CURRICULUM VITAE

Name: **Eben Alexander, III, M.D., F.A.C.S**.

Address: Charlottesville, Virginia, USA | info@ebenalexander.com

Date of Birth: December, 1953

Place of Birth: Charlotte, North Carolina

Education:

1972 Phillips Exeter Academy, Exeter, NH
1975 A.B. University of North Carolina at Chapel Hill
1980 M.D. Duke University School of Medicine, Durham, NC

Postdoctoral Training
Internship and Residencies:

1980-1981 Intern in General Surgery, Duke University Medical Center, Durham, NC

1981-1983 Resident in Neurological Surgery, Duke University Medical Center, Durham, NC

1985 Acting Resident in Neurology, Massachusetts General Hospital, Boston, MA

1985-1987 Resident in Neurological Surgery, Duke University Medical Center, Durham, NC

1987 Senior Registrar and Cerebrovascular Fellow, Neurosurgical Service, Newcastle General Hospital, Newcastle-Upon-Tyne, England, U.K.

1988-1990 Instructor in Surgery, Brigham & Women's Hospital, Harvard Medical School, Boston, MA

Research Fellowships:

1983-1985 Research Fellow in Neurosurgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA

1987 Research Fellow in Neurosurgery, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

Licensure and Certification:

1980 Residents Training License, North Carolina
1987 30888 North Carolina [Inactive December 2013]
1987 58762 Massachusetts License [Inactive Dec 2013]
2004 12520 New Hampshire License [inactive]
2005 0101239440 Virginia License [Renewed December 2014]
1991 91066 Diplomate, American Board of Neurological Surgery, November, 1991 [Maintenance of Certification Program 29301, Recertification due 12/31/2019]
1996 Inducted as a Fellow, American College of Surgeons (F.A.C.S.)

Academic Appointments:

1978-1979 Research Assistant, Neuroendocrinology, Duke University Medical Center, Durham, NC

1988-1990 Instructor in Surgery, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

1990-1994 Assistant Professor in Surgery (Neurosurgery), Harvard Medical School, Boston, MA

1990-2001 Assistant Professor in Radiation Therapy, Joint Center for Radiation Therapy, Harvard Medical School, Boston, MA

1994-2001 Associate Professor in Surgery (Neurosurgery), Harvard Medical School, Boston, MA

2001-2003 Associate Professor in Surgery (Neurosurgery), UMass Medical School, Worcester, MA

2004-2005 Consultant, Gerson Lehman, New York, NY

2008-2010 Clinical Director of the Brain Program, Focused Ultrasound Surgery Foundation, Charlottesville, VA

2008-2011 Assistant Professor of Research in Neurological Surgery, University of Virginia Medical School, Charlottesville, VA

2012 Research Director, The Monroe Institute, Faber, VA

Hospital Appointments:

1988-2003 Associate Surgeon, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

1988-2003 Associate Surgeon, The Children's Hospital, Harvard Medical School, Boston, MA

1988-2003 Associate Surgeon, Dana Farber Cancer Institute, Harvard Medical School, Boston, MA

1994-2001 Director of Stereotactic and Functional Neurosurgery, Brigham & Women's Hospital, Boston, MA

1998-2003 Clinical Associate in Neurosurgery, Massachusetts General Hospital Boston, MA

2001-2003 Active Staff, Department of Surgery, Division of Neurosurgery, University of Massachusetts Medical Center, Worcester, MA

2004-2005 Sabbatical

2004-2005 Corporate Consulting: Gerson Lehrman Group, New York, NY

2006-2007 Active Staff, Department of Surgery, Division of Neurosurgery, Lynchburg General Hospital-CentraHealth, Lynchburg, VA

Other Professional Positions and Major Visiting Appointments:

1978 Research Assistant in Neurosurgery, University of Minnesota School of Medicine
1980 Research Assistant in Pathology, Bowman Gray School of Medicine, Wake Forest University
1989 Visiting Lecturer and Panelist, Department of Neurosurgery, University of Virginia School of Medicine International Symposium on Stereotactic Radiosurgery
1989 Invited Lecturer, Neurology/Neurosurgery Grand Rounds, Harvard-Longwood Medical Area.
1989 Invited Faculty, Stereotactic Radiosurgery, Radionics Course in Stereotactic Techniques, Congress of Neurological Surgeons Meeting, Atlanta, GA
1989 Invited Lecturer, Nursing Grand Rounds, Brigham and Women's Hospital
1989 Invited Faculty, Luncheon Discussion Group on Stereotactic Radiosurgery, Congress of Neurological Surgeons Meeting, Atlanta, GA
1990 Co-Director, Panelist, Lecturer, Moderator, Harvard Medical School Continuing Education Course, Radiosurgery Update.
1990 Invited Lecturer and Consultant, Varian Corporation, Palo Alto, CA
1990 Invited Lecturer and panelist, Massachusetts General Hospital, Harvard Medical School, "Neurosurgery Update", post-graduate course
1990 Invited Lecturer, 14th annual New York Neurosurgery Symposium
1990 Invited Lecturer, Skull base tumor Workshop, Hannover, Germany
1990 Invited Lecturer, Framingham Union Hospital Medical Grand Rounds
1991 Invited Lecturer, Neurology/Neurosurgery Grand Rounds, Harvard-Longwood

Medical Area.
1991 Invited Consultant, General Electric Medical Imaging Systems, Milwaukee, WI
1991 Invited Lecturer, First International Symposium on MR-Guided Laser Interventions, Harvard Medical School
1991 Invited Lecturer, Providence Medical Center, Portland, OR
1991 International Organizing Committee, Invited Lecturer, Moderator, International Stereotactic Radiosurgery Symposium, University of Pittsburgh School of Medicine
1991 Invited Lecturer, Panelist, 9th European Congress on Neurosurgery, Moscow, USSR
1991 Invited Lecturer, German-Austrian Stereotactic Workshop, Finkenberg, Austria
1991 Invited Lecturer, Medical Grand Rounds, St. Anne's Hospital, New Bedford, MA
1991 Invited Lecturer, General Scientific Session, Congress of Neurological Surgeons, Orlando, FL
1991 Invited Lecturer, Boston Society of Neurology and Psychiatry, Boston, MA
1992 Invited Lecturer, Methodist Hospital Neurosurgical Grand Rounds, Indianapolis, IN
1992 Invited Lecturer, Pennsylvania State Neurosurgical Society, Philadelphia, PA
1992 Invited Lecturer, Practical Course, American Association of Neurological Surgeons, San Francisco, CA
1992 Invited Lecturer, Breakfast Seminar, American Association of Neurological Surgeons, San Francisco, CA
1992 Invited Consultant, General Electric Medical Imaging Systems, Milwaukee, WI
1992 Invited Lecturer, Neurology/Neurosurgery Grand Rounds, University of Massachusetts, Worcester, MA
1992 Invited Lecturer, Workshop on Stereotactic Techniques, European Society of Stereotactic and Functional Neurosurgery, Stockholm, Sweden
1992 Invited Lecturer, Symposium on Neuro-Radio-Surgery, Vienna, Austria
1992 Invited Lecturer and Panelist, Joint Section on Tumors Session, Congress of Neurological Surgeons, Washington, DC
1992 Invited Lecturer, Practical Course on Radiosurgery, Congress of Neurological Surgeons, Washington, DC
1992 Invited Lecturer and Panelist, Radiosurgery Course, American Society of Therapeutic Radiology and Oncology, San Diego, CA
1992 Invited Lecturer, Western Medical Center, Santa Ana, CA
1992 Invited Lecturer, Tumors of the Central Nervous System, Harvard Medical School, Department of Continuing Education, Boston, MA
1993 Invited Lecturer, Practical Clinic, American Association of Neurological Surgeons Annual Meeting, Boston, MA
1993 Invited Lecturer, Breakfast Seminars, American Association of Neurological Surgeons Annual Meeting, Boston, MA
1993 Invited Lecturer, Royal Australasian College of Surgeons, Adelaide, Australia
1993 Invited Lecturer, Stereotactic Radiosurgery/Brachytherapy Workshop, Adelaide, Australia
1993 Invited Lecturer, Auckland Hospital Neurosurgery, Auckland, New Zealand
1993 Invited Lecturer, International Stereotactic Radiosurgery Society, 1st Congress Meeting, Stockholm, Sweden

