surgical Association, R. O. C. 25 (4): 1293-1297

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30. W-S Song, Y-M Fu, **S-Z Lin**, C-F Su, Y-H Chiang, M-Y Liu. (1993) Unusual calvarial tumors: case reports. Journal of Surgical Association, R. O. C. 26 (3): 1820-1826.
31. O.Y.P Hu, K.M Kwok, **S-Z Lin**, T-C Hsu. (1993) Simultaneous determination of tegafur and its active metabolite, 5-fluorouracil, by high-performance liquid chromatography in plasma and brain. The Chinese Pharmaceutical Journal 45 (6):583-589.

-----1994-----

32. T-L Chiou, Y-H Chiang, W-S Song, **S-Z Lin**. (1994) Transdural cortical stabbing facilitates the drainage of edema fluid out of cold-injured brain. Acta Neurochir 60: 459-461. –網路沒有

33. **S-Z Lin**, T-L Chiou, Y-H Chiang, W-S Song. (1994) Combined Treatment with nicardipine, phenobarbital, and methylprednisolone ameliorates vasogenic brain edema. *Acta Neurochir* 60: 528-530.
34. Y Wang, S-D Wang, **S-Z Lin**, J-C Liu. (1994) Restoration of dopamine overflow and clearance from the 6-hydroxydopamine lesioned rat striatum reinnervated by fetal mesencephalic grafts. *The Journal of Pharmacology and experimental Therapeutics* 270 (2): 814-821.
35. W-S Song, Y-H Chiang, C-Y Chen, **S-Z Lin**, M-Y Liu. (1994) A simple method for diagnosing traumatic occlusion of the vertebral artery at the craniovertebral junction. *Spine* 19: 837-839.

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36. **S-Z Lin**, T-L Chiou, Y-H Chiang, W-S Song. (1995) Hemodilution accelerates the passage of plasma (not red cells) through cerebral microvessels in rats. *Stroke* 26: 2166-2171.
37. Y-P Tsao, S-W Kuo, S-F Li, J-C Liu, **S-Z Lin**, K-Y Chen, S-L Chen. (1995) Differential regulation of cyclin A, cyclin B and p21 concentrations in a growth-restricted human fibroblast cell line. *Biochem. J.* 312:693-698.
38. -J Wang, T-M Chen, T-S Yang, S-D Wang, **S-Z Lin**. (1995) Regional skin blood flow in deep burn wounds: a preliminary report. *Burns* 21 (5): 340-343.
39. Y-D Hsu, S-S Chen, W-H Lee, **S-Z Lin**, M-C Kao, W-L Tsao. (1995) Mitochondrial alterations of skeletal muscle in a heat stress rat model. *Proceedings of the National Science Council, R.O.C. Part B: Life Sciences* 19 (4): 233-239.

-----1996-----

40. Y-L Chang, **S-Z Lin**, Y-H Chiang, M-Y Liu, W-H Lee. (1996) Pineal ganglioglioma with premature thelarche: report of a case and review of the literature. *Child's Nerv Syst* 12: 103-106.
41. **S-Z Lin**, A-L Chiou, Y Wang. (1996) Ketamine antagonizes nitric oxide release from cerebral cortex after middle cerebral artery ligation in rats. *Stroke* 27: 747-752.
42. **S-Z Lin**, T-L Chiou, W-S Song, Y-H Chiang. (1996) Isovolemic hemodilution normalizes the prolonged passage of red cells and plasma through cerebral microvessels in the partially ischemic forebrain of rats. *Journal of Cerebral Blood Flow and Metabolism* 16: 280-289.
43. Y-C Wang, G-J Lee, W-K Chen, C-I Huang, W-F Chen, G-J Chen, **S-Z Lin**. (1996) Alteration of cerebral microcirculation by hemodilution with hemosome in awake rats. *Art. Cells, Blood Subs. and Immob. Biotech.* 24 (1): 35-42.
44. C-F Chang, M-Y Liu, **S-Z Lin**, H-S Lee. (1996) Intracellular cavernous hemangioma: case report. *Journal of Surgical Association, R. O. C.* 29 (1): 50-54.

