

Date: April 21, 2008

## CURRICULUM VITAE

### A. Personal Information:

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Business Address University of Southern California  
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Place of Birth Kaoshiung, Taiwan  
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### B. Education:

High School Glenbard South High School, Illinois, 1981  
College or University University of Illinois, Urbana-Champaign, B.S., 1984  
Medical School University of California, San Francisco, M.D., 1988  
Internship University of Southern California, July 1988 - June 1989,  
Surgery  
Graduate School University of Southern California, Experimental  
Pathology, Ph.D., 1996  
Residencies University of Southern California, July 1989 - June 1995,  
Neurosurgery  
Fellowship Fellowship in Complex Spine Surgery, 1996-97,  
Medical College of Wisconsin (Sanford Larson, MD, PhD)  
Honors and Awards  
Best Doctors (2007)  
America's Top Oncologists (2007)  
America's Top Surgeons (2007)  
America's Top Physicians (2007)  
Editor Neurosurgical Focus-3 issues, (2005-7)  
Associate Editor Journal of Neuro-oncology, 2007  
Associate Editor Spine Journal, 1998-present  
Editorial Board, Current Mol Pharmacology, 2007  
Founding Member, Tocagen, Inc., 2007  
Founding Member, C2Rx, 2007  
Founding Member, Axonology, 2007  
First Place (Clinical Impact), Runner Up (Innovation)  
UCSF Innovation Accelerator (Biotech Competition), San  
Francisco, 4-21-06  
Recognition for Cancer Care, California Legislature, 11-

2005

First Place, American Association of Neurological Surgeons, 1991, and poster session

Alpha Omega Alpha, University of California, 1987

Alpha Omega Alpha Student Research Fellowship, University of California, 1985

Summa Cum Laude, University of Illinois, 1984

Bronze Tablet, University of Illinois, Univ. honors, top 3%, 1984

Highest Distinction in Chemistry, University of Illinois, 1984

Phi Beta Kappa (Phi Beta Kappa Scholarship), University of Illinois, 1984

Alpha Lambda Delta (Miriam A. Sheldon Fellowship), University of Illinois, 1984

Phi Lambda Upsilon (Chemistry honorary society, president), University of Illinois, 1983-84

Phi Eta Sigma (Founders Fund Scholarship), University of Illinois, 1984

Phi Kappa Phi, University of Illinois, 1984

Phi Lambda Upsilon Cup (sophomore distinction in chemistry), University of Illinois, 1984

James Scholars, Univ. honors, treasurer, University of Illinois 1983-1984

James Scholars, Univ. honors, scholarships, University of Illinois, 1982,1983

Michael Reese Research Fellowship, University of Illinois, 1984

Licensure California, 1989 to present (Certificate G066798)

Wisconsin, 1996-1997 (Certificate 37606)

North Dakota, 1999 to present (Certificate 37606)

Board Certification The American Board of Neurological Surgery (Neurological Surgery), 2000

C. Professional Background:

Academic Appointments

Associate Professor with Tenure, Neurosurgery, Keck School of Medicine, University of Southern California, 2003 to present

Director, Surgical Neuro-oncology, Norris Cancer Hospital, USC University Hospital, University of Southern California, 1977 to present

Assistant Professor, Neurosurgery, Keck School of Medicine, University of Southern California, 1997 to 2003

Assistant Professor, Pathology, Keck School of Medicine, University of Southern California, 1997 to 2003

Specific Teaching Responsibilities

Clinical Instructor, Department of Neurosurgery, Univ. of Southern California, 1995 to 1996

Clinical Instructor, Department of Neurosurgery, Medical College of Wisconsin,  
1996 to 1997

Medical Student Lecturer: 2<sup>nd</sup> year Medical Students-Spine Injury

Graduate Student Mentor: Dept. of Pathology, Univ. of Southern California,  
1996 to present

Master student (2), PhD students (4), Medical students (1)

Medical Student Summer Research Mentor: Dept. of Neurosurgery, University of  
Southern California, 1996 to present (2<sup>nd</sup> year medical students-3)