1993 Invited Speaker, Santorini Radiosurgery Workshop, Santorini, Greece
1993 Invited Consultant, General Electric Medical Imaging Systems, Milwaukee, WI
1993 Invited Lecturer, UCLA Stereotactic Neurosurgery/Radiosurgery Course, Los Angeles, CA
1993 Invited Lecturer, Practical Course, Congress of Neurological Surgeons, Vancouver, British Columbia, Canada
1993 Invited Lecturer, Luncheon Discussion Group, Congress of Neurological Surgeons, Vancouver, British Columbia, Canada
1993 Panelist and Moderator, XIth Meeting of the World Society for Stereotactic and Functional Neurosurgery, Ixtapa, Mexico
1993 Invited Lecturer, Tumors of the Central Nervous System, Harvard Medical School, Department of Continuing Education, Boston, MA
1993 Invited Lecturer, Intensive Review in Neurology, Harvard Medical School, Department of Continuing Education, Boston, MA
1993 Invited Lecturer, Grand Rounds, Neurology and Neurosurgery, Duke University Medical Center, Durham, NC
1994 Fischer-Leibinger Visiting Professor in Stereotactic Neurosurgery, University of Arizona, Tucson, AZ
1994 Invited Lecturer, Asia-Pacific Minimally Invasive Neurosurgery Conference, Singapore General Hospital, Singapore
1994 Visiting Professor, Ministry of Health, Government of Singapore, Tan Tock Seng Hospital, Singapore
1994 Visiting Professor, Pramongkutklao Medical School, Bangkok, Thailand
1994 Invited Lecturer, Chulalongkorn University, Bangkok, Thailand
1994 Invited Lecturer, The Chinese University of Hong Kong, Prince of Wales Hospital, Shatin, N.T., Hong Kong
1994 Invited Lecturer, Beijing, China
1994 Invited Lecturer, Zhong Shan Hospital, Shanghai, China
1994 Invited Lecturer, Guangxhou, China
1994 Invited Lecturer, Australian Stereotactic Workshop, Saint Vincent's Hospital, Sydney, Australia
1994 Director and Speaker, Practical Course, American Association of Neurological Surgeons, San Diego, CA
1994 Invited Speaker, Breakfast Seminars, American Association of Neurological Surgeons, San Diego, CA
1994 Invited Speaker, Harvard Longwood Oncology Group Spring Symposium, Boston, MA
1994 Invited Speaker, Interactive Neurology, Massachusetts General Hospital, Harvard Medical School Continuing Education, Boston, MA (6/23/94)
1994 Invited Lecturer, UCLA Course on Minimally Invasive Therapy of the Brain, Los Angeles, CA (8/25-27/94)
1994 Invited Lecturer and Panelist, First Brazilian Workshop of Stereotactic Radiotherapy and Radiosurgery, San Paulo, Brazil (9/1-3/94)
1994 Invited Lecturer and Panelist, XX Congresso Brasileiro de Neurocirurgia, Belo Horizonte, Brazil (9/4-8/94)

1994 Invited Speaker, Grand Rounds, The Brockton Hospital Symposium, Brockton, MA (9/16/94)
1994 Invited Speaker, The Preuss Foundation Symposium on Stereotactic Radiation Treatments for Brain Tumors, Boston, MA (9/28-30/94)
1994 Invited Lecturer, Breakfast Seminar, Congress of Neurological Surgeons, Chicago, IL (10/1-6)
1994 Invited Lecturer, Interventional MRI Symposium, Society for Magnetic Resonance, Boston, MA (10/8-9)
1994 Invited Lecturer, Stereotactic Neurosurgery - Hands On, American Association of Neurological Surgeons, New Orleans, LA (10/28-29)
1994 Invited Lecturer, Radiosurgery for Brain Tumors, Loyola University Medical Center, Maywood, IL (11/4-5)
1994 Invited Lecturer, Intensive Review in Neurology, Harvard Medical School, Department of Continuing Education, Boston, MA
1995 Invited Lecturer, Medical Grand Rounds, Brigham & Women's Hospital
1995 Invited Lecturer, Practical Course, American Association of Neurological Surgeons, Orlando, FL (4/22)
1995 Invited Lecturer, Tumor Section Symposium, American Association of Neurological Surgeons, Orlando, FL (4/26)
1995 Invited Speaker, Breakfast Seminars, American Association of Neurological Surgeons, Orlando, FL (4/22-27)
1995 Invited Lecturer and Panelist, 2nd Congress of the Spanish Radiosurgery Society, Madrid, Spain (4/28)
1995 Invited Special Lecturer, Panelist, 10th European Congress on Neurosurgery, Berlin, Germany (5/9).
1995 Invited Lecturer and Panelist, Virtual Reality in Medicine and Developer's Expo, Boston, MA
1995 Invited Lecturer, X-knife Consortium Meeting, Boston (6/13/95)
1995 Program Chairman, Lecturer, Moderator, International Stereotactic Radiosurgery Society 2nd Congress Meeting, Boston, MA 6/14-17/95)
1995 Invited Lecturer, Joint International Congress on Minimally Invasive Techniques in Neurosurgery and Otolaryngology, Pittsburgh, PA (6/19)
1995 Invited Panelist, Practical Course, Congress of Neurological Surgeons, San Francisco, CA (10/15)
1995 Invited Lecturer, Luncheon Discussion Groups, Congress of Neurological Surgeons, San Francisco, CA (10/16,18)
1995 Invited Speaker, General Electric Intraoperative MR Symposium, Congress of Neurological Surgeons, San Francisco, CA (10/18)
1995 Invited Lecturer, General Scientific Plenary Session, Congress of Neurological Surgeons, San Francisco, CA (10/19)
1995 Invited Panelist and Consultant, Center for Health Care, Lawrence Livermore National Laboratories, San Francisco, CA (10/20)
1995 Invited Professor, Overlook Hospital, Summit, NJ (10/27)
1995 Invited Lecturer, New Jersey State Neurosurgical Society, New Brunswick, NJ (10/27)

1995 Invited Lecturer, Tumors of the Central Nervous System, Harvard Medical School, Department of Continuing Education, Boston, MA (11/14-15)
1995 Invited Lecturer, Stereotactic Neurosurgery - Hands On, American Association of Neurological Surgeons, New Orleans, LA (11/17-18)
1995 Invited Lecturer, XKnife Consortium, Orlando, FL (12/5)
1995 Invited Lecturer, LINAC Radiosurgery, 1995, University of Florida, Orlando, FL (12/6-10)
1996 Visiting Professor, Chicago Institute of Neurosurgery and Neuroresearch, Chicago, IL (12/22)
1996 Invited Lecturer and Panelist, 2nd International Skull Base Congress, VII Annual Meeting North American Skull Base Society, San Diego, CA, (6/29-7/4)
1996 Invited Lecturer and Panelist, Conference on Stereotactic Target Localization Techniques, Boston, MA, (7/20-7/21)
1996 Invited Lecturer, LINAC Stereotactic Radiosurgery/Radiotherapy Symposium, Samsung Medical Center, Seoul, Korea (9/7)
1996 Invited Lecturer, Stereotactic Radiosurgery Workshop, Tokyo University, Tokyo, Japan (9/8)
1996 Invited Lecturer, Stereotactic Radiosurgery and Radiotherapy Workshop, Queen Elizabeth Hospital, Hong Kong (9/10)
1996 Invited Lecturer, Symposium on Stereotactic Radiosurgery and Computer-Assisted Neurosurgery, Apollo Hospital, New Delhi, India (9/12)
1996 Special Guest Lecturer, Oregon Neurosurgical Society, Salishan Lodge, OR (10/18)
1996 Special Guest Lecturer, Oregon Neurosciences: Cost Effectiveness 1996, Salishan Lodge, OR (10/18)
1996 Visiting Professor, New Jersey Medical School, Newark NJ (10/22-23)
1996 Neurosurgery Grand Rounds, Hackensack Medical Center, Hackensack, NJ (10/23)
1996 Invited Lecturer, UCLA - XKnife User Group, Los Angeles, CA (10/26)
1996 Invited Lecturer, Tumors of the Central Nervous System, Harvard Medical School, Department of Continuing Education, Boston, M (11/26)
1996 Anesthesia Grand Rounds, Brigham & Women's Hospital, Boston, MA (11/27)
1997 Pain Service Grand Rounds, Brigham & Women's Hospital, Boston, MA (2/24)
1997 Invited Lecturer, MRI Basic to Advanced, General Electric Meeting, Breckenridge, CO (3/16)
1997 Visiting Professor, Maine Neurosurgical Society Meeting, Sugarloaf, ME (4/4-6)
1997 Invited Lecturer, Practical Course, American Association of Neurological Surgeons, Denver, CO (4/14)
1997 Invited Lecturer, General Electric Intraoperative MR Symposium, American Association of Neurological Surgeons, Denver, CO (4/16)
1997 Invited Speaker, Breakfast Seminars, American Association of Neurological Surgeons, Denver, CO (4/15,18)
1997 Invited Lecturer, Anesthesia/Critical Care Grand Rounds, Beth Israel Hospital, Boston, MA (5/21)
1997 Invited Lecturer and Moderator, International Stereotactic Radiosurgery Society 2nd Congress Meeting, Madrid, Spain (6/25-28/97)

