Department of Otolaryngology

The Department of Otolaryngology-Head & Neck Surgery at Washington University in St. Louis has a rich, 130-year history of leadership in our field that is built on the foundations of academic medicine: patient care, research, training and service. Our past leaders include luminaries in the field of otolaryngology such as John Blasdell Shapleigh, MD, Greenfield Sluder, MD, Lee Wallace Dean, MD, Theodore Walsh, MD, Joseph Ogura, MD, John Fredrickson, MD, Richard A. Chole, MD, PhD, and most recently Craig A. Buchman, MD, FACS. Even from our earliest days, prior to the inception of the McMillan Eye, Ear, Nose and Throat Hospital (circa 1943), excellence has been an integral part of the department's fabric. A look at former faculty and program graduates reveals many of the true innovators in our field. While we remain humbled by our beginnings and past achievements, we choose not to rest on our laurels. Rather, we aspire to further our commitment to improving patients' lives by leading our field and its clinical application.

Today more than ever, we are driven to provide the highest quality, cutting-edge patient care that is both safe and effective. Our Washington University physicians and team, together with our Honor Roll Award-winning hospital, Barnes-Jewish Hospital (U.S. News, 2015-16), are second to none in tackling the full spectrum of conditions involving the ear, nose, throat, head and neck. Our basic, translational and clinical research programs are remarkable, providing answers to a variety of relevant questions that build on our foundations of knowledge, lay the groundwork for future clinical trials, and provide cutting-edge patient solutions. Our educational programs for medical and graduate students, physicians in training, and established practitioners are committed to creating a culture of lifelong learning that firmly establishes our next generation of leaders in the field. Our residency program is highly rated by all metrics, providing balanced training across the clinical subspecialties and unique opportunities for growth and development as clinician scientists (T32 training grant) and educators. We are most proud that these activities are ongoing in a work culture that values collegiality, inclusiveness, diversity and mutual respect.

The Department of Otolaryngology-Head & Neck Surgery at Washington University in St. Louis is a really outstanding place!

CID at Washington University School of Medicine

The consortium of graduate education, research and clinical programs known today as CID at Washington University School of Medicine was born out of the pioneering efforts of St. Louis physician Max Goldstein, MD. In 1914, he founded the Central Institute for the Deaf (CID), where doctors and teachers worked together to help deaf people. When CID's school building opened two years later, its auditory/oral methods for instructing deaf children were groundbreaking.

Washington University and CID first joined forces in 1931, when CID's established teacher training program became the first deaf education undergraduate program to affiliate with a university. Graduate programs in deaf education, audiology, and speech and hearing sciences soon followed.

CID's research efforts began in the 1930s to study the anatomy and science of hearing. During World War II, CID's research on hearing loss in military personnel laid the foundation for the field of audiology. CID also pioneered hearing testing and hearing aids and opened the country's first hearing aid clinic in 1941. In September 2003, a new affiliation transferred CID's graduate degree programs, research programs and adult audiology clinic, along with its building, to Washington University School of Medicine. The CID school continues to operate on the School of Medicine campus as CID — Central Institute for the Deaf.

Today, these programs continue to work together to fulfill a shared mission to serve people with hearing loss.

Website: http://oto.wustl.edu

Degrees & Requirements

While the Department of Otolaryngology does not offer its own degree, some of the department's courses are open to students in the MD and MSTP (MD/PhD) programs. Further information about the MD and MSTP degrees can be found in the Degrees & Programs Offered section of this Bulletin.

Otolaryngology Course Requirements

Otolaryngology is presented to students in the first-, second-, third- and fourth-year classes. Physical diagnosis skills are taught in the first year. Clinically oriented lectures and a physical diagnosis workshop are presented to second-year students. In the third year of the medical curriculum, four-week elective rotations on one of the services at Barnes-Jewish Hospital or St. Louis Children's Hospital are offered. During this period, there is teaching at the bedside, in the operating room and in the clinic, supplemented by daily afternoon lectures, Grand Rounds on Wednesdays, and an introduction to audiology.

Fourth-year students interested in ENT as a specialty may take a two- to four-week elective designed to give them exposure to patient care, both in the outpatient clinic and the operating room and postoperative setting. An additional four-week elective that provides comprehensive ambulatory experience is offered to students headed for primary care.