#### Specific Administrative Responsibilities

Multidisciplinary Glioma Research Group - Dr. Thomas Chen: Dr. Colin Hill, Dr.  
Florence Hofman, Dr. Nori Kasahara, Dr. Frank Markland, Dr. Axel Schonthal,  
Dr. Caleb Finch

Weekly Glioma Research Meeting, USC Keck School of Medicine, 1999 to present  
Bi-Weekly Spine Research Conference. USC Keck School of Medicine 2002 to  
Present

Bi-weekly IRB Meetings (Internal Review Board), USC Keck School of Medicine,  
1998 to present

Bi-weekly Neuro Tumor Board film review conference, Norris Comprehensive  
Cancer Center Hospital (USC Keck School of Medicine), 2004 to present

Bi-weekly Clinical Neuro-oncology Research Conference, 2006 to present

Monthly Residents Journal Club Meetings, LAC/USC Medical Center, 2001 to  
present

Monthly Neuro-oncology Meetings (Norris), USC Keck School of Medicine, 1997  
to present

Quarterly Neurosurgery Resident Performance Review Committee 1997 present

Yearly "2<sup>nd</sup> Year" Medical Students (Lecture-Spine Surgery) USC, Keck School of  
Medicine 1997 to 1999

Chair, Neurosurgery Research Committee, USC Neurosurgery

Yearly Pathology Graduate Conference, USC, Keck School of Medicine 1998 to  
2000

#### Graduate Students Directly Mentored

PhD students:

1. Peter Pyrko
2. Vinay Gupta
3. Encouse Golden
4. Jenny Virrey
5. Christiana Charalambous
6. Adel Khardosh
7. John Popovich
8. Sina S

#### Neurosurgery Residents Mentored

1. Dan Ho
2. Brad Elder
3. Azzie Farin
4. Laurence Davidson

5. Gabriel Zada
6. Alex Khalessi

#### Neurosurgery Fellows Mentored

1. Apostolos Stathopoulos

#### Medical Students Mentored

1. Don Phillips (2005-

#### Masters Students Mentored

1. Nathaniel Soriano

#### Editorial Boards

- Spine Journal, Associate Editor, 2000 to present
- Journal of Neuro-oncology, Associate Editor, 2007 to present
- Current Molecular Pharmacology, Editorial Board, 2007 to present

#### Committees

- North American Spine Society, Research Planning Committee, 1999 to 2001
- LAC+USC Medical Center, Institutional Review Board, 1998 to present  
(Full-board and subcommittee)
- Neurosurgery representative to California Medical Association 2000-2001
- Chairman Search Committee, 2004
- OB/GYN Task Force, 2004
- Norris Cancer Center Committee, 2004
- Clinical Practice Committee, 2004 to Present
- Research Committee, Chair, 2004 to Present
- Whittier Foundation, Leadership Committee-2004 to present
- USC Promotions Committee, 2004 to present
- CNS Fellowship Committee-2006 to present
- USC Bioscience Nanoscience Initiative Committee-2006
- USC Whittier Translational Research Committee-2006
- OR Reform Committee, 2006
- CNS Research Committee, 2007 to present

#### D. Society Memberships

##### Local

- California Association of Neurological Surgeons: 1999- present
- USC/Norris Comprehensive Cancer Center/Developmental Therapeutics: 1996 to present
- Western Neurosurgical Society: 2004 to present
- Los Angeles Medical Association: 2001 to present

##### National

- American Association of Neurological Surgeons (AANS) 2000 to present

Congress of Neurological Surgeons, Member (CNS) 2000 to present  
American Medical Association (AMA) 1996 to present  
American Association of Cancer Research (AACR) 1996 to present  
North American Spine Society (NASS) 1996 to present  
American Society of Gene Therapy (ASGT) 1997 to present  
American College of Surgeons (ACS) 2002 to present (Fellow, ACS:  
October 2002)  
American Society of Clinical Oncology (ASCO) 1998 to present  
Southwest Oncology Group (SWOG) 1997 to present  
Society of Neuro-oncology (SNO) 1997 to present