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45. Y Wang, **S-Z Lin**, A-L Chiou, L. R. Williams, B. J. Hoffer. (1997) Glial cell line-derived neurotrophic factor protects against ischemia-induced injury in the cerebral cortex. *Journal*

of Neuroscience 17 (11): 4341-4348.

46. Y Wang, S-D Wang, **S-Z Lin**, A-L Chiou, L-K Chen, J-F Chen, F-C Zhou. (1997) Transplantation of microencapsulated PC12 cells provides long-term improvement of dopaminergic functions. Chinese Journal of Physiology 40 (3): 121-129.
47. S-C Liang, **S-Z Lin**, J-F Yu, S-F Wu, S-D Wang, C-J Liu. (1997) F344-rnu/rnu athymic rats: breeding performance and acceptance of subcutaneous and intracranial xenografts at different ages. Laboratory Animal Science 47 (5): 549-553.

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48. J-J Lin, **S-Z Lin**, G-Y Lin, D-C Chang, C-C Lee. (1998) Application of bilateral sequential pallidotomy to treat a patient with generalized dystonia. Eur. Neurol. 40: 108-110.
49. Y-C Wang, J-S Kuo, **S-Z Lin**. (1998) The effect of sphenopalatine postganglionic neurotomy on the alteration of local cerebral blood flow of normotensive and hypertensive rats in acute cold stress. Proceedings of the National Science Council, Republic of China 22 (3): 122-128.
50. Y-C Wang, J-S Kuo, **S-Z Lin**. (1998) The effect of trigeminal neurotomy on the alteration of local cerebral blood flow of normotensive and hypertensive rats in acute cold stress. Chinese Journal of Physiology 41 (3): 167-173.
51. Y-H Su, R Chao, Y-H Chiang, **S-Z Lin**, M-Y Liu. (1998) Burr hole craniostomy and closed system drainage for selected cases of subacute subdural hematoma. J Med Sci 19 (1):47-52.

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52. **S-Z Lin**, B-J. Hoffer, P Kaplan, Y Wang. (1999) Osteogenic protein-1 against cerebral infarction induced by MCA-ligation in adult rats. Stroke 30: 126-133.
53. D-T Ju, R Chao, **S-Z Lin**, M-Y Liu. (1999) Results of anterior cervical discectomy and arthrodesis for cervical disc disease. J Med Sci 19 (6): 376-382.
54. J-J Lin, G-Y Lin, C Shih, **S-Z Lin**, D-C Chang, C-C Lee. (1999) Benefit of bilateral pallidotomy in the treatment of generalized dystonia. J. Neurosurgery 90: 974-976.
55. J-J Lin, D-C Yueh, D-C Chang, **S-Z Lin**. (1999) Absence of G209A and G88C mutations in the alpha-synuclein gene of Parkinson's disease in a Chinese population. Eur Neurology 42: 217-220.
56. J-J Lin, **S-Z Lin**, D-C Chang. (1999) Pallidotomy and generalized dystonia. Movement disorders 14 (6): 1057-1059.
57. Y-H Chiang, **S-Z Lin**, C-V Borlongan, B Hoffer, M Morales, Y Wang. (1999) Transplantation of fetal kidney tissue reduces cerebral infarction induced by middle cerebral artery ligation. J. of Cerebral Blood Flow and Metabolism 19: 1329-1335.
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3. April 21,1990: Symposium on brain tumor therapy in The 7th Annual Meeting of the Neurological Society of Republic of China, Taipei, Taiwan. “Blood-brain barrier and the limitation of chemotherapy in the CNS tumors”.

