

CURRICULUM VITAE

DAVID S. BASKIN, M.D., FACS, FAANS

PERSONAL

Home Address: 1656 North Boulevard
Houston, Texas 77006-6330

Marital Status: Married, 3 children

EDUCATION

B.A. with High Honors	Swarthmore College Swarthmore, Pennsylvania	1974
M.D.	Mt. Sinai School of Medicine New York, New York	1978
Intern in Surgery	University of California San Francisco, California	1978-1979
Resident in Neurosurgery	University of California San Francisco, California	1979-1984
Research Associate	Departments of Anesthetics, Clinical Sciences, Immunology, and Neurosurgery University of Capetown Medical School Groote Schuur Hospital Capetown, Republic of South Africa	1981
Research Associate	Hormone Research Laboratory University of California School of Medicine San Francisco, California	1983

MEDICAL LICENSURE

California	License No. G40053	1979-Present
Texas	License No. G7485	1985-Present

SPECIALTY CERTIFICATION

American Board of Neurological Surgery	Board Certified (Not Time Limited)	September 24, 1986
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FACULTY POSITIONS

Presidential Distinguished Chair Department of Neurological Surgery	Houston Methodist Hospital Houston, Texas	2012-Present
Director Kenneth R. Peak Center Brain and Pituitary Tumor Treatment Center	Houston Methodist Hospital Houston, Texas	2013-Present
Vice Chairman Department of Neurological Surgery	The Methodist Hospital Neurological Institute	2007-Present
Professor Department of Neurological Surgery	Weill Cornell Medical College New York, NY	2007-Present
Research Professor Cullen College of Engineering Department of Electrical and Computer Engineering	University of Houston Houston, TX	2006-Present
Research Professor, School of Pharmacy	University of Houston	2005-Present
Residency Program Director Department of Neurological Surgery	Houston Methodist Hospital Neurological Institute	2005-Present
Adjunct Professor of Neurological Surgery	Baylor College of Medicine Houston, Texas	2005-present
Professor of Neurological Surgery	Baylor College of Medicine Houston, Texas	1994 - 2005
Professor of Anesthesiology	Baylor College of Medicine Houston, Texas	1994 - 2005
Associate Professor of Neurological Surgery	Baylor College of Medicine Houston, Texas	1989 - 1994
Associate Professor of Anesthesiology	Baylor College of Medicine Houston, Texas	1993 - 1994
Attending Physician Neurological Surgery	Veterans Affairs Medical Center Houston, Texas	1991 - 2007
Assistant Professor of Neurological Surgery	Baylor College of Medicine Houston, Texas	1984 - 1989
Assistant Professor Center for Biotechnology	Baylor College of Medicine Houston, Texas	1985 - 1993
Chief of Neurological Surgery	Veterans Affairs Medical Center Houston, Texas	1984 - 1991

Attending Physician Neurological Surgery	Houston Methodist Hospital Houston, Texas	1984 - Present
Attending Physician Neurological Surgery	Ben Taub Hospital Houston, Texas	1984 - Present
Attending Physician Neurological Surgery	Texas Children's Hospital Houston, Texas	1984 - Present
Attending Physician Neurological Surgery	St. Luke's Episcopal Hospital Houston, Texas	1984 - Present
Attending Physician Neurological Surgery	Memorial Hermann TIRR	1984 - Present
Attending Physician Neurological Surgery	Columbia HCA - Del Oro Hospital Houston, Texas	1994 - 1996
Attending Physician Neurological Surgery	Texas Orthopedic Hospital Houston, Texas	1995 – Present
Consulting Physician Neurological Surgery	Johnson Space Center	2012-Present
Special Consultant Monitoring Intracranial Pressure in Space	National Aeronautics and Space Administration (NASA)	2013-Present

HONORS AND AWARDS

Valedictorian	Roxbury High School Succasunna, New Jersey	1970
Award for highest Grade point average	Roxbury High School Succasunna, New Jersey	1970
Phi Beta Kappa	Swarthmore College Swarthmore, Pennsylvania	1974
Sigma Xi	Swarthmore College Swarthmore, Pennsylvania	1974
Alpha Omega Alpha	Mt. Sinai School of Medicine New York, New York	1978
James Felt Memorial Prize: Outstanding all- around student during the four years of study	Mt. Sinai School of Medicine New York, New York	1978
Resident's Prize for best scientific paper	Federation of Western Societies of Neurological Science, Annual Meeting, San Diego, California	1982
Academy Award for Original scientific Research	The American Academy of Neurological Surgery, 27th Annual Meeting Pebble Beach, California	1983
Nominee PEW Foundation Scholars in the Biomedical Sciences	Nominated by Baylor College of Medicine Houston, Texas	1984
Continuing Education Award in Neurosurgery	The Joint Committee on Education American Association of Neurological Surgeons & Congress of Neurological Surgeons	1986
Fellow, American Heart Association Stroke Council	Executive Committee of American Heart Association, Stroke Council	1986
Fellow, American College of Surgeons	Membership Committee, American College of Surgeons	1988
Wakeman Award for Research in the Neurosciences	Wakeman Award Committee Duke University Durham, North Carolina	1990

Saul Horowitz Award for the Outstanding Alumni Achievement	Mt. Sinai School of Medicine New York, New York	1990
Named in Who's Who in Medicine and Healthcare	Marquis Who's Who in America	1990 - Present
Selected by Peers to be included in First and Subsequent Editions of the Best Doctors for America	Woodward White Inc. Aiken, South Carolina	1996 - Present
Elected to Texas Hall of Fame	Publishers Plus Englewood, New Jersey	1996 - Present
Named in Who's Who in Medicine and Healthcare	International Who's Who of Professionals	1997 - Present
Named in Who's Who in the South and Southwest	Marquis Who's Who in the South and Southwest	2000 - Present
Named in Guide to Top Doctors	Center for the Study of Services	2002 - Present
Named in Who's Who in the Southwest	Marquis Who's Who in the Southwest	2003 – Present
Named in Who's Who in Medical Sciences Education	Academic Keys Who's Who in Medical Sciences Education	2004 - Present
Endowed Chair in Neurosurgery	The Methodist Hospital Neurological Institute	2005 - Present
Certificate of Honor	President of the Congress 5 th Int. Conference of Neurosurgery Shanghai, China	2010
Best Doctors in America	U. S News and World Report	2010-Present
Best Doctor Honor Role for 5 years or more	Castle Connolly Best Doctors	2012-Present
Most Compassionate Doctor Award Patient's Choice Award	Vitals/ American Registry	2012-Present

VISITING PROFESSOR

State University of New York Health Science Center Syracuse, New York	Jan 8 - 9, 1999
Medical College of Georgia Augusta Georgia	Sept 6 - 8, 2000
Downstate Medical Center Brooklyn, NY	Nov 6 - 7, 2001
Tulane University Medical Center Department of Neurological Surgery	Jan 6 - 7, 2005
Huashan Institute of Neurological Surgery Huashan Hospital Shanghai, China	Nov 17 - 22, 2010

SOCIETIES AND ORGANIZATIONS

Phi Beta Kappa	1974
Sigma Xi	1974
Alpha Omega Alpha	1978
Congress of Neurological Surgeons	1984 - Present
Houston Neurological Society	1984 - Present
Pituitary Society of Houston	1985 - Present
Harris County Medical Society	1985 - Present
Texas Medical Association	1985 - Present
American Medical Association	1985 - Present
Rocky Mountain Neurological Society	1986 - Present
American Heart Association Stroke Council	1986 - Present
American Association for the Advancement of Science	1986 - Present
Joint Section on Spinal Disorders Congress of Neurosurgery and The American Association of Neurological Surgeons	1986 - Present
American Association of Neurological Surgeons	1987 - Present
American College of Surgeons	1988 - Present
Society for Neuroscience	1991 - Present

Pituitary Society of America	1993 - Present
Southern Medical Association	1994 - Present
Southern Neurosurgical Society	1996 - Present
Society of University Neurosurgeons	1998 - Present
Society of Neurological Surgeons	2000 - Present
American Academy of Neurological Surgery	2006-Present
Society of Neuro-Oncology	2013-Present
American Society of Clinical Oncology	2013-Present

COMMITTEES

1. Chairman Committee on Total Parenteral Nutrition Houston Veterans Affairs Medical Center	1984 - 1985
2. Member Executive Committee National Acute Spinal Cord Injury Study (NASCIS II)	1984 - 1990
3. Member Operating Room Committee Houston Veterans Affairs Medical Center	1984 - 1991
4. Member Equipment Committee Houston Veterans Affairs Medical Center	1984 - 1991
5. Member Human Studies Subcommittee Houston Veterans Administration Hospital	1985 - 1987
6. Member Medicine Studies Subcommittee Houston Veterans Affairs Medical Center	1985 - 1987
7. Member Research and Development Committee Houston Veterans Administration Hospital	1985 - 1987