1997 Speaker, Panelist and Moderator, XIIth Meeting of the World Society of Stereotactic and Functional Neurosurgery, Lyon, France (7/1-4/97)
1997 Invited Speaker and Moderator, 11th International Congress of Neurological Surgery, Amsterdam, The Netherlands (7/6-11/97)
1997 Visiting Professor, Tulsa Neurosciences Society, Tulsa, OK (9/11-12)
1997 Invited Panelist, Practical Course, Congress of Neurological Surgeons, New Orleans, LA (9/27-10/1)
1997 Invited Lecturer, Luncheon Discussion Groups, Congress of Neurological Surgeons, New Orleans, LA (9/27-10/1)
1997 Invited Speaker, General Electric Intraoperative MR Symposium, Congress of Neurological Surgeons, New Orleans, LA (9/27-10/1)
1997 Invited Lecturer, General Scientific Plenary Session, Congress of Neurological Surgeons, New Orleans, LA (9/27-10/1)
1997 Invited Lecturer, Brain Tumor Society, Boston, MA (11/1)
1997 Invited Lecturer, Tumors of the Central Nervous System, Harvard Medical School, Department of Continuing Education, Boston, MA (11/25)
1998 Invited Speaker and Moderator, XKnife Radiosurgery Society Meeting, Philadelphia, PA (4/25)
1998 Invited Speaker, "Meet the Professor Session", American Society of Clinical Oncology Annual Meeting, Los Angeles, CA (5/16)
1998 Invited Speaker, General Electric Intraoperative MR Symposium, UHUHS: Uniformed Services University of the Health Sciences, Washington, DC (6/3)
1998 Invited Lecturer, Pain Management Seminar, Harvard Medical School, Department of Continuing Education, Boston, MA (6/13)
1998 Invited Lecturer, Tumors of the Central Nervous System, Harvard Medical School, Department of Continuing Education, Boston, MA (9/28)
1999 Invited Lecturer, "Entering the Mind Zone: A Comprehensive Neuroscience Program", Brigham & Women's Hospital Nurse Education, Boston, MA (1/13)
1999 Invited Lecturer, West Virginia Medical Society, Charleston, WV (1/22)
1999 Invited Speaker, AANS Joint Section on Cerebrovascular Surgery, Nashville, TN (2/2)
1999 Invited Speaker and Moderator, XKnife Radiosurgery Society Meeting, Sydney, Australia (2/23)
1999 Invited Lecturer, Panelist and Moderator, International Stereotactic Radiosurgery Society 3rd Congress Meeting, Sydney, Australia (2/24-2/27)
1999 Invited Lecturer, Panelist and Moderator, 50th Anniversary of Neurosurgery in Egypt, Cairo, Egypt (3/9-3/12)
1999 Invited Lecturer, Panelist and Moderator, International Stereotactic Radiosurgery Society 3rd Congress Meeting, Sydney, Australia (2/24-2/27)
1999 Invited Lecturer, Panelist and Moderator, Japanese Society of Skull Base Surgery / Conference on Neurosurgical Techniques and Tools, Osaka, Japan (3/22-25)
1999 Invited Lecturer, Practical Course, American Association of Neurological Surgeons, New Orleans, LA (4/24)
1999 Invited Lecturer, General Electric Intraoperative MR Symposium, American Association of Neurological Surgeons, New Orleans, LA (4/26)

1999 Invited Speaker, Breakfast Seminars, American Association of Neurological Surgeons, New Orleans, LA (4/27)
1999 Invited Lecturer and Moderator, New England Neurosurgical Society, Dedham, MA (6/11)
1999 Invited Lecturer, Panelist and Moderator, American Society of Stereotactic and Functional Neurosurgery, Snowbird, UT (7/7-11)
1999 Invited Lecturer, Tumors of the Central Nervous System, Harvard Medical School, Department of Continuing Education, Boston, MA (9/14)
1999 Visiting Professor, Stanford University Medical Center, Stanford, CA (10/1)
1999 Invited Lecturer, Neuroradiology, Head & Neck Radiology and Clinical Functional MRI and Spectroscopy, Harvard Medical School, Department of Continuing Education, Boston, MA (10/4)
1999 Invited Panelist, Practical Course, Congress of Neurological Surgeons, Boston, MA (10/30-11/4)
1999 Invited Lecturer, Luncheon Discussion Groups, Congress of Neurological Surgeons, Boston, MA (10/30-11/4)
1999 Invited Examiner, AANS Professional Development Course: Mock Oral Board Examination, Houston, TX (11/15-16)
2000 Invited Speaker, North American Skull Base Society, Phoenix, AZ (3/17-19)
2000 Invited Speaker, Practical Course, American Association of Neurological Surgeons, San Francisco, CA (4/9)
2000 Invited Speaker, Breakfast Seminars, American Association of Neurological Surgeons, San Francisco, CA (4/11)
2000 Invited Speaker, Society of University Neurosurgeons, Boston, MA (6/14-17)
2000 Invited Panelist, Practical Course, Congress of Neurological Surgeons, San Antonio, TX (9/23-28)
2000 Invited Lecturer, Luncheon Discussion Groups, Congress of Neurological Surgeons, San Antonio, TX (9/23-28)
2000 Invited Lecturer, Tumors of the Central Nervous System, Harvard Medical School, Department of Continuing Education, Boston, MA (12/4)
2001 Invited Lecturer and Panelist, International Stereotactic Radiosurgery Society 4th Congress Meeting, Las Vegas, NV (6/10-13)
2004 Medical Grand Rounds, Melrose-Wakefield Hospital, Melrose, MA (10/20)
2010 Keynote Address, Lynchburg Academy of Medicine, Lynchburg, VA (11/8)
2010 Consciousness Meeting Presentation, Division of Perceptual Studies (DOPS), University of Virginia, Charlottesville, VA (11/16)
2011 Keynote Address, International Association of Near-Death Studies, Durham, NC (9/4)
2012 Presentation, International Association of Near-Death Studies, Phoenix, AZ (8/31)
2013 Presentation & Discussion, St John the Divine Church, New York, NY (1/8)
2013 Price Lecture Series Keynote, Trinity Church, Boston, MA (3/17)
2013 Presentation, School of Nursing, University of Virginia, Charlottesville, VA (2/27)
2013 Keynote Address, Marseille Near-Death Experience Conference, Marseille, France (3/10)
2013 Graduation Address [with His Holiness the 14th Dalai Lama], Maitripa College, Portland, OR (5/10)