E. Meetings Taught/Moderated

1. Moderator-Scientific Session-Society of Neuro-oncology 2000
2. Moderator-International Symposium Germinoma-2005
3. Instructor-AO/ASIF-Course for Residents in Spine Instrumentation-Las Vegas, 2005
4. Instructor-AO/ASIF-Complex Spine Management and Instrumentation-Carmel, CA 2005
5. Moderator-Tumor Section, AANS, San Francisco, 4-2006
6. Instructor-AO/ASIF-Complex Spine Instrumentation for OR Personnel 8-2006

F. Books/Journals Edited

1. Options for Treatment of Glioblastoma (ed). Neurosurgical Focus 20(4), 4-2006.
2. Primary CNS Lymphomas, Neurosurgical Focus Nov 11-2006
3. Management of Unresectable Meningioma, Neurosurgical Focus 10-2007

G. Consultantship:

Revolutionary Health (Neurosurgery)  
Synthes, Inc.-Instructor for AO Synthes  
Pharmacokinesis, Inc.  
Vital Options (radio talk show on cancer-guest speaker)  
Tocagen, Inc (gene therapy for gliomas)

H. Journal Reviewer (ad-hoc)

Anticancer Drugs  
Bioelectronics  
Brain Research  
Cancer Epidemiology  
Cancer Research  
Clinical Cancer Research  
European Journal of Cancer  
European Journal of Surgery  
Human Gene Therapy  
Journal of Neuro-oncology  
Journal of Neurosurgery  
Neurosurgery  
Spine Journal

Surgical Neurology  
Neurosurgical Focus  
NeuroImage  
Oncology

Grant Reviewer (ad-hoc)  
VA Merit Awards  
Wright Foundation  
CNS Fellowships  
Baxter Foundation  
Zumberge Foundation  
Society of Neuro-oncology

I. Research Activities:

Major Areas of Research Interest

**Translational Research**

Glioma research group: Multi-disciplinary approach for translation research to glioma therapy.

- a) Antiangiogenesis-study glioblastoma derived endothelial cells compared to normal brain endothelial cells (collaboration with Dr. Florence Hofman)
- b) Novel gene delivery techniques: Study of a replication competent retrovirus for the delivery of novel suicide gene therapy for gliomas (collaboration with Dr. Nori Kasahara)
- c) Role of Endoplasmic Reticulum Stress in Glioma Chemosensitization (with Axel Schonthal)
- d) Isolation and study of endothelial cells derived from metastatic intracranial breast carcinoma (with Florence Hofman)
- e) Anti-invasion techniques: Use of contortrostatin, a novel disintegrin, for the inhibition of invasion in gliomas (collaboration with Dr. Frank Markland)
- f) Radiosensitization and cell cycle: Use of rolipram as a radiosensitizer in malignant gliomas (collaboration with Drs. Colin Hill, Axel Schonthal)
- g) Use of PKC modulation (tamoxifen, hypericin) as a chemosensitizer in malignant gliomas
- h) Aging and Gliomas (with Dr. Caleb Finch)

**Clinical Research Performed**

Sponsors

1. Project Title: An Open Label Study of Temodal® in the Treatment of Patients with Relapsed or Progressive High Grade Malignant Glioma  
Shering-Plough Corporation  
1998, Principal Investigator