4. May 19, 1990: Symposium on. Craniocerebral Injury, Far Eastern Memorial Hospital, Taipei, Taiwan. "Effects of dexamethasone on the spreading of edema fluid and the cerebral microcirculation in traumatic brain edema".
5. June 9, 1990: Grand Rounds, Department of Anesthesiology. Tri-Service General Hospital, Taipei, Taiwan. "Changes of the cerebral microvascular functions in chronically hypertensive rats".
6. June 10, 1990: Symposium in Hydrocephalus in The Annual Meeting of the Chinese Medical Society, Taipei, Taiwan. "Normal pressure hydrocephalus".
7. July 12, 1990: Research Institute, Taichung Veteran General Hospital, Taichung, Taiwan. "Functional and structural changes in cerebral microvascular beds of chronically hypertensive rats."
8. Aug. 6, 1990: Grand Rounds, Department of Gynecology and Obstetrics, Tri-Service General Hospital, Taipei, Taiwan. "Brain tissue transplantation".
9. October, 26, 1990: Symposium on brain death, Taipei, Taiwan. "Brain stem function and brain death".
10. Jan. 6, 1991: Grand Rounds, Department of Surgery, Tri-Service General Hospital, Taipei, Taiwan, "Recent advances in neurosurgical operations at Tri-Service General Hospital".
11. March 23, 1991: Symposium on the Spinal cord injury in The Annual Meeting of The Surgical Association of Republic of China. "Non-Operative managements of the spinal cords injury."
12. April 27, 1991: Symposium on the Cerebral Ischemia in the 8th annual meeting of the Neurological Society of Republic of China. "The animal models of stroke and their clinical implications".
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23. April 10, 1993: Neurological Research Institute and Department of Neurology, Chang Gung Memorial Hospital, Taiwan. "Cerebral microcirculation".
24. May 10, 1993: Institutes of Biology and Anatomy; and Pharmacology, National Defense Medical Center, Taiwan. "Dopaminergic system".
25. Oct. 6, 1993: Chemical Engineering Institute, National Chin-Wa University, Taiwan. "Alteration of local cerebral blood flow after hemodilution with artificial plasma and hemosome".
26. Nov. 4, 1993: Research Institute, Taichung Veteran General Hospital, Taiwan. "Differences in therapeutic effects of hemodilution on forebrain ischemia of normo- and hyper-tensive rats".
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66. June 26, 27, 1999: Cancer Prevention Program for Thousand Mothers, Taipei, Taiwan. "Treatment and prevention for an malignant brain tumor and pediatric CNS tumors".
67. July 22, 1999: Grand Round "Sugical treatment of Parkinson's disease".

68. Aug. 27-30, The 7<sup>th</sup> Interantional Symposium on Neural Transolantation and Repair Abstr., Odense, Denmark.. “Neural transplantation reverses the inhibition of striatal neuron activity by dopamine in Huntington’s rats”.
69. Sep. 7, 1999: PET Symposium in Taipei. ”Brain imaging ofr Parkinson’s disease”.
70. Oct.15, 1999: Talifax Brain Tumor Symposium at Linko. “Gene therapy for malignant brain tumor”.
71. Oct. 22-28, 1999: Society for Neuroscience Abstr., Miami, Florida; USA. “Transplantation therapy for chronic stroke: fetal cortical cells, fetal kidney tissue and human derived cell line (hNT) neurons as graft source”.
72. Oct. 22-28, 1999: Society for Neuroscience Abstr., Miami, Florida; USA. “The relationship of GDNF receptors and fetal kidney transplantation induced neuroprotection”.
73. Nov. 24, 1999: Anniversary of National Defense Medical Center, Taipei. “Neural transplantation for Parkinson’s disease”.
74. Dec. 1, 1999: Grand Round of Neurosurgery and Neurology at Sin-Kun Hospital, Taipei. “Neuroscience research and its clinical application”.
75. Dec. 30 1999: Annual Meeting of International Congress of Surgery, Taipei. “Surgical treatments for Parkinson’s disease”.
76. Jan. 5, 2000: Grand Round of Chan-Kuo Medical College, Taichung. “Clinical neuroscience and supraorbital key hole brain surgery”.
77. Jan. 25, 2000: Health Workshop of “East, West, South, North” program, Taipei. “Degenerative neurological diseases in elders”.
78. April 8-13, 2000: The American Association of Neurological Surgeons Abstr., San Francisco, CA, USA. “7<sup>TH</sup> American Society for Neural Transplantation and Repair Abstr., Clearwater, Florida, USA. “Borlongan Detection of GDNF in cultured and grafted HNT neurons”.
79. May 27, 2000: Combined County Medical Meeting, Ma-Tsu Hospital. “Recent advances in the management of head trauma”.
80. May 31-June 9, 2000: American Society of Gene Therapy Abstr., Denver, Colorado, USA. “Tsao Combined gene therapy of ischemia-induced brain damage using two separate adeno-associated virus vectors expressing interleukin-1 receptor antagonist and glial cell line-derived neurotrophic factor”.
81. Aug. 29, 2000: Research Institute of Chinese Medicine, Taipei. “Stroke animal modeling and new drug development”.
82. Sep. 23-28, 2000: Congress of Neurological Surgeons Abstr., San Antonio, Texas, USA. “Bridging transplant of fetal kidney tissues exerts reparative effects in adult Parkinsonian rats”.