2013 Presentation, Faith and Science Senior Seminar, Lynchburg College, Lynchburg, VA (4/29)
2013 Keynote Address, Sophia University, Palo Alto, CA (6/19)
2013 Keynote Address, Third Annual Afterlife Awareness Conference, St Louis, MO (6/22)
2013 Keynote Address, Institute of Noetic Sciences (IONS), Indian Wells, CA (7/20)
2013 Keynote Address & Meditation Presentation (with Karen Newell), Omega Institute, Rhinebeck, NY (7/27)
2013 Presentation, Aspen Brain Festival, Aspen, CO (8/10)
2013 Keynote Address, International Association of Near-Death Studies, Washington, DC (8/29)
2013 Grand Rounds, Tulane Medical Center, New Orleans, LA (9/20)
2013 Keynote Speaker, Texas Surgical Society Annual Meeting, Houston, TX (9/21)
2013 Annual Keynote, Benedictine Health System, Duluth, MN (9/26)
2013 Keynote Address, American College of Surgeons Foundation Annual Meeting, Washington, DC (10/7)
2013 Fundraiser Keynote, Roanoke College, Roanoke, VA (10/25)
2013 Keynote Address, Overlook Medical Center, Summit, NJ (11/6)
2013 Keynote Address, Academi of Life, New York, NY (11/7)
2013 Keynote Address, Clinton Presidential Library, Little Rock, AK (11/13)
2013 Keynote Address, The Jefferson Society, University of Virginia, Charlottesville, VA (11/15)
2013 Keynote Address, Open Center – New York Ethical Center, New York, NY (11/23)
2013 Keynote Address, University of South Florida, Tampa, FL (12/5)
2014 Frederick G. Kergin Lecturer, University of Toronto Department of Surgery, Toronto, ON, Canada (2/7)
2014 Keynote Address, Congresa Consciencia, Puebla, Mexico (2/22)
2014 Joseph Flynn Annual Conference Keynote, Mercy Hospital, St Louis, MO (3/5)
2014 Keynote Address, Sivananda Yoga Retreat, Paradise Island, Bahamas (3/11)
2014 Keynote Address, Eisenhower Medical Center, Rancho Mirage, CA (4/9)
2014 Keynote Address, Dr. Thomas P. Krueger Neuroscience Symposium, Evansville, IN (4/22)
2014 Annual Keynote Address, The Wescott Society, Hunterdon Medical Center Foundation, Bedminster, NJ (5/16)
2014 Keynote Address, Robert Haden Institute, Hendersonville, NC (5/28)
2014 Keynote Address & Meditation Presentation (with Karen Newell), Assoc Comprehensive Energy Psychology (ACEP), Phoenix, AZ (5/29)
2014 Keynote Address, Fourth Annual Afterlife Awareness Conference, St Louis, MO (6/6)
2014 Keynote Address, International Remote Viewers Association, Las Vegas, NV (6/28)
2014 Keynote Address, Theosophical Society, Wheaton, IL (7/19)
2014 Keynote Address, Greenwoods Counseling Center, Washington, CT (8/3)
2014 Keynote Address, The Chautauqua Institute, Chautauqua, NY (8/20)
2014 Keynote Address, Coomeva Consciousness Conference, Cali, Colombia (9/6)

2014 Annual Keynote, St Sebastian's School, Needham, MA (9/8)
2014 Workshop, Omega Institute, Rhinebeck, NY (10/5)
2014 Workshop, Open Center, New York, NY (10/7)
2014 Keynote Address, Mount Holyoke College, South Hadley, MA (10/9)
2014 Keynote Address, North Central College, Naperville, IL (10/14)
2014 Keynote Address, Highland Park Methodist Church, Dallas, TX (10/16)
2014 Keynote Address, Northern Iowa Community College, Mason City, IA (10/22)
2014 Keynote Address, Memorial Health Care Neuroscience Institute, Hollywood, FL (10/24)
2014 Keynote Address, St. Luke's Medical Center, Kansas City, MO (11/5)
2014 Keynote Address, Edgar Cayce Association for Research and Enlightenment – "Life Everlasting," Virginia Beach, VA (11/8)
2014 Keynote Address, Stella Maris, Timonium, MD (11/11)
2014 Keynote Address, Annual Fundraising Dinner, The Open Center, New York, NY (12/4)
2015 Workshop, Omega Blue Light Resort, Nosara, Costa Rica (1/18-23)
2015 Workshop, Mile Hi Church, Denver, CO (1/30-31)
2015 Keynote Address, The Rhine Center, Durham, NC (2/28)
2015 Senior Class Lecture, University of Virginia School of Nursing, Charlottesville, VA (3/4)
2015 Keynote Address, Montgomery Woman's Club Town Hall Lectures, Cincinnati, OH (3/11-12)
2015 Keynote Address, Living at Peak Consciousness, Vail Symposium, Vail, CO (3/16-17)
2015 Dean's Forum Lecturer, Virginia Theological Seminary, Alexandria, VA (3/30)
2015 Keynote Address, Cone Health Medical, Greensboro, NC (4/9)
2015 Workshop, Open Center "The Art of Dying," New York, NY (4/25-26)
2015 Workshop, Sivananda Yoga Retreat, Paradise Island, Bahamas (5/1-2)
2015 Closing Keynote, Bogota Book Fair, Bogota, Colombia (5/3)
2015 Virginia Episcopal School Presentation, Lynchburg, VA (5/6)
2015 Keynote Address, Edward Via College of Osteopathic Medicine Grand Rounds, Blacksburg, VA (5/12)
2015 Sound Meditation Workshop, Theosophical Society, Wheaton, IL (5/16)
2015 Sound Meditation Workshop, Sun Valley Wellness Festival, Sun Valley, ID (5/23-25)
2015 Bon Secours Hospice Grand Presentation, Richmond, VA (6/27)
2015 Keynote Address, Aspen BrainLab Symposium, Aspen, CO (7/25)
2015 Workshop, Aspen Center for Living Peace, Aspen, CO (7/26)
2015 Workshop, Synchronicity, Omega Institute, Rhinebeck, NY (8/21-23)
2015 Keynote Address, International Association of Near-Death Studies, San Antonio, TX (9/4)
2015 Keynote, Oklahoma City Town Hall Lecture Series, Oklahoma City, OK (9/17)
2015 Keynote, We Do Not Die Conference, Findhorn Foundation, Scotland (9/27-30)
2015 Keynote, Town Hall South Lecture Series, Pittsburgh, PA (10/6)
2015 Workshop, Theurgy Divine Transformation Conference, Nashville, TN (10/17-18)
2015 Healthy Happy Hour – St. Luke's Medical Center, Kansas City, MO (11/9)

2016 Panel, Near-Death Experience, Vail Symposium, Vail, CO (3/14-15)
2016 Keynote Address, Death & Dying Nurses Conference, Iowa Western, Council Bluffs, IA (4/28)
2016 Keynote Address, HONOR Health Coping With Death CME Conference, Laguna Beach, CA (6/4)
2016 Keynote Address, Aging Well in Mind, Body, Spirit Conference, Lynchburg College, Lynchburg, VA (6/8)
2016 Workshop, Theosophical Society, Wheaton, IL (6/11)
2016 Workshop, Alternatives Series at St James Church Piccadilly, London, England, UK (6/17)
2016 Keynote Address, Club of Budapest Infinite Consciousness Symposium, Bagni di Lucca, Italy (7/16-17)
2016 Workshop, Free Will as our Destiny, Omega Institute, Rhinebeck, NY (8/26-28)
2016 Workshop, Chicago IANDS, Evanston, IL (9/10)
2016 Workshop, Spirit University, Sarasota, FL (9/17-18)
2016 Workshop, Sedona Mago Retreat Center, Sedona, AZ (10/7-9)
2016 Keynote and Workshop, Traditional Chinese Medicine Conference, Reston, VA (10/14-16)
2016 Keynote and Workshop, Cedar Tree Institute, Marquette, MI (10/21-22)
2016 Workshop, Community for Integrative Learning, Wilmington, DE (10/28-29)
2016 Keynote Address, Sfumato Dental Club, Columbus, OH (12/1)
2016 Keynote Presentations, Insight Events USA, Austin and San Antonio, TX (12/2-3)
2017 Workshop, The Open Center, New York, NY (1/21)
2017 Keynote and Workshop, La Conscience et l'Invisible Symposium, Paris, France (2/4-5)
2017 Workshop, Sivananda Yoga Retreat Center, Paradise Island, Bahamas (3/6-10)
2017 Physicians and NDEs, Panel/Workshop, Vail Symposium, Vail, CO (3/16-17)
2017 Invited Lecturer, SoundsTrue Neuroscience Training Summit, Online (3/29)
2017 Keynote, The Wednesday Club Author Talks, Danville, VA (4/4)
2017 Workshop, Infinity Foundation, Chicago, IL (4/21-22)
2017 Workshop, Edward Via School of Osteopathic Medicine, Blacksburg, VA (4/27)
2017 Keynote Presentation, Muddy Creek Music Hall, Winston-Salem, NC (4/30)
2017 Keynote, Panel and Workshops, Sivananda Neuroscience Symposium, Paradise Island, Bahamas (6/2-4)
2017 Keynote, Panel and Workshops, IANDS National Conference, Westminster, CO (8/4-6)
2017 Keynote and Workshop, IIIHS International Conference, Montreal, CAN (8/11-14)
2017 Workshop, Riding the Wave of Consciousness, Omega Institute, Rhinebeck, NY (8/25-27)
2017 Workshop, Beyond the Illusion, Multiversity 1440 Retreat Center, Scotts Valley, CA (9/22-24)
2017 Workshop, The Open Center, New York, NY (10/7)
2017 Keynote Presentation, Ottawa International Writers Festival, Ottawa, Canada (10/21)
2017 Workshop, Theosophical Society, Wheaton, IL (11/4)
2017 Keynote/Workshop, Mas Allá De La Luz Conference, Madrid, Spain (11/11-12)

