

BIOGRAPHICAL SKETCH

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NAME: Warren R Selman

eRA COMMONS USER NAME (credential, e.g., agency login):WSELMAN

POSITION TITLE: Professor and Chairman, Department of Neurological Surgery, University Hospitals Case Medical Center, Director, Neurological Institute, University Hospitals Case Medical Center

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Toledo, Toledo, Ohio	BS	1970-1973	
Case Western Reserve University School of Medicine, Cleveland, Ohio	MD	1973-1977	Medicine
Surgical Internship, University Hospitals of Cleveland, Cleveland, Ohio	Certificate of Completion	1977-1978	General Surgery
Research Fellowship, Case Western Reserve University and University Hospitals of Cleveland, Cleveland, Ohio	Certificate of Completion	1978-1980	Neurosurgical Cerebrovascular Research
Neurosurgical Residency Program, University Hospitals of Cleveland, Cleveland, Ohio	Certificate of Completion Certificate of Completion	1980-1984	Neurological Surgery
Neurosurgical Fellowship, The Mayo Clinic, Rochester, Minnesota		1984	Neurosurgical Fellowship-Pituitary Surgery

A. Personal Statement

I have extensive research and administrative experience which qualifies me to be on the Internal Advisory Board of this P50 application – the Ohio Brain Tumor SPORE. I have published extensively on various types of brain tumors, both malignant and “benign” as well as complications arising from treatment. An important role for Advisory Committee members is evaluation of ongoing and planned investigations. I have served on several national peer review committees both for NIH and the Veteran’s Administration. Finally, as Chair of a major academic neurosurgery department, I am very experienced on assisting with the management of multi investigator/institution endeavors, such as this SPORE.

B. Positions and Honors**ACADEMIC APPOINTMENTS:**

1984-1990	Assistant Professor of Neurological Surgery, Case Western Reserve University, Cleveland, Ohio
1990-1995	Associate Professor of Neurological Surgery, Case Western Reserve University, Cleveland, Ohio
1995-2005	Professor and Vice Chair, Department of Neurological Surgery, Case Western Reserve University, Cleveland, Ohio

2005-Present Harvey Huntington Brown, Jr. Professor and Chairman, Department of Neurological Surgery, Case Western Reserve University, Cleveland, Ohio

CLINICAL APPOINTMENTS:

1984-Present Staff Surgeon, Department of Neurological Surgery, University Hospitals Case Medical Center, Cleveland, Ohio
1992-2006 Director, Cerebrovascular Center, University Hospitals Case Medical Center, Cleveland, Ohio
2006-Present Inaugural Director, University Hospitals Neurological Institute, Cleveland, Ohio
2011-Present Chief, Division of Pediatric Neurosurgery, Rainbow Babies & Children's Hospital

Other Experience and Professional Memberships

American Association of Neurological Surgeons (AANS)
2004-2006 Member, Board of Directors

Congress of Neurological Surgeons (CNS)

1994-2001 Member, Executive Committee
1997-1998 Vice President

Society of Neurological Surgeons

2010-2013 Member, Membership Committee
2011-present Chairman, Web Portal Committee
2013-present Chairman, Membership Committee

AANS/CNS Cerebrovascular Section

2004-present Member, Senior Advisory Council
1994-2004 Member, Executive Council
2003-2004 Section Chair

American Academy of Neurological Surgeons

2002-present Member, Membership Advisory Committee
2010-2010 Vice President

American Board of Neurological Surgery

2004-2010 Director, American Board of Neurological Surgery
2006-2009 Chair, Written Examination Committee
2009-2010 Chair, Board of Directors
2010-2016 Advisory Committee

Editorial Responsibilities

2002-2010 Editorial Board, *Journal of Neurosurgery*
2010-2011 Co-Chair, Editorial Board, *Journal of Neurosurgery, Neurosurgery*

Scientific Peer Review

1992-1995 Member, Neurobiology Merit Review Committee, Veteran's Administration
1995-1997 Ad Hoc Member, Neurobiology Merit Review Committee, Veteran's Administration
1998-2004 Ad Hoc Member, Brain Disorders and Clinical Neuroscience-3 Study Section Review Committee, Center for Scientific Review, National Institutes of Health
1998-2010 Member, Anspach Research Award Executive Committee, Anspach Companies, Palm Beach Gardens, Florida (from 1998 to 2003, this program was sponsored by The Bayer Corporation of West Haven, CT)

C. Contribution to Science

1. A major focus of my work as an academic attending neurosurgeon has been diagnosis and treatment of skull-based and pituitary tumors.

- Arafah BM, **Selman WR**. Postoperative sellar hematoma after pituitary surgery: clinical and biochemical characteristics. *J Clin Endocrinol Metab*. Submitted 2015.
- Gittleman H, Ostrom QT, Farah PD, Ondracek A, Chen Y, Wolinsky Y, Kruchko C, Singer J, Kshetry VR, Laws ER, Sloan AE, **Selman WR**, Barnholtz-Sloan JS. Descriptive epidemiology of pituitary tumors in the United States, 2004-2009. *J Neurosurg*. 2014 Sep;121(3):527-35. doi: 10.3171/2014.5.JNS131819. Epub 2014 Jun 13.
- Al-Aridi R., El Sibai K., Fu P., Khan M, **Selman W.**, Arafah B. Clinical and biochemical characteristic features of metastatic cancer to the sella turcica: an analytical review. *Pituitary*. Published online: 12 December 2013.
- Miles JD, **Selman WR**, Ahmad SA, Alsheklee A. Cranial vault plasmacytoma presenting with hemorrhagic transient ischemic attacks. *J Stroke Cerebrovasc Dis*. 2010 Nov-Dec;19(6):510-1. doi: 10.1016/j.jstrokecerebrovasdis.2009.09.008. Epub 2010 Jul 2.

2. I have also carried out studies of gliomas both in terms of characterization and treatment.

- Abboud SE, Wolansky LJ, Manjila SV, Lo SS, Arafah BM, **Selman WR**, Couce ME, Rogers LR. Histologically Proven Radiation-Induced Brainstem Glioma 93 Months After External Beam Radiotherapy for Pituitary Macroadenoma: Radiation Treatment Dose and Volume Correlation. *J Neuroimaging*. 2015 Jul-Aug;25(4):674-6. doi: 10.1111/jon.12181. Epub 2014 Oct 27.
- Andersson U, Wibom C, Cederquist K, Aradottir S, Borg A, Armstrong GN, Shete S, Lau CC, Bainbridge MN, Claus EB, Barnholtz-Sloan J, Lai R, Il'yasova D, Houlston RS, Schildkraut J, Bernstein JL, Olson SH, Jenkins RB, Lachance DH, Wrensch M, Davis FG, Merrell R, Johansen C, Sadetzki S; Gliogene Consortium, Bondy ML, Melin BS. Germline rearrangements in families with strong family history of glioma and malignant melanoma, colon, and breast cancer. *Neuro Oncol*. 2014 Oct;16(10):1333-40. doi: 10.1093/neuonc/nou052. Epub 2014 Apr 9.

3. As pituitary tumors are frequently associated with endocrine problems. I have carried out a number of studies on Cushing's syndrome.

- Carmichael JD, Zada G, **Selman WR**. Making the diagnosis of cyclic Cushing's syndrome: a position statement from the topic editors. *Neurosurg Focus*. 2015 Feb;38(2):E8. doi: 10.3171/2014.11.FOCUS14778.
- Bansal V, El Asmar N, **Selman WR**, Arafah BM. Pitfalls in the diagnosis and management of Cushing's syndrome. *Neurosurg Focus*. 2015 Feb;38(2):E4. doi: 10.3171/2014.11.FOCUS14704. Review.
- Abdelmannan D, Chaiban J, **Selman WR**, Arafah BM. Recurrences of ACTH-secreting adenomas after pituitary adenectomy can be accurately predicted by perioperative measurements of plasma ACTH levels. *J Clin Endocrinol Metab*. 2013 Apr;98(4):1458-65. doi: 10.1210/jc.2012-3910. Epub 2013 Feb 28

D. Research Support

Ongoing

Completed

1. Primary Investigator, American Heart Association, Northeast Ohio Affiliate Grant-in-Aid Award, "Metabolic Analysis of Focal Cerebral Ischemia." #4480, July 1, 1985 through January 30, 1986.
2. Primary Investigator, Case Western Reserve University Biomedical Research Support Grant Program, "Metabolic Analysis of Focal Cerebral Ischemia." #RR-05410-24, November 1, 1985 through March 31, 1986.
3. Primary Investigator, Young Clinician Investigator Award, Research Foundation of the Association of Neurological Surgeons, "Metabolic Analysis of Focal Cerebral Ischemia." #4480R, January 1, 1987 through December 31, 1987.
4. Primary Investigator, American Heart Association, Northeast Ohio Affiliate Grant-in-Aid Award, "Metabolic Analysis of Focal Cerebral Ischemia." #4480R, January 1, 1987 through December 31, 1987.

5. Primary Investigator, National Institutes of Health, First Award, "Reversible Focal Cerebral Ischemia." #NEUA-1-R29, September 1, 1989 through August 31, 1994.
6. Research Mentor to Anthony G. Alastra, Case Western Reserve University, University Hospitals of Cleveland, Howard Hughes Medical Institute, "Pathophysiology of Reversible Focal Ischemia: Salvaging the Penumbra." June 1, 1994 through May 31, 1995.
7. Co-Investigator at University Hospitals of Cleveland, "A Randomized, Double-Blind, Placebo-Controlled Trial to Evaluate the Efficacy, Safety, Tolerability, and Pharmacokinetic/Pharmacodynamic Effects of a Targeted Concentration of Repinotan in Patients with Acute Ischemic Stroke." Bayer Corporation, December 1, 2001 through November 30, 2005.
8. Site PI at University Hospitals Case Medical Center: *Carotid Occlusion Surgery Study (COSS)*. University of North Carolina/National Institutes of Health (NINDS), December, 2007 - November, 2012. (\$20,150.00)
9. Principal Investigator at University Hospitals Case Medical Center: Study of Neuroprotective and Neurogenerative Effects of Amphetamine or Methamphetamine/CART from the NIH/NIDA, March 2010 – February 2012. (\$72,000.00)
10. Principal Investigator at University Hospitals Case Medical Center: *Intraoperative Stereotactic CT-guided Endoscopic Surgery – ICES (NIH/NINDS Protocol MISTIES-ICES)*. Johns Hopkins Medical Center/NIH. June 2009-2013. Analysis ongoing.
11. Co-Investigator at University Hospitals Case Medical Center: *Biomarker & Phase II study of GDC-0449 for recurrent GBM*. ARRA ACTNOW/National Institutes of Health, 2010-2013.