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#### **ACADEMIC APPOINTMENTS**

Assistant Professor of Clinical Neurology  
Clinical Co-Director, MDA/ALS Clinics  
Director, Electrodiagnostic Medicine (EMG) Laboratories

#### **PROFESSIONAL QUALIFICATIONS**

Diplomate of the American Board of Psychiatry and Neurology, a Member Board of the American Board of Medical Specialties  
Diplomate of Clinical Neurophysiology, a Subspecialty Board of the American Board of Psychiatry and Neurology  
Diplomate of the American Board of Electrodiagnostic Medicine

#### **EDUCATION**

M.D., Hunan Medical University, Changsha, Hunan, China  
Ph.D. in Neuroimmunology, Karolinska Institute, Stockholm, Sweden

#### **CLINICAL TRAINING**

Clinical Fellowship in Neuromuscular Disease and Clinical Neurophysiology, Washington University School of Medicine, St. Louis, Missouri  
Residency in Neurology, SIU School of Medicine (Chief Resident 2003-04)  
Internship in Internal Medicine, SIU School of Medicine

#### **RESEARCH TRAINING**

Postdoctoral Associate, Department of Biochemistry, University of Minnesota, Minneapolis-St. Paul, Minnesota  
Research Assistant, Department of Neurology, Huddinge Hospital, Karolinska Institute, Stockholm, Sweden

#### **PROFESSIONAL MEMBERSHIPS**

American Academy of Neurology  
American Association of Neuromuscular and Electrodiagnostic Medicine  
American College of Physicians-American Society of Internal Medicine  
American Association for the Advancement of Science  
New York Academy of Sciences

## SCHOLARSHIP AND FELLOWSHIP AWARDS

Annual Meeting Resident Scholarship, American Academy of Neurology (2003)

Postdoctoral Research Fellowship, Muscular Dystrophy Association (1994-96)

Scholarship, Swedish Medical Society, Stockholm, Sweden (1992-93)

Scholarship, Karolinska Institute, Stockholm, Sweden (1991-92)

## Extra Curriculum

Compliance Committee, SIU Physician & Surgeon

House Staff Board of Directors, SIU School of Medicine

## PUBLICATIONS

1. Link H, Xu Z, Melms A, Kalbacher H, Sun JB, Wang ZY, Fredrikson S, Olsson T: The T cell repertoire in myasthenia gravis involved multiple cholinergic receptor epitopes. *Scand J Immunol* 36: 405-414, 1992.
2. Fredrikson S, Michelsberg J, Hillert J, Wang ZY, Sun J, Olerup O, Olsson T, Link H: Conjugal multiple sclerosis: Immunogenetic characterization and analysis of T and B cell reactivity to myelin proteins. *Neurology* 42: 577-582, 1992.
3. Link H, Sun JB, Wang ZY, Xu Z, Löve A, Fredrikson S, Olsson T: Virus-reactive and autoreactive T cells are accumulated in cerebrospinal fluid in multiple sclerosis. *J Neuroimmunol* 38: 63-74, 1992.
4. Sun JB, Harcourt G, Wang ZY, Hawke S, Olsson T, Fredrikson S, Link H: T and B cell responses to human recombinant acetylcholine receptor  $\alpha$ -subunit in myasthenia gravis and controls. *Eur J Immunol* 22:1553-1559, 1992.
5. Wang ZY, Hansen K, Siden Å, Cruz M: Intrathecal synthesis of anti-Borrelia burgdorferi antibodies in neuroborreliosis: a study with special emphasis on oligoclonal IgM antibody bands. *Scand J Immunol.* 37: 369-376, 1993.
6. Wang ZY, Link H, Huang WX: T cell immunity to acetylcholine receptor and its subunits in Lewis rats over the course of experimental autoimmune myasthenia gravis. *Scand J Immunol* 37: 615-622, 1993.
7. Wang ZY, Link H, Qiao J, Olsson T, Huang WX: B cell autoimmunity to acetylcholine receptor and its subunits in Lewis rats over the course of experimental autoimmune myasthenia gravis. *J Neuroimmunol* 45: 103-112, 1993.
8. Wang ZY, Qiao J, Link H: Suppression of experimental autoimmune myasthenia gravis by oral administration of acetylcholine receptor. *J Neuroimmunol* 44: 209-214, 1993.
9. Wang ZY, Qiao J, Melms A, Link H: T cell reactivity to acetylcholine receptor in rats orally tolerized against experimental autoimmune myasthenia gravis. *Cell Immunol* 152: 394-404, 1993.
10. Qiao J, Wang ZY, Link H:  $\beta$ -bungarotoxin binding protein is immunogenic but lacks myasthenogenicity in rats. *J Neurol Sci* 121: 190-193, 1994.
11. Wang ZY, Link H, Ljungdahl Å, Höjeberg B, Link J, He B, Qiao J, Melms A, Olsson T: Induction of interferon- $\gamma$ , interleukin-4 and transforming growth factor- $\beta$  in rats orally tolerized against experimental autoimmune myasthenia gravis. *Cell Immunol* 157: 353-368, 1994.
12. Link J, Söderström M, Ljungdahl Å, Höjeberg B, Olsson T, Xu Z, Fredrikson S, Wang ZY, Link H: Organ-specific autoantigens induce interferon- $\gamma$  and interleukin-4 mRNA expression in mononuclear cells in multiple sclerosis and myasthenia gravis. *Neurology* 44: 728-734, 1994.
13. Söderström M, Link H, Sun JB, Fredrikson S, Wang ZY, Huang WX: The autoimmune T cell repertoire in optic neuritis and multiple sclerosis: T cells recognizing multiple myelin proteins are accumulated in cerebrospinal fluid. *J Neurol Neurosurg Psych* 57: 544-551, 1994.
14. Wang ZY, Qiao J, Link H: Induction of oral tolerance to experimental autoimmune myasthenia gravis by oral administration of acetylcholine receptor. *Shanghai J Immunol* 14: 129-133, 1994.
15. Link H, Wang ZY, Olsson T: Cytokine differentiation in relation to human myasthenia gravis and experimental autoimmune myasthenia gravis. *Neurology* 44 (Suppl 4): A189, 1994.