2017 Alternatives UK Tour, Multi-Sensory Keynote, Edinburgh, Scotland (11/14)
2017 Alternatives UK Tour, Multi-Sensory Keynote, Birmingham, England (11/15)
2017 Alternatives UK Tour, Multi-Sensory Keynote, Bristol, England (11/16)
2017 Alternatives UK Tour, Multi-Sensory Keynote, London, England (11/17)
2017 Alternatives UK, Sound Meditation Workshop, London, England (11/18)
2018 Keynote Address, InGoop Health Summit, New York, NY (1/27)
2018 Keynote and Workshops, Sivananda Yoga Retreat Center, Paradise Island, Bahamas (2/17-19)
2018 Keynote Address, Young Presidents Organization, Beverly Hills, CA (2/27)
2018 Keynote and Workshop, Spirit University, Sarasota, FL (3/17-18)
2018 Panel and Workshop, Vail Symposium, Vail, CO (3/21-22)
2018 Keynote Address, Virginia Festival of the Book, Charlottesville, VA (3/24)
2018 Workshop, Muddy Creek Music Hall, Winston-Salem, NC (4/15)
2018 Keynote and Workshop, Rhine Center, Durham, NC (4/27-28)
2018 Keynote and Panel, McLean Borden Cottage, Camden, ME (6/2)
2018 Keynote and Workshop, IIIHS International Conference, Montreal, Canada (8/11-14)
2018 Keynote and Workshop, IANDS National Conference, Seattle, WA (8/30-9/2)
2018 Keynote Address, PBS Series: Ageless Living, Santa Fe, NM (9/7-8)
2018 Multiversity 1440 Retreat Center, Weekend Workshop: Living in a Mindful Universe, Scotts Valley, CA (9/28-30)
2018 Keynote Address, Kerry Vickar Centre, Melfort, Sask, Canada (10/4)
2018 Workshop, Kerry Vickar Centre, Melfort, Sask, Canada (10/5)
2018 Keynote Address, Centenary United Methodist Church, Winston-Salem, NC (10/7)
2018 Keynote Address, Shabtai, The Jewish Society at Yale, New Haven, CT (10/9)
2018 Workshops, Arlington Institute Transition Talks, Berkeley Springs, WV (10/13-14)
2018 Keynote/Workshop, Emergence 2018 Conference, Salt Lake City, UT (10/18-21)
2018 Workshop, Living in a Mindful Universe, Omega Institute, Rhinebeck, NY (10/26-28)
2018 NDE Symposium, AZ Zeno Hospital, Knokke-Heist, Belgium (10/31)
2018 Multi-sensory Keynote Address, Oostkamp, Belgium (11/1)
2018 Keynote Address, Beyond the Brain Conference, London, UK (11/3-4)
2018 Workshop, Journey into the Heart of Consciousness, London, UK (11/5)
2018 Healing with Sound Meditation, Infinity Foundation, Highland Park, IL (11/9)
2018 Workshop, Infinity Foundation, Highland Park, IL (11/10)
2019 Keynote Experiential, A-Ha! Holistic Healing Expo, Bradenton, FL (2/16)
2019 Workshop, A-Ha! Holistic Healing Expo, Bradenton, FL (2/17)
2019 Keynote Address, Charleston Jung Society, Charleston, SC (2/23)
2019 Workshop, Continuum of Consciousness, Sivananda Retreat Center, Paradise Island, Bahamas (4/5-8)
2019 Workshop, Art of Living Retreat Center, Boone, NC (5/3-5)
2019 Keynote Address, BWH Neuroscience Conference, Boston, MA (5/23)
2019 NDE Summit, Online Webinar (6/23)
2019 Keynote and Workshop, National Dowsing Convention, Plymouth, NH (6/28)
2019 Keynote Presentation, Unity of Fairfax/IANDS, Fairfax, VA (7/28)

2019 Keynote and Workshop, IIIHS International Conference, Montreal, Canada (8/16-25)
2019 Workshop, Transformation and Healing Conference, Santa Fe, NM (8/24)
2019 Keynote and Workshop. IANDS Annual Conference, King of Prussia, PA (8/29)
2019 Author Keynote, Milford Readers & Writers Festival, Milford, PA (9/21)
2019 Keynote and Workshop, Santé, Méditation et Conscience Symposium, Paris, France (9/29)
2019 Keynote, New Jersey Metaphysical Center Fall Festival, Hasbrouck Heights, NJ (10/27)
2019 Workshop, New Jersey Wellness Gala, Hasbrouck Heights, NJ (10/28)
2019 Workshop, Unity of Fairfax/IANDS, Fairfax, VA (11/17)
2020 Keynote and Panel, Earth 21 Live Lecture series at the Spiriday Expo, Budapest, Hungary (1/19)
2020 Lecture, Community Church of the Verdes, Rio Verde, AZ (2/10)
2020 Lecture, Life Austin Church, Austin, TX (3/8)
2020 Webinar, United in Hope and Healing, First of biweekly Online Series (3/26, etal.)
2020 Webinar, Helping Parents Heal, Online Series (4/21)
2020 Satsang Lecture, Sivananda Yoga Retreat Center, Online Series (4/24)
2020 Webinar, Association for Research and Enlightenment, Online Conference (5/2)
2020 Webinar, The Art of Dying Center, Online Workshop (6/4)
2020 Webinar, Theosophical Society in America, Online Workshop (6/13)
2020 Webinar, International Day of Hope & Healing, Lecture and Panel (6/22)
2020 Webinar, Shift Network, Free Lecture Event (8/4)
2020 Webinar, Explore the NDE through Science, Spirituality and Sound, Shift Network Seven-week Class (8/17 through 10/5)
2020 Keynote, Sun Valley Wellness Festival Online (8/22)
2020 Award Keynote, Infinity Foundation Online Event (10/16)
2020 Webinar, Infinity Foundation, Online Workshop (10/17)
2020 Web Summit, Beyond the Veil, Shift Network (10/26-30)
2020 Webinar, Association for Research and Enlightenment, Online Lecture (11/18)
2021 Webinar, Shift Network, Free Lecture Event (1/13)
2021 Webinar, Explore the Science Behind the Spiritual Realm, Shift Network Nine-week Class (1/25 through 3/29)
2021 Webinar, East West Bookshop Seattle, Online Workshop (3/6)
2021 Lecture, Camp Chesterfield Spiritual Center, Online Event (4/12)
2021 Lecture, Theosophical Society in America, Online Event (4/22)
2021 Webinar, Theosophical Society in America, Online Workshop (5/1)
2021 Lecture, Rowe Center, Online Event (5/6)
2021 Webinar, How to Revolutionise the Materialist Paradigm, The Scientific and Medical Network, Online Symposium (5/15)
2021 Webinar, Rowe Center, Online Workshop (5/16)
2021 Lecture, Sir Arthur Conan Doyle Centre Edinburgh, Online Event (5/18)
2021 Webinar, Frankfurter Ring Germany, Online Event (5/21)
2021 Lecture, Global Near-Death Experience Summit, Online Event (7/23-25)
2021 Workshop, Sound, Vibration & Color Conference, ARE, Virginia Beach VA (8/13-15)

