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## **OTOLARYNGOLOGY**

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### **BRIEF DESCRIPTION**

The Department of Otolaryngology - Head and Neck Surgery is primarily concerned with the diagnosis and management of medical and surgical diseases of the head and neck. Areas of special expertise include the management of head and neck cancer, nose and sinus disease and otologic disease. An active bronchoesophagologic clinic, complete allergy clinic and maxillofacial trauma service are maintained. Special interests include the use of laser surgery for head and neck cancer, laser bronchoscopy for tracheobronchial tumors, pediatric airway management, cochlear implantation for the profoundly deaf, medical and surgical management of airway problems including sleep apnea, and the work of breathing as manifested in patients with upper airway obstruction. Ultrasound is now used in the Otolaryngology and Head Neck Surgery Clinic for head and neck exam, as well as evaluation of pediatric airway pathology.

### **HOW TO CONTACT US**

**PHONE** (general information): (919) 966-3341

**PHONE** (appointments): (919)966-6483, (919) 966-3325

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### **MAILING ADDRESS**

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Chapel Hill, NC 27599-7070

**Carolyn Hamby**

*Departmental Administrator*

**Work Phone:** (919) 966-3342



**Emily Buss, Ph.D., M.A.**

Associate Professor

Division of Auditory Research

Work Phone: (919) 843-9163

**Procedures/Research:**  
Psychoacoustics.

**Masters:** University of Pennsylvania, 1992, Psycholinguistics  
**Doctoral:** University of Pennsylvania, 1996, Psychoacoustics



**Hannah R. Eskridge, MSP, CCC-SLP,  
LSLS Cert. AVT**

Clinical Instructor, Director, Center for the Acquisition of  
Spoken language Through Listening Enrichment

Division of Auditory Research

Work Phone: (919) 419-1449

**Certifications:**  
CCC-SLP, American Speech Language Hearing Assoc. - *Board Certified*  
Speech-Language Pathology - *Board Certified*  
ASHA - *Board Certified*

**Masters:** University of South Carolina, 2001, Speech Pathology



**Charles C. Finley, Ph.D.**

Associate Professor

Division of Auditory Research

Work Phone: (919) 966-6763

**Procedures/Research:**  
Cochlear implant research.

**Doctoral:** University of North Carolina, 1983



**Douglas C. Fitzpatrick, Ph.D.**

Assistant Professor

Division of Auditory Research

Work Phone: (919) 966-6052

**Procedures/Research:**  
Neuronal bases of sound localization performance.

**Doctoral:** University of North Carolina, 1988



**John H. Grose, Ph.D., M.Sc.**

Professor

Division of Auditory Research

Work Phone: (919) 966-9777

**Procedures/Research:**  
Psychoacoustics.

**Masters:** University of Southampton, 1981, Audiology  
**Doctoral:** Northwestern University, 1987, Audiology



**Joseph W. Hall, III, Ph.D.**

Division Chief, Professor

Division of Auditory Research

Work Phone: (919) 966-6052

**Procedures/Research:**  
Psychoacoustics, cochlear implants.

**Doctoral:** University of North Carolina, 1976, Experimental Psychology  
**Masters:** University of North Carolina, 1980, Audiology  
**Fellowship:** Duke University, 1976-1980, Psychoacoustics



**Paul B. Manis, Ph.D.**

*Professor; Chief, Division of Research Training and Education*

**Division of Auditory Research**

**Work Phone:** (919) 966-6052

**Procedures/Research:**

Cellular basis of information processing in the auditory system.

**Doctoral:** University of Florida, 1981

**Research Associate:** University of Florida College of Medicine, 1981-1982, Neuroscience

**Fellowship:** Vanderbilt University School of Medicine, 1982-1985, Cell Biology (Anatomy)



**Patricia A. Roush, M.A., Au.D.**

*Assistant Professor; Director, Pediatric Audiology*

**Division of Auditory Research**

**Clinical Appointment Phone:** (919) 966-3325

**Work Phone:** (919) 843-1396

**Procedures/Research:**

Pediatric audiology.

**Certifications:**

Audiology - *Board Certified* (1977)

**Masters:** University of Iowa, 1976, Audiology

**Doctoral:** University of Florida, 2005, Audiology



**Holly Teagle, M.A., Au.D.**

*Assistant Professor*

**Division of Auditory Research**

**Work Phone:** (919) 419-1449

**Procedures/Research:**

Cochlear implants in children, childhood development after cochlear implantation, cochlear implant device efficacy, audiology.