2. Project Title: A Phase II Open Label Study of SU101 for Patients With Anaplastic Astrocytoma in First Relapse  
Sugen, Inc.  
1998, Principal Investigator
3. Project Title: A Phase III Open Label Study of SU101 versus Procarbazine for Patients with Glioblastoma Multiforme in First Relapse  
Sugen, Inc.  
1998, Principal Investigator
4. Project Title: A Phase I/II Pharmacodynamic and Pharmacokinetic Study of Rally Administered Synthetic Hypericin (VIMRxyn®) For Treatment of Recurrent Malignant Brain Gliomas  
VIMRX, Inc.  
1997-1998, Principal Investigator
5. Project Title: A Phase I/II Study of Recombinant Chimeric Protein Composed of Circularly Permuted IL-4 and a Mutated For of the Pseudomonas Exotoxin Termed IL-4 (38-37)-PE38KDEL (IL-4 toxin) for the Treatment of Recurrent Malignant Astrocytoma  
Neurocrine Bioscience  
1998, Principal Investigator
6. Project Title: Efficacy of Surgery, Radiation and Gene Therapy vs. Surgery and Validation in Patients with Untreated Glioblastoma  
Gene Therapy Inc  
1997-1998, Sub-Investigator
7. Project Title: A Phase III, open-label, randomized comparative study of interstitial 131I chTNT-1/B MAb (COTARA) vs temozolomide for the treatment of recurrent glioblastoma multiforme (GBM),  
Peregrine Pharmaceuticals, Inc. 2002, Principal Investigator
8. Project Title: Phase I/II study of the safety and tolerability of DTI-015 in patients with recurrent glioblastoma multiforme.  
Direct Therapeutics, Inc.  
2000-2002, Principal Investigator
9. Project Title: “Non-Invasive, Cell Proliferation-Based Assessment Treatment Response in Human Malignant Gliomas With Positron Emission Tomography”  
The Dana Foundation 2002-2005, Principal Investigator \$100,000
10. Project Title: A Phase III multicenter study of intratumoral/interstitial therapy with TransMID. Xenova Group.5-2004 to 5-2005, Principal Investigator \$150,000
11. Phase III Randomized Evaluation of Convection Enhanced Delivery of IL13-PE38QQR Compared to Gliadel  
NeoPharm, Inc. 6-2004 to 6-2005, Principal Investigator \$150,000

## Clinical Research in Progress

1. Can the platelet plug be used safely in cancer patients? \$37,500  
DePuy Acromed, Inc. 2004 – 2005, Principal Investigator
2. Phase I/II trial of O6-Benzyl Guanine in patients resistant to temozolomide \$20000
3. Use of Cronos granules for in-situ lumbar fusions and for metastatic spine cancer \$150,000
4. Prospective, single blind, multi-center, randomized, post-market study to further characterize the DuraSeal(TM) Dural Sealant System as compared to "standard of care" in patients scheduled for cranial surgery that entails a dural incision.
5. 6B-07-3-An Open-Label, Extended-Use Study of Human Corticotropin-Releasing Factor (HCRF) Intended for Patients who Participate in the Dexamethasone-Sparing Studies NTI 0302, NTI 0303, or other Designated Studies (NTI0501)
6. 6B-07-2-A Phase III Randomized, Double-Blind, Dexamethasone-Sparing Study Comparing Human Corticotropin-Releasing Factor (hCRF) to Placebo for Control of Symptoms Associated with Peritumoral Brain Edema in Patients with Malignant Brain Tumor Who Require Chronic Administration of High-Dose Dexamethasone (NTI 0303)
7. A Prospective and Randomized Controlled Trial to Evaluate the Safety and Effectiveness of Total Facet Arthroplasty in the Treatment of Degenerative Spinal Stenosis
8. 6G-07-1-A Phase II/III Randomized Study of CDX-110 with Radiation and Temozolomide in Patients with Newly Diagnosed Glioblastoma Multiforme
9. Post-Market Surveillance of Clinical and Functional Outcomes with Post-Operative Adjunctive Use of Cervical-Stim or Spinal-Stim

## Research Grants in Past **Seven Years**

1. Rolipram: A potential antiglioma therapy. \$15,000  
Norris Cancer Hospital Institutional
2. Upregulation of cAMP/PKA pathway reduces invasion of malignant gliomas: dissection of the invasion process. \$12,500  
Zumberge Foundation  
1998- 1999, Principal Investigator
3. Targeted inhibition of vitronectin integrins by contortrostatin and tumor necrosis factor alpha as anti-invasion and anti-angiogenesis therapy for malignant gliomas. \$50,000  
Wright Foundation  
1999 - 2000, Principal Investigator
4. A Phase III open label study of SU101 vs procarbazine \$58,800