2021 Lecture, Cal State Fullerton, international Chinese audience, Online (8/21)
2021 Webinars, IANDS' Near-Death Experience Online Conference (9/1-5)
2021 Lecture, Association for Research and Enlightenment, Online Event (11/10)
2021 Webinar, Association for Research and Enlightenment, Online Workshop (12/4)
2022 Webinar, IANDS Spring Symposium, Online Event (2/11-13)
2022 Webinar, The Art of Dying and Living, Tibet House/Menla Online Conference (2/24-26)
2022 Webinar, Le Deuil et les Dimensions Invisibles de la Conscience, Live (Belgium) and Online Conference (3/19-20)
2022 Webinar, Seminars IE of Ireland, Online Event (3/23)
2022 Lecture-Discussion, Vail Symposium, Vail, CO (4/5)
2022 Webinar, Theosophical Society in America, Online Workshop (5/14)
2022 Webinar, Share International, Online Event (6/4)
2022 Webinar, Shift Network, Online Event (8/13)
2022 Workshop, Theosophical Society in New Zealand, Online (9/9)
2022 Course, 7-week, Shift Network, Online Classes (8/31-10/19)
2022 Keynote and Panel, Galileo Commission Summit, Online (9/24-25)
2022 Webinar, Share International (part 2), Online Event (10/29)
2022 Keynote, Beyond the Brain Conference, Online (11/4)
2023 Workshop, Sivananda Retreat Center, The Bahamas (2/1-3)
2023 Keynote, New Living Expo, San Rafael, CA (4/16)
2023 Workshop, Theosophical Society in America, Online (4/29)
2023 Keynote, Center for Contemporary Mysticism, Online (5/21)
2023 Panel, Humanity's Team, Online (6/20)
2023 Keynote and Workshop, Lily Dale Assembly, NY (7/14-16)
2023 Interview, Life Beyond Death TV, Online (7/22)
2023 Keynote and Workshop, IANDS Annual Conference, Washington, DC (8/30-9/3)
2023 Webinar, Shift Network, Online Event (9/19)
2023 Interview, Global Oneness Summit, Online (10/21-10/24)
2023 Interview, Beyond the Veil Summit, Online (10/30-11/3)
2023 Course, 7-week, Shift Network, Online (10/4-11/15)
2024 Keynote and Workshop, Sivananda Retreat Center, The Bahamas (2/9-11)
2024 Keynote, The Moveable Feast, Pawleys Island, SC (2/20)
2024 Webinar, Association for Research and Enlightenment, Online (4/17)
2024 Workshop, Tom Tom Festival, Charlottesville, VA (4/20)
2024 Keynote, Simposio de Terapia Regresiva: 4th International Symposium on Regressive Therapy, Spain and Online (5/31-6/2)
2024 Keynote, St. Matthew Lutheran Church, Avon, CT (6/1)
2024 Keynote, Healing Grief-Healing Trauma Summit, Online (9/21-23)
2024 Keynote, Quantum Miracles Docu-Series, Online (9/21-27)
2024 Panel, Global Oneness Summit, Online (10/19-24)
2024 Lectures, Caldwell Community College, World Religions Classes Online (10/23)
2024 Course, 7-week "Explore the Near-death Experience through Science, Spirituality and Sound" (Online on demand)
2024 Interview, Ervin Laszlo's Upshift Summit, Online (11/15-18)

2024 Workshop, La Conscience et la Nature du Reel, UM6P Ben Guerir Univ, Morocco (12/5)
2024 Lecture, La Conscience et la Nature du Reel, UM6P Ben Guerir Univ, Morocco (12/6)
2025 Workshop, Conscious Life Expo, Los Angeles, CA (2/7)
2025 NDE Panel G. Noory, Conscious Life Expo, Los Angeles, CA (2/8)
2025 Lecture, Midway Center for Integrative Medicine, Midway, KY (3/8)
2025 NDE Panel, Vail Symposium Physicians Perspectives on NDEs, Vail, CO (3/20)
2025 Interview, Awakening Beyond Life Summit, Online (4/3-5)
2025 Lecture, Science of the Soul, IANDS Wednesday Lecture Series, Online (4/12)
2025 Lecture, Survival: Re-Appraising the Evidence for Life After Death Summit, Online (4/13)
2025 Keynote, Cosmos & Creation Seminar, Loyola Univ, Baltimore, MD (6/14)
2025 Keynote, God & Science: A Seminar of Contemporary Viewpoints, Princeton Univ, NJ (9/20)
2025 Keynote, Science of the Soul, Zapulla Day, JFK University Medical Center, Hackensack, NJ (9/24)
2025 Keynote, The Reality of the Afterlife, Partners in Caring, Modesto, CA (10/1)
2025 President's Address to Oxford Humans, live online, international (10/4)

Awards and Honors:

1977 The Engel Society
1980 Alpha Omega Alpha
1982 Brody Scholar in the History of Neuroscience
1983 American College of Surgeons Scholarship
1985 R.M.P. Donaghy Prize in Neurosurgery, Quebec and New England Neurosurgical Societies
1985 Award for Best Resident Paper, New England Neurosurgical Society
1993 Elected to "Ten Outstanding Young Leaders" (TOYL) by Greater Boston Jaycees
1995-96 Who's Who Among Outstanding Americans
1997-99 Listed in "Best Doctors in America -- Northeast Region"
2013 The Dean's Cross, Virginia Theological Seminary, Alexandria, VA
2020 Infinity Foundation Spirit Award, Chicago, IL
2025 Appointed President, Oxford Humans, Oxford, UK

Grant Support:

1996 Investigator, Brigham Surgical Group Research Grant, Rapid Rate Magnetic Cortical Stimulation for MR Cortical Mapping. $42,000 direct costs.

Memberships, Offices and Committee Assignments in Professional Societies:

1980-present American Medical Association
1980-1987 North Carolina Medical Society
1980-1987 Durham-Orange Counties Medical Society

1983-2005 Massachusetts Medical Society
1983-2001 Suffolk County Medical Society
1988 Congress of Neurological Surgeons
1987 General Scientific Session Committee
1988 Joint Committee on Education Self-assessment and Sponsorship SANS IV Committee
1989 Luncheon Seminars Committee
Poster Sessions Co-chairman
Sergeant-At-Arms Committee
1989-present American Society for Stereotactic and Functional Neurosurgery (ASSFN)
1993-1995 ASSFN Board of Directors
1989-present World Society for Stereotactic and Functional Neurosurgery
1989-present Joint Section on Stereotactic and Functional Neurosurgery of the American Association of Neurological Surgeons
1991-1992 Chairman, Resources Committee, Joint Section on Tumors, American Association of Neurological Surgeons and Congress of Neurological Surgeons
1991-1993 Self-Assessment for Neurological Surgery SANS V Committee
1991-1995 Stereotactic Radiosurgery Task Force Member, American Association of Neurological Surgeons
1991-1992 Chairman, Registration Committee, Congress of Neurological Surgeons
1992-1993 Chairman, Registration Committee, American Association of Neurological Surgeons
1992-1994 Joint Committee on Self-Assessment, AANS/CNS
1983-1987 Joint Committee on Continuing Medical Education, AANS/CNS
1992-1997 Chairman, Subcommittee on Education, Joint Section on Tumors, American Association of Neurological Surgeons and Congress of Neurological Surgeons
1992-1997 Executive Council, Joint Section on Tumors, American Association of Neurological Surgeons and Congress of Neurological Surgeons
1992-1995 Editor, World Directory of Neurological Surgeons (North American Edition), Congress of Neurological Surgeons
1993-2001 Affiliate Member, American Society for Therapeutic Radiology and Oncology
1994-1996 Executive Council, Joint Section on Stereotactic and Functional Neurosurgery, American Association of Neurological Surgeons and Congress of Neurological Surgeons
1994-1995 Program Chairman, International Stereotactic Radiosurgery Society Meeting, Boston, MA 1995
1994-1996 Chairman, Membership Committee, International Stereotactic Radiosurgery Society
1994-1998 Member, Board of Directors, American Association of Stereotactic and Functional Neurosurgery
1994 Scientific Program Committee, Congress of Neurological Surgeons, San Francisco, CA 1995
1997-1999 Chairman, Scientific Program Committee, International Stereotactic Radiosurgery Society Meeting, Sydney, Australia 1999
1997-1998 President, XKnife Radiosurgery Society

1999 Elected to membership, The American Academy of Neurological Surgery
2018 Member, Scientific and Medical Network, London, UK
2018 Scientific Advisor, Galileo Commission, London, UK
2025 President, Oxford Humans

Editorial Boards:

1987-1993 Congress of Neurological Surgeons: Clinical Neurosurgery
1994-2003 Journal of Image Guided Surgery
1994-1999 Journal of Stereotactic and Functional Neurosurgery
1994-2003 Ad Hoc Reviewer, Neurosurgery
1999-2000 Methods in Biomedical Magnetic Resonance Imaging and Spectroscopy

Major Research Interests:

1) Advances in 3-dimensional imaging capabilities for enhancement of intraoperative management of intracranial tumors and vascular lesions, including image fusion between CT, MRI and SPECT, magnetic stimulation preoperative cortical mapping, and the Intraoperative MRI (MR/T) Project with the General Electric Corporation

2) Development of technical advances in the use of stereotactic radiosurgery using a modified linear accelerator and the proton beam in the treatment of neoplastic, vascular and functional lesions in the central nervous system

3) MR-guided Focused Ultrasound Surgery for the treatment of tumors (benign and malignant), clot dissolution in stroke and intracerebral hemorrhage, neuromodulation, creation of focal brain lesions, and precise targeted delivery of drugs and genes within the brain.

