

# Historical List of CORE Grant Recipients

## 1985 CORE Grants

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Timothy Kaiser, MD:** *The Flow Cytometric Effects of Hyperthermia and Photoradiation on Squamous Carcinoma Cells in vitro*

## 1986 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**Douglas E. Dawson, MD:** *Antiproliferative Antibodies to Squamous Cell Carcinoma of the Head and Neck*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Stephen P. Cass, MD:** *Compensation after Labyrinthectomy and Vestibular Nerve Section in Cats*

## 1987 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**Dan J. Castro, MD:** *Argon Laser Phototherapy of Human Tumors Sensitized with Rhodamine 123: Intracellular Mechanisms of Action*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Robert Culberson, MD:** *Correlations of Squamous Cell Carcinoma Metastatic Potential to the Presence of Somatic Fusion Production*

## 1988 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**Daniel J. Franklin, MD:** *An Experimental Analysis of the Effects of Repeated Sound Exposure*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Perry M. Santos, MD:** *Effect of Hyperbaric Oxygen on Peripheral Nerve Regeneration Following Injury*

## 1989 CORE Grants

AAO-HNSF Resident Research Award

**Jonathon S. Sillman, MD:** *Functional EleCenterical Stimulation of Denervated Facial Muscles in Rabbits*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Carter Van Waes, MD, PhD:** *Microbiology of Cancer Suppressor Genes in Head and Neck Cancer*

### 1990 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**Mark C. Loury, MD:** *Purification and Characterization of Human Odorant Binding Protein*

**Phillip A. Wackym, MD:** *Localization of Nicotinic Acetylcholine Receptor Subunit mRNA in the Vestibular Periphery*

AAO-HNSF Percy Memorial Research Award

**Ramon M. Esclamado, MD:** *The Laryngeal Brain Stem Evoked Response as a Predictor for Fatal Reflex Apnea*

AAO-HNSF Resident Research Award

**Michael D. Seidman, MD:** *The Protective Effects of Allopurinol, U74006F, and Superoxide Dismutase on Noise-Induced Hearing Loss*

**Edwin M. Overholt, MD:** *Developmental Changes in Interaural Delay*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Briana Heniford West, MD:** *EGF Receptor Regulation in Oral Squamous Cell Carcinoma*

### 1991 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**John M. Truelson, MD:** *Cytogenetic Changes in Squamous Cell Carcinoma of the Upper Aerodigestive Tract*

**Richard L. Scher, MD:** *Expression and Function of the Intercellular Adhesion Molecule on Squamous Cell Carcinoma*

AAO-HNSF Percy Memorial Research Award

**David B. Hom, MD:** *Vascular Effects of Sustained Fibroblast Growth Factors*

AAO-HNSF Resident Research Award

**Janice D. Janas, MD:** *Cochlear Hair Cell Regeneration*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Rick A. Friedman, MD, PhD:** *Cloning the Insertion Site of a Transgenic Inner Ear Mutant*

### 1992 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**J. Christopher Post, MD:** *PCR Identification of M. Catarrhalis DNA in Chronic Otitis Media with Effusion*

AAO-HNSF Percy Memorial Research Award

**Jay F. Piccirillo, MD:** *Rhinosinusitis Outcomes Research: Instrument Validation*

AAO-HNSF Resident Research Award

**Jay T. Rubinstein, MD, PhD:** *Single-Fiber Models of Electrical Stimulation*  
**Robert N. Strominger, MD:** *Neural Regeneration in the Damaged Mammalian Cochlea*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Thomas M. Jung, MD, PhD:** *An Alpha-6 Beta-4 mRNA Deletion May Aid Prognosis of Head and Neck Cancer*

PSF/AAO-HNSF Combined Grant

**Perry M. Santos, MD:** *Effect of Sustained Release Nerve Growth Factor and Laminin from a Bioresorbable Nerve Guidance Channel on Nerve Regeneration*

### 1993 CORE Grants

AAOA/AAO-HNSF Combined Research Grant

**Fuad Baroody, MD:** *Effects of Temperature and Humidity on Nasal Allergic Responses*

AAO-HNSF Earleen Elkins Research Training Award

**Jonathan C. Irish, MD:** *Epidermal Growth Factor and Ligand Interaction - the Use of Organoid Cultures as a Model for Study*