**Certifications:**

Audiology - *Board Certified* (1986)

**Masters:** University of Iowa, 1985, Audiology

**Doctoral:** University of Florida, 2005, Audiology

**Fellowship:** University of Iowa Hospitals and Clinics, 1985-1986, Audiology



**William W. Shockley, M.D.**

*Division Chief, W. Paul Biggers Distinguished Professor*

**Division of Facial Plastic and Reconstructive Surgery  
Division of Head and Neck Oncology**



**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Facial plastic surgery, rhinoplasty, salivary and thyroid gland surgery.

**Certifications:**

Otolaryngology - *Board Certified* (1981)

**Medical School:** Indiana University, Indianapolis, IN, 1976

**Internship and Residency:** Good Samaritan Hospital, 1976-1978, Surgery

**Residency:** University of Cincinnati, 1978-1981, Otolaryngology-Maxillofacial Surgery

**Fellowship:** Methodist Hospital, 1981-1982, Head & Neck Surgery

**Marion E. Couch, M.D., Ph.D.**

*Associate Professor*

**Division of Head and Neck Oncology**

**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Head and neck surgical oncology, thyroid and parathyroid surgery, surgical airway management, microvascular free tissue transfer reconstruction. Research: tumor vaccines, molecular biology of head and neck cancer, gene therapy.

**Certifications:**

Otolaryngology - *Board Certified* (1997)

**Doctoral:** Rush University, 1988

**Medical School:** Rush Medical College, Chicago, IL, 1990

**Residency:** Johns Hopkins Hospital, 1991-1995, Otolaryngology-Head & Neck Surgery

**Internship:** Johns Hopkins Hospital, 1990-1991, General Surgery

**Postdoctoral Position:** Northwestern University, 1987-1987, Molecular Biology



**Trevor G. Hackman, M.D.**

*Assistant Professor*

**Division of Head and Neck Oncology**

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Head and neck surgical oncology, endocrine surgery, parotid surgery, transoral laser microsurgery, open and endoscopic skull base surgery, head and neck reconstruction, minimally invasive head and neck surgery, sinus surgery.

**Medical School:** University of Pittsburgh, Pittsburgh, PA, 2003

**Residency:** University of Pittsburgh, 2004-2008, Otolaryngology/Head and Neck Surgery

**Fellowship:** Washington University St. Louis, 2008-2009, Head & Neck Microvascular



**Carol G. Shores, M.D., Ph.D.**

*Associate Professor, Wake AHEC*

**Division of Head and Neck Oncology**

**Work Phone:** (919) 350-7858

**Procedures/Research:**

Head and neck surgical oncology, including salivary malignancies, thyroid surgery, and surgical airway management.

**Certifications:**

Otolaryngology - *Board Certified* (2001)

**Doctoral:** University of North Carolina, 1988

**Medical School:** University of North Carolina, Chapel Hill, NC, 1995

**Internship:** University of North Carolina School of Medicine, 1995-1996, General Surgery

**Residency:** University of North Carolina School of Medicine, 1996-2000, Otolaryngology/Head and Neck Surgery



**Mark C. Weissler, M.D.**

*Division Chief, Joseph P. Riddle Distinguished Professor*

**Division of Head and Neck Oncology**

**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Head and neck cancer, laser utilization in head and neck surgery, voice disorders, laryngeal/tracheal stenosis, skull base cancer, cerebrospinal fluid leaks.

**Certifications:**

Otolaryngology - *Board Certified* (1985)

**Medical School:** Boston University, Boston, MA, 1980

**Residency:** Massachusetts General Hospital, 1980-1982, General Surgery  
Massachusetts Eye and Ear Infirmary, 1982-1985, Otolaryngology

**Fellowship:** University of Cincinnati, 1985-1986, Head & Neck Oncologic Surgery



**Xiaoying Yin, M.D.**

*Assistant Professor*

**Division of Head and Neck Oncology**

**Work Phone:** (919) 966-3864

**Procedures/Research:**

Head and neck cancer research

**Medical School:** Xi'an Medical University, Xi'an, China, 1983

**Post-Doctoral:** University of Pittsburgh, 1990, Pathology

**Masters:** University of Pittsburgh, 1993, Molecular Biology



**Oliver F. Adunka, M.D.**

*Assistant Professor*

**Division of Otology/Neurotology and Skull Base Surgery**

**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Otology, neurotology, lateral skull base surgery, acoustic tumors, cochlear implantation, hearing preservation

**Certifications:**

Otolaryngology - *Board Certified*

**Medical School:** Medical University of Vienna, Vienna, Austria, 1993-1999

**Residency:** J.W. Goethe University Frankfurt am Main, 1999-2004, Otolaryngology

**Post-Doctoral:** J.W. Goethe University Frankfurt am Main, 2004-2005, Cochlear Implantation



**Craig A. Buchman, M.D., F.A.C.S.**

*Division Chief, Vice Chair for Clinical Affairs, Professor*

**Division of Otology/Neurotology and Skull Base Surgery  
Division of Neurosurgery**

**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Otology, neurotology, lateral skull base surgery, acoustic tumors, cochlear implants, hearing preservation.

**Certifications:**

Otolaryngology - *Board Certified* (1997)

**Medical School:** University of Florida, Gainesville, FL, 1990

**Internship:** University of Pittsburgh School of Medicine, 1990-1991, Surgery

**Research Fellow:** University of Pittsburgh School of Medicine, 1991-1992, Otolaryngology

**Residency:** University of Pittsburgh School of Medicine, 1992-1996, Otolaryngology

**Fellowship:** House Eye Institute and Clinic, 1996-1997, Otology/Neurotology/Skull Base Surgery



**Harold C. Pillsbury, III, M.D., F.A.C.S.**

*Chair, Thomas J. Dark Distinguished Professor*

**Division of Otology/Neurotology and Skull Base Surgery**

**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-8926

**Procedures/Research:**

Otolaryngology, neurotology, facial plastic surgery, otolaryngologic allergy, cochlear implantation, acoustic tumors, skull base surgery, laser utilization in head and neck cancer.

**Certifications:**

Otolaryngology - *Board Certified* (1978)

**Medical School:** George Washington University, Washington, DC, 1972

**Residency:** University of North Carolina, 1972-1973, General Surgery  
University of North Carolina, 1973-1976, Otolaryngology



**Amelia F. Drake, M.D.**

*Newton D. Fischer Distinguished Professor, Division Chief;  
Director, UNC Craniofacial Center*



**Division of Pediatric Otolaryngology**

**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Pediatric otolaryngology, pediatric airway disorders, craniofacial anomalies.

**Certifications:**

Otolaryngology - *Board Certified* (1987)

**Medical School:** University of North Carolina, Chapel Hill, NC, 1981

**Residency:** University of Michigan Medical Center, 1981-1983, Surgery  
University of Michigan Medical Center, 1983-1987, Otolaryngology/Head and Neck Surgery

**Fellowship:** Cincinnati Children's Hospital, 1987-1988, Pediatric Otolaryngology

**Austin S. Rose, M.D.**

*Associate Professor*



**Division of Pediatric Otolaryngology**

**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Pediatric otolaryngology, reconstructive airway surgery, chronic ear disease. Research: airway pathology, etiology and treatment of subglottic stenosis.

**Certifications:**

Otolaryngology - *Board Certified* (2003)

**Medical School:** University of North Carolina, Chapel Hill, NC, 1997

**Fellowship:** Johns Hopkins Hospital, 2002-2003, Pediatric Otolaryngology  
**Residency:** University of North Carolina School of Medicine, 1998-2002, Otolaryngology/Head and Neck Surgery

**Internship:** University of North Carolina School of Medicine, 1997-1998, General Surgery

**Carlton J. Zdanski, M.D.**

*Associate Professor; Medical Director, N.C. Children's Airway Center*



**Division of Pediatric Otolaryngology**

**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Pediatric otolaryngology, reconstructive airway surgery, cochlear implantation, microtia repair, cleft palate, pediatric head and neck masses.

**Certifications:**

Otolaryngology - *Board Certified* (2000)

**Medical School:** University of North Carolina, Chapel Hill, NC, 1994

**Residency:** University of North Carolina School of Medicine, 1994-1999, Otolaryngology/Head and Neck Surgery

**Fellowship:** Children's Hospital of Pittsburgh, 1999-2001, Pediatric Otolaryngology

**Esa A. Bloedon, M.D.**

Assistant Professor, Wake AHEC

Division of Rhinology/Allergy/Sinus Surgery

Work Phone: (919) 350-7858

**Procedures/Research:**

General otolaryngology, pediatric otolaryngology, thyroid and parathyroid disease, rhinology, endoscopic sinus surgery.

**Certifications:**

Otolaryngology - Board Eligible

**Residency:** Thomas Jefferson University Hospital, 2003-2008, Otolaryngology/Head and Neck Surgery

**Medical School:** Thomas Jefferson Medical College, Philadelphia, PA, 1999-2003



**Brett E. Dorfman, M.D.**

Assistant Professor, Wake AHEC

Division of Rhinology/Allergy/Sinus Surgery

Work Phone: (919) 350-7858

**Procedures/Research:**

Rhinology, allergy, sinus surgery, care of the professional voice.

**Certifications:**

Otolaryngology - Board Certified (2002)

**Medical School:** Emory University, Atlanta, GA, 1996

**Residency:** Duke University, 1997-2001, Otolaryngology



**Charles S. Ebert, Jr., M.D., M.P.H.**

Assistant Professor

Division of Rhinology/Allergy/Sinus Surgery

Work Phone: 919-966-3342

**Procedures/Research:**

Research interests include the genetic analysis of sinonasal mucosa for inflammatory sinus disease markers and subsequent development of therapeutic targets.

**MPH:** University of North Carolina School of Public Health, 2002, Epidemiology

**Doctoral:** University of North Carolina School of Medicine, 1997-2002

**Residency:** University of North Carolina School of Medicine, 2002-2009, Otolaryngology/Head and Neck Surgery - Research Track

**Fellowship:** Georgia Nasal and Sinus Institute, 2009-2009, Rhinology



**Michael O. Ferguson, M.D.**

Assistant Professor, Wake AHEC

Division of Rhinology/Allergy/Sinus Surgery

Work Phone: (919) 350-7858

**Procedures/Research:**

General and pediatric otolaryngology, rhinology, allergy, sinus surgery, head and neck oncology.

**Certifications:**

Otolaryngology - Board Certified (2002)

**Medical School:** University of North Carolina, Chapel Hill, NC, 1997

**Residency:** University of North Carolina, 1997-1998, Surgery

University of North Carolina, 1998-2002, Otolaryngology/Head and Neck Surgery



**Allen F. Marshall, M.D.**

Assistant Professor, Wake AHEC

Division of Rhinology/Allergy/Sinus Surgery

Work Phone: (919) 350-7858

**Doctoral:** University of North Carolina School of Medicine, 2004

**Residency:** University of North Carolina School of Medicine, 2004-2009, Otolaryngology/Head and Neck Surgery



**Brent A. Senior, M.D.**

Professor, Division Chief, Vice Chair for Academic Affairs

Division of Rhinology/Allergy/Sinus Surgery  
Division of Neurosurgery

Clinical Appointment Phone: (919) 966-6483

Work Phone: (919) 966-3342

**Procedures/Research:**

Endoscopic minimally invasive management of sinusitis, CSF rhinorrhea, and tumors of the anterior skull base; surgical management of sleep apnea and snoring; allergy.

**Certifications:**

Otolaryngology - Board Certified (1996)

**Medical School:** University of Michigan, Ann Arbor, MI, 1990

**Residency:** Boston University, 1990-1991, General Surgery

The Combined Otolaryngology Training Program of Boston University and Tufts University, 1990-1991, Otolaryngology-Head & Neck Surgery

**Fellowship:** University of Pennsylvania Medical Center, 1995-1996, Rhinology and sinus surgery



**Adam M. Zanation, M.D.**

*Assistant Professor*

**Division of Rhinology/Allergy/Sinus Surgery  
Division of Head and Neck Oncology**



**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Skull base tumors, sinonasal tumors, CSF rhinorrhea, minimally invasive head and neck tumor surgery, parotid tumors, head and neck sarcomas, rhinology, sinus surgery

**Certifications:**

Otolaryngology - *Board Certified*

**Fellowship:** University of Pittsburgh Medical Center, 2007-2008, Skull Base Oncology

**Residency:** University of North Carolina, 2002-2007, Otolaryngology/Head and Neck Surgery

**Medical School:** University of North Carolina, Chapel Hill, NC, 1997-2002

**Robert A. Buckmire, M.D.**

*Associate Professor, Division Chief*

**Division of Voice and Swallowing Disorders**



**Clinical Appointment Phone:** (919) 966-6483

**Work Phone:** (919) 966-3342

**Procedures/Research:**

Voice and swallowing disorders, diagnostic laryngeal EMG, laryngeal framework surgery, microsurgical treatment of laryngeal pathology.

**Certifications:**

Otolaryngology - *Board Certified* (2000)

**Medical School:** University of Virginia, Charlottesville, VA, 1994

**Residency:** University of North Carolina, 1994-1999, Otolaryngology

**Fellowship:** Vanderbilt University, 1999-2000, Laryngology

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