4) Design of acoustic patterns and music, especially utilizing complex stereo manipulations, to enhance alterations in transcendent states of consciousness.

Principal Clinical and Hospital Service Responsibilities:

1988-2003 Attending neurosurgeon
2006-2007 Attending neurosurgeon

Teaching Experience:

1988-89 Neurobiology Course, Tutorial Leader, New Pathway, Harvard Medical School.
1988-93 Clinical Instructor, Physical Diagnosis Course, Second Year Medical Students, Harvard Medical School.

1988-93 Surgery Elective, Neurosurgery Didactic Sessions, Harvard Medical School.
1990 Invited Lecturer, Postgraduate Medical Series Neurosurgery Session, Brigham & Women's Hospital
1993 Thesis Review, Graduation with Honors Program, Harvard Medical School
1993 Invited Lecturer, Human Nervous System and Behavior, Harvard Medical School

Peer Reviewed Publications:

1. Soules, MR, Hughes, CL Jr., Garcia JR, Livengood, CH, Prystowsky, MR, Alexander, E III. Nausea and vomiting of pregnancy: Role of human chorionic gonadotropin and 17-hydroxyprogesterone. Obstetrics and Gynecology. 1980: 55(6): 696-700.

2. Alexander, E., Jr., Alexander E., III. German influence on the work of Harvey Cushing, the pioneer of neurosurgery in America. Neurosurgery. 1981: 9 (5) 501-505.

3. Alexander, E., III, Friedman, AH. Characteristics of adrenergic receptors in human pial arterioles. Surgical Forum. 1983: 43: 508.

4. Alexander, E, III, Black, P McL, Liszczak, TM, Zervas, NT. Delayed CSF lavage for arteriographic and morphological vasospasm after experimental SAH. J Neurosurg. 1985: 63: 949-958.

5. Rossitch, E, Jr, Alexander, E, III, Schiff, SJ, Bullard, DE. Computer tomography guided stereotactic aspiration of a brainstem abscess. Clinical Neurology and Neurosurgery. 1988: 90:365-368.

6. Rossitch E, Jr., Carrazana, EJ, Ellenbogen, RG, Alexander, E, III. Kluver-Bucy syndrome following recovery from transtentorial herniation. British Journal of Neurosurgery. 1989: 3: 503-506.
7. Alexander E, III, Siddon, RL, Loeffler, JS. The acute onset of nausea and vomiting following stereotactic radiosurgery: Correlation with total dose to area postrema. Surgical Neurology. 1989:32: 40-44.

8. Loeffler, JS, Alexander E, III, Siddon RL, Saunders, WM, Coleman, CN, Winston, KR. Stereotactic radiosurgery for intracranial arteriovenous malformations using a standard linear accelerator. International J Radiation Oncology, Biology and Physics. 1989: 17: 673-677.

9. Alexander, E, III, Rossitch, E, Jr., Small, K, Rossenwasser, GO, Abson, P. Merkel cell carcinoma: long term survival in a patient with proven brain metastasis and presumed choroid metastasis. Clinical Neurology and Neurosurgery. 1989: 91 (4):317-320.

10. Small, KW, Rosenwasser, GO, Alexander, E III, Rossitch, E Jr, Dutton JJ. Presumed choroidal metastasis of Merkel cell carcinoma. Annals of Ophthalmology. 1990: 22:187-190.

11. Loeffler, JS, Alexander, E, III. The role of stereotactic radiosurgery in the management of intracranial tumors. Oncology. 1990: 4(3): 21-31.

12. Loeffler, JS, Kooy, HM, Wen, PY, Fine, HA, Cheng, C-W, Mannarino, EG, Tsai, JS, Alexander, E, III. The treatment of recurrent brain metastases with stereotactic radiosurgery. Journal of Clinical Oncology. 1990: 8(4): 576-582.

13. Rossitch, E Jr, Moore, MR, Alexander, E, III, Black, PMcL. The neurosurgeon's neurosurgeon. Cushing operates on a Penfield. Surgical Neurology. 1990: 33:150-153.

14. Crawford, JM, Rossitch, E, Jr., Oakes, WJ, Alexander, E, III. Arteriovenous malformation of the great vein of Galen associated with patent ductus arteriosus: Report of three cases and review of the literature. Child's Nervous System. 1990: 6:18-22.

15. Loeffler, JS, Rossitch E, Jr., Siddon, RL, Moore, MR, Rockoff, MA, Alexander, E, III. The role of stereotactic radiosurgery with a linear accelerator in the treatment of intracranial arteriovenous malformations and tumors in children. Pediatrics. 1990: 85(5): 774-782.

16. Alexander E III, Moore, MR, Siddon, RL, Rossitch E, Jr., Loeffler, JS. Successful management of intracranial arteriovenous malformations (AVM) with stereotactic external beam using a standard linear accelerator. Stereotactic and Functional Neurosurgery. 1990: 54 + 55: 548-549.

17. Alexander E III, Rossitch E, Jr., Siddon, RL, Moore, MR, Loeffler, JS. The role of stereotactic radiosurgery with a linear accelerator in the treatment of pediatric intracranial tumors. Stereotactic and Functional Neurosurgery. 1990: 54 + 55: 549-550.

18. Loeffler JS, Siddon RL, Wen PY, Nedzi LA, Alexander E III. Stereotactic radiosurgery of the brain using a standard linear accelerator: study of early and late effects. Radiotherapy and Oncology. 1990: 17:311-321.

19. Nashold, BS, Jr., Rossitch, E, Jr., Alexander, E, III. Dorsal root entry zone surgery for pain management: An update. Pain Management. 1991: 4(1): 15-23.

20. Alexander E III, Friedman, AH. Radioligand binding to adrenergic receptors in human pial membranes. Neurosurgery. 1990: 27(1):52-59.

21. Loeffler JS, Alexander E III, Hochberg FH, Wen PY, Morris J, Siddon RL, Schoene W, Morse RH, Black PMcL. Clinical patterns of failure following stereotactic interstitial irradiation in malignant gliomas. Int J Radiat Oncol Biol Phys 1990:19:1455-1462.

22. Carvalho PA, Schwartz RB, Alexander E III, Loeffler JS, Zimmermann RE, Nagel JS, Holman BL. Extracranial metastatic glioblastoma: appearance on T1-201 chloride/Tc-99m-hmpao SPECT. J Nucl Med 1991: 32:322-324.

23. Rossitch E Jr, Alexander, E III, Black, PM, Cooke JP. L-arginine normalizes

endothelial function in cerebral vessels from hypercholesterolemic rabbits. J Clin Invest. 1991: 87: 1295-1299.

24. Loeffler JS, Alexander E III, Wen PY, Shea WM, Coleman CN, Kooy HM, Fine HA, Nedzi LA, Silver B, Riese NE, Black PM. Results of stereotactic brachytherapy used in the initial management of patients with glioblastoma. J Nat Cancer Inst. 1990: 82:1918-1921.

25. Tsai J-S, Buck BA, Svensson GK, Alexander E III, Cheng C-W, Mannarino EG, Loeffler JS. Quality assurance in stereotactic radiosurgery using a standard linear accelerator. Int J Radiat Oncol Biol Phys 21: 737-748, 1991.