AAO-HNSF Resident Research Award

**Anthony Rogerson, MD:** *Recovery of Laryngeal Function after Laser and Stripping Injury*

**Benzion Goldwyn, MD:** *Role of the Peptidergic System During Noise Exposure*

**K. Brian Romaneschi, MD:** *Mediators of Neuronal Changes in Acquired Deafness*

**Scott E. Strome, MD:** *Gene Therapy: Potential Applicability to the Immunotherapy of Metastatic Tumors*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Paul B. Brechtelsbauer, MD:** *Nitric Oxide and Cochlear Blood Flow*

PSF/AAO-HNSF Combined Grant

**Richard Rival, MD:** *The Osteoneogenic Potential of Temporal and Periosteal Flaps*

### 1994 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**Markus Gapany, MD:** *Role of Casein Kinase 2 (CK-2) in Squamous Cell Carcinoma of the Head and Neck*

**Moufid Abdo, MD:** *Evoked Otoacoustic Emissions in Patients on Hemodialysis*

**Wendell Yarbrough, MD:** *EMS1 Amplification, Expression, and PHospitalhorylation in Head and Neck Squamous Cell Carcinoma*

AAO-HNSF Resident Research Award

**Gregory Hyde, MD:** *Mitochondrial Role in Auditory Neuron Survival Following Deafness*

**Kathleen Billings, MD:** *Apoptosis in Squamous Cell Carcinoma of the Head and Neck*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Jill C. Beck, MD:** *Human Papilloma Virus in Nasal Inverted Papilloma*

PSF/AAO-HNSF Combined Grant

**William M. Kuzon, MD:** *Muscle-Nerve-Muscle Neurotization in Laryngeal and Somatic Muscles*

### 1995 CORE Grants

AAOA/AAO-HNSF Combined Research Grant

**Anil Gungor, MD:** *The Role of Neuropeptides in the Genesis of Nasal Polyps*

AAO-HNSF Earleen Elkins Research Training Award

**Frederic Pugliano, MD:** *A Clinical Staging System for Oral Cavity Cancer*

**Lisa Orloff, MD:** *Transmural Heparin to Prevent Microvascular Thrombosis*

AAO-HNSF Percy Memorial Research Award

**Richard L. Scher, MD:** *In Vivo Assessment of Vascular Adhesion of Squamous Carcinoma*

AAO-HNSF Resident Research Award

**Alice Kuntz, MD:** *Effects of TGF $\alpha$  on Inner Ear Extra Sensory Cells in Rats*

**Derek Jones, MD:** *Development of Implantable Cochlear Nerve MicroeleCenterode for Prosthetic Stimulation of Auditory System*

**Joseph Hegarty, MD:** *Factors Preventing Apoptosis in Spiral Ganglion Neurons*

**Monte O. Harris, MD:** *Expression of Human Papilloma Virus in Nasal Inverted Papilloma*

Norwich-Eaton/Procter &  
Gamble/Mallinckrodt Resident Research  
Grants

PSF/AAO-HNSF Combined Grant

**Oneida Arosarena, MD:** *Enhancement of  
Cell-Mediated Immunity against Head and  
Neck Squamous Cell Carcinoma*

**Paul Hoff, MD:** *Vascularized Periosteum and  
Perichondrium in Tracheal Reconstruction*

**Thanh-van Nguyen, MD:** *Micromechanics of  
Outer Hair Cell Lateral Wall*

**Jesse Salmeron, MD:** *Tissue Oxygen  
Tension Monitoring in Free Bone Transfer*

### 1996 CORE Grants

AAOA/AAO-HNSF Combined Research  
Grant

**Martin DesRosiers, MD:** *Nasal Responses  
to Challenges with Occupational Agents*  
**Timothy L. Smith, MD:** *The Role of Nitric  
Oxide as a Mediator of Nasal Allergy in  
Rat*

AAO-HNSF Earleen Elkins Research  
Training Award

**Howard W. Francis, MD:** *Neurophysiology of  
the Deafferented Rat Cochlear Nucleus*

AAO-HNSF Health Services Research Grant

**Judith Cho Lieu, MD:** *Pediatric Sinusitis  
Outcomes Study*  
**Richard Gliklich, MD:** *Assessment of Quality  
of Life Outcomes in Patients with Unilateral  
Vocal Fold Paralysis*

