

CURRICULUM VITAE  
**DICHEN ZHAO, M.D.**

**EDUCATION:**

Sept. 1983 - July 1986 M. Sc., Neurophysiology, Harbin Medical University.  
Harbin, People's Republic of China.

Mar. 1978 - July 1982 Medical School, Clinical Medicine, Harbin Medical  
University. Harbin, People's Republic of China.

**POST – GRADUATE TRAINING:**

Aug. 2006 - Present Neurologist, Assistant Professor, School of Medicine,  
Mercer University; The Georgia Neurosurgical Institute,  
Macon, GA, USA.

July 2006 - Aug. 2006 Neurophysiology Fellow, Department of Neurology,  
University of Florida, Gainesville, FL, USA.

July 2005 - Aug. 2005 Neurologist, Oconee Regional Medical Center,  
Milledgeville, GA, USA.

July 2001 - June 2004 Neurology resident, Department of Neurology, Medical  
College of Georgia, Augusta, GA, USA.

Jan. 2001 - June 2001 Neurosurgery clinical fellow, Department of Neurosurgery.  
Louisiana University of Medical School in Shreveport,  
Shreveport, LA, USA.

Aug. 2000 - Dec. 2000 Postdoctoral Fellow, Division of Nephrology, Department  
of Internal Medicine. University of Arkansas for Medical  
Sciences. Little Rock, AR, USA.

Apr. 1998 - July 2000 Postdoctoral Fellow, Department of Physiology &  
Biophysics, University of Arkansas for Medical Sciences.  
Little Rock, AR, USA.

Apr. 1997 - Apr. 1998 Postdoctoral Fellow, Department of Pharmacology,  
University of British Columbia. Vancouver, BC, Canada.

Apr. 1996 - Mar. 1997 Chinese Herbal Medicine, Vancouver, BC, Canada.

- Sept. 1994 - Mar. 1996 Postdoctoral Fellow, Department of Ophthalmology, University of British Columbia. Vancouver, BC, Canada.
- May 1993 - Sept. 1994 Research Associate: Research Fellow.
- Feb. 1990 - Apr. 1993 Department of Clinical Neurological Sciences, University of Western Ontario, London, ON, Canada.
- Sept. 1987 - Jan. 1990 Neurosurgeon, Department of Neurosurgery, University Hospital Two, Harbin Medical University. Harbin, People's Republic of China.
- Aug. 1986 - Sept. 1987 Neurosurgery resident, Department of Neurosurgery, University Hospital Two, Harbin Medical University. Harbin, People's Republic of China.
- Aug. 1982 - Aug. 1983 Instructor, Department of Physiology, National Medical School of Inner Mongolia. Tong-Liao, The Inner Mongolia, People's Republic of China.

## **PUBLICATIONS:**

### **TEXTBOOK CHAPTERS**

1. Leung, L.S., Wu, C., Wu, K., Shen, B., Sutherland, R. and Zhao, D. **Long-Lasting Behavioral and Electrophysiological Effects Induced by Partial Hippocampal CA1 Kindling.** *Kindling 5*, Corcoran ME and Moshe S (Eds), Plenum Press York, 1998; 395-408.

### **REFERRED JOURNAL PUBLICATIONS**

1. Zhou, Z.J., and Zhao, D. **Coordinated Transitions in Neurotransmitter Systems for the Initiation and Propagation of Spontaneous Retinal Waves.** *Journal of Neuroscience*, 2000; 20(17): 6570-6577.
2. Leung, L. S. and Zhao, D. **Glial Cell Potentials Evoked by Single Afferent Pulses in Hippocampal CA1 Area in Vitro.** *Brain Research*, 1995; 679: 262-265.
3. Leung, L. S., Zhao, D. and Shen, B. **Long-Lasting Effects of Partial Hippocampal Kindling on Hippocampal Physiology and Function.** *Hippocampus*, 1994; 6(4): 696-704.

4. Knipper, M., Leung, L. S., Zhao, D. and Rylett, R. J. **Short-Term Modulation of Glutamatergic Synapses in Adult Rat Hippocampus by NGF.** Neuro Report, 1994; 5: 2433-2436.
5. Zhao, D., Leung, L. S., Boon, F. and Cain, D. P. **Persistent Physiological Effects Caused by a Single Pentylene-tetrazol Induced Seizure in Neonatal Rats.** Devlp Brain Research, 1994; 80: 190-198.
6. Zhao, D. and Leung, L. S. **Partial Hippocampal Kindling Increase Paired-Pulse Facilitation and Burst Frequency in Hippocampal CA1 Neurons,** Neuroscience Letters, 1993; 154: 191-194.
7. Zhao, D. and Leung, L. S. **Hippocampal Kindling Induced Paired-Pulse Depression in the Dentate Gyrus and Paired-Pulse Facilitation in CA3.** Brain Research, 1992; 582: 324-331.
8. Zhao, D. and Leung, L. S. **Effects of Hippocampal Kinding on Paired-Pulse Response in CA1.** Brain Research, 1991; 561: 324-331.
9. Zhao, D., Xu, T. and Sun, M. **The Effects of Acetylcholine on the Electrical Activities of Pain Reaction Neurons in Nucleus Parafascicularis and Midbrain Reticular Formation in Rats.** Acta Physiological Sinica, 1988; 40(4): 326-334.
10. Zhao, D., Sun, M., Xu, T. and Zhang, J. **Electrophysiological Study of Antinociceptive Effects of Exogenous Acetylcholine Injected Intracerebro-ventricularly.** Academic Press of Harbin medical University, 1988; 22(2): 96-100.

## **INTERNATIONAL CONGRESS PROCEEDINGS AND ABSTRACTS**

1. Zhao D, Cornett L, Zhou ZJ. **Consistency and Modulation of Spontaneous Waves of Excitation in the Developing Rabbit Retina.** Soc Neurosci Abstr, 1999; 25: 1806.
2. Zhou ZJ, Zhao D. **Age-Dependent and Receptor Type-Specific Role of Acetylcholine in Spontaneous Waves of Retinal Excitation.** Soc Neurosci Abstr, 1999; 25: 1042.
3. Leung, L.S. and Zhao, D. **Depolarizing Afterpotential (DAP) in CA1 Pyramidal Cell: An Axon Hillock Persistent Current?** Neurosci Abstr, 1997; 23: 2159.
4. Hethrington, P.A., Swindale, N.V. and Zhao, D. **Inter-Ocular Disparity and Variation in Receptive Field Position and Orientation Preference Studied by Tetrode Recording in Cat Area 17.** Neurosci Abstr, 1995; 21: 1649.

5. Zhao, D., Leung, L.S., Cain, D.P. and Boo, F. **Physiological Effects of a Single Pentylenetetrazol (PTZ) Induced Seizure in Neonatal Rats.** *Epilepsia*, 1993; 34 (suppl. 6): 19.
6. Zhao, D., Fu, X.W. and Leung, L.S. **Effects of Partial Hippocampal Kindling in Vivo on Intracellularly Recorded Paired-Pulse Responses and Membrane Properties of Hippocampal CA1 Neuron in Vitro.** *Neurosci Abstr*, 1992; 18: 162.

### **PROFESSIONAL AFFILIATIONS:**

- 2006 - Present The Epilepsy Foundation of Georgia
- 2006 - Present American Association of Stereotactic Functional Neurosurgeons
- 2006 - Present The American Clinical Neurophysiology Society
- 2006 - Present American Epilepsy Society
- 2006 - Present American Academy of Neurology