83. Nov. 5-9, 2000: Asian Conference of Neurological Surgeons Abstr., Nagoya, Japan. "Surgical treatment of Parkinson's disease-pallidotomy electrode implantation and transplantation".
84. Nov. 9, 2000: Asian Conference of Neurological Surgeons, Nagoya, Japan. "Surgical treatment of Parkinson's disease- pallidotomy electrode implantation and neural transplantation".
85. Nov. 23, 2000: Buddhist Tzu-Chi General Hospital, Hualien. "Recent advances in clinic and basic neurosurgical researches of the Tri-Service General Hospital".
86. Dec. 2, 2000: Symposium of CNS Tumor: An Update of Research and Clinical Practice, Tri-Service General Hospital, Taipei. "Gene therapy for malignant brain tumor".
87. Dec. 10, 2000: Annual Meeting of Taiwan Neurosurgery Society, Taichung. "Surgical treatment of Parkinson's disease- pallidotomy electrode implantation and neural transplantation".
88. Dec. 16, 2000: Monthly Conference of Chinese Times, Taipei. "Head and spine injury in sports".
89. Dec.30, 2000: Annual Meeting of International College of Surgeons, Taipei. "Osteogenic protein-1 against cerebral infarction induced by MCA ligation in adult rats".
90. March 4, 2001: Spinal Injury Patients Association, Tao Yuan. "Neural regeneration in spinal cord injury".
91. March 5, 2001: Symposium of the Frontier Program of the Medical Gene Research: Progress Report, Taipei. "Antiangiogenic gene therapy of malignant brain tumor with angiostatin gene".
92. March 9, 2001: Development Center for Biotechnology, Taipei. "Applications of biotechnology in neurological diseases".
93. March 10, 2001: Annual Meeting of Oral and Maxillofacial Surgery, Taipei. "Trigeminal neuralgia".
94. March 12, 2001: National Cheng Kung University Medical College, Taiwan. "Applications of neuroscience researches in neurological diseases".
95. April 14-15, 2001: Society of Neurology Absre., Taipei. "Adeno-TK antiangiogenesis gene therapy in malignant brain tumor".
96. June 1, 2001: Seminar of National Health Research Institutes, Taipei. "Clinical applications of basic neuroscience researches".
97. June 2, 2001: Symposium of Inauguration Congress of Chinese Speaking Society for Pediatric Neurosurgery- Multidisciplinary management of brain tumor in children, Taipei. "Gene therapy and other basic studies for brain tumors".
98. Sep. 28, 2001: Grand Round, NATIONAL Pin-Tung Hospital, Pin-Tung, "Recent advances in treating neurosurgical diseases".