26. Kooy HM, Nedzi LA, Loeffler JS, Alexander E III, Cheng CW, Mannarino E, Holupka E, Siddon RL. Treatment planning for stereotactic radiosurgery of intracranial lesions. Int J Radiat Oncol Biol Phys. 21: 683-693, 1991.

27. Nedzi LA, Kooy H, Alexander E III, Gelman RS, Loeffler JS. Variables associated with the development of complications from radiosurgery of intracranial tumors. Int J Radiat Oncol Biol Phys. 21: 591-599, 1991.

28. Holman BL, Zimmerman RE, Johnson KA, Carvalho PA, Schwartz RB, Loeffler JS, Alexander E, Pelizzari CA, Chen GTY. Computer-assisted superimposition of magnetic resonance and high resolution Technetium-99m-HMPAO and Thallium-201 SPECT images of the brain. J Nucl Med 32(8):1478-1484, 1991.

29. Loeffler JS, Macklis RM, Wen PY, Fine HA, Alexander E III, Coleman CN. Alternative and future strategies in the treatment of malignant gliomas. Semin Rad Oncol,1: 69-78, 1991.

30. Alexander, E III, Loeffler, JS: Introduction, to Radiosurgery: Enhancement of Clinical Excellence, Alexander, E III, Loeffler, JS, Gildenberg, PL, Franklin, PO (Eds). Stereotactic and Functional Neurosurgery, 1992: 57(1): 5-6.

31. Coleman CN, Noll L, Riese N, Buswell L, Howes AE, Loeffler JS, Alexander E III, Wen P, Harris JR, Kramer RA, Hurwitz SJ, Neben TY, Grigsby P. Final report of the Phase I trial of continuous infusion etanidazole (SR2508): A radiation therapy oncology group study. Int J Radiat Oncol Biol Phys. 22: 577-580, 1992.

32. Hurwitz SJ, Coleman CN, Riese N, Loeffler JS, Alexander E III, Buswell L, Neben TY, Shargel L, Kramer RA. Distribution of etanidazole into human brain tumors: Implications for treating high grade gliomas. Int J Radiat Oncol Biol Phys. 22:573-576, 1992.

33a. Schwartz RB, Carvalho PA, Alexander E III, Loeffler JS, Folkerth R, Holman BL. Dual isotope SPECT using T1-201 and Tc-99m hmpao in the differentiation of radiation necrosis from recurrent glioma. AJNR 12: 1187-1192, 1991.

33b. Schwartz RB, Carvalho PA, Alexander E III, Loeffler JS, Folkerth R, Holman, BL: Radiation necrosis versus high - grade recurrent glioma: differentiation by using dual isotope SPECT using T1-201 and Tc-99m HMPAO. AJR 158: 399-404, 1992

34. Loeffler JS, Alexander E III, Shea WM, Wen PY, Fine HA, Kooy HM, Black P McL: Radiosurgery as part of the initial management of patients with malignant gliomas. J Clinical Oncology, 10:1379-1385,1992.

35. Carvalho PA, Schwartz RB, Alexander E III, Garada BM, Zimmerman RE, Loeffler JS, Holman BL. Detection of recurrent gliomas with quantitative Thallium-201/ Technetium-99m hmpao single-photon emission computed tomography. J Neurosurg 77 (4): 565-570, 1992.

36. Alexander E III, Loeffler JS. Radiosurgery for intracranial vascular malformations: techniques, results and complications. Clin Neurosurg 39: 273-291, 1992.

37. Nedzi LA, Kooy HM, Alexander E III, Svensson GK, Loeffler JS: Dynamic field shaping for stereotactic radiosurgery: A modeling study. Int J Radiat Oncol Biol Phys 25:859-869, 1993.

38. Alexander E III, Loeffler JS, Schwartz RB, Johnson KA, Carvalho PA, Garada BM, Zimmerman RE, Holman BL. Thallium-201 Technetium-99m HMPAO stereotactic craniotomies in heavily irradiated malignant glioma patients. Acta Neurochirurgica 122: 215-217, 1993.

39. Tishler RB, Loeffler JS, Lunsford LD, Duma C, Alexander E III, Kooy HM, Flickinger JC: Tolerance of cranial nerves of the cavernous sinus to radiosurgery. Int J Radiat Oncol Biol Phys, 27: 215-221, 1993.

40. Kooy HM, Nedzi LA, Ledoux RL, Alexander E III, Loeffler JS: Dose-volume histogram computations for small intracranial volumes. Med Phys 20: 755-760, 1993.

41. Black P McL, Tarbell N, Alexander E III, Rockoff M, Zhan, M, Loeffler JS: Stereotactic techniques in managing pediatric brain tumors. Child's Nerv Syst: 9:343-347, 1993.

42. Alexander E III: Glioblastoma Revisited: Do clinical observations match basic science theory? Radiosurgery: Clinical observations. J Neuro-oncology 17: 167-173, 1993.

43. Haregewoin A, Alexander E III, Black P McL, Loeffler JS: Autocrine regulation of the production of the gaseous messenger nitric oxide in a glioblastoma cell line. Experimental Cell Research 210:137-1139, 1994.

44a. Larson DA, Bova F, Eisert D, Kline R, Loeffler J, Lutz W, Mehta M, Palta J, Schewe K, Schultz C, Shaw E, Wilson JF, Lunsford LD, Alexander E, Chapman P,

Coffey R, Friedman W, Harsh G IV, Maciunas R, Olivier A, Steinberg G, Walsh J: Consensus statement on stereotactic radiosurgery quality improvement. Int J Radiat Oncol Biol Phys 28:527-530, 1994.

44b. Lunsford LD, Alexander E, Chapman P, Coffey R, Friedman W, Harsh G IV, Maciunas R, Olivier A, Steinberg G, Walsh J, Larson DA, Bova F, Eisert D, Kline R, Loeffler J, Lutz W, Mehta M, Palta J, Schewe K, Schultz C, Shaw E, Wilson JF: Consensus statement on stereotactic radiosurgery quality improvement. Neurosurgery 34:193-195, 1994.

45. Gleason PL, Kikinis R, Altobelli D, Wells W, Alexander E III, Black PM, Jolesz F: Video registration virtual reality for nonlinkage stereotactic surgery. Stereotact Functional Neurosurgery 63 (1-4): 139-143, 1994.

46. Kooy HM, Van Herk M, Barnes PD, Alexander E III, Dunbar SF, Tarbell NJ, Mulkern RV, Holupka EJ, Loeffler JS: Image fusion for stereotactic radiotherapy and radiosurgery treatment planning. Int J Radiat Oncol Biol Phys 28:1229-1234, 1994.

47. Wen PY, Alexander E III, Black PM, Fine HA, Riese N, Levin JM, Coleman CN, Loeffler JS: Long term results of stereotactic brachytherapy used in the initial treatment of patients with glioblastomas. Cancer 73:3029-2036, 1994.

48. Riese NE, Loeffler JS, Wen PY, Alexander E III, Black P McL, Coleman CN: A phase I study of etanidazole and radiotherapy in malignant glioma. Int J Radiat Oncol Biol Phys 29:617-620, 1994.

49. Hughes-Davies L, Mannarino E, Alexander E III, Kooy H, Loeffler JS: Technical modifications required to treat cervical chemodectomas with stereotactic radiosurgery. Surg Neurol 41:418-420, 1994.

50. Dunbar SF, Tarbell NJ, Kooy HM, Alexander E III, Black P McL, Barnes PD, Goumnerova L, Scott RM, Pomeroy S, LaVally B, Sallan SE, Loeffler JS: Stereotactic radiotherapy for pediatric and adult brain tumors: preliminary report. Int J Radiat Oncol Biol Phys, 30:531-539, 1994.

51. Loeffler JS, Shrieve DC, Alexander E III: Radiosurgery for glioblastoma multiforme: the importance of selection criteria. Int J Radiat Oncol Biol Phys 30:731-733, 1994.

52. Bodis S, Alexander E III, Kooy H, Loeffler JS: The prevention of radiosurgery-induced nausea and vomiting by ondansetron: evidence of a direct effect on the central nervous system chemoreceptor trigger zone. Surg Neurol 42(3):249-252, 1994.

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