16. Wang ZY, Huang J, Olsson T, He B, Link H: B cell responses to acetylcholine receptor in rats orally tolerized against experimental autoimmune myasthenia gravis. *J Neurol Sci* 128: 167-174, 1995.
17. Wang ZY, He B, Qiao J, Link H: Suppression of experimental autoimmune myasthenia gravis and experimental allergic encephalomyelitis by oral administration of acetylcholine receptor and myelin basic protein: Double tolerance. *J Neuroimmunol* 63: 79-86, 1995.
18. Wang ZY, He B, Qiao J, Link H: Antigen-induced cytokine patterns in double mucosal tolerance to EAE and EAMG. *J Neuroimmunol (Suppl 1)*: 42, 1995.
19. Ma CG, Zhang GX, Xiao BG, Wang ZY, Link J, Olsson T, Link H: Mucosal tolerance to experimental autoimmune myasthenia gravis is associated with down-regulation of AChR-specific IFN-g-expressing Th1-like cells and up-regulation of TGF-b mRNA in mononuclear cells. *Ann NY Acad Sci* 778: 273-287, 1996.
20. Wang ZY, Okita DK, Howard Jr JF, Conti-Fine BM: Th1 epitope repertoire on the a subunit of human acetylcholine receptor in myasthenia gravis. *Neurology* 48:1643-1653, 1997.
21. Wang ZY, Okita DK, Howard Jr JF, Conti-Fine BM: T cell recognition of the human muscle acetylcholine receptor subunits in generalized and ocular myasthenia gravis. *Neurology* 50: 1045-1054, 1998.
22. Wang ZY, Okita DK, Howard Jr JF, Conti-Fine BM: CD4+ T cell repertoire on the e subunit of muscle acetylcholine receptor in myasthenia gravis. *J Neuroimmunol*: 91: 33-42, 1998.
23. Wang ZY, Okita DK, Howard Jr JF, Conti-Fine BM: CD4+ epitope spreading and differential T cell recognition of muscle acetylcholine receptor subunits in myasthenia. *Ann NY Acad Sci* 841: 283-308, 1998.
24. Wang ZY, Okita DK, Howard Jr JF, Conti-Fine BM: Th1 cells of myasthenia gravis patients recognize multiple on the muscle acetylcholine receptor a subunit. *Ann NY Acad Sci* 841: 329-333, 1998.
25. Conti-Fine BM, Navaneetham D, Karachunski PI, Raju R, Diethelm-Okita B, Okita DK, Howard Jr JF, Wang ZY: T cell recognition of the acetylcholine receptor in myasthenia gravis. *Ann NY Acad Sci* 841: 334-337, 1998.
26. Wang ZY, Karachunski PI, Howard Jr JF, Conti-Fine BM: Myasthenia in SCID mice grafted with myasthenic patient lymphocytes: Role of CD4+ and CD8+ cells. *Neurology* 52: 484-497, 1999.
27. Wang ZY, Karachunski PI, Howard Jr JF, Conti-Fine BM: Passive myasthenia gravis induced in SCID mice by transfer of blood lymphocytes from myasthenic patients. In: P. Christadoss ed. *Myasthenia gravis: Disease Mechanisms and Immunointervention*. Narosa Publishing House, New Delhi, India, 1999.
28. Conti-Fine BM, Wang ZY, Raju R, Howard Jr JF, Navaneetham D: Anti-acetylcholine receptor CD4+ T cells in myasthenia gravis: epitope repertoire and TCR gene usage. In: P. Christadoss ed. *Myasthenia gravis: Disease Mechanisms and Immunointervention*. Narosa Publishing House, New Delhi, India, 1999.
29. Wang ZY, Diethelm-Okita B, Okita DK, Karachunski PI, Howard Jr JF, Conti-Fine BM: T cell recognition of muscle acetylcholine receptor in ocular myasthenia gravis. *J Neuroimmunol* 108 (1-2): 29-39, 2000.
30. Ala TA, Wang ZY, Kuhn M: There may be a dissociation between clinical brain death and cerebral perfusion: A case report. *Neurology* 58 (Suppl 3): A136, 2002.
31. Wang ZY, Al-Lozi M, Pestronk A: Uniform nerve conduction slowing in acquired chronic demyelinating neuropathy. Manuscript.