99. Sep. 29 , 2001: Grand Round, Pig Research Institute, Maou-Li, “Biotechnologies in neurological diseases”.
100. Oct. 27, 2001: Annual Meeting of Tsin-Hua — Yang-Ming Research Program, Taipei, “Cell and gene therapies for neurological diseases”.
101. Nov. 23, 2001: Anniversary of 100 year, National Defense Medical Center, Taipei. “Surgical treatment of parkinson’s disease — pallidotomy, electrode implantation and neural transplantation”.
102. Nov. 29, 2001: Grand Round, Department of surgery, Kao-Tai Hospital, Taipei. “Cell and gene therapies for Neurological diseases”.
103. Dec. 10, 2001: Bionet Corporation “Cell therapy for Parkinson’s diseases”.
104. Dec. 23, 2001: Symposium of the clinical trials of gene therapy of Foundation of Medical Professionals Alliance in Taiwan (FMPAT), Taipei. “Combined Gene Therapy of Malignant Brain Tumor With The Recombinant Adenoviral Vector Carrying The Herpes Simplex Type I Thymidine Kinase Gene And Recombinant Adenoassociated Viral Vector Carrying The Angiostatin Gene”.
105. March 10, 2002: Taiwan Stroke Society, Taipei. “Neuroregenerative Effects of BMP-6 and BMP-7 after Stroke in Rats”.
106. March 18, 2002: Neurological Disorders-From Basic to Clinical Reseach, Taipei. “Movement disorders/PD-Clinical”.
107. Aug. 8, 2002: Round Table Discussion: “Basic & Clinical Research on Cord Blood & Bone Marrow Tissue Stem Cells/Progenitors in Taiwan”.
108. July 11, 2002: The 2<sup>nd</sup> International Symposium on Neurosurgical, Tokyo in Japan. “Fetal VM grafting along cografting with striatum in Parkinson’s patient”.
109. Sep. 14, 2002: Molecular Imaging of Dopamine Transporter in Parkinsonsim, Taipei. “Impact of Trodate-1 SPECT on The Treatment of Parkinson’s Disease”.
110. Sep.19, 2002: International Symposium on Gene Therapy, Taipei. “Neural transplantation in Parkinson’s disease”
111. Sep. 21, 2002: 2002 Annual Convention of Tzu Chi International Medical Association, Hualien. “STATE-OF-THE-ART TECHNOLOGY IN NEUROSURGY”.
112. Oct. 20, 2002: Summer School 2002 of The International Society of CBF and M, and Joint International Symposium on “Molecular Mechanism and Epochal Therapeutics for Ischemic Stroke and Dementia”, Setouchi Kojima Hotel of Okayama, Japan. “Cell and molecular therapies for stroke”.
113. Nov. 30, 2002: 4<sup>th</sup> Asian Conference of Neurological Surgeons, Hong-Kong. “Lesioning vs DBS cells transplantation”.
114. Dec. 1, 2002: Round Table Discussion for Newly Board-Certified Neurosurgeons, Taiwan. “How to write a peer-reviewed article”.

115. Dec. 9, 2002: Division of molecular and Genomic Medicine, Taipei. "Applicationm of genomic in neurological disease".
116. Dec. 13, 2002: The 2<sup>nd</sup> International Symposium on DNA Vaccine and Gene Therapy Technology, Taipei. "Cell and Gene therapy in Neurodegenerative Diseases".
117. Jan. 4, 2003: Combined Symposium of Neurosurgery, Taitun. "Cell and Gene therapy in neurodrenerative disease".
118. Jan. 13, 2003: IBMS SEMINAR, Taipei. "Cell and Gene therapy in Stroke".
119. Feb. 24, 2003: The 3<sup>rd</sup> International Mt. BANDADI Symposium for Neuroscience and The 4<sup>th</sup> Pan-Pacific Neurosurgery Congress, Hawaii. "Combined Suicide Gene and Antiangiogenesis Gene Therapy in Malignant Brain Tumor".
120. Sep. 11, 2003: 2003 Annual Convention of Tzu Chi International Medical Association, Hualien. "Recent advances in health care of Tu Chi Hospital".
121. Sep.13-15, 2003: Mainland China. "1. The Responsibility of Medical Center in Post genome era. 2. The global responsibility of Medicine Mission of Tzu Chi Foundation".
122. Sep. 20, 2003: Taipei. "Recent Advaces in Neurosurgery".
123. Sep. 27, 2003: The 2<sup>nd</sup> Symposium for Recent Progress of Cancer in Eatern Taiwan, Hualien. "Gene therapy for brain tumor".
124. Oct. 3, 2003: Kaohsiung. "The Responsibility of Medical Center in Post genome era."
125. Oct. 24, 2003: Taipei. "Application of biotechnology in neurodegenerative diseases".
126. Oct. 31, 2003: International Conference on Regenerative Medicine of the Nervous System, Taipei. "Cell and Gene therapy in Neurological diseases".
127. Dec. 1, 2003: 2003 Symposium of Gene Therapy – Retrospective, Prospective & Regulatory Science, Taipei. "cGMP Lab in Taiwan".
128. Dec. 1, 2003: 2003 Symposium of Neuroregeneration, annual meeting of Taiwan Neurosurgical Society, Taipei. "Cell Regeneration and therapy in Stroke".
129. March 29, 2004: Taipei. "Brain Transplantation & Gene Therapy".
130. April 17, 2004: Academic Symposium of 13<sup>th</sup> Anniversary of TC Wun Foundation, Taipei. "PD: From Clinic Trails to Genetic Hunting".
131. May 1, 2004: The 9<sup>th</sup> Taiwan joint Cancer Conference , Taipei. "Anticancer Drug Development: an example of Isochaihulactone: A Novel non-taxane Microtubule-stabilizing Lignan from Bupleurum as a Potential Anticancer Agent ".
132. July 9, 2004: Molecular Imaging Seminar in Taipei. "Cell Therapy in Neurological Diseases".
133. Nov. 3, 2004: Taipei. "Functional Neurosurgery".