8. Member 1985 - 1989
Executive Committee
Treatment of Alzheimer's Disease with
Intraventricular Bethanechol Chloride
9. Member 1985 - 1991
Surgical Intensive Care Unit Committee
Houston Veterans Affairs Medical Center
10. Member 1986 - 1991
Medical District Peer Review Board Advisor
Veterans Affairs Medical Center
11. Member 1986 - 1994
Organ Procurement Committee
The Methodist Hospital and Baylor College of Medicine
12. Member 1986 - 1994
Medical Records Committee
The Methodist Hospital
13. Chairman 1987
Subcommittee on AIDS
Graduate Medical Education Committee
Baylor College of Medicine
14. Member 1987
Open Scientific Session Committee
Congress of Neurological Surgery
15. Member 1987-1993
Curriculum Committee
Baylor College of Medicine
16. Member 1987-1990
Medical School Admissions Committee
Baylor College of Medicine
1991-1995
17. Member 1988-1993
Texas Council on Alzheimer's Disease
and Related Disorders
State of Texas
18. Member 1990-1993
Executive Committee
Texas Council on Alzheimer's Disease and Related Disorders
State of Texas

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| 19. Member
Executive Committee
National Acute Spinal Cord Injury Study III
NASCIS III | 1991 |
| 20. Guest Examiner
American Board of Neurological Surgery | 1991, 2006, 2009, 2010 |
| 21. Chairman
Program Advisory Subcommittee of the
Graduate Medical Education Committee
Baylor College of Medicine | 1991-1997 |
| 22. Medical Advisory Committee
The Methodist Health Care Network
The Methodist Hospital | 1992-1995 |
| 23. Member
Medical School Admissions Committee, Recruitment Subcommittee
Baylor College of Medicine | 1993 |
| 24. Member
Task Force for Curriculum Revision
Baylor College of Medicine | 1993 |
| 25. Member
Committee on Graduate Medical Education
Baylor College of Medicine | 1985-2005 |
| 26. Member
Surgeons Advisory Board
Smith Kline Beecham Pharmaceuticals | 1988-2000 |
| 27. Member
Specialized Drug Delivery Devices Subcommittee
The Methodist Hospital | 1993-1998 |
| 28. Member
Tissue and Blood Quality Management Committee
Veterans Affairs Medical Center | 1995-2005 |
| 29. Chairman
Fact Finding Subcommittee
Graduate Medical Education Committee
Baylor College of Medicine | 1997-1999 |

30. Member 1997-1999
Medical Records Committee
The Methodist Hospital
31. Member 1997-2005
Satellite Healthcare Network
Faculty Advisory Committee
Baylor College of Medicine
32. Member 1998-2000
BaylorMedCare®
Professional Fees Committee
Baylor College of Medicine
33. Chairman 1999-2005
Administrative Subcommittee GMEC
Baylor College of Medicine
34. Vice Chairman 1999-2004
Graduate Medical Education Committee
Baylor College of Medicine
35. Member 1999-2001
Emergency Room and Intensive Care Units Committee
The Methodist Hospital
36. Member 1999-2001
Clinical Pathway Committee in Acute Stroke
The Methodist Hospital
37. Chairman 2002-2005
Neuro-Oncology Section
Department of Neurosurgery
Baylor College of Medicine
38. Member 2002-2006
Physician Palliative Care Advisory Group
The Methodist Hospital
39. Member 2002-2007
American College of Surgeons
Surgical Research Committee
40. Member 2002-Present
Cancer Board
The Methodist Hospital

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| 41. Member | 2004-2007 |
| Research Committee | |
| Society of Neurological Surgeons | |
| 42. Member | 2005-Present |
| Graduate Medical Education Committee | |
| The Methodist Hospital | |
| 43. Member | 2006-Present |
| Executive Committee | |
| Graduate Medical Education Committee | |
| 44. Member | 2007-Present |
| Administrative Subcommittee on Resident Performance | |
| Graduate Medical Education Committee | |
| The Methodist Hospital | |
| 45. Member | 2011-Present |
| Code of Conduct Panel | |
| The Methodist Hospital | |
| 46. Member | 2013-Present |
| Houston Methodist Cancer Governance Council | |

JOURNAL REFEREE

Journal of Neurosurgery
Life Sciences
Pharmaceutical Research
Journal of Neurofibromatosis
AHFS Drug Information
Brain Research
Physiology & Behavior
Neurosurgery
Annals of Neurology
World Neurosurgery

SCIENTIFIC REVIEW COMMITTEES

Chairperson, Study Section National Institutes of Health National Institute of Environmental Health Sciences Special Emphasis Panel ZES1 LKB-A (K1)	December 6, 2004
Primary Reviewer, Study Section National Institutes of Health National Institute of Environmental Health Sciences	February 2007
Member Scientific Review Board Cure Autism Now Foundation]	2001-2007
Co-Chair Scientific Review Council Cure Autism Now Foundation	1999-2007
Member Scientific Advisory Council Autism Speaks	2008-Present
Member Visual Impairment/Intracranial Pressure, Research and Clinical Advisory Panel National Aeronautics and Space Administration (NASA)	2011-Present
Member Scientific Review Panel for Final Grant Approval Autism Speaks	2013-Present
Member NASA/NSBRI Review Panel Visual Impairment Intracranial Pressure NASA Research and Education Support Services	March 2013-Present

GRANTS**Prior Support**

Co-Investigator Reversal of Experimental Ischemic Neurological Deficit in Gerbils by the Opiate Antagonist Naloxone. Academic Senate Committee on Research, San Francisco Division, 1982.	\$2,000
Co-Investigator Therapeutic Action of Opiate Antagonists in Acute Stroke. NINCDS Grant, 1 RO1 - NS20620-01, 1984.	\$163,350
Principal Investigator Treatment of Acute Stroke with Opiate Antagonists. Biomedical Research Support Grant, Baylor College of Medicine, 1984.	\$9,000
Principal Investigator Treatment of Acute Stroke with Opiate Antagonists. Research Advisory Groups, Veterans Administration, 1985.	\$51,000
Principal Investigator Treatment of Acute Stroke with Opiate Antagonists. Smith, Kline and French Fellowship of the American College of Surgeons, 1985-1987.	\$60,000
Principal Investigator Opiate Antagonists in Cerebral Ischemia. Veterans Administration Merit Review Grant 1985-1989.	\$180,000
Co-Investigator Nuclear Magnetic Resonance Evaluation of Stroke. NIH 32 RO1 NS19056-04 1986.	\$364,450
Principal Investigator Kappa Agonists in Cerebral Ischemia. DuPont Critical Care 1989-1990.	\$24,000
Principal Investigator A New Kappa Agonist for Cerebral Ischemia. DuPont Critical Care 1989.	\$7,500

Principal Investigator Kappa Opioids in Cerebral Ischemia. Veterans Administration Merit Review Grant 1990-1993.	\$241,500
Principal Investigator Anti-Oxidants in Cerebral Ischemia. The Pauline-Sterne Wolff Memorial Foundation 1992-1994.	\$40,000
Principal Investigator Efficacy Safety Study of Tirilazad Mesylate (U-74,006F) in Patients with Subarachnoid Hemorrhage. The Upjohn Company 1992-1997.	\$60,000
Principal Investigator Mechanism of Action of Kappa Opioids. The American Heart Association 1993-1996.	\$81,740
Principal Investigator Mechanism and Site of Action of Kappa Opioids in Cerebral Ischemia. Veterans Affairs Merit Review Grant_1993-1997.	\$199,400
Principal Investigator Treatment of Stroke and Subarachnoid Hemorrhage. Pauline Sterne Wolff Memorial Foundation 1995-1996.	\$30,000
Principal Investigator Treatment of Brain Edema with Kappa Opioids. The Taub Foundation 1993-1998.	\$75,000
Principal Investigator Treatment of Stroke and Subarachnoid Hemorrhage with Tirilazad Mesylate. George A. Robinson IV Foundation 1994-1998.	\$1,000
Principal Investigator New Agents for Treatment of Stroke. George A. Robinson IV Foundation 1995-1998.	\$1,000
Principal Investigator Kappa Opioid Neuroprotection in Stroke. Baylor College of Medicine Program for Interim Support 1997-1998.	\$30,000

Principal Investigator Molecular Biology of Stroke. George A. Robinson IV Foundation 1997-2000.	\$7,000
Principal Investigator Molecular Biology of Ischemia. Pauline Sterne Wolff Memorial Foundation 1997-2000.	\$30,000
Principal Investigator A New and Specific Assay for Detection of Apoptotic Cell Death. Texas Higher Education Coordinating Board Advanced Technology Program 1998-1999.	\$130,870
Principal Investigator In Situ Ligation for Detection of Specific DNA Damage National Cancer Institute, NIH 1 R01 CA78912-01 1998-2002.	\$309,190
Principal Investigator Imaging of Cellular Processes in vivo Using Fullerenes. Texas Higher Education Coordinating Board Advanced Technology Program 2002-2003.	\$140,000
Co-Principal Investigator and President and CEO Molecular Probes to Image DNA Damage in Brain Cells National Institute of Mental Health, NIH 1999-2004.	\$399,100
Principal Investigator Molecular Probes to Image DNA Damage in Live and Fixed Brain Cells Veterans Affairs Merit Review Grant 2001-2004.	\$398,300
Laboratory Director Fluorescence Resonance Energy Transfer Based Detection of Caspase 3 in Tissue Sections Roche Diagnostics 1999-2005	\$25,200