Website: http://oto.wustl.edu
Research

M55 Oto 900

The type of research will depend upon the current phase of the research program in each laboratory. Students should contact the director of each laboratory to negotiate.

Pablo M Blazquez, PhD
East McDonnell Science Building
4566 Scott Avenue
Phone: 314-362-1013
Role of the vestibulo-cerebellum and its target nuclei in eye movement control and spatial orientation. We used a range of methodologies: single and multiunit recordings, electrical brain stimulation, computational methods, pharmacology and behavioral studies. Our main lines of research are: 1) Signal transformations carried out by the the vestibulo-cerebellum during visual and vestibular stimulation. 2) Physiology of the vestibular nuclei. 3) Role of the cerebellum-brainstem loop in motor learning in the vestibulo-ocular reflex.

Students will be instructed in one or several techniques and are expected to contribute significantly to the development of specific lab projects.

Joel A. Goebel, MD, FACS
McMillan, 9th Floor
Phone: 314-362-7344
Clinical research testing of posture and ocular motor control. Projects include measurement of gaze stabilization during head movement, otolith input into dynamic subjective visual vertical measurements, computerized historical data screening for dizziness, and head-mounted vibrotactile balance prosthesis (BalCap). We welcome students to join these projects at any stage.

Judith E.C. Lieu, MD, MSPH
3S35 Children's Hospital; and McMillan, 9th Floor
Phone: 314-747-8205
Clinical Outcomes Research in Pediatric Otolaryngology.
The Clinical Outcomes Research office performs clinical epidemiology and health services research. (Please reference the research elective offered by Dr. Jay Piccirillo in otolaryngology for more details.) These techniques and methodologies are used to investigate clinical problems seen in pediatric otolaryngology. Projects currently underway include the evaluation of quality of life of children with hearing loss, progression of hearing loss in children, and evaluation of unilateral hearing loss, use of functional connectivity MRI to investigate effects of hearing loss in children, and quality of life of parents whose young children have recurrent otitus media. Other projects of the student's choosing that would utilize these research techniques may also be pursued.

Kevin K. Ohlemiller, PhD
2205 Central Institute for the Deaf
Phone: 314-747-7179
Gene/environment interactions in cochlear injury. We study the interaction of genes and environment that increase cochlear injury due to noise and ototoxic exposure, with an emphasis on how these may yield apparent presbycusis. Because cochlear function and injury is the same in mice and humans, and governed by the same genes, we use mostly mouse models. Methods employed include standard ABR assessment and intra-cochlear recording, quantitative light microscopy, immunohistochemistry, and western blots. We also collaborate to map and perform expression profiling of genes that underlie traits we have discovered. We and our collaborators have identified specific genes and inbred strains of mice that mimic the three major forms of human presbycusis (sensory, neural and strial). Sensory presbycusis appears promoted by alleles and mutations that impair protective factors such as antioxidant enzymes, or that impair ion homeostasis. Neural presbycusis can be modeled by mutations that alter the function of cholinergic receptors. While we are not sure what types of genes and mutations can lead to strial presbycusis, we have discovered four mouse strains that show the key feature of this disease (age-related endocochlear potential reduction), and also show distinct types of strial pathology.

We have shown that some of the same gene alleles and mutations that promote presbycusis also promote cochlear noise injury. Such findings point to an interpretation of sensory presbycusis as principally cumulative injury. We have also published evidence for one or more QTLs that impact the qualitative character of noise injury. Important implications of our findings are (1) that there exists no single "mammalian" archetype of cochlear noise injury, and (2) that injury to the organ of Corti and lateral wall are mechanistically and genetically independent.

Our research is eminently adaptable in difficulty and scale to students’ schedules and other requirements. Students may expect to learn the full range of methods we employ, including physiology, immunohistochemistry, histopathology, and cellular/molecular techniques.

Jay F. Piccirillo, MD
McMillan, 9th Floor
Phone: 314-362-8641
The Clinical Outcomes Research Office of the Division of Research performs basic and applied clinical epidemiology and health services research. Clinical epidemiology is the study of the diagnosis, prognosis, and evaluation of treatment. Health service research is the study of the delivery of health care. The scientific methodology of clinical epidemiology is based on the architecture of clinical research, biostatistics and data processing. Current projects include studying the impact of comorbidities on treatment and outcome for patients with cancer. We also conduct research into the neurobiology, treatment and outcomes for patients with tinnitus. We also use smart-phone technology to capture ecological momentary assessment of tinnitus. Additional projects include exploiting neuroplasticiy as
part of olfactory training for patients with anosmia. Using clinical epidemiology methodology, we can also study a variety of other diseases.