134. Nov. 28, 2004: The 2004 Annual Meeting of Taiwan Neurosurgical Society and Scientific Symposium & The 5<sup>th</sup> Congress of Asian Society of Stereotactic Functional and Computer Assisted Neurosurgery in Kaohsiung. "Relationship of stimulation site location within the subthalamic nucleus region to clinical effects on parkinsonian symptoms".
135. Dec. 11, 2004: The Brain 2004 Symposium in The Chinese University of Hong Kong. "Human Stem Cells Therapy on Stroke Animala and Patients: Cell Survival and Monitoring Using MRI & Functional Outcome Correlation".
136. Dec. 23, 2004: The TBIO's annual convention in Taipei. "Stem cell and regenerative medicine".
137. June. 19-24 2005: World Federation of Neurosurgical Societies 13<sup>th</sup> World Congress of Neurological Surgery 19-24 June 2005-Marrakesh-Morocco. The MTS 7 : Neurotransplantation : Today and future limits.
138. July. 23, 2005: 惡性神經瘤(Malignant Glioma)治療新趨勢研討會.in Taichung,"Future trend for glioma management "
139. Sep. 1-3, 2005: 1st Congress of International Society of Reconstructive Neurosurgery and 4th Scientific Meeting of the WFNS Neurorehabilitation Committee ,in Korea, " Stem cell therapy in stroke: strategies in basic study and clinical application"
140. Dec. 31, 2005: International College of Surgeons, Taiwan section, at Chung-Ho Memorial Hospital Kaohsiung University Hospital in Kauhsiong, "Overexpression of PrPc by adenovirus-mediated gene targeting reduces ischemic injury in a stroke rat model"
141. February 12-16 2006:4<sup>th</sup> WORLD Congress for NeuroRehabilitation,Hong Kong , "Stem cells therapy for stroke".
142. April3-4,2006:Taiwan-Swiss Biomedical Symposium (Taipei), "New Drug Development, Cell and Gene Therapy for Neurological Diseases-Tzu-Chi Hospital Experiences".
143. Jul.6-9 2006 Word Society for Stereotactic and Functional Neurosurgery meeting, Shanghai China,"Stem cells therapy for Neurological diseases".
144. September17-18 2006,ELSI Symposium Reexamining the ELSI Implication of Biobanking A Cross Culture Perception,"The Limtations of Industrial Application".
145. Oct.7-12 2006, Congress of Neurological Surgeons 56<sup>th</sup> Annual Meeting,Chicago,Illinois; "Therapeutic strategies of stem cells for stroke".
146. January 13 2007, Summit of Medical Devices and Biotechnology Development in Taiwan. Hualien, Taiwan. "Biotechnology of stem cell sorting and stem cell therapy in old stroke "
147. January 13 2007: in Taipei,"Stem cell transplantation".

