

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Cheney, Mack Lowell		POSITION TITLE Professor	
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Millsaps College, Jackson, MS	BS	1978	Biology
University of Mississippi Medical School, Jackson, MS	MD	1982	Medicine
Tulane University, Charity Hospital, New Orleans, LA		1982-1983	General Surgery
Tulane University, Charity Hospital, New Orleans, LA		1982-1988	Otolaryngology-Head & Neck Surgery
Harvard Medical School and Massachusetts Eye & Ear Infirmary, Boston, MA			Facial Plastic and Reconstructive Surgery

NOTE: The Biographical Sketch may not exceed four pages. Items A and B (together) may not exceed two of the four-page limit. Follow the formats and instructions on the attached sample.

A. Positions and Honors.

- 1982-1987 Resident Staff, Otolaryngology, Tulane Affiliated Hospitals, New Orleans, LA
- 1984-1987 Chief Resident, Louisiana Eye and Ear Institute, New Orleans
- 1984-1987 Resident Staff, Otolaryngology, Doctors Hospital of New Orleans
- 1982-1987 Resident Staff, Charity Hospital of New Orleans
- 1987-1988 Active Staff, Otolaryngology, Whidden Memorial Hospital, Everett, MA
- 1987-1993 Assistant Surgeon in Otolaryngology, Massachusetts Eye and Ear Infirmary, Boston, MA
- 1988-1990 Instructor of Otology and Laryngology, Harvard Medical School, Boston, MA
- 1988-present Director of Facial Plastic and Reconstructive Surgery Services, Massachusetts Eye and Ear Infirmary
- 1988-present Director, Fellowship in Facial Plastic and Reconstructive Surgery, Massachusetts Eye and Ear Infirmary
- 1990-1995 Assistant Professor of Otology and Laryngology, Harvard Medical School
- 1990-present Director of Otolaryngology Emergency Services, Massachusetts Eye and Ear Infirmary
- 1994-1998 Associate Surgeon in Otolaryngology, Massachusetts Eye and Ear Infirmary, Boston
- 1995-2006 Associate Professor of Otology and Laryngology, Harvard Medical School
- 1996-present Affiliate Surgeon, Massachusetts General Hospital (Surgery Service), Boston
- 1998-present Surgeon in Otolaryngology, Massachusetts Eye and Ear Infirmary, Boston
- 2003-2005 Clinical Associate Massachusetts General Hospital (Surgery Service), Boston
- 2006-present Professor of Otology and Laryngology, Harvard Medical School

B. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation.

1. Cheney ML, Varvares M, Nadol JB Jr. The temporoparietal fascial flap in head and neck reconstruction. Arch Otolaryngol Head Neck Surg 1993;119(6):618-23.
2. Cheney ML, McKenna MJ, Megerian CA, Ojemann RG. Early temporalis muscle transposition for the management of facial paralysis. Laryngoscope 1995;105:993-1000
3. Cheney ML, Gliklich RE. The use of calvarial bone in nasal reconstruction. Arch Otolaryngol Head Neck Surg 1995;121:643-8.

4. Cheney ML, Megerian CA, Brown MT, McKenna MJ, Nadol JB. The use of the temporoparietal fascial flap in temporal bone reconstruction. *Am J Otol* 1996;17:137-42. (Reprinted in *Year Book of Otolaryngology - Head and Neck Surgery*, 1997.)
5. Hadlock T, Elisseeff J, Langer R, Vacanti J, Cheney M. A tissue-engineered conduit for peripheral nerve repair. *Arch Otolaryngol Head Neck Surg* 1998;124:1081-6.
6. Gliklich RE, Rounds MF, Cheney ML, Varvares MA. Combining free flap reconstruction and craniofacial prosthetic technique for orbit, scalp and temporal defects. *Laryngoscope* 1998;108:482-7.
7. Hadlock TA, Vacanti JP, Cheney ML: Tissue engineering in facial plastic and reconstructive surgery. *Facial Plast Surg* 1998;14(3):197-203.
8. Rounds MF, Cheney ML, Quatela VC: Endoscopic facial surgery. *Facial Plast Surg* 1998;14(3):217-226.
9. Hadlock T, Koka R, Vacanti J, Cheney ML. A comparison of assessments of functional recovery in the rat. *J Peripher Nerv Syst* 1999;4(3-4):258-64.
10. Hadlock T, Sundback C, Koka R, Hunter D, Cheney M, Vacanti J. A novel, biodegradable polymer conduit delivers neurotrophins and promotes nerve regeneration. *Laryngoscope* 1999;109(9):1412-6.
11. Hadlock T, Sundback C, Hunter D, Cheney M, Vacanti JP. A polymer foam conduit seeded with Schwann cells promotes guided peripheral nerve regeneration. *Tissue Eng* 2000;6(2):119-27.
12. Petropoulos AE, Cheney ML. Induction of facial muscle neurotization by temporalis muscle transposition: literature review and animal model evaluation using horseradish peroxidase uptake. *J Otolaryngol* 2000;29(1):40-6.
13. Lai, A, Cheney ML. Temporoparietal fascial flap in orbital reconstruction. *Arch Facial Plast Surg* 2000;2(3):196-201.
14. Hadlock TA, Sundback CA, Hunter DA, Vacanti JP, Cheney ML. A new artificial nerve graft containing rolled Schwann cell monolayers. *Microsurgery* 2001;21(3):96-101.
15. Spiegel JH, Deschler DG, Cheney ML. Microvascular transplantation and replantation of rabbit submandibular gland. *Arch Otolaryngol Head Neck Surg* 2001;127(8):991-6.
16. Sundback C, Hadlock T, Cheney M, Vacanti J. Manufacture of porous polymer nerve conduits by a novel low pressure injection molding process. *Biomaterials* 2002;24:819-30.
17. Kim J, Hadlock T, Cheney M, Varvares M, Marler J. Muscle tissue engineering for the partial glossectomy defect. *Arch Facial Plast Surg* 2003;5:403-7.
18. Hadlock TA, Sheahan T, Cheney ML, Vacanti JP, Sundback CA. Biologic activity of nerve growth factor slowly released from microspheres. *J Reconstr Microsurg* 2003;19:179-84.
19. Hadlock T, Sheahan T, Heaton J, Sundback C, Mackinnon S, Cheney M. Baiting the cross-face nerve graft with temporary hypoglossal hookup. *Arch Facial Plast Surg* 2004;6:228-33.
20. Hadlock TA, Heaton J, Cheney M, Mackinnon SE. Functional recovery after facial and sciatic nerve crush injury in the rat. *Arch Facial Plast Surg* 2005;7:17-20.
21. Varvares MA, Lin D, Hadlock T, Azzizadeh B, Gliklich R, Rounds M, Rocco J, Deschler DG, Fabian R, Cheney ML. The success of multiple, sequential, free tissue transfers to the head and neck. *Laryngoscope* 2005;115(1):101-4.

Books

1. Urken MR, Cheney ML, Sullivan M, Biller HF. Atlas of regional free flaps for head and neck reconstruction. New York, New York: Raven Press; 1994, 353 pp.
2. Cheney ML. Facial surgery: plastic and reconstructive. Philadelphia, Pennsylvania: Williams & Wilkins; 1997, 982 pp.

C. Research Support.

Ongoing Research Support

Cheney (PI) 2000-2006
 Amelia Peabody Charitable Foundation
 Fellowship in Advanced Neural Repair
 Role: PI