AAO-HNSF Percy Memorial Research Award

**Carol A. Bauer, MD:** *A Behavioral Model of  
Chronic Tinnitus in Rats*

AAO-HNSF Resident Research Award

**David Dillard, MD:** *Effects of TGF- $\beta$ 1 on  
Healing and ECM Expression*

**Eben L. Rosenthal, MD:** *Membrane Type  
Metallo-proteinase in Squamous Cell  
Carcinoma*

**Marlan R. Hansen, MD:** *Intracellular  
Signaling Mechanisms in Spiral Ganglion  
Neuron Survival*

**Paul Bikhazi, MD:** *Familial Unilateral  
Acoustic Neuroma: A New Syndrome or a  
Variable Expression of NF II?*

**Lawrence R. Lustig, MD:** *Efficacy of Direct  
and Adeno-associated, Virus-Mediated  
Neurotrophin-3 in Preventing Neural  
Degeneration*

Norwich-Eaton/Procter &  
Gamble/Mallinckrodt Resident Research  
Grants

**Douglas Trask, MD, PhD:** *Modulation of  
Chemosensitivity in Squamous Cell Tumors*

PSF/AAO-HNSF Combined Grant

**Eric Genden, MD:** *Alloantigen-specific Immunosuppression/Nerve Allograft Transplantation*

### 1997 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**Cherie-Ann Nathan, MD:** *Tumor Marker e1F-4E in the Diagnosis and Prognosis of Head and Neck Cancer*

AAO-HNSF Health Services Research Grant

**Ramon Franco, MD:** *Obstructive Sleep Apnea -- Quality of Life Impact Survey (OSA-20)*

**Robin Brody, MD:** *Caregiver Assessment of Hearing Loss for Children with OME*

AAO-HNSF Percy Memorial Research Award

**Carol R. Bradford, MD:** *Predicting Organ Preservation in Advanced Laryngeal Cancer*

AAO-HNSF Resident Research Award

**Ben Leff, MD:** *Adoptive Immunotherapy for Subcutaneous Tumor*

**Patrick Byrne, MD:** *Molecular Detection of Tumor Response and Disease Progression in Head and Neck Carcinoma*

**Pavan Reddy, MD:** *Effects of Aldosterone and Spironolactone on Inner Ear Microvasculature*

**Vanessa Smith, MD:** *Differential Regulation of Adhesion Molecule Expression on T Cells with Potent Antitumor Activity*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Yael Raz, MD:** *Molecular Mechanisms of Thyroid Signaling Hormone in the Developing Organ of Corti*

AAOA/AAO-HNSF Combined Research Grant

**Robert L. Ferris, MD, PhD:** *Basic Mechanisms of Transmembrane Protein Trafficking and Antigen Processing Reactions*

### 1998 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award

**Kenley W. Chin, MD:** *Health Status and Biographic Staging of Rhinosinusitis*

**Leila A. Mankarious, MD:** *Mechanisms of Growth and Development of the Human Cricoid Cartilage*

**Michael A. Spafford, MD:** *Detection of Head and Neck Squamous Cell Carcinoma Using Microsatellite Analysis of Saliva*