148. May 22-24, 2007: the 6<sup>th</sup> Congress of Asian Society for Stereotactic, Functional and Computer Assisted Neurosurgery ,at Mt. Fuji Resort in Japan, "Stem cells therapy for acute and chronic stroke patients".
149. Sep.13-16, 2007: the 2nd Congress of International Society of Reconstructive Neurosurgery & 5th Scientific Meeting of the WFNS Neurorehabilitation Committee, Taipei Convention Center in Taipei, ""
150. Sep. 15-20, 2007: 2007 Congress of Neurological Surgeon Annual Meeting, at San Diego Convention Center in California, "CD34<sup>+</sup> stem cell therapy in chronic stroke patients"
151. Oct.12-14, 2007: 特別針法第三屆學術研討會, 中國遼寧, "Nanobead sorted CD34<sup>+</sup> stem cells therapy in stroke patients"
152. Nov. 13, 2007: Monthly Meeting of Middle Area of Taiwan Surgical Association, at Lee's General Hospital in Taichung, "神經疾病的晶片及幹細胞療法"
153. Nov. 16, 2007: International College of Surgeons, Taiwan section, at Chung-Ho Memorial Hospital Kaohsiung University Hospital in Kaohsiung, "Granulocyte colony-stimulated factor activated CD34<sup>+</sup> stem cells therapy in chronic stroke patients"
154. Nov. 17, 2007: The 1st International Stroke Symposium in CMUH, at China Medical University Hospital in Taichung, "Granulocyte colony-stimulated factor activated CD34<sup>+</sup> stem cells therapy in chronic stroke patients"
155. Nov.25, 2007: Taiwan Neurosurgical Society Annual Meeting, at Taipei Convention Center in Taipei, "Cell therapy in neurological diseases"
156. Dec.9-11, 2007: Neurological Assessment Workshop, at Fuzhou in China, "Granulocyte colony-stimulated factor activated CD34<sup>+</sup> stem cells therapy in chronic stroke patients"
157. Jan. 6, 2009. 中華民國中西結合神經醫學會第二屆第二次會員大會暨學術研討會, National Taiwan Normal University, Taipei Taiwan. "Granulocyte colony stimulated factor activated CD34 stem cells therapy in chronic stroke patients"
158. Mar.21-23, 2008: The 3<sup>rd</sup> Academic Conference of The International Chinese Neurosurgical Science, at Dongguan in China, "Granulocyte colony stimulated factor activated CD34<sup>+</sup> stem cells therapy in chronic stroke patients"
159. Mar. 29-30, 2008: 2008 Annual Meeting of Taiwan Surgical Association, at Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan, "Stem Cells therapy in chronic stroke patients"
160. Apr. 18, 2008: 2008 Monte Jade BioInvestor Forum, Taipei, Taiwan, "CNS Application"
161. Apr.26-27, 2008: 2008台灣神經醫學聯合學術研討會, Tainan, Taiwan, "Magnetic nanoparticles sorted CD34<sup>+</sup> stem cells therapy in stroke patients"