- for patients with glioblastoma multiforme.  
 Sugen/Pharmacia  
 1999 - 2001, Principal Investigator
5. A Phase II study of SU101 for patients with anaplastic astrocytoma. \$22,700  
 Sugen/Pharmacia  
 1999 - 2001, Principal Investigator
  6. A Phase I/II study of recombinant chimeric protein composed of circularly permuted IL-4 and a mutated form of the pseudomonas exotoxin termed IL-4 (38-37)-PE38KDEL (IL-4 toxin) for the treatment of recurrent malignant astrocytoma. \$10,297  
 Neurocrine Biosciences  
 1999 - 2000, Principal Investigator
  7. Targeted gene delivery to malignant gliomas via the fibroblast years growth factor receptor. \$50,000/yr x 3  
 Connell Foundation  
 2000 - 2002, Principal Investigator
  8. Fellowship on Brain Tumors \$3,000/year  
 \$2500/yr for Year I Medical Student Summer Research  
 Kriegel Research Foundation  
 Principal Investigator
  9. Distribution of small magnetic particles in brain tumors. \$12,500  
 FeRx  
 2001-2002, Principal Investigator
  10. Phase I/II study of the safety and tolerability of DTI-015 in patients with recurrent glioblastoma multiforme. \$58,750  
 Direct Therapeutics  
 2001 - present, Principal Investigator
  11. Non-invasive, cell proliferation based assessment of treatment response in human malignant gliomas with positron emission tomography. \$100,000  
 Dana Foundation  
 2002-2005, Principal Investigator
  12. In-vivo imaging of replication competent retrovirus transduction of malignant gliomas using micro-positron emission tomography. P20 grant awarded to Peter Conti, MD, PhD \$50,000  
 Development of a cellular and molecular based cancer imaging center. 2003 - 2004, Principal Investigator
  13. Aging and the Brain Microenvironment in Human Gliomas. \$50,000

Wright Foundation, USC  
7-2003 to 7-2004, Principal Investigator

14. Role of PKC-Mediated GRP Induction in Glioma Chemoresistance. \$200,000  
National Cancer Institute, PI  
7-2003 to 7-2006, PI
15. Generating Brain Tumor Targeted Derivatives of the Anti-Tumor Drug Celecoxib \$50,000  
James H. Zumberge Research and Innovation Fund, PI  
7-1-2004 to 7-31-2005, co-Principal Investigator
16. New Target for Anti-angiogenic Therapy in Brain Tumors \$49,874  
Zumberge Research Grant  
7-1-2005 to 6-31-2007, co- Principal Investigator
17. Survivin: Target for Breast Cancer Metastasis Therapy \$250,000  
California Breast Cancer Research Program, co-PI
18. Potent enhancement of conventional multiple myeloma chemotherapy \$100,000  
by DMC, a novel drug with multifunctional molecular applications.  
Multiple Myeloma Foundation. 12-05, co-PI
19. Applying COX-2 independent molecules: independent effect of celebrex \$75,000  
to the treatment of glioblastoma. 7-05, ABC2, Co-PI
20. Evaluation of the bone matrix protein (Kronos) for in-situ lumbar fusions \$150,000  
1-07, Synthes
21. Use of ER Stress in the Treatment of Malignant Gliomas \$120,000  
6-07, Whittier Foundation
22. Use of noscapine in the Treatment of Malignant Gliomas \$120,000  
6-07, Cougar Pharmaceuticals

## BIBLIOGRAPHY

Thomas C. Chen, M.D., Ph.D., F.A.C.S.