### Faculty

#### Department Head
Craig A. Buchman, MD, FACS
Visit our website for more information about our faculty (http://oto.wustl.edu/About-Us/Faculty-Physicians) and their appointments.

**A**

Marc Bruce Abrams, DDENT
Instructor in Clinical Otolaryngology (primary appointment)
BA University of MO Kansas City 1968
DDENT University of MO Kansas City 1972

Azadeh Afshari, MS, DDENT
Instructor in Clinical Otolaryngology (primary appointment)
MS Univ of Texas Med Sch Houston 2013
BS West Virginia University 2004
DDENT Univ of Texas Med Sch Houston 2014

Nawal Mona Ahmed
Instructor in Clinical Otolaryngology (DDS) (primary appointment)

Murray Howard Appelbaum, DDENT
Instructor in Clinical Otolaryngology (DMD) (primary appointment)
DDENT Washington Univ in St. Louis 1983

**B**

Sean B Bailey, MD, MS
Instructor in Clinical Otolaryngology (primary appointment)
MD Tulane University 1987
MS Tulane University 1988
BS Tulane University 1981

Jianxin Bao, PHD
Adjunct Associate Professor of Otolaryngology (primary appointment)
PHD University of Florida 1992

Perry J Bartels, DDENT
Instructor in Clinical Otolaryngology (primary appointment)
BA Ripon College 1986
DDENT Marquette University 1991

Lynda Cheryl Berkowitz, MS
Instructor in Otolaryngology (primary appointment)
Instructor in Audiology and Communication Sciences
MS Washington Univ in St. Louis 1983
BS University of Illinois 1981

Pablo M Blazquez Gamez, PHD
Assistant Professor of Otolaryngology (primary appointment)
PHD University of Seville 1998

Joseph P Bradley, MD
Assistant Professor of Otolaryngology (primary appointment)
MD University of Kansas Medical 2008
BS Washington Univ in St. Louis 2003

Gregory Harris Branham, MD
Professor of Otolaryngology (primary appointment)
BS University of South Carolina 1979
MD University of South Carolina 1983

Craig Alan Buchman, MD
Lindburg Professor of Otolaryngology (primary appointment)
Head of the Department of Otolaryngology
MD University of Florida 1990
BA University of Georgia 1986

**C**

Douglas A Carano, DDENT
Instructor in Clinical Otolaryngology (DDS) (primary appointment)
BS University of Iowa 1981
DDENT University of Iowa 1984

Chad Phadung Chadaratana, MD, UNKNOWN
Instructor in Clinical Otolaryngology (primary appointment)
MD School Not Listed 1964

John Jeonhwan Chi, MD, MS
Assistant Professor of Otolaryngology (primary appointment)
MD SUNY DOWNSTATE MED BROOKLYN 2007
MS City College 2003
BS Columbia University 2001

John N Chiapel
Instructor in Clinical Otolaryngology (primary appointment)

Richard A Chole, PHD, MD
Professor of Otolaryngology (primary appointment)
Professor of Audiology and Communication Sciences
Professor of Developmental Biology
PHD University of Minnesota 1977
MD University of Southern Calif 1969

William W. Clark, PHD1, MS, PHD
Professor of Otolaryngology (primary appointment)
Director of the Program in Audiology and Communication Sciences
Professor of Audiology and Communication Sciences
Professor of Education
PHD1 University of Michigan 1975
MS University of Michigan 1973
BA University of Michigan 1969
PHD University of Michigan 1975

Gene C Cohen, DDENT
Instructor in Clinical Otolaryngology (DDS) (primary appointment)
DDENT University of Missouri 1975
BS University of Missouri 1971

Sheldon C Cohen, DDENT
Instructor in Clinical Otolaryngology (primary appointment)
BS Washington Univ in St. Louis 1973
DDENT Southern Illinois University 1976

William Mark Cohen, DDENT, MS
Instructor in Clinical Otolaryngology (primary appointment)
DDENT Washington Univ in St. Louis 1988
MS University of North Carolina 1991

John Michael Conoyer, MD
Instructor in Clinical Otolaryngology (primary appointment)
MD Vanderbilt University 1975
BS Southeast Missouri St Univers 1971