AAO-HNSF Health Services Research Grant

AAO-HNSF Percy Memorial Research Award	<p><b>Afshin Parhiscar, MD:</b> <i>Can Patient Satisfaction with Decisions Predict Compliance with Surgical Therapy?</i></p> <p><b>Dory Durr, MD:</b> <i>Validity of Quebec French Rhinosinusitis Outcome Measure</i></p> <p><b>Patti C. Huang, MD:</b> <i>Development of a New Outcome Measure for Patients with Dysphagia</i></p>
AAO-HNSF Resident Research Award	<p><b>Ian N. Jacobs, MD:</b> <i>Gene Therapy in the Prevention of Subglottic Stenosis</i></p>
AHNS/AAO-HNSF Young Investigator Research Development Award	<p><b>Brook Seeley, MD:</b> <i>T Cell Homing Mechanisms in Adoptive Immunotherapy</i></p> <p><b>Charles Limb, MD:</b> <i>Age-related Development of Synapses in the Cochlear Nuclei of Mice: Effects of Deafness</i></p> <p><b>Charles Tseng, MD:</b> <i>Cells Involved in Cochlear Nerve Fiber Regeneration</i></p> <p><b>Jeffrey Faulkner, MD:</b> <i>Growth and Development of Homograft Tracheal Transplant</i></p>
Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants	<p><b>Jeffrey N. Myers, MD, PhD:</b> <i>Biochemoprevention of Premalignant Lesions of the Larynx</i></p> <p><b>John Song, MD:</b> <i>Retinoid Modulation of Autocrine Growth in Squamous Cell Carcinoma</i></p>
XoMedical Award for Excellence in Clinical Research	<p><b>Ted A. Meyer, MD, PhD:</b> <i>Modeling Word Recognition in Adult Cochlear Implant Users</i></p> <p><b>Michael A. Spafford, MD:</b> <i>Detection of Head and Neck Squamous Cell Carcinoma Using Microsatellite Analysis of Saliva</i></p>

### 1999 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award	<p><b>Edward M. Weaver, MD, MPH:</b> <i>Correlation between Physiologic Parameters by Polysomnography and QOL Measures in Adult Patients with OSA Syndrome</i></p> <p><b>Eric M. Genden, MD:</b> <i>Donor Specific Immunosuppression to the Laryngotracheal Complex</i></p>
AAO-HNSF Health Services Research Grant	<p><b>Marcella Bothwell, MD:</b> <i>Long-term Outcome of Facial Growth After Pediatric Functional Endoscopic Sinus Surgery</i></p>



AAO-HNSF Percy Memorial Research Award	<b>Stephen S. Park, MD:</b> <i>Tissue Engineered Cartilage Grown from Human Chondrocytes</i>
AAO-HNSF Resident Research Award	<b>Timothy E. Hullar, MD:</b> <i>Response Dynamics of Irregular Vestibular Afferents</i> <b>Brian Gastman, MD:</b> <i>Molecular Mechanisms of Squamous Cell Carcinoma of the Head and Neck Induced Apoptosis of T Lymphocytes</i> <b>Hamid Djalilian, MD:</b> <i>GMCSF-Based Vaccine in the Treatment of Squamous Cell Carcinoma in Rats</i> <b>John Sinacori, MD:</b> <i>Aging in the Human Lateral Cricoarytenoid Muscle</i>
AHNS/AAO-HNSF Surgeon Scientist Award Combined Grant	<b>Lyon Gleich, MD:</b> <i>Alloantigen Therapy for Head and Neck Cancer</i>
AHNS/AAO-HNSF Young Investigator Research Development Award	<b>M. Abraham Kuriakose, MD:</b> <i>Immunotherapy of Head and Neck Squamous Cell Carcinoma with Biodegradable Microspheres</i>
ANS/AAO-HNSF Herbert Silverstein Otolaryngology and Neurotology Research Award	<b>Lawrence R. Lustig, MD:</b> <i>The Characterization of <math>\alpha 9</math>, the Nicotinic Hair Cell Acetylcholine Receptor, in Human Inner Ear Tissue</i>
Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants	<b>Elizabeth Redd, MD:</b> <i>Analysis of Primary Synapses in the Congenitally Deaf White Cat</i>
XoMedical Award for Excellence in Clinical Research	<b>John Lasak, MD:</b> <i>Characterization of the Untranslated Regions of the Neurofibromatosis Type 2 Gene</i>

## 2000 CORE Grants

AAO-HNSF Earleen Elkins Research Training Award	<b>Andrew P. Lane, MD:</b> <i>Inflammatory Mediators in Allergic Fungal Sinusitis</i>
AAO-HNSF Health Services Research Grant	<b>David Kay, MD:</b> <i>Quality of Life for Children with Persistent Sinonasal Symptoms</i>
AAO-HNSF Percy Memorial Research Award	<b>Robert M. Naclerio, MD:</b> <i>Role of TH1 Cells in Acute Bacterial Sinusitis</i>
AAO-HNSF Resident Research Award	<b>Marta Taylor Becker, MD:</b> <i>Cytokeratins as Molecular Markers for Head and Neck Cancers</i> <b>Miriam Lango, MD:</b> <i>Mutant EGFR in Head and Neck Cancer</i>