162. May 1-3, 2008: 15<sup>th</sup> Annual Meeting of the American Society for Neural Therapy and Repair, at Clearwater Beach, Florida, U.S.A., “CD34 stem cells therapy in chronic stroke patients-phase I trial”
163. May 11, 2008: The 1st International Stroke Symposium – The Advances in Treatment , at Nanjin BenQ Hospital, Nanjin, China. “Stem Cell Therapy in Neurological Diseases”
164. May 18, 2008: 2008 International Hua-Xia Medicine Summit Forum on New Technology and New Administration, at China Medical University, Taichung , Taiwan. “腦中風之幹細胞治療”
165. May 24-25, 2008: Taiwan Neurospinal Society Neurospinal 4th Annual Meeting, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan. (Moderator)
166. May 31-Jun 2, 2008: 1st Pan Pacific Symposium on Stem Cells Research 2008, at China Medical University Hospital, Taichung, Taiwan. “Review on Current Clinical Application of Stem Cell”
167. Jun 21, 2008:九十六年度中區八大院校暨台中榮民總醫院合作研究計畫聯合成果發表會, at Taichung Veterans General Hospital, Taichung, Taiwan. “How to carry out translational neuroscience successfully?”
168. July 21, 2008: 醫師與工程師對話交流演講系列：神經大躍進, at Biomimetic System Research Center, National Chiao Tung University, Hsinchu, Taiwan. “How to carry out translational neuroscience successfully?”
169. July 26-27, 2008: 1st Conference on Asia-Pacific Neurotrauma Society (In Conjunction with 3rd Annual Meeting of Taiwan Neurotrauma Society), Taipei Medical University, Taipei, Taiwan. “Neuroprotection in Experimental Traumatic Brain Injury”
170. Sep.10-13, 2008: 10th International Conference on Neural Transplantation & Repair, Freiburg, Germany. “Stem Cells Therapy in Stroke Patients Clinical Trials”
171. Oct. 1-3, 2008. 3rd Annual Taipei International Symposium on Human Cell and Tissue-based Products. National Taiwan University Hospital International Convention Center, Taipei, Taiwan. “cGMP Lab: One of the Key for Translational Cell Therapy in Stroke Patients (Phase I Completion)”
172. Oct 3, 2008. International College of Surgeons (Taiwan section) academic meeting. Cathay General Hospital International Conference Hall, Kaohsiung, Taiwan. “Molecular mechanisms of the corticospinal tract regeneration after stem cell implantation”
173. Oct. 24, 2008. International Scientific Instrument Technology Workshop. Instrument Technology Research Center, National Applied Research Laboratories, Hsinchu, Taiwan. “Applied instrumental technology in neurosurgery stem cell implantation in stroke patients”
174. Oct. 30-Nov. 1, 2008. The 21<sup>st</sup> Chinese SCI Academic Annual Meeting & The 3<sup>rd</sup> International SCI Treatments & Trials Symposium. Schobrunn Hotel, Beijing, China. “Molecular mechanisms of the corticospinal tract regenerated in stroke patients”

175. Nov. 14, 2008. The Conference of the Application of Stem Cell Technology in the Healthy-Medicine Industry, National Ilan University, Ilan, Taiwan. “Industry Development of Stem Cell Technology for Stroke Therapy”
176. Nov. 15, 2008. Clinical Application of Stem Cell, Taiwan HLA Society, National Taiwan University 104 Conference room, Taipei, Taiwan, “CD34 Stem Cell Therapy in Chronic Stroke Patients”
177. Nov. 17, 2008. Special Lecture, College of Electrical Engineering and Computer Science, National Taiwan University, Taipei, Taiwan. “Applied instrumental technology in neurosurgery stem cell implantation in stroke patients”
178. Jan. 8-10, 2009. Asian Australasian Society of Stereotactic and Functional Neurosurgery (AASSFN) / The Chinese Society of Stereotactic and Functional Neurosurgery (CSSFN) / Brain 2009, Prince of Wales Hospital, Shatin, Hong Kong. “How stem cells make the corticospinal tract regenerated in stroke patients”
179. Jan. 11, 2009. 中華民國中西結合神經醫學會第二屆第三次會員大會暨學術研討會, National Taiwan Normal University, Taipei Taiwan. “How stem cells make corticospinal tract regenerated in stroke patients”
180. Feb. 26-28, 2009. The First Cross-Strait Forum on Neurosurgery, Nanyang King’s Gate Hotel, Guangzhou, Guang Dong, China. “Regeneration of the corticospinal tract in chronic stroke patients by stem cell therapy”
181. Mar. 15, 2009. 全球抗老話與生技保健論壇, Taipei Medical University, Taipei, Taiwan. “How stem cells make corticospinal tract regenerated in stroke patients”
182. Mar.19-20, 2009. 1st International Conference on Neuroprosthetic Devices, National Chiao Tung University, HsinChu, Taiwan. “Deep brain stimulation for treatment of Parkinsons disease”
183. Mar.26, 2009. 2009 IMEC-NSoC-TWEMBA Workshop on Bio-medical Electronics, National Chiao Tung University, HsinChu, Taiwan. “Stem Cell Therapy in Stroke”
184. April. 8, 2009 Special Lecture, Linshin hospital, Taichung, Taiwan. “醫病對話:醫人醫病又醫心”