Lisa S. Davidson, MS, PHD
Associate Professor of Otolaryngology (primary appointment)
Associate Professor of Audiology and Communication Sciences
MS Washington Univ in St. Louis 1987
PHD Washington Univ in St. Louis 2003
BS East Tennessee State Univers 1985

Richard Davidson, DDENT, MS
Instructor in Clinical Otolaryngology (DMD) (primary appointment)
BA Washington Univ in St. Louis 1966
DDENT Washington Univ in St. Louis 1970
MS University of Missouri 1979

Sheldon L Davis
Assistant Professor of Clinical Otolaryngology (primary appointment)

Andrew J. Drescher, MD
Assistant Professor of Otolaryngology (primary appointment)
MD University of Michigan 2002
BS Yale University 1998

Norman Steven Druck, MD
Assistant Professor of Clinical Otolaryngology (primary appointment)
BA Washington Univ in St. Louis 1967
MD University of Illinois 1970

Katherine Dunsky, MD
Assistant Professor of Otolaryngology (primary appointment)
MD Saint Louis University 2010

Tamara Kay Ehler, MD
Instructor in Clinical Otolaryngology (primary appointment)
MD Univ of Wisconsin Madison 1983
BA Northwestern University 1979

Mohamed Elsafi
Assistant Professor of Clinical Otolaryngology (primary appointment)

Brian T Faddis, MS, PHD
Assistant Professor of Otolaryngology (primary appointment)
Assistant Professor of Audiology and Communication Sciences
BS University of California 1982
MS University of California 1989
PHD University of California 1994

James A Fernandez, MD
Instructor in Clinical Otolaryngology (primary appointment)
BS University of Notre Dame 1977
MD Saint Louis University 1981

Jeffrey T Fierstein, MD
Assistant Professor of Clinical Otolaryngology (primary appointment)
MD School Not Listed 1971
BA Dartmouth College 1968

Debra Fink, MS, DDENT
Assistant Professor of Otolaryngology (primary appointment)
MS University of Scranton 1981
BA Barnard College 1971
DDENT Washington Univ in St. Louis 1988

Charles Coleman Finley
Adjunct Research Associate Professor of Otolaryngology (primary appointment)

Jill B Firszt, MS, PHD
Professor of Otolaryngology (primary appointment)
Professor of Audiology and Communication Sciences
MS University of Illinois 1982
PHD University of Illinois 1998
BS University of Illinois 1978

Joel Goebel, MD
Professor of Otolaryngology (primary appointment)
BS University of Notre Dame 1976
MD Washington Univ in St. Louis 1980

Richard I Goldberg, DDENT
Instructor in Clinical Otolaryngology (DMD) (primary appointment)
DDENT Washington Univ in St. Louis 1988
BA Washington Univ in St. Louis 1981

Barry Steven Goldenberg, DDENT, MS
Instructor in Clinical Otolaryngology (DMD) (primary appointment)
BA Fairleigh Dickinson University 1975
DDENT Washington Univ in St. Louis 1982
Debra Ann Gonzalez, MD
Assistant Professor of Otolaryngology (primary appointment)
MD Cornell University 1987
BS Wellesley College 1982

James Dean Gould, MD
Instructor in Clinical Otolaryngology (primary appointment)
BA University of Virginia 1989
MD University of Virginia 1993

Michael Anne Gratton, PHD
Professor of Otolaryngology (primary appointment)
PHD State Univ of NY Buffalo 1989

Christine Hilleary Gustus, MS
Instructor in Otolaryngology (primary appointment)
Instructor in Audiology and Communication Sciences
BS Purdue University 1973
MS Washington Univ in St. Louis 1975

Jason M. Hanson, MD
Instructor in Clinical Otolaryngology (primary appointment)
BA Johns Hopkins University 1988
MD Northwestern University 1992

Archie B Harmon Jr, MA, PHD
Instructor in Otolaryngology (primary appointment)
MA University of Central Florida 2006
BA University of Florida 2002
PHD Florida State University 2010

William Hartel
Instructor in Clinical Otolaryngology (primary appointment)

Jay Fredrick Hauser, DDENT
Instructor in Clinical Otolaryngology (primary appointment)
BA University of Tulsa 1983
DDENT University of Iowa 1988