	<p><b>Paul Leong, MD:</b> <i>STAT3 As an Anti-apoptotic Target for SCCHN</i></p> <p><b>Richard Bergstrom, MD:</b> <i>Modulation of Adoptive Immunotherapy Using Tumor Draining Lymph Nodes by Anti-DC40 Monoclonal Antibody</i></p> <p><b>John Germiller, MD:</b> <i>Otocyst Cell Lines as Models of Hair Cell Development</i></p>
AHNS Pilot Grant	<p><b>Joseph Sniezek, MD:</b> <i>Cell Cycle Research with Squamous Cell Carcinoma of the Head and Neck</i></p> <p><b>Jeffrey Moyer, MD:</b> <i>Dendrimer Nanotechnology for the Treatment of Squamous Cell Cancers of the Head and Neck</i></p>
AHNS/AAO-HNSF Young Investigator Research Development Award	<p><b>Douglas Frank, MD:</b> <i>The AD-p53-Mediated Bystander Effect: Investigating the Role of Gap Junctional Intercellular Communication</i></p>
ANS/AAO-HNSF Herbert Silverstein Otology and Neurotology Research Award	<p><b>David R. Friedland, MD, PhD:</b> <i>Maturation of Terminal Endings in the Cochlear Nucleus</i></p>
Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants	<p><b>Sven-Olrik Streubel, MD:</b> <i>Investigation of the Three-dimensional Properties of the Vestibulo-ocular Reflex</i></p>
PSF/AAO-HNSF Combined Grant	<p><b>F. Robert Glatz, MD:</b> <i>Reconstruction of the Rabbit Trachea using Cultured Tracheal Epithelium with an Autograft Cartilaginous Framework</i></p>
The Triological Career Development Award	<p><b>Ronald de Venecia, MD, PhD:</b> <i>Identifying the Interneurons of Acoustic Reflexes</i></p>

## 2001 CORE Grants

AAO-HNSF Health Services Research Grant	<p><b>Alexander Ovchinsky, MD:</b> <i>Placebo Response and Otitis Media Outcomes</i></p>
AAO-HNSF Percy Memorial Research Award	<p><b>Todd Loehrl, MD:</b> <i>Role of Dysautonomia in Upper Airway Inflammation</i></p> <p><b>M. Jennifer Derebery, MD, FACS:</b> <i>Pilot Study of the Effectiveness of Famvir in Meniere's Disease</i></p>
AAO-HNSF Resident Research Award	<p><b>Michael Pitman, MD:</b> <i>Thyroid fluorescence - Using Fluorescence SpeCenteroscopy to Diagnose Thyroid Disease</i></p>

AHNS Pilot Grant	<p><b>Norman Ge, MD:</b> <i>Effects of Anti-inflammatory Agents on Hearing Loss, Fibrosis, and Neo-ossification in Experimentally Induced Labyrinthitis Ossificans</i></p> <p><b>Daniel Rothbaum, MD:</b> <i>Robotic Microsurgery in Otology: The Steady Hand in Stapedotomy</i></p> <p><b>Greg Davis, MD:</b> <i>Predicting Quality of Life After Treatment for Chronic Sinusitis</i></p> <p><b>Michael Srodes, MD:</b> <i>Role of Chemokines in Medialiating Tumor Regression Following Adoptive Immunotherapy</i></p> <p><b>Stephen Y. Lai, MD, PhD:</b> <i>Extracellular Matrix Regulation of Head and Neck Cancers</i></p> <p><b>Tamekia Wakefield, MD:</b> <i>Characterization of the anti-tumor T-cell immune response to autologous and allogenic murine dendritic cells priMedical with irradiated tumor</i></p>
AHNS/AAO-HNSF Young Investigator Research Development Award	<p><b>Elizabeth Sisk, MD:</b> <i>A Pilot Study Investigating DNA Tumor Viruses in Head and Neck Carcinoma</i></p> <p><b>Lori Kornberg, MD:</b> <i>Genetic Changes in Head and Neck Cancers</i></p>
ALA-ALVRE Award	<p><b>Paul Spring, MD:</b> <i>Characterization and Modulation of Multidrug Resistance in Anaplastic Thyroid Carcinoma</i></p>
ARS New Investigator Award	<p><b>Yolanda Heman-Ackah, MD:</b> <i>Effects of Hypoxia on the Laryngeal Chemoreflex</i></p>
ARS Resident Research Grant	<p><b>David Conley, MD:</b> <i>Apoptosis in the Aging Olfactory Mucosa</i></p>
ASPO Research Grant	<p><b>Larry Burton, Jr., MD:</b> <i>The Immune Response to Fungi in Chronic Sinusitis and Allergic Rhinitis</i></p>
GlaxoSmithWellcome Clinical Research Fellowship	<p><b>Judith E. Lieu, MD:</b> <i>Prediction of Hearing Loss in High Risk Newborns</i></p>
Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants	<p><b>Carol S. Shores, MD, PhD:</b> <i>Detection of Occult Cervical Metastasis in Head and Neck Squamous Cell Carcinoma</i></p>
PSF/AAO-HNSF Combined Grant	<p><b>Alan Gi-Lun Cheng, MD:</b> <i>Molecular Studies of Hair Cell Death: Caspase Activation and Inhibition</i></p>