Principal Investigator Nanotechnology for in Vivo Imaging of Apoptosis Using Protein-Directed Fullerene Complexes Texas Higher Education Coordinating Board Advanced Technology Program 2004-2005.	\$200,000
Principal Investigator Differential Effects of Thimerosal on Cell Division and Apoptosis in Normal versus Autism Spectrum Disorder Cell Lines Autism Speaks 2008-2009.	\$54,545
Principal Investigator Targeted Therapy of Glioblastoma Using Immunogens Delivered Via Quantum Dot- Labeled Nanoparticles and Activated and Genetically Modified Lymphocytes Golfers against Cancer 2006 - 2009	\$200,000

Present Support

Principal Investigator Novel Treatments for Malignant Brain Tumors and Stroke Pauline Sterne Wolff Memorial Foundation 2001-2012.	\$100,000
Principal Investigator Apoptosis and Neurological Injury Pauline Sterne Wolff Memorial Foundation 1999-2012.	\$75,000
Principal Investigator Apoptosis and Neurological Injury George A. Robinson IV Foundation 1999-2013.	\$25,000
Principal Investigator Novel Technology for Treatment of Brain Tumors The Veralan Foundation and The Methodist Hospital Foundation 2010-2015	\$1,000,000
Principal Investigator Neuroscience Development The Taub Foundation and The Methodist Hospital Foundation 2010-2013	\$200,000
Mentor Targeting Mitochondria with a New Class of Glioma-Specific Chemotherapeutic Agents American Brain Tumor Association 2011-2012	\$50,000
Kenneth R. Peak Foundation Director, Brain and Pituitary Tumor Treatment Center	\$10,000,000.00
John S. Dunn Foundation Two Endowed Chairs and Research Funding Kenneth R. Peak Brain and Pituitary Treatment Center	3,000,000.00

SCHOLARSHIPS

Sponsor -- American Heart Association Medical Student Stroke Research Scholarship 1984.	\$1,500
Sponsor -- Alpha Omega Alpha Honor Medical Society Medical Student Research Scholarship 1994.	\$3,000
Sponsor -- Alpha Omega Alpha Honor Medical Society Medical Student Research Scholarship, 1996.	\$3,000
Sponsor -- Southern Medical Association Medical Student Research Grant 1997.	\$2,500
Sponsor -- American Heart Association Medical Student Research Scholarship 1997.	\$2,000
Sponsor -- Alpha Omega Alpha Honor Medical Society Medical Student Research Scholarship 2001.	\$3,000

MULTICENTER CLINICAL TRIALS AS PRINCIPAL SITE INVESTIGATOR

1. Principal Site Investigator, Treatment of Spinal Cord Injury with Naloxone or Methylprednisolone-The National Acute Spinal Cord Injury Trial-NASCIS II
1984-1990
2. Principal Site Investigator, Treatment of Alzheimer's Disease with Intraventricular Bethanechol,
1997-1989
3. Principal Site Investigator, Treatment of Acute Spinal Cord Injury with Tirilizad Mesylate or Methylprednisolone, The National Acute Spinal Cord Injury Trial-NACSIS III,
1991-1995
4. Principal Site Investigator, A Randomized Double-Blind, Vehicle-Controlled Trial of Tirilizad Mesylate in Patients with Aneurysmal Subarachnoid Hemorrhage: A Cooperative Study in North America
1993-1997
5. Principal Site Investigator, Cervical Spine Fusion Using Corraline Hydroxappatite as a Bone Substitute: A Multicenter Trial,
1998-2001
6. Principal Site Investigator, A Prospective, Randomized, Controlled Cervical Fusion Study Using rhBMP-2 with the CORNERSTONE-SR™ Allograft Ring and the ATLANTIS™ Anterior Cervical Plate, 1999-2002
7. Principal Site Investigator, Phase IB Study of Gene Mediated Cytotoxic Immunotherapy Adjuvant to Up-Front Surgery and Intensive Timing Radiation for Malignant Glioma
2003-2011
8. Principal Site Investigator, Porous Tantalum Cervical Interbody Fusion Devices: A Prospective, Randomized, Multi-Center Clinical Study
2005-2011
9. Principal Site Investigator, An Assessment of P-15 Bone Putty (Beta 2 Integrin Molecule) in Anterior Cervical Fusion with Instrumentation, 2008-Present
10. Co-Principal Investigator, DC VaxL for Treatment of Malignant Glioma, A Multi-Center Vaccine Trial, 2013-Present
11. Co-Principal Investigator, Tocagen Gene Therapy for Malignant Glioma, A Multi-Center Gene Therapy Trial, 2013-Present

LOCAL CLINICAL TRIALS AS FIRST STEP TO NATIONAL MULTICENTER TRIALS

1. Co-Site Investigator, An Assessment of Adoptive and Adaptive Immunotherapy for Glioblastoma using HER 2 targeting, (In Collaboration with Cell and Gene Therapy- Using Patients from Multiple Centers), 2011-Present
2. Principal Site Investigator, Assessment of DNA Damage in Glioblastoma For Individualized Chemotherapy
2010-Present
3. Principal Site Investigator, Development of Individualized Tumor Microarrays to Assess Glioblastoma, in partnership with American Tissue Collection Consortium, 2013
4. Principal Site Investigator, Genetic Alterations in Pituitary Adenomas, In Partnership with Department of Pathology, Houston Methodist Hospital

PRESENTATIONS

- "Cartography of periaqueductal gray stimulation in humans." April 22, 1980
 American Association of Neurological Surgeons
 Annual Meeting
 New York, New York
- "Whipple's disease of the central nervous system." Jan 22, 1981
 Bay Area Infectious Disease Club
 San Francisco, California
- "Transsphenoidal removal of growth hormone-secreting pituitary adenomas: A review of 137 cases." April 6, 1981
 American Association of Neurological Surgeons
 Annual Meeting
 Boston, Massachusetts
- "Endogenous opioids and cerebral ischemia." May 29, 1981
 Department of Pharmacology Special Seminar
 University of Capetown Medical School
 Groote Schuur Hospital
 Capetown, Republic of South Africa
- "Neurosurgical treatment of pituitary disease." June 10, 1981
 Neurosurgery Grand Rounds
 University of Capetown Medical School
 Groote Schuur Hospital
 Capetown, Republic of South Africa
- "Opiates and cerebral ischemia: Animal and human studies." June 20, 1981
 Department of Anesthetics Grand Rounds
 University of Capetown Medical School
 Groote Schuur Hospital
 Capetown, Republic of South Africa
- "The opiate antagonist naloxone reverses the ischemic neurologic deficit produced by unilateral carotid ligation in gerbils." Oct 22, 1981
 Society for Neuroscience
 Annual Meeting
 Los Angeles, California
- "Naloxone reversal of ischemic neurologic deficits. Clinical and experimental studies." April 26, 1982
 Annual Meeting
 Honolulu, Hawaii

- "Naloxone reversal of ischemic neurologic deficits in baboons is not mediated by systemic effects." June 16, 1982
International Narcotics Research Conference
Annual Meeting
Falmouth, Massachusetts
- "Transsphenoidal treatment of non-neoplastic intrasellar cysts." April 27, 1983
A report of 38 cases."
American Association of Neurological Surgeons
Annual Meeting
Washington, D.C.
- "The role of the endogenous opioid system in the pathophysiology of cerebral ischemia." Oct 27, 1983
American Academy of Neurological Surgeons
27th Annual Meeting
Pebble Beach, California
- "New concepts of cerebral ischemia." Jan 9, 1984
Department of Neurological Surgery
Basic Science Conference
University of Florida Medical Center
Gainesville, Florida
- "Endogenous opiates and cerebral ischemia." Jan 11, 1984
Department of Neurological Surgery
Head Injury Conference
Medical College of Virginia
Richmond, Virginia
- "Treatment of experimental stroke with opiate antagonists." Jan 18, 1984
Departments of Neurology and Neurosurgery Grand Rounds
University of Mississippi Medical Center
Jackson, Mississippi
- "Treatment of experimental focal ischemia with opiate agonists and antagonists: Effects on neurologic function, infarct size, and survival." April 10, 1984
American Association of Neurological Surgeons
Annual Meeting
San Francisco, California
- "Treatment of stroke with opiate antagonists - Effects of exogenous antagonists and dynorphin 1-13." July 24, 1984
International Narcotics Research Conference
Annual Meeting
Cambridge, England

- "Diagnosis and treatment of pituitary adenomas." April 6, 1985
 American Association of Neurological Nurses
 Houston Chapter
 Houston, Texas
- "Craniopharyngiomas." April 23, 1985
 American Association of Neurological Surgeons
 Annual Meeting
 Atlanta, Georgia
- "Advances in treatment of Alzheimer's disease and stroke." Aug 29, 1985
 Gallatin County Medical Society
 Annual Meeting
 Bozeman Deaconess Hospital
 Bozeman, Montana
- "Diagnosis and treatment of head injuries." Aug 30, 1985
 Weekly Clinical Conference
 Bozeman Deaconess Hospital
 Bozeman, Montana
- "Lymphocytic adenohypophysitis." Nov 20, 1985
 Pituitary Society
 Monthly Meeting
 Park Plaza Hospital
 Houston, Texas
- "Surgical management of craniopharyngiomas - A review of 74 cases." Feb 27, 1986
 Southern Neurosurgical Society
 Annual Meeting
 Boca Raton, Florida
- "Periaqueductal gray stimulation - A clinicopathological analysis." March 11, 1986
 International Society of Functional and Stereotactic Surgery
 Special Meeting
 Garmisch - Partenkirchen, Germany
 Weekly Clinical Conference
- "Management of Cushing's disease." April 21, 1986
 Texas Medical Association
 Annual Meeting
 Houston, Texas
- "The sella is enlarged ... now what?" May 10, 1986
 Symposium on Office Management of Common Pituitary Disorders
 Dallas, Texas

- "Panel - management of prolactinomas." May 10, 1986
Texas Medical Association
Annual Meeting
Symposium on Office Management of Common Pituitary Disorders
Dallas, Texas
- "Corticomotor evoked potentials in blunt spinal cord injury in the rat -
Acute, chronic, and electrophysiologic studies." June 16, 1986
Purdue University
West Lafayette, Indiana
- "Treatment of experimental stroke with opiate antagonist WIN 44, 441-3.
Effects on neurologic function, infarct size, and survival." July 10, 1986
International Narcotics Research Conference
San Francisco, California
- "Endogenous opioid peptides and cerebral ischemia." Jan 22, 1987
Neuroscience Seminar
Department of Neurobiology and Anatomy
The University of Texas Health Science Center
Houston, Texas
- "Medical vs. surgical therapy for prolactinomas." May 16, 1987
Texas Medical Association
Annual Meeting
Symposium on Pituitary Disorders
Houston, Texas
- "Deep brain stimulation for pain control." Nov 30, 1987
Materials Research Society
1987 Meeting
Boston, Massachusetts
- "Pituitary tumors: Surgical management including prolactinomas." May 14, 1988
Texas Medical Association
Annual Meeting
San Antonio, Texas
- "Opioid peptides in focal cerebral ischemia in the cat." Nov 17, 1988
Society for Neuroscience
Annual Meeting
Toronto, Canada
- "Bromocriptine and pituitary fibrosis: Current status." May 13, 1989
Texas Medical Association
Annual Meeting
Symposium on Pituitary Disorders
Fort Worth, Texas

- "Surgical management of craniopharyngioma."
Texas Medical Association
Annual Meeting
Symposium on Pituitary Disorders
Corpus Christi, Texas
May 12, 1990
- "Treatment of subarachnoid hemorrhage."
Symposium on Cerebral Ischemia
Miles Pharmaceuticals
San Antonio, Texas
June 30, 1990
- "Advances in the treatment of spinal cord injury - The NASCIS II Study."
Texas Medical Association
Annual Meeting
Dallas, Texas
May 10, 1991
- "Advances in microsurgery."
Galleria Chamber of Commerce
Doubletree Hotel
Houston, Texas
May 24, 1990
- "Challenges of pituitary surgery."
Pituitary Society of Houston
Houston, Texas
Oct 16, 1991
- Interview - Spinal Microsurgery
Good Morning Houston
TV Channel 13
Houston, Texas
Feb 21, 1992
- "Brain Death: Structure, Biochemistry, and Implications for the Clinician."
Fort Worth Neuroscience Society
Fort Worth, Texas
March 18, 1992
- "Advances in microsurgery."
West Houston Business Club
Hyatt Hotel
Houston, Texas
April 28, 1992
- "Pituitary tumors."
American Association of Neuroscience Nurses
Marriott Medical Center Hotel
Houston, Texas
Sept 17, 1992
- "Resuscitation of central nervous system center"
The Associated Alumni of the Mount Sinai Medical Center
Science Fiction or Scientific Fact?"
New York, New York
April 17, 1993

- “Endocrinologically active pituitary adenomas”
The Congress of Neurological Surgeons
Annual Meeting, Luncheon Seminar
Vancouver, British Columbia
Oct 6, 1993
- "Brain tumors"
18th Annual Review Course in Family Medicine
Baylor College of Medicine
Houston, Texas
April 26, 1994
- "Evaluation and treatment of traumatic brain injury"
San Antonio Neurological Society
San Antonio, Texas
Jan 26, 1995
- "Brain tumors"
19th Review Course in Family Medicine
Baylor College of Medicine
Houston, TX
April 18, 1995
- "Treatment of traumatic brain injury - head injury and
subarachnoid hemorrhage"
Third Annual Rio Grande Valley Medical Education Conference
Knapp Medical Center
Westlaco, TX
April 28, 1995
- "Controversies in pituitary surgery"
Annual Meeting
Congress of Neurological Surgeons
San Francisco, California
Oct 19, 1995
- "Advances in microsurgery of the brain"
Medical Symposium 1996
Manama, Bahrain
March 24, 1996
- "Advances in neurosurgery"
Annual Medical Conference of the Central Arab Emirates
Abu Dhabi, United Arab Emirates
March 26, 1996
- "Brain tumors"
20th Review Course in Family Medicine
Baylor College of Medicine
Sheraton Astrodome
Houston, Texas
April 23, 1996

- "Cranio-cerebral injury" April 25, 1996
Fourth Annual Rio Grande Valley Medical Education Conference
Knapp Medical Center
McAllen, Texas
- "Neuroprotective effects of kappa opioids in focal cerebral ischemia and closed head injury" April 30, 1996
Annual Meeting
American Association of Neurological Surgeons
Minneapolis, Minnesota
- "K opioids, Brain edema and ADH" July 23, 1996
International Narcotics Research Conference
Long Beach, California
- "Head injury and subarachnoid hemorrhage: New Methods and Management" Nov 5, 1996
Fall Surgery Conference
Citizens Medical Center
Victoria, Texas
- "Outpatient lumbar microdiscectomy - A safe and effective procedure" March 20, 1997
North American Spine Society and the
Japanese Spine Society
Maui, Hawaii
- "Brain tumors: April 30, 1997
21st Annual Family Medicine Review Course
Baylor College of Medicine
Sheraton Astrodome
Houston, Texas
- "Outpatient lumbar microdiscectomy - A safe and effective procedure" May 31, 1997
Annual Meeting of the Society of University Neurosurgeons
Ann Arbor, MI
- "A novel approach for detection of apoptotic damage" March 27, 1998
Society of University Neurosurgeons
Memphis, Tennessee
- "Apoptosis in CNS disease" July 17, 1998
Symposium, Department of Neurosurgery
University of California at San Francisco
San Francisco, California
- "Apoptosis" Oct 26, 1998
Review and Update in Neurobiology for Neurosurgeons
Woods Hole, Massachusetts

- “Simultaneous detection of apoptotic and necrotic damage in brain” Nov 11, 1998
Society for Neuroscience
Annual Meeting
Los Angeles, California
- “Novel technologies for imaging apoptosis” Jan 9, 1999
Visiting Professor Lecture
Department of Neurosurgery
State University of New York Health Science Center
Syracuse, New York
- “Simultaneous detection of apoptotic and necrotic cell death in experimental stroke” March 17, 1999
Society of University Neurosurgeons
Melbourne, Australia
- “Detection of apoptotic DNA damage in live cells using fluorescence resonance energy transfer – development of molecular chameleons” March 19, 1999
Society of University Neurosurgeons
Port Douglas, Australia
- “Low back pain – when will surgery help (and what to do when it won’t)?” April 23, 1999
23rd Annual Family Medicine Review Course
Baylor College of Medicine
Sheraton Astrodome
Houston, Texas
- “Neurosurgical treatment of neurofibromatosis” Sept 11, 1999
The Texas Neurofibromatosis Foundation
Houston, Texas
- “A novel approach to analyze DNA damage in brain using vaccinia topoisomerase I” Oct 25, 1999
Society for Neuroscience
Annual Meeting
Miami Beach, Florida
- “Head trauma, seizure disorders & neurologic assessment” May 12, 2000
8th Annual Rio Grande Valley Medical Education Conference
South Padre Island, Texas
- “Apoptosis in glial tumors: Paradoxical results and new insights” June 16, 2000
Society of University Neurosurgeons
Annual Meeting
Boston, Massachusetts

- “Glioblastomas Induce Apoptosis of Invading T-lymphocytes”
Annual Meeting
American Association of Neurological Surgeons
Toronto, Ontario Canada
April 23, 2001
- “Apoptosis of T-lymphocytes Invading Glioblastoma -
A Novel Demonstration of Tumor Counter Immune Attack”
Society of University Neurosurgeons
Annual Meeting
Portland, Oregon
June 19, 2001
- "ACDFP with Cornerstone-SR (Allograft and Plate: rhBMP-2 vs. Autograft)."
American Association of Neurological Surgeons
and Congress of Neurological Surgeons
Section on Disorders of the Spine and Peripheral Nerves
Annual Meeting
Orlando, Florida
Feb 19, 2002
- “Novel Treatment for Glioblastoma Multiforme
Using Targeted Delivery of Cellular Toxins.”
Society of University Neurosurgeons
Annual Meeting
Chicago, Illinois
June 28, 2002
- “Novel Treatment For Glioblastomas Using
Targeted Delivery Of Cellular Toxins”
Society for Neuroscience
Annual Meeting
Orlando, Florida
Nov 6, 2002
- “Targeted Therapy of Glioblastoma Using
Selective Delivery of Toxins and Immunogens”
Society of University Neurosurgeons
Annual Meeting
New York, New York
June 24, 2003
- “Non-Viral Treatment of Glioblastomas Using
Selective Targeted Intranuclear Delivery Of Toxins”
Cancer Center Symposium
The Methodist Hospital
Houston, Texas
Nov 7, 2003
- “Targeted Therapy of Glioblastoma Using
Immunogens Delivered via Polyethyleneimine”
Society for Neuroscience
Annual Meeting
New Orleans, Louisiana
Nov 11, 2003

- “Failure of a Porous Tantalum Cervical Interbody Fusion Device: Two Year Results from a Prospective Randomized Multi-Center Clinical Study”
Cervical Spine Research Society
Annual Meeting
Boston, Massachusetts Dec 10, 2004
- “Nanotechnology for Treatment of Neurosurgical Disease”
Society of University Neurosurgeons
Annual Meeting
San Diego, California March 19, 2006
- “B-Cells from Non-Verbal Autism Patients Have Elevated Levels of Spontaneous Apoptosis Compared to Verbal Autism and Control Patients”
International Meeting for Autism Research
Montreal, Canada June 2, 2006
- “Endoscopic Neurosurgery and Minimally Invasive Brain Surgery”
Methodist Neurological Institute Grand Rounds Feb 16, 2007
- “Quantum Dots”
Society of Neurological Surgeons
Annual Meeting
San Francisco, CA May 6, 2007
- “Advances in Endoscopic Neurosurgery”
Methodist Neurological Institute
Post Graduate Course
3rd Annual Advances in Neurology
Houston, Texas Sept 7, 2007
- “Decorin Mediated Decrease of Semaphorin and Neuropilin Expression in Glioma Cells”
Society for Neuroscience
Annual Meeting
San Diego, CA Nov 6, 2007
- “Semaphorins Control Tumor Migration and Invasion in Glioblastoma and Malignant Meningioma – A Novel New Therapeutic Target”
Society of University Neurosurgeons
Annual Meeting
San Francisco, CA July 2, 2008
- “Wide Spread Panic: Addressing Vaccine Safety and the Rise of Autism”
National Association of Children's Hospitals
Creating Connections Conference, Nashville, TN March 23, 2009

- “The RNA Binding Protein HuR is a Primary Regulator of Growth in Gliomas - A Potential New Therapeutic Target”
Congress of Neurological Surgeons
Annual Meeting
New Orleans, LA Oct 27, 2009
- “Image Guidance, Robotics and Virtual Surgery on CNS Malignancies”
2nd International Computational Surgery Symposium
The Methodist Hospital
Houston, TX Dec 04, 2009
- “Detection of DNA Damage using Oligonucleotide Probes A New Approach to CNS Disease”
Third Annual Texas Neurosurgery Residency Training Programs Conference
San Antonio, Texas Jan 10, 2010
- “Image Guided Neurosurgery”
5th Annual Neuroscience Nursing Symposium
The Methodist Hospital
Houston, TX Feb 12, 2010
- “Chemotherapy Specific Nuclear and Mitochondrial DNA Damage- A Novel Approach to Personalized Chemotherapy Including Mitochondrial Targeting”
Society of University Neurosurgeons
Miami, Florida March, 23, 2010
- “Principles of Neurosurgical Intervention”
Clinical Correlate Lectures
1st Year Medical Students
University of Texas Health Science Center Medical School
Houston, TX March 31, 2010
- “Management of Pituitary-Hypothalamic Disease”
Clinical Correlate Lectures
1st Year Medical Students
University of Texas Health Science Center Medical School
Houston, TX April 16, 2010
- “Studies of Environmental Toxins in Cultured Lymphoblasts Of Children with Autism, Their Siblings, and External Controls-A Multifactorial Analysis”
Children’s Environmental Health Institute
Sixth Biennial Scientific Symposium
Seabrook, TX Oct 22, 2010

- “MP-MUS (I): A Novel MAO-B Activated Pro-Drug which Specifically Targets and Destroys Gliomal Mitochondria’
American Academy of Neurological Surgery
Annual Meeting
Pebble Beach, CA Nov 06, 2010
- “Novel Technology for Detection of DNA Damage-
Application to Clinical Neuroscience and Neurosurgery”
Keynote Speaker, 5th International Conference of Neurosurgery
Shanghai, China Nov 20, 2010
- “Targeting Glioblastoma with Chemotherapeutic Drugs
A Nanotech Approach”
Fourth Annual Texas Neurosurgery Residency
Training Programs Conference
Houston, TX Feb 05, 2011
- “Introduction to Neurosurgery”
Clinical Correlate Lectures
1st Year Medical Students
University of Texas Health Science Center Medical School
Houston, TX March 30, 2011
- “Hades Trident Therapy: Application of Antibody Guided
Nanosyringes in the Treatment of Glioblastoma”
American Academy of Neurological Surgery
Annual Meeting
Scottsdale, AZ October 20, 2011
- Baskin, David S. November, 15, 2011
Mercury and Hormone Disruptors: A Study of Autistic Lymphocytes
Children's Health: Environmental Contributors to
Developmental and Intellectual Disabilities
Dell Children’s Medical Center of Central Texas
Signe Auditorium, Pat Hayes Conference Center
Austin, TX
- Baskin, David S
“Hormone disruptors and Neurodevelopmental Disorders:
Are Pesticides the Etiology?”
Fifth Annual Texas State Neurosurgery Conference
Hotel Zza Zza
Houston, Texas January 15, 2012

- Baskin, David S. March 19, 2012
 “HADES: Antigen Targeted Superselective
 Nano-Syringes for the Treatment of Glioblastoma”
 Society of University Neurosurgeons
 Atlanta, Georgia
- Baskin, David S. March 28, 2012
 Introduction to Neurosurgery
 1st Year Medical Student Class
 University of Texas, Houston
 Houston, Texas
- Baskin, DS, Livingston, A, Sharpe, M. October 20, 2012
 Novel Nanovector Nanosyringe Delivered Drug Pump Inhibitors
 (Cerebrus) Potentiate the Action of Nanovector-Delivered Chemotherapy
 (HADES) in Cultured Primary Human Glioblastoma
 American Academy of Neurosurgery 74th Annual Meeting
 Chatham/Cape Cod, Massachusetts
- Targeted Mitochondrial Chemotherapy for Treatment of Cancer January 26, 2013
 Sixth Annual Texas Neurosurgery Residency Training Programs
 Conference
 Houston, Texas
- Neuroscience, Anatomy, and Technology February 8, 2013
 A View of the Future
 Senior Honors Neuroscience Class
 St. John’s School
 Houston, Texas
- Baskin, David S. February 15, 2013
 Image Guided Neurosurgery
 Wisdom from the Field
 Neuroscience Nursing Conference
 Innovations for Clinical Practice 2013
 Houston, Texas
- Baskin, David S. March 28, 2013
 Introduction to Neurosurgery
 1st Year Medical Student Class
 University of Texas, Houston
 Houston, Texas
- Transsphenoidal Surgery-How I Do It April 28, 2013
 Practical Clinic-Practical and Technical Aspects of Transsphenoidal Surgery
 American Association of Neurological Surgeons Annual Meeting
 New Orleans, Louisiana

<p>Pituitary Tumors Breakfast Seminar Panelist American Association of Neurological Surgeons Annual Meeting New Orleans, Louisiana</p>	<p>April 29, 2013</p>
<p>Intracranial Pressure in Space Panelist with Astronauts and Cosmonauts International Space Medicine Summit, 2013 Baker Institute for Public Policy Rice University Houston, Texas</p>	<p>May 18, 2013</p>
<p>Treatment of brain cancers with targeted nanosyringes for superselective delivery and inhibition of cellular pumps American Academy of Neurosurgery Newport Beach, California</p>	<p>September 26, 2013</p>
<p>21st Century Neurosurgery-Advances in Treatment for Brain Tumors Central Houston Rotary Club Houston City Club Houston, Texas</p>	<p>January 23, 2014</p>
<p>Meeting and Grant Reviews Visual Impairment/Intracranial Pressure Research and Clinical Advisory Panel National Aeronautics and Space Administration (NASA)</p>	<p>February 20, 2014</p>
<p>Grant Reviews NASA/NSBRI Grant Review Panel Visual Impairment Intracranial Pressure NASA Research and Education Support Services Crescent City, Virginia</p>	<p>March 14, 2014</p>
<p>NASA Medical Operations Group Intracranial Pressure in Space Medical Assessment of a Returning Astronaut From the International Space Station including Lumbar Puncture</p>	<p>March 19, 2014</p>
<p>Novel Technology for Treatment of Brain Tumors Oncology Grand Rounds Methodist Cancer Center Houston, Texas</p>	<p>April 1, 2014</p>

- “Transsphenoidal Surgery-How I Do It” April 5, 2014
Practical Course
Transsphenoidal Surgery
American Association of Neurological Surgeons
Annual Meeting
San Francisco, California
- From the Lab to the Clinic: New Concepts and Strategies October 25, 2014
For the Future
Image Guided Therapy Seminar,
Houston Methodist Research Institute
Houston, Texas
- “Transsphenoidal Surgery-How I Do It” May 2, 2015
Practical Course
Transsphenoidal Surgery
American Association of Neurological Surgeons
Annual Meeting
San Francisco, California
- Phase II Multicenter Study of Gene Mediated Cytotoxic Immunotherapy May 31, 2015
as Adjuvant to Surgical Resection for Newly Diagnosed Malignant Glioma,
American Society of Clinical Oncology Meeting,
Annual Meeting
Chicago, Illinois
- “Nanosyringes and Mitochondrial Chemotherapy for Glioblastoma”, October 2, 2015
2nd Annual Symposium on Image Guided Therapies:
Opportunities for a Translational Approach Across Disciplines
Houston Methodist Hospital, Houston, Texas
- “HSVtk and Radiation for Glioblastoma”, October 3, 2015
2nd Annual Symposium on Image Guided Therapies:
Opportunities for a Translational Approach Across Disciplines
Houston Methodist Hospital, Houston, Texas

ABSTRACTS

- Baskin DS, Mehler W, Hosobuchi Y, Richardson D, Adams J, Flitter M: April 1980
 Cartography of periaqueductal gray stimulation in humans.
 Annual Meeting
 American Association of Neurological Surgeons
 New York, New York
- Newfield P, Litt L, Baskin DS, Boggan J, Wilson CB: March 1981
 Anesthetic considerations for acromegalic patients.
 Annual Meeting
 Southern Society of Anesthesiologists
 New Orleans, Louisiana
- Baskin DS, Boggan JE, Wilson CB: April 1981
 Transsphenoidal removal of growth-hormone secreting pituitary adenomas:
 A review of 137 cases.
 Annual Meeting
 American Association of Neurological Surgeons
 Boston, Massachusetts
- Hosobuchi Y, Baskin DS, Woo S, Loh HH: July 1981
 The opiate antagonists naloxone reverses the ischemic neurologic
 deficit produced by unilateral carotid ligation in gerbils.
 International Narcotic Research
 Annual Meeting
 Kyoto, Japan
- Hosobuchi Y, Baskin DS, Woo S, Loh HH: Oct 1981
 The opiate antagonist naloxone reverses the ischemic neurologic
 deficit produced by unilateral carotid ligation in gerbils.
 Society for Neuroscience
 11th Annual Meeting
 Los Angeles, California
- Baskin DS, Hosobuchi Y: Feb 1982
 Naloxone reversal of ischemic neurological deficits.
 Federation of Western Societies of Neurological Science
 Annual Meeting
 San Diego, California
- Baskin DS, Kieck CF, Hosobuchi Y: April 1982
 Naloxone reversal of ischemic neurological deficits:
 Clinical and experimental studies.
 American Association of Neurological Surgeons
 Annual Meeting
 Honolulu, Hawaii

- Baskin DS, Kieck CF, Hosobuchi Y: June 1982
 Naloxone reversal of ischemic neurologic deficits in baboons
 is not mediated by systemic effects.
 International Narcotics Research Conference
 Falmouth, Massachusetts
- Levy RM, Baskin DS, Kaufman L, Hosobuchi Y: Nov 1982
 Serial changes in NMR images of acute experimental cerebral ischemia:
 Time course and effects of dexamethasone, morphine, and naloxone.
 Society for Neurosciences
 12th Annual Meeting
 Minneapolis, Minnesota
- Baskin DS, Wilson CB: April 1983
 Transsphenoidal treatment of non-neoplastic intrasellar cysts:
 A report of 38 cases.
 American Association of Neurological Surgeons
 Annual Meeting
 Washington, D.C.
- Baskin DS, Hosobuchi Y: April 1984
 Treatment of experimental focal cerebral ischemia with opiate agonists and
 antagonists: Effects on neurological function, infarct size, and survival.
 American Association of Neurological Surgeons
 Annual Meeting
 San Francisco, California
- Baskin DS, Kuroda H, Hosobuchi Y, Lee NM: July 1984
 Treatment of stroke with opiate antagonists - Effects of exogenous
 antagonists and dynorphin 1-13.
 International Narcotic Research Conference
 Cambridge, England
- Venger BH, Baskin DS: June 1985
 Isolated C-2 staphylococcal osteomyelitis without neurological deficit.
 Rocky Mountain Neurosurgical Society, Inc.
 20th Annual Meeting
 Banff, Alberta, Canada
- Simpson RK, Baskin DS: Feb 1986
 Corticomotor evoked potentials in acute spinal cord injury.
 American Association of Neurological Surgeons and Congress of
 Neurological Surgeons
 Annual Meeting
 Joint Section on Spinal Disorders
 San Diego, California

- Baskin DS, Wilson CB: Feb 1986
Surgical management of craniopharyngiomas: A review of 74 cases.
Southern Neurosurgical Society
Annual Meeting
Boca Raton, Florida
- Baskin DS, Simpson RK: June 1986
Corticomotor evoked potentials in blunt spinal cord injury in the rat:
Acute, chronic, and electrophysiologic studies.
International Symposium on Motor Evoked Potentials
Purdue University
West Lafayette, Indiana
- Baskin DS, Hosobuchi Y: July 1986
Treatment of experimental stroke with the opiate antagonists WIN 44,441-3:
Effects on neurologic function, infarct size, and survival.
International Narcotics Research Conference
San Francisco, California
- Baskin DS: Dec 1986
Pharmacology of acute spinal cord injury .
Restorative neurology and the comprehensive rehabilitation of the spinal cord
injured patient.
Post Graduate Course
Baylor College of Medicine
Houston, Texas
- Baskin DS: May 1987
Medical versus surgical therapy for prolactinomas
Texas Medical Association
Annual Session
Houston, Texas
- Simpson RK, Baskin DS: Sept 1987
Electrophysiological characteristics of corticomotor evoked potentials in the rat.
American College of Surgeons
Surgical Forum
San Francisco, California
- Swihart AA, Pirozzolo FJ, Baskin DS, Appel SH: Oct 1987
Somatostatin and cognitive dysfunction in Alzheimer's disease.
American Neurological Association
Annual Meeting
San Francisco, California

- Hayman LA, McCardle C, Taber K, Baskin DS, et al.: Nov 1987
The role of clot formation in MR of blood.
Radiological Society of North America
Annual Meeting
- Baskin DS, Wilson CB: April 1988
Surgical management of craniopharyngiomas: A review of 74 cases.
Current Surgery 45:148
- Hayman LA, McCardle C, Taber K, Baskin DS, et al.: May 1988
The role of clot formation in MR of blood.
American Society of Neuroradiology
- Baskin DS, Browning JL: Nov 1988
Opioid peptides in focal cerebral ischemia in the cat.
Society for Neuroscience
Annual Meeting
- Baskin DS: May 1989
Bromocriptine and pituitary fibrosis: Current status
Texas Medical Association
Annual Meeting
- Goodman JC, Baskin DS: June 1989
The neuropathological spectrum of angioliipoma.
American Association of Neuropathology
Annual Meeting
- Browning JL, Heizer ML, Baskin DS: Oct 1989
Effects of anesthetic agents and arterial PCO₂ in focal cerebral ischemia.
Society for Neuroscience
Annual Meeting
- Baskin DS: May 1990
Surgical management of craniopharyngiomas.
Texas Medical Association
Annual Meeting
- Browning JL, Heizer ML, Baskin DS: Oct 1990
Effects of physiological parameters on motor and sensory evoked potentials.
Society for Neuroscience
Annual Meeting
- Widmayer MA, Browning JL, Baskin DS: Oct 1991
Dynorphin A (1-13) improves outcome following
three vessel occlusion in the cat.
Society for Neuroscience
Annual Meeting

- Widmayer MA, Browning JL, Baskin DS: Oct 1992
U50488 reduces the severity of tissue damage in a rabbit model of focal cerebral ischemia.
Society for Neuroscience
Annual Meeting
- Browning JL, Turner TD, Widmayer MA, Baskin DS: Oct 1992
The penetration of dynorphin 1-13 across the blood brain barrier.
Society for Neuroscience
Annual Meeting
- Browning, JL Widmayer MA, Hoffman KK, Baskin DS: Oct 1993
The effect of time after occlusion on injury volume in a rabbit model of focal cerebral ischemia.
Society for Neuroscience
Annual Meeting
- Baskin DS, Browning JL, Widmayer MA, Heizer M: April 1994
Kappa opioid agonists increase survival, improve neurological function and reduce tissue damage and edema in focal cerebral ischemia.
American Association of Neurological Surgeons
Annual Meeting
San Diego, CA
- Browning JL, Turner TD, Widmayer MA, Baskin DS: Nov 1994
Kappa opioids and vasopressin (AVP)
Society for Neuroscience
Annual Meeting
Miami Beach, FL
- Widmayer MA, Browning JL, Turner TD, Baskin DS: Nov 1994
Multiple boluses of dynorphin improve outcome following focal cerebral ischemia in the cat.
Society for Neuroscience
Annual Meeting
Miami Beach, FL
- Hoffman KK, Browning JL, Widmayer MA, Baskin DS: Nov 1995
Mechanism of kappa opioids in cerebral ischemia:
Studies in the vasopressin (AVP) deficient rat
Society for Neuroscience
Annual Meeting
San Diego, CA

- Browning JL, Widmayer MA, Baskin DS: Nov 1995
 Mechanism of kappa opioids in cerebral ischemia:
 Reduction of cerebral edema
 Society for Neuroscience
 Annual Meeting
 San Diego, CA
- Baskin DS, Robertson CS, Browning JL, Gopinath S, Widmayer MA: April 1996
 Neuroprotective effects of kappa opioids in focal cerebral ischemia
 and closed head injury
 American Association of Neurological Surgeons
 Annual Meeting
 Minneapolis, Minnesota
- Baskin DS, Widmayer MA, Browning JL: July 1996
 κ opioids, brain edema, and ADH
 International Narcotics Research Conference
 Long Beach, California
- Widmayer MA, Browning JL, Keck JM, Baskin DS: Nov 1996
 Time course of edema development in the rabbit three vessel
 occlusion model.
 Society for Neuroscience
 Annual Meeting
 Washington, D.C.
- Baskin DS, Browning JL, Widmayer MA: Nov 1996
 Dynorphin 1-13 crosses the blood-brain barrier following
 cerebral ischemia in cats.
 Society for Neuroscience
 Annual Meeting
 Washington, D.C.
- Baskin DS, Zhang YJ, Saxe ME: Feb 1997
 Outpatient lumbar microdiscectomy -
 A safe and effective procedure
 Joint Section on Disorders of the Spine and Peripheral Nerves
 Annual Meeting
 Newport Beach, California
- Baskin DS, Zhang YJ, Saxe ME: March 1997
 Outpatient lumbar microdiscectomy -
 A safe and effective procedure
 North American Spine Society and the
 Japanese Spine Research Society
 Maui, Hawaii

- Baskin DS, Zhang YJ, Saxe ME: May 1997
 Outpatient lumbar microdiscectomy -
 A safe and effective procedure
 Society of University Neurosurgeons
 Ann Arbor, Michigan
- Baskin DS, Zhang YJ, Widmayer M: Feb 1998
 c-Fos antisense oligonucleotide administration prior
 to cerebrovascular occlusion exacerbates tissue damage
 American Heart Association - Joint Conference on Stroke
 and Cerebrovascular Disease
 Orlando, Florida
- Baskin DS, Didenko V, Boudreaux D: March 1998
 A novel approach for detection of apoptotic damage
 Society of University Neurosurgeons
 Memphis, Tennessee
- Didenko V, Baskin DS, Boudreaux D: April 1998
 Novel technology for the detection of apoptotic damage
 Houston Society for Engineering in Medicine and Biology
 Houston, Texas
- Zhang YJ, Widmayer MA, Zhang BX, Cui J, Liu PK, Baskin DS: April 1998
 Suppression of ischemia-induced Fos expression by an antisense
 oligonucleotide to c-fos mRNA leads to increased tissue damage
 American Association of Neurological Surgeons
 Annual Meeting
 Philadelphia, Pennsylvania
- Didenko VV, Boudreaux DJ, Widmayer MA, Baskin DS: Nov 1998
 Simultaneous detection of apoptotic and necrotic damage in brain
 Society for Neuroscience
 Annual Meeting
 Los Angeles, California
- Baskin DS, Boudreaux DJ, Widmayer MA, Didenko VV: March 1999
 Simultaneous detection of apoptotic and necrotic
 cell death in experimental stroke
 Society of University Neurosurgeons
 Melbourne, Australia
- Baskin DS, Brizollara R, Zhang BX, Ngo H, Didenko VV: March 1999
 Detection of apoptotic DNA damage in live cells using
 fluorescence resonance energy transfer – development of molecular chameleons
 Society of University Neurosurgeons
 Port Douglas, Australia

- Baskin DS, Didenko VV: Oct 1999
 A novel approach to analyze DNA damage in brain
 using vaccinia topoisomerase I
 Society for Neuroscience
 Annual Meeting
 Miami Beach, Florida
- Didenko VV, Zhang B, Ngo HN, Baskin DS: Oct 1999
 Detection of apoptotic DNA damage in live cells using fluorescence
 resonance energy transfer - development of molecular chameleons
 Society for Neuroscience
 Annual Meeting
 Miami Beach, Florida
- Baskin DS, Ngo H, Frankel B, Didenko VV: June 2000
 Apoptosis in glial tumors: Paradoxical results and new insights
 Society of University Neurosurgeons
 Annual Meeting
 Boston, Massachusetts
- Baskin DS, Ngo HN, Didenko VV: Nov 2000
 Apoptosis in glial tumors: Paradoxical results and new insights
 Society for Neuroscience
 Annual Meeting
 New Orleans, Louisiana
- Didenko VV, Ngo HN, Baskin DS: Nov 2000
 Switch from caspase 3-dependent to caspase 3-independent
 apoptosis in focal brain ischemia
 Society for Neuroscience
 Annual Meeting
 New Orleans, Louisiana
- Baskin DS, Minchew C, Ngo H, Didenko VV: June 2001
 Apoptosis of T-lymphocytes invading glioblastoma -
 A novel demonstration of tumor counter immune attack
 Society of University Neurosurgeons
 Annual Meeting
 Portland, Oregon
- Lynch J, Baskin DS, Ryan P, Westmark R, Bartolomei J, Theodore N, Sonntag V: Nov 2001
 ACDFP with Cornerstone-SR allograft and plate: rhBMP-2 vs. autograft
 North American Spine Society
 Annual Meeting
 Seattle, Washington

- Baskin DS, Minchew C, Ngo H, Didenko VV: Nov 2001
 Apoptosis of T-lymphocytes invading glioblastoma –
 A novel demonstration of tumor counter immune attack
 Society for Neuroscience
 Annual Meeting
 San Diego, California
- Didenko VV, Ngo H, Minchew C, Boudreaux D, Baskin DS: Nov 2001
 Novel approach for selective visualization of
 lethally damaged cells in focal brain ischemia
 Society for Neuroscience
 Annual Meeting
 San Diego, California
- Lynch J, Baskin DS, Ryan P, Westmark R, Bartolomei J, Theodore N, Sonntag V: Nov 2001
 ACDFP with Cornerstone-SR allograft and plate: rhBMP-2 vs. autograft
 Cervical Spine Research Society
 Annual Meeting
 Monterey, California
- Baskin DS, Ryan P, Westmark R, Lynch J, Bartolomei J, Theodore N, Sonntag V: Feb 2002
 ACDFP with Cornerstone-SR (Allograft and Plate: rhBMP-2 vs. Autograft).
 American Association of Neurological Surgeons
 and Congress of Neurological Surgeons
 Section on Disorders of the Spine and Peripheral Nerves
 Annual Meeting
 Orlando, Florida
- Baskin DS, Widmayer MA, Ngo H, Didenko VV: June 2002
 Novel Treatment for Glioblastoma Multiforme
 Using Targeted Delivery of Cellular Toxins.
 Society of University Neurosurgeons
 Annual Meeting
 Chicago, Illinois
- Songer M, Baskin DS, Kabins M, Reynolds A, Zak P: Oct 2002
 Prospective randomized comparison of Proosteon 200
 Coralline Hydroxyapatite bone graft substitute vs.
 iliac crest autografts in anterior cervical fusions
 North American Spine Society
 Annual Meeting
 Montreal, Canada
- Baskin DS, Widmayer MA, Ngo H, Didenko VV: Nov 2002
 Novel Treatment For Glioblastomas Using
 Targeted Delivery Of Cellular Toxins
 Society for Neuroscience
 Annual Meeting
 Orlando, FL

- Lowenthal B and the PROLONG Study Group: Nov 2002
 PROLONG: Preliminary Report of a New Outcomes Registry
 for Patients Treated with GLIADEL Wafer:
 Society for Neuro-Oncology
 Annual Meeting
 San Diego, CA
- Baskin DS, Ngo H, Widmayer MA, Didenko VV: June 2003
 Targeted Therapy of Glioblastoma using
 Selective Delivery of Toxins and Immunogens
 Society of University Neurosurgeons
 Annual Meeting
 New York, NY
- Baskin DS, Fewell K, Ngo H, Zhang B, Widmayer M, Didenko V: Nov 2003
 Targeted Therapy of Glioblastoma Using
 Immunogens Delivered via Polyethyleneimine
 Society for Neuroscience
 Annual Meeting
 New Orleans, LA
- Baskin DS, Ngo HN, Didenko VV: Oct 2004
 Thimerosal Induces DNA Breaks, Caspase-3 Activation, Membrane
 Damage and Cell Death in Cultured Human Cells
 Society for Neuroscience
 Annual Meeting
 San Diego, CA
- Baskin DS, Traynelis V: Dec 2004
 Failure of a Porous Tantalum Cervical Interbody
 Fusion Device: Two Year Results from a Prospective
 Randomized Multi-Center Clinical Study
 Cervical Spine Research Society
 Annual Meeting
 Boston, MA
- Baskin DS, Ngo HN, Didenko VV: March 2006
 Nanotechnology for Treatment of Neurosurgical Disease
 Society of University Neurosurgeons
 Annual Meeting
 San Diego, California
- Baskin DS, Minchew C, Didenko VV: June 2006
 B-Cells from Non-Verbal Autism Patients
 Have Elevated Levels of Spontaneous Apoptosis
 Compared to Verbal Autism and Control Patients
 International Meeting for Autism Research
 Montreal, Canada

- Baskin DS, Jeromin AJ: May 2007
Quantum Dots
Society of Neurological Surgeons
Annual Meeting
San Francisco, CA
- Bournat JC, Baskin DS: Nov 2007
Decorin Mediated Decrease of Semaphorin
and Neuropilin Expression in Glioma Cells
Society for Neuroscience
Annual Meeting
San Diego, CA
- Baskin DS, Lopez S, Bournat JC: July 2008
Semaphorins Control Tumor Migration and Invasion
in Glioblastoma and Malignant Meningioma –
A Novel New Therapeutic Target
Society of University Neurosurgeons
Annual Meeting
San Francisco, CA
- Chiocca, EA, Kaur B, Hardcastle J, Bell S, Cavaliere R,
Lo S, Badie B, Portnow J, Monterroso C, Aguilar LK,
Aguilar-Cordova E, Baskin D, Trask T, New P: October 2009
Phase I/II Results of AdV-tk Gene Mediated Cytotoxic
Immunotherapy - Adjuvant to Standard Upfront Surgery
and Chemoradiation for Malignant Glioma
Society for Neuro-Oncology
Annual Meeting
New Orleans, LA
- Voado E, Moisi MD, Dilorenzo DJ, Holman PJ, Zhang YJ,
Baskin DS, Rose JE, Grossman RG: October 2009
Decompressive Hemicraniectomy and Duraplasty for Ischemic Stroke
Congress of Neurological Surgeons
Annual Meeting
New Orleans, LA
- Baskin DS, Bolognani F: October 2009
The RNA Binding Protein HuR is a Primary Regulator
of Growth in Gliomas - A Potential New Therapeutic Target
Congress of Neurological Surgeons
Annual Meeting
New Orleans, LA

- Baskin, D., Sharpe, M. March, 2010
 Chemotherapy Specific Nuclear and Mitochondrial DNA Damage-
 A Novel Approach to Personalized Chemotherapy Including
 Mitochondrial Targeting
 Society of University Neurosurgeons
 Miami, Florida
- Baskin DS October 2010
 Studies of Environmental Toxins in Cultured Lymphoblasts
 Of Children with Autism, their Siblings, and
 External Controls-A Multifactorial Analysis”
 Children’s Environmental Health Institute
 Sixth Biennial Scientific Symposium
 Seabrook, TX
- Baskin, D., Sharpe, M November 2010
 MP-MUS (I): A Novel MAO-B Activated Pro-Drug which
 Specifically Targets and Destroys Gliomal Mitochondria
 American Academy of Neurological Surgery
 Annual Meeting
 Pebble Beach, CA
- Baskin, D.S. November 2010
 Novel Technology for Detection of DNA Damage-
 Application to Clinical Neuroscience and Neurosurgery
 Fifth International Conference of Neurosurgery
 Shanghai, China
- Kasliwal MK, Baskin DS, Traynelis VD October 2011
 Failure of Porous Tantalum Cervical Interbody Fusion Devices:
 Two-Year Results from a Prospective, Randomized,
 Multi-Center, Clinical Study
 Congress of Neurological Surgeons
 Annual Meeting
 Washington, DC
- Baskin DS, Marcano D, Tour J, Sharpe MA October 2011
 Hades Trident Therapy: Application of Antibody Guided
 Nanosyringes in the Treatment of Glioblastoma
 American Academy of Neurological Surgery
 Annual Meeting
 Scottsdale, AZ

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Phase 2 Study of Gene Mediated Cytotoxic Immunotherapy Adjuvant to Up-Front Surgery and Intensive Timing Radiation for Malignant Glioma
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- Baskin, David S. November 2011
Mercury and Hormone Disruptors: A Study of Autistic Lymphocytes
Children's Health: Environmental Contributors to Developmental and Intellectual Disabilities
Dell Children's Medical Center of Central Texas
Signe Auditorium, Pat Hayes Conference Center
4900 Mueller Blvd.
Austin, TX 78723
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Ahmed, N, Brawley, V., Diouf, O., Wakefield, A, Ashoori, A, Ghazi, A., Gerken, C., Yi, J., Liu, H., Rooney, C.M., Dotti, G, Gee, A, Grossman, RG, Kew, Y, Baskin, DS, Zhang, J, New, P., Hicks, J., Powell, SZ, Wels, W., Brenner, MK, Heslop, HE, Gottschalk, S “A Phase I Clinical Trial of Autologous HER2 CMV Bispecific CAR T Cells for Progressive Glioblastoma,” American Society of Clinical Oncology Meeting, Annual Meeting Chicago, Illinois May, 2015

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Martyn A. Sharpe & David S Baskin, OTT201001 (2011) Provisional - Preparation of labeled gelatin slices to act as absolute standards (phantoms) for tissue slices (TMH)

Martyn A. Sharpe & David S Baskin, OTT2010-22 (2011), Provisional - Chemotherapeutic compositions and methods for treating human gliomas, (TMH)

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CURRENT RESEARCH INTERESTS

BASIC RESEARCH

Molecular biology of pituitary and brain tumors, including the role of apoptosis.
Genetic Defects in Pituitary Tumors
The treatment of brain edema.
Gene transfer therapy for acute and chronic neural injury and cancer.
Detection of apoptosis *in vitro* and *in vivo*.
Novel technology for detection of DNA damage.
Nanotechnology for imaging, gene modification, and cancer treatment
Immunological interventions for malignant gliomas
Molecular Imaging
Pathophysiology of Autism
Novel Chemotherapeutic agents based on DNA damage targets
Mitochondrial targeted Chemotherapy
Nanotechnology and Nanosyringes for Treatment of Cancer

CLINICAL RESEARCH

Neuropeptide alterations in pituitary neoplasms.
Endoscopic pituitary surgery
Intraoperative 3 Dimensional endoscopy for resection of pituitary and skull base tumors.
Assessment of cervical spine fusion and instrumentation techniques.
Use of bone substitutes and bone morphogenetic protein in spine reconstruction.
P15 B2 Integrin Molecule to enhance Spinal Fusion
Technology development for minimally invasive neurosurgery
Gene therapy for cancer and neural injury
Radiosurgery for brain and spine lesions.
Minimally invasive brain surgery.
Targeted immunotherapy for Glioblastoma
Tumor Vaccines for Glioblastoma
Monoclonal antibodies for Glioblastoma
Gene therapy for Glioblastoma
Novel Therapy for Glioblastoma