Heather Hayes, M ED, PHD
Associate Professor of Otolaryngology (primary appointment)
Associate Professor of Audiology and Communication Sciences
Director of Deaf Education Studies in Audiology and Communication Sciences
M ED Smith College 2005
BA Emory University 1995
PHD Washington Univ in St. Louis 2009

Jacques A Herzog, MD
Associate Professor of Otolaryngology (primary appointment)
BA University of Missouri 1980
MD University of MO Kansas City 1980

Keiko Hirose, MD
Professor of Otolaryngology (primary appointment)
Professor of Audiology and Communication Sciences
Professor of Pediatrics

Vice Chairman for Pediatrics Dept of Otolaryngology
MD Harvard University 1993

Lawrence M Hoffman, DDENT
Instructor in Clinical Otolaryngology (DMD) (primary appointment)
DDENT Washington Univ in St. Louis 1976
BA Indiana University Bloomington 1972

Dee Jay Hubbard, MA1, MA, PHD
Adjunct Assistant Professor of Otolaryngology (Speech Pathology) (primary appointment)
MA1 University of Missouri 1999
MA University of Iowa 1965
BS Kansas State University 1962
PHD University of Iowa 1967

Timothy Everett Hullar, MD
Adjunct Professor of Otolaryngology (primary appointment)
MD Harvard University 1996
BS Stanford University 1990

Ryan Scott Jackson, MD
Assistant Professor of Otolaryngology (primary appointment)
MD Saint Louis University 2009
BA Saint Louis University 2004

Arnold Scott Jacobson, MS, DDENT
Instructor in Clinical Otolaryngology (DMD) (primary appointment)
MS University of Missouri 1977
DDENT Washington Univ in St. Louis 1976
BA University of Missouri 1970

Susan Jerger
Adjunct Research Professor of Otolaryngology (primary appointment)

Timothy N Kaiser, MD
Assistant Professor of Clinical Otolaryngology (primary appointment)
MD Harvard University 1982
BS University of Oklahoma 1978

Eugenia Kardaris
Instructor in Clinical Otolaryngology (DDS) (primary appointment)

Tejbeer Kaur, PHD, PHARMD, BAS
Instructor in Otolaryngology (primary appointment)
PHD Southern Illinois University 2012
PHARMD Delhi University 2007
BAS Delhi University 2005

Cristine Nicole Klatt-Cromwell, MD
Assistant Professor of Otolaryngology (primary appointment)
MD University of Oklahoma 2011
Robert R Mac Donald III, MD  
Instructor in Clinical Otolaryngology (primary appointment)  
BA Duke University 1989  
MD Washington Univ in St. Louis 1993

Kamlesh R Makwana, DDENT  
Instructor in Clinical Otolaryngology (DDS) (primary appointment)  
DDENT Marquette University 1996  
BA Univ of Wisconsin Madison 1992

Marshall S Manne, DDENT, MS  
Instructor in Clinical Otolaryngology (DDS) (primary appointment)  
BA Washington Univ in St. Louis 1956  
DDENT Washington Univ in St. Louis 1960  
MS Indiana University Bloomington 1964

Philip Latham Martin, MD  
Associate Professor of Clinical Otolaryngology (primary appointment)  
MD Saint Louis University 1968

Alicia B Matayoshi  
Instructor in Clinical Otolaryngology (DDS) (primary appointment)

Claire Matthews, PHD, MA  
Adjunct Assistant Professor of Otolaryngology (Speech Pathology) (primary appointment)  
PHD University of Kansas 1980  
BA University of Kansas 1969  
MA University of Kansas 1978

Scott A McClain, DDENT  
Instructor in Clinical Otolaryngology (DDS) (primary appointment)  
DDENT University of Missouri 1991  
BS Graceland College 1987

Murray D McGrady, MD  
Instructor in Clinical Otolaryngology (primary appointment)  
BS University of Illinois 1982  
MD University of Illinois 1986

Jonathan L McJunkin, MD  
Assistant Professor of Otolaryngology (primary appointment)  
MD Jefferson Medical College 2005  
BS Northwestern University 2001

John W McKinney, MD  
Instructor in Clinical Otolaryngology (primary appointment)  
BS Southeast Missouri St Univers 1975  
MD University of Missouri 1979

Maithilee D Menezes, MD  
Assistant Professor of Otolaryngology (primary appointment)  
MD Grinnell College 2002  
BS Grinnell College 1997