The Triological Career Development Award

**Daphne Bascom, MD:** *Effects of Oral Antioxidant Therapy on Graft Survival*

XoMedical Award for Excellence in Clinical Research

**John Schweinfurth, MD:** *Use of the Organotypic (Raft) Epithelial Culture System to Examine the Pathogenesis of Human RPV*

**Robert Ferris, MD, PhD:** *Cytolytic Immune Response to p53 in Head and Neck Cancer*

**Albert H. Park, MD:** *Ropivacaine Injection for Pediatric Adenotonsillectomy*

## 2002 CORE Grants

AAFPRS Leslie Bernstein Resident Research Grant

**Samson Lee, MD:** *Differential Genomic Expression Analysis of Craniosynostosis and its Relation to Apoptosis*

AAO-HNSF Resident Research Award

**Mike Shin, MD:** *The Role of Cytokines in Nasal Polyp Formation*

**Angela Powell-Davis, MD:** *A Role for Vitamin D3 in the Treatment of Human Head and Neck Squamous Cell Carcinoma*

**Bridget Hathaway, MD:** *Tumor-derived, DNA-based Vaccines for SCCHN*

**Karin Hotchkiss, MD:** *Ion Channel Protein Interactions in the Mammalian Ear*

**Pamela Roehm, MD:** *Apoptosis Induced By Transtympanic Gentamicin Injection*

**Robert Cullen, MD:** *Neuronal Responses to Bilateral Cochlear Implants*

**Samuel Gubbels, MD:** *Tracheal Reconstruction Using Porcine Small Intestine Submucosa in a Rabbit Model*

**Walter Lee, MD:** *Allogenic Tumor Hybrid Cells As Basis for Tumor Vaccine*

AHNS Pilot Grant

**Wen Jiang, MD:** *Identification of CSMD1 Binding Partners*

**Matthew Wolpoe, MD:** *Immunotherapy in NEU+/p53- Mice with Salivary Cancer*

AHNS/AAO-HNSF Young Investigator Research Development Award

**Richard Wong, MD:** *Herpes Virus Oncolytic and Immunostimulatory (IL 12) Gene Therapy for Cancer*

AHRF Wiley H. Harrison Memorial Research Award

**Quinton Gopen, MD:** *Unbiased Stereologic Estimates of Spiral Ganglion Cells and Auditory Nerve Fibers in Normal and Pathologic Human Temporal Bones*

ANS/AAO-HNSF Herbert Silverstein Otolaryngology and Neurotology Research Award

**Rose Mary Stocks, MD:** *Regional Chemoprotection Against Cisplatin-induced Hearing Loss*

ARS New Investigator Award

**Karen Fong, MD:** *Influence of Estrogen on Maturation of Olfactory Neurons*

GlaxoSmithWellcome Clinical Research Fellowship

**Andrew P. Lane, MD:** *Olfactory Neuron Function in Chronic Sinusitis*

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

**Lee Akst, MD:** *T-lymphocyte Response to HER2 neu in Head and Neck Tumors*

The Triological Career Development Award

**Boyd Gillespