

CV – Russell J Andrews MD

Training: Medical school – Dartmouth College/Medical School, Hanover, NH (MD 6/78)
Graduate school - Harvard University, Cambridge, MA (DEd 6/74)
Surgical Internship – Walter Reed Army Medical Center, Washington, DC (7/78-6/79)
Neurosurgery Residency – Stanford University Medical Center, Palo Alto, CA (7/81-6/86)

Professional: Faculty member (Neurosurgery) at the following (1986-2001):
University of California, Davis, Medical Center (1986-92)
Stanford University Medical Center (1992-96)
State University of New York Upstate Medical Center (1996-98)
Texas Tech University Medical Center (Chief, Neurosurgery) (1998-2001)
Ames Associate (Smart Systems & Nanotechnology) NASA Ames Research Center (1998-present). Advisor since 2015 (Ames Associate program terminated). NASA Ames Nanotechnology has received 2 NIH grants for nanoelectrodes for the brain-machine interface, the last (\$1.8M, 2011-16), PI Kendall Lee, Mayo Clinic Neurosurgery
2001-17: Private practice neurosurgery, Silicon Valley/San Jose, CA.

Major Committees/Memberships:

American Association of Neurological Surgeons: Past Chair, International Committee
Asian Congress of Neurological Surgeons: Executive Committee
Bioluminate, Inc. (NASA patent licensee): Scientific Advisory Board
Computer Assisted Radiology and Surgery (CARS): Program Committee
Congress of Neurological Surgeons: Member
Epilepsy Foundation of Northern California: Board Member
European Association of Neurosurgical Societies: Member
European Association for Predictive, Preventive and Personalised Medicine
International Association of Neurorestoratology: Advisory Board
International Conference on Neuroprotective Agents: President
New York Academy of Sciences (Life Member)
Stanford University – Guest Lecturer on Robotics, AI and Design of Future Education
World Federation of Neurosurgical Societies (WFNS): Newsletter Editor
WFNS Committee Membership: Neurotrauma, Mass Casualty, Neurorehabilitation
World Neurosurgery: Section & Feature Editor

Publications: Editor, *Intraoperative Neuroprotection*. Williams & Wilkins, 1996
Author: *Too Big to Succeed: Profiteering in American Medicine*. iUniverse, 2013
Author/co-author of over 60 book chapters, and over 90 peer-reviewed research articles
Presenter/co-presenter of over 350 presentations at major national/international scientific meetings (many as invited speaker)

Patents: "Multimodality Instrument for Tissue Characterization" US Patents #6,109,270 (August 29, 2000) #6,718,196 (April 6, 2004) - NASA on behalf of RW Mah and RJ Andrews.
"Carbon Nanotube-based Nanoelectrode Array for Deep Brain Stimulation" Patent Application by NASA on behalf of J Li, M Meyyappan, R Andrews, March, 2003.

Licenses: California; Board Certified, Neurosurgery, 1989.