Robert Leslie Kleinfeld, DDENT  
Instructor in Clinical Otolaryngology (DMD) (primary appointment)  
DDENT Washington Univ in St. Louis 1985

George R Kletzker, MD  
Assistant Professor of Clinical Otolaryngology (primary appointment)  
MD University of Missouri 1984  
BA University of Missouri 1980

David Seamus Leonard, MBCHB, MHA  
Assistant Professor of Otolaryngology (primary appointment)  
MBCHB National University of Ireland 2000  
BA Dartmouth College 1995  
MHA Harvard University 2012

Laurence A Levine, DDENT, MA, MD  
Associate Professor of Clinical Otolaryngology (primary appointment)  
DDENT New York University 1967  
MA Hofstra University 1963  
BA Hofstra University 1962  
MD Albany Medical College 1971

Jeffery Lichtenhan, MSSH, PHD, BAS  
Assistant Professor of Otolaryngology (primary appointment)  
Assistant Professor of Audiology and Communication Sciences  
MSSH University of Kansas Medical 2002  
PHD University of Kansas 2006  
BAS University of Kansas 2000

Judith E Lieu, MD  
Associate Professor of Otolaryngology (primary appointment)  
Vice Chairman Education Department of Otolaryngology  
BS University of CA Davis 1988  
MD Washington Univ in St. Louis 1992

Michael Lillmars, DDENT  
Instructor in Clinical Otolaryngology (DDS) (primary appointment)  
DDENT Northwestern University 1984  
BA Drury College 1979

Robert Douglas Lowe, DDENT  
Instructor in Clinical Otolaryngology (DMD) (primary appointment)  
BA Washington Univ in St. Louis 1977  
DDENT Washington Univ in St. Louis 1982

Richard W Maack, MD  
Instructor in Clinical Otolaryngology (primary appointment)  
MD University of Maryland 1985  
BS Muhlenberg College 1981
David W. Molter, MD  
Professor of Otolaryngology (primary appointment)  
MD Duke University 1988  
BS Duke University 1980

Stewart Edward Moreland, DDENT  
Instructor in Clinical Otolaryngology (DMD) (primary appointment)  
DDENT Washington Univ in St. Louis 1983  
BA University of Missouri 1978

Nancy Tye Murray, MS, PHD  
Professor of Otolaryngology (primary appointment)  
Professor of Audiology and Communication Sciences  
BS Texas Christian University 1977  
MS University of Iowa 1979  
PHD University of Iowa 1984

Johanna Grant Nicholas, MA, PHD  
Adjunct Associate Professor of Otolaryngology (primary appointment)  
MA University of Northern Colorado 1982  
PHD Washington Univ in St. Louis 1990  
BA University of Northern Colorado 1978

Margaret A Ogden, MD  
Associate Professor of Otolaryngology (primary appointment)  
Vice Chairman for Clinical Operations Dept of Otolaryngology  
BA Amherst College 1997  
MD Washington Univ in St. Louis 2002

Kevin Kenneth Ohlemiller, PHD  
Associate Professor of Otolaryngology (primary appointment)  
Associate Professor of Audiology and Communication Sciences  
PHD Northwestern University 1990  
BS Indiana University Bloomington 1983

Amanda J Ortmann, PHD, MS  
Assistant Professor of Otolaryngology (primary appointment)  
Assistant Professor of Audiology and Communication Sciences  
BS Missouri Baptist College 2001  
PHD University of Pittsburgh 2012  
MS Washington Univ in St. Louis 2003

Supote Phipatanakul, MD  
Assistant Professor of Clinical Otolaryngology (primary appointment)  
MD Chulalongkorn University 1965

Jay Francis Piccirillo, MD  
Professor of Otolaryngology (primary appointment)  
Professor of Biostatistics  
Professor of Medicine  
Professor of Occupational Therapy  
Vice Chairman for Research, Dept of Otolaryngology  
MD University of Vermont 1985  
BA University of Vermont 1979

Patrik Pipkorn, MD  
Assistant Professor of Otolaryngology (primary appointment)  
MD University of Gothenburg 2007

Gerald Raymond Popelka  
Adjunct Professor of Otolaryngology (primary appointment)

Lisa Gayle Potts, MS, PHD  
Assistant Professor of Otolaryngology (primary appointment)  
Assistant Professor of Audiology and Communication Sciences  
MS Washington Univ in St. Louis 1991  
BS Southern Illinois University 1988  
PHD Washington Univ in St. Louis 2006

Robert V Rivlin, DDENT, MS
Instructor in Clinical Otolaryngology (DMD) (primary appointment)
BA Rutgers University 1972
DDENT Washington Univ in St. Louis 1979
MS Fairleigh Dickinson University 1975

Albert F Ruehl, MD, MS
Assistant Professor of Clinical Otolaryngology (primary appointment)
BS Washington Univ in St. Louis 1961
MD Saint Louis University 1973
MS Washington Univ in St. Louis 1964

Mark A Rutherford, PHD
Assistant Professor of Otolaryngology (primary appointment)
BS Washington Univ in St. Louis 1961
MD Saint Louis University 1973
MS Washington Univ in St. Louis 1964

Albert F Ruehl, MD, MS
Assistant Professor of Clinical Otolaryngology (primary appointment)
BS Washington Univ in St. Louis 1961
MD Saint Louis University 1973
MS Washington Univ in St. Louis 1964

Mark A Rutherford, PHD
Assistant Professor of Otolaryngology (primary appointment)
BS Washington Univ in St. Louis 1961
MD Saint Louis University 1973
MS Washington Univ in St. Louis 1964

Albert F Ruehl, MD, MS
Assistant Professor of Clinical Otolaryngology (primary appointment)
BS Washington Univ in St. Louis 1961
MD Saint Louis University 1973
MS Washington Univ in St. Louis 1964

Mark A Rutherford, PHD
Assistant Professor of Otolaryngology (primary appointment)
BS Washington Univ in St. Louis 1961
MD Saint Louis University 1973
MS Washington Univ in St. Louis 1964

Richard E Schrick, MD, MEE
Instructor in Clinical Otolaryngology (primary appointment)
MD University of Missouri 1977
MEE University of Missouri 1972
BS University of Missouri 1968

Allen Sclaroff, DDENT
Professor of Clinical Otolaryngology (Oral Surgery) (primary appointment)
DDENT Temple University 1972
BA University of Colorado Boulder 1968

Karl Shanker, DDENT
Instructor in Clinical Otolaryngology (DDS) (primary appointment)
DDENT University of Missouri 1978
BA Washington Univ in St. Louis 1975

Lavinia Sheets, PHD
Assistant Professor of Otolaryngology (primary appointment)
BS Pacific University 1996
PHD Oregon Health Science Univers 2007

Peter Gaillard Smith, ME, MD, PHD
Assistant Professor of Clinical Otolaryngology (primary appointment)
BS Clemson University 1967

ME Purdue University 1970
MD University of South Carolina 1976
PHD Purdue University 1972

Jules M Snitzer, DDENT, MS
Instructor in Clinical Otolaryngology (DDS) (primary appointment)
DDENT Washington Univ in St. Louis 1955
MS Saint Louis University 1960

T

Isolde E Thalmann, MA, PHD
Professor Emeritus of Otolaryngology (primary appointment)
MA Washington Univ in St. Louis 1973
PHD California Western 1982
BS Washington Univ in St. Louis 1968

Ruediger Thalmann, MD
Professor Emeritus of Otolaryngology (primary appointment)
Lecturer in Otolaryngology
MD University of Vienna 1954

U

Rosalie May Uchanski, PHD, MS
Assistant Professor of Otolaryngology (primary appointment)
Assistant Professor of Audiology and Communication Sciences
PHD Mass Inst of Technology (MIT) 1988
MS Mass Inst of Technology (MIT) 1981
BS University of Illinois Chicago 1978

V

Lora Maureen Valente, PHD, MS
Associate Professor of Otolaryngology (primary appointment)
Associate Professor of Audiology and Communication Sciences
Director of Audiology Studies in Audiology and Communication Sciences
BS University of Illinois 1974
PHD Washington Univ in St. Louis 2006
MS University of Illinois 1975

Michael Valente, PHD, MS
Professor of Otolaryngology (Audiology) (primary appointment)
Professor of Audiology and Communication Sciences
BA Adelphi Univ 1970
PHD University of Illinois 1975
MS Adelphi Univ 1972

Thomas J Veraldi, MS, DDENT
Instructor in Clinical Otolaryngology (primary appointment)
MS Washington Univ in St. Louis 1988
BS Moravian College 1976
DDENT Washington Univ in St. Louis 1979