### PEER REVIEW

1. Gesundheit N, Magner JA, Chen TC, Weintraub BD.  
Differential sulfation and sialylation of secreted mouse thyrotropin (TSH) subunits: regulation by TSH-releasing hormone. *Endocrinology* 119: 455-463, 1986.
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Sequence requirements of Escherichia coli att Tn7, a specific site of transposon Tn7 insertion. *J of Bacteriology* 170: 352-258, 1988.
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Flow cytometry measurement of nuclear RNA content in uveal melanoma. *Ophthalmic Res.* 22:187-193, 1990.
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Sixth nerve schwannomas. Report of two cases. *J Neurosurg* 75: 638-641, 1991.
5. Levy ML, Chen TC, Weiss MH.  
Monostotic fibrous dysplasia of the clivus. *J Neurosurg* 75: 800-804, 1991.
6. Chen TC, Maceri D, Giannotta SL, McComb JG.  
Unilateral acoustic neuromas in childhood without evidence of neurofibromatosis: case report and review of the literature. *Amer J Otol* 13: 318-322, 1992.
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8. Chen TC, Zee CS, Miller CA, Weiss MH, Tang G, Chin L, Levy ML, Apuzzo MLJ. Magnetic Resonance Imaging and Pathologic Correlates of Meningiomas. *Neurosurgery* 31: 1015-22, 1992.
9. Chen TC, Hinton DR, Apuzzo ML, Hofman FM.  
Differential effects of tumor necrosis factor-alpha on proliferation cell surface antigen expression, and cytokine interactions in malignant gliomas. *Neurosurgery* 32: 85-94, 1993.
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Differential brain penetration of cerebroprotective drugs. *Advances in Exp Med & Biol* 331: 117-120, 1993.
11. Chen TC, Maceri D, Levy M, Giannotta SL.  
Fat Graft Prolapse after Translabrynthine Craniotomy. *Neurosurgery* 35: 521-525, 1994.

12. Couldwell WT, Chen TC, Weiss MH, Fukushima T, Dougherty W.  
Cranioplasty with the Medpor Porous Polyethylene Flexblock Implant. Technical Note. *J Neurosurg* 81: 483-87, 1994.
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Multifocal inflammatory leukoencephalopathy associated with levamisole and 5-fluorouracil. *Neurosurgery* 35: 1138-44, 1994.
14. Couldwell WT, Hinton DR, He S, Chen TC, Sebat I, Weiss MH, Law RE.  
Protein kinase C inhibitors induce apoptosis in human malignant glioma cell lines. *FEBS Letters* 345: 43-6, 1994.
15. Chen TC, Rabb C, Apuzzo MLJ.  
Complex technical methodologies and their applications in the surgery of intracranial meningiomas. In Ransohoff J ed. *Meningiomas. Neurosurgery Clinics of North America* 5: 261-283, 1994.
16. Stillerman CB, Chen TC, Day JD, Weiss MH.  
The transfacet approach for herniated thoracic discs. *J Neurosurgery* 83: 971-6, 1995.
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Magnetic resonance imaging of cystic meningiomas and its surgical implications. *Neurosurgery* 36: 482-489, 1995.
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Gamma unit facility: concept genesis, architectural design and practical realization. *Stereotact Funct Neurosurg.* 66: 41-9, 1996.
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Methylprednisolone uptake at the blood-brain interface. *Neurosurgery* 38: 348-354, 1996
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Vagus nerve stimulation activates central nervous system structures in epileptic patients during PET H<sub>2</sub>O blood flow imaging. *Neurosurgery* 39: 426-431, 1996.
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Pediatric intracranial hemangioendotheliomas. *Neurosurgery* 40: 410-415, 1997.
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Soluble TNF- $\alpha$  receptors are constitutively shed and down regulate adhesion molecule expression in malignant gliomas. *J Neuropathol Exp Neurol* 56: 541-550, 1997.
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TGF- $\beta$ 2 and soluble p55 TNFR modulate VCAM-1 expression in glioma cells and brain derived endothelial cells. *J Neuroimmunol.* 73: 155-161, 1997.

24. Chen TC, Hinton DR, Hofman FM.  
Upregulation of cAMP/PKA pathway inhibits proliferation, induces differentiation, and leads to apoptosis in malignant gliomas. *Laboratory Investigation*. 78:165-174, 1998.
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Experience in the surgical management of 82 symptomatic herniated discs and review of the literature. *J Neurosurgery*. 88:623-633, 1998.
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Recombinant Human morphogenetic protein: It's future role in spine fusions. *Neurosurg. Focus* Vol. 4:(2), Article 11, 1998. (Online)
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Hereditary neurological tumor syndromes-clues to glioma oncogenesis? *Neurosurg Focus*. Vol. 4:(4), Article 1, 1998 (Online)
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Anterior Lumbar Fusions. *Techniques in Neurosurgery* 4:256-264, 1998.
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Introduction to Gene Therapy. *Neurosurg Focus*, Vol. 8(4): Introduction, 2000. (Online)
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Targeted cytotoxic gene delivery to malignant gliomas via the fibroblast growth factor receptor. *Neurosurg Focus*. Vol. 8(4), 1-8, 2000.
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Anti-invasive Effect of Contortrostatin, a snake venom disintegrin, and TNF- $\alpha$  on malignant glioma cells. *Anti-Cancer Res*. 20(6b): 4227-4233, 2000.
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Spinal intramedullary cysticercosis in a five-year-old child: case report and review of the literature. *The Pediatric Infect. Disease Journal*. 20(9):904-908, 2000.
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Drop Metastasis from Sinonasal Undifferentiated Carcinoma. *Spine*. 26(13):1486-1497, 2001.
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Prostate Cancer and Spinal Cord Compression. *Oncology*. 15(7): 841-55. 2001
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The type IV phosphodiesterase inhibitor rolipram induces expression of the cell cycle inhibitors p21 Cip 1 and p27Kip1, resulting in growth inhibition, increased differentiation, and subsequent apoptosis of malignant A-12 glioma cells. *Cancer Biology & Therapy*, Vol. 1:3, 268-276, 2003.

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40. Kardosh A., Blumenthal M., Wang W., Chen TC., Schonthal AH. Differential effects of selective COX-2 Inhibitors on cell cycle regulation and proliferation of glioblastoma cell lines. *Cancer Biology & Therapy* 1:55-62, 2004.
41. Charalambous C, Hofman FM, Chen TC. Functional and phenotypic differences between glioblastoma-derived and normal human brain endothelial cells. *J Neurosurg* 102(4):699-705, 2005.
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#### CHAPTERS

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19. Chen TC, Khoo L, Stillerman CB. Intradiskal and Percutaneous Treatment of Lumbar Disk Disease. Winn/ Youmans Neurological Surgery (Elsevier Science)
20. Chamberlain MC, Cummins D, Kim S, Chen TC. Adult Supratentorial Primitive Neuroectodermal Tumors. Chapter 20 in Berger MS, Keles S (section editor): Intra-Axial Tumors, Section 2.1 in Berger MS, Prados MD (editors): Neuro-Oncology Textbook. Philadelphia: Elsevier Science.

#### MISCELLANY/INVITED TALKS

1. "Tumors of the Spine and Spinal Cord"  
Joseph P. Van der Meulen Symposium in Clinical Neuroscience  
Spinal Cord, Nerves and Muscles: The "Backbone" of Your Practice  
Los Angeles, California - March 1999
2. "A Roundtable Discussion of the Treatment of Glioma Patients: Irinotecan"  
Neuro-Oncology Annual Meeting  
Sponsored by: Pharmacia & Upjohn  
Scottsdale, Arizona – November 1999
3. "Anaplastic Astrocytomas"  
The Power of Help, Hope and Healing  
The 6<sup>th</sup> National Brain Tumor Conference  
Los Angeles, California – March 2000
4. "Surgical Management of Neurocysticercosis." LA 2000

5. "Use of PKC inhibitors to potentate effect of CPT-11 in the treatment of malignant gliomas." Pharmacia Meeting. Asheville, NC, 2001.
6. "Advances in Surgical Neuro-oncology" Joseph P. Van der Meulen Symposium in Clinical Neuroscience. Los Angeles, CA, April 2002.
7. "Advances in Translational Neuro-oncology." Neurology Translational Grand Rounds, USC. Los Angeles, CA, October, 2004.
8. "My Aching Back." North American Taiwanese Medical Association. Industry City, CA, 10-2004.
9. "Replication Competent Retroviruses for Gene Therapy of Malignant Gliomas." UCSF Grand Rounds, 7-06.

#### Symposium/Practical Courses Taught

1. Principles of Spinal Disorders for Operating Room Personnel-Lecture: Innovations in Spine Surgery. University City, 9-23 to 9-24-06.

#### Student Lectures

1. "Case-Based Seminar – Spinal Cord Injury"  
Second year medical students - Neurobehavior  
University of Southern California, Los Angeles, CA, December 1999.
2. "Gene Therapy of Malignant Gliomas".  
St. George Society  
University of Southern California, Los Angeles, CA January 22, 2003

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Last update: February 15, 2005