

Charles (Yuchun) Han, M.D. & Ph.D.

SPECIALTY Neurology

EDUCATION

 M.D. Yanbian Medical University, China

 Ph.D. University of Medicine & Dentistry of New Jersey (UMDNJ)
 Graduate School of Biomedical Sciences, Newark, NJ
 Neurosciences

CREDENTIALS Board Eligible by American Board of Neurology & Psychiatry
 Board Certified by American Board of Disability Analyst

EXPERIENCE & TRAINING

2001 - present Chattanooga Neurology & Headache Center
 Private Practice.

1997 - 2001 UMDNJ-NJ Medical School & University Hospital, Newark, NJ
 Robert Wood Johnson University Hospital, New Brunswick, NJ
 VA Medical Center in East Orange, NJ
 Neurology Residency Program

1995 - 1997 Louisiana State University (LSU) Medical Center, Shreveport, LA
 Neurosurgery, brain cancer research (Neuro-oncology)

1991 - 1995 UMDNJ — NJ Graduate School of Biomedical Sciences, Newark, NJ
 PhD Research in Neurosciences

1985- 1991 University Hospital in Dalian, China
 Neurosurgery

PROFESSIONAL ASSOCIATIONS/MEMBERSHIPS

American Headache Society
American Academy of Neurology (AAN)
American Medical Association (AMA)
Tennessee Medical Society
American Association of Electrodiagnostic Medicine (AAEM)

TEACHING EXPERIENCE

Neuroanatomy and Neurosciences
Neurobiology (Cerebral ischemia & Neuro-oncology)

SUBSPECIALTY TRAININGS/INTERESTS

Pain Management, interventional, under fluoroscopic guidance
Botulinum toxin Injections
Clinical electrophysiology: EEG, NCS & EMG, EPs
Neuroradiology readings in MRI, CT, MRA and Cerebral Angiogram
Headache

RESEARCH EXPERIENCE

Behavioral neuroscience —Animal models of seizure and aggression
Electrophysiological studies
Cell and Molecular biology Signal transduction pathways in oncogenesis
Brain cancer research (Neuro-oncology) - Experimental chemotherapy

PATENT

Tyrphostin AG 1478 Inhibits Human Glioblastoma Cells With Epidermal Growth Factor Receptor Gene truncation 1997

PUBLICATIONS

1. **Ph.D. Thesis:** UMDNJ-New Jersey Medical School, Newark, New Jersey In 1995
Han, Y.C. and Siegel, A. Amygdaloid suppression of predatory attack behavior in the cat: Role of substance P and GABA.
2. **Brain Research** 1996; 617:59-71
Han, Yuchun, Shaikh, MB and Siegel, A. Medial amygdaloid suppression of predatory attack behavior in the cat: Role of substance P.
3. **Brain Research** 1996; 617:72-83
I-Ian, Yuchun, Shaikh, MB and Siegel, A. Medial amygdaloid suppression of predatory attack behavior in the cat: Role of GABA.
4. **Alcoholism: Clinical and Experimental Research** 1996; 20:882-889
Schubert KL, Han YC, Shaikh, MB, Pohorecky L and Siegel, A. Differential effects of alcohol upon feline rage and predatory behavior: An underlying neuromechanism.
5. **Alcohol & Alcoholism** 1997; 32:657-670
Yuchun Han, Majid B. Shaikh and Allan Siegel. Ethanol enhances medial amygdaloid induced inhibition of predatory attack behavior in the cat: Role of GABAA receptors in the lateral hypothalamus.
6. **Cancer Research** 1996, 56:3859-3861
Yuchun Han, Cornelio G. Caday, Anil Nanda, Webster K. Cavenee and H.-J. Su Hung. Tyrphostin AG 1478 preferentially inhibits human glioma cells expressing truncated rather than wild-type epidermal growth factor receptor.
7. **Oncology Research** 1997, 9:581-587
Han Y, Caday CC, Umezawa K and Nanda A. Preferential inhibition of glioblastoma cells with wild-type epidermal growth factor receptors by a novel tyrosine kinase inhibitor ethyl-2, 5- dihydroxycinnamate.

ABSTRACTS AND PRESENTATIONS

1. 24th Annual Meeting of Neuroscience 1994 656.1 P1601. Miami Beach, Florida Y.C. Han. MB. Shaikh and A. Siegel. Role of substance P in medial amygdaloid suppression of predatory attack behavior in the cat.
2. 24th Annual Meeting of Neuroscience 1994. 661.15 P1616. Miami Beach, Florida M.B. Shaikh, Y.C. Han, L. Pohorecky. D. Benjamin, and A. Siegel. Suppressive effects of alcohol upon predatory attack behavior in the cat are blocked by a substance P. NK1 receptor antagonist.
3. FESBE 1994 IX REUNIAO ANNUAL DA FEDERACAO DE SOCIEDADES DL BIOLOGIA EXPERIMENTAL, CAXAMBU. 24-27 de AGOSTO RESIJMOS. Brazil. Siegel A., Shaikh MB Schubert K., and Han Y. Substance P and excitatory amino acids regulate defensive rage behavior and predatory attack in the cat.
4. International Meeting for Neuroscience 1995. Spain. Siegel A, Schubert K. Han, YC, Simpson N. and Shaikh MB. Neurotransmitters regulating defensive rage and predatory attack behavior in the cat.
5. Alcoholism: Clinical and Experimental Research 1995 (Supplement): 19 (2): 9A. Steamboat Springs, Colorado Han YC, Schubert KL, Shaikh MB, Pohorecky L, Benjamin D, Saiff E, Siegel A. Intracerebral microinjection of bicuculline into the lateral hypothalamus blocks the suppressive effects of alcohol upon predatory attack behavior in the cat.
6. Alcoholism: Clinical and Experimental Research 1995 (Supplement): 19 (2): 4A. Steamboat Springs, Colorado Schubert KL, Han YC. Shaikh MB. Pohorecky L. Benjamin D, Saiff E, Siegel A. Alcohol-induced enhancement of defensive rage behavior in the cat: Utilization of an excitatory amino acid pathway from the medial hypothalamus to the midbrain periaqueductal gray.
7. 25th Annual Meeting of Neuroscience 1995 637.4, p1624. San Diego, California Y.C. Han. MB. Shaikh and A. Siegel. Role of GABAA in medial amygdaloid suppression of predatory attack behavior in the cat.
8. 25th Annual Meeting of Neuroscience 1995 637.8, p1624. San Diego, California K.L. Schubert. MB. Shaikh. Y.C. Han. K. Goldstein and A. Siegel. Evidence for involvement of NMDA receptors in medial hypothalamic facilitation of defensive rage behavior.
9. 26th Annual Meeting of Neuroscience 1996 369.7, p946. 1996. Washington, D.C. Yuchun Han. Anil Nanda, Webster K Cavenee, H-J Su Hung, and Cornelio G. Caday. Differential effects of Tyrphostin AG 1478 on human glioma cells expressing truncated or wild-type EGFR.
10. 26th Annual Meeting of Neuroscience 1996 369.6, p946, 1996. Washington, D.C. Anil Nanda, Yuchun Han, Cornelio U. Caday, Webster K. Cavenee and H.- J. Su Hung. Epidermal growth factor receptor gene truncation in human glioma cell lines. An upstream mechanism that non-mutationally inactivate wild-type p53.
11. 26th Annual Meeting of Neuroscience 1996 370.3, p948. Washington, D.C. MA. Meyer, C G. Caday. Y Han. B. Vickers, and A. Nanda. Potential radiotherapy of human gliomas with [^{18F}] fluorodeoxyglucose.
12. Congress of Neurological Surgeons Annual Meeting 1996 No. 259, p390-391. Montreal. Quebec. Canada. Yuchun Han, Cornelio G. Caday and Anil Nanda. Inactivation of wild-type p53 mediated by epidermal growth factor receptor gene truncation in human glioma cell lines involves protein kinase C.
13. 1997 Annual Meeting of the American Association of Neurological Surgeons April 12-17. Denver, Colorado. Yuchun Han, Cornelio C. Caday, Webster K. Cavenee, H.- J. Su Huang and Anil Nanda. Epidermal growth factor receptor gene truncation in human glioblastoma cells enhances secretion and expression of vascular endothelial growth factor receptor
14. 1997 Annual Meeting of the American Association of Neurological Surgeons April 12.17. Denver, Colorado. Anil Nanda, Cornelio U. Caday, Webster K. Cavenee. H-J. Su Huang and Yuchun Han, Epidermal growth factor receptor gene truncation in human glioma cells constitutively activates protein kinase C and its isoenzymes
15. 1997 American Association for Cancer Research Annual Meeting San Diego, CA. Cornelio U. Caday. And Nanda, Webster K, Cavenee, H-J. Su Huang and Yuchun Han. Farnesyl protein transferase inhibitors preferentially inhibit growth of gliomas with truncated EGFR.

PUBLICATIONS IN CHINESE (With Original English Abstracts)

1. **Chinese Journal of Surgery** 1988;26:742-744.
Zhao, BC, Zhao, YS, Tan, FL, Sun, PT, Jiang, K, Han, YC Experimental investigation of absorption function of the greater omentum and its intracranial transplantation for treatment of neurological diseases.
2. **Dalian Medical University Journal of Medicine** 1989;11:6-8.
Tan, FL, Han, YC, and Zhao, YS. Traumatic delayed intracranial hematomas.
3. **Chinese Journal of Neurosurgery** 1989;4:188-120.
Han, YC and Zhao, YS. Review: Clinical evaluation of the brain type isoenzyme of creatine phosphokinase in patients with severe head injury.
4. **Chinese Journal of Nervous and Mental Diseases** 1990;16:193-195.
Han, YC and Zhao, YS. Measurement of trace elements Cu, Zn, Mn, Mg, Fe, Ca, Sr, Se in cerebrospinal fluid of patients with brain tumors.
5. **Tumor** 1990;5:382-183.
Han, YC and Zhao, YS. Measurement of trace element Mn in hair, serum and cerebrospinal fluid of patients with brain tumors.
6. **Chinese Journal of Neurosurgery** 1991;48:49-50.
Han, YC, Zhao, YS and Liu, XZ. Further study of the brain type isoenzyme of creatine phosphokinase (CK-BB) in serum and cerebrospinal fluid of patients with acute head injury.
7. **Chinese Journal of Neurosurgery** 1991;48:279-280.
Han, YC and Zhao, YS. Tension pneumocephalus after removal of cerebellar hemangiomas.
8. **Chinese Journal of Ultrasound in Medicine** 1992;8:47-49.
Han, Y.C. and Zhao, Y.S. Transcranial Doppler examination (TCD) in the diagnosis of cerebral vasospasm after subarachnoid hemorrhage.