Wayne A Viars, MD
Associate Professor of Clinical Otolaryngology (primary appointment)
BS Phillips University 1952
MD University of Oklahoma 1956

**W**

Mark Edward Warchol, PHD
Professor of Otolaryngology (primary appointment)
Professor of Audiology and Communication Sciences
Professor of Neuroscience
PHD Northwestern University 1989
BS University of Washington 1981

Calvin H Weiss, DDENT
Instructor in Clinical Otolaryngology (DDS) (primary appointment)
BA University of Missouri 1943
DDENT Saint Louis University 1946

Cameron Connelly Wick, MD
Assistant Professor of Otolaryngology (primary appointment)
BS Washington & Lee 2006
MD Wright State University 2010

Y

Tatyana Aleksandrovna Yakusheva, PHD, MS
Assistant Professor of Otolaryngology (primary appointment)
PHD Russian U of Friendship of Ppl 2002
MS Saratov State University 1997

Z

Jose Pedro Zevallos, MPH, MD
Associate Professor of Otolaryngology (primary appointment)
MPH Univ of Texas Med Sch Houston 2014
BS Middlebury College 2000
MD Rutgers University 2005

**Courses**


**M55 Oto 660A Otolaryngology Clinical Skills**

Introductory lecture and group sessions pertaining to the complete head and neck examination. After the one-hour lecture, students will be divided into small groups to learn the otoscopic, nasal, oral cavity and neck examination to be proctored by physicians from the ENT department.

Credit 8 units.

**M55 Oto 660B Clinical Topics In Otolaryngology**

This course consists of nine introductory lectures on common diseases of the head and neck, including voice disorders, head and neck cancer, hearing loss, management of vertigo, pediatric otolaryngology, salivary gland disorders, sinusitis, otolaryngologic emergencies and facial trauma. Additionally, there is a case-based roundtable focusing on otolaryngology disorders affecting the geriatric population and the involvement of allied health care disciplines in the evaluation and management of these patients. Each lecture is highlighted by case presentations and treatment options in addition to pathophysiology. This course follows the physical examination practicum given earlier in the academic year.

Credit 9 units.

**M55 Oto 801 Otolaryngology**

Four-week rotation includes evaluation of ENT problems presented to specialists for diagnosis and treatment. The student participates in the clinic, hospital and operating room. This also includes time on the Pediatric ENT Service, Audiology, Voice Laboratory, and Vestibular Evaluation Laboratory. Option of rotation on the ENT Service at VAMC is available.

**M55 Oto 803 Pediatric Otolaryngology**

The student will actively participate in the clinical office, inpatient consultations, and surgery with the attending staff at St. Louis Children's Hospital. Care would be taken to provide experience in the common problems one would see in primary care pediatrics or family practice. Participation in sub-specialty/ multidisciplinary clinics such as the Cleft and Craniofacial clinic is encouraged. Opportunity will be provided to learn the fundamentals of audiological evaluation. Students participating in this elective will attend academic conferences in both the pediatric and adult divisions.

**M55 Oto 820 Practicum in Adult Clinical Audiology**

During this rotation, guidance will be provided in the administration and interpretation of audiometric tests, with an emphasis on defining the severity of auditory dysfunction and identifying sites of pathological processes. Theoretical bases of acoustics, anatomy and physiology, and electronics will be reviewed as they relate to auditory assessment. Modification of conventional test paradigms and hearing aid procedures will be covered according to each student's interests and needs.

**M55 Oto 831 Neurotology**

Students will actively participate in the physical exam, advanced testing and management of patients with balance dysfunction. Students will attend patient clinic two days a week, and test patients on ENG, rotary chair and computerized platform three days a week. Research participation is welcome with prior arrangements.

**M55 Oto 833 Ambulatory Otolaryngology for the Primary Care Physician**

This course offers a four-week exposure to ambulatory care of patients with diseases of the head and neck. Eight half-day sessions per week will be offered in attending clinics for general otolaryngology, head and neck cancer, otology and pediatric otolaryngology. Two half-day sessions are reserved for audiology, vestibular lab and voice lab experience. Surgical exposure is available for selected cases as identified by the student and attending physician, but the main goal of this rotation is outpatient diagnosis and management.

**M55 Oto 900 Research Elective - Otolaryngology**

Research opportunities may be available. If interested, please contact the Department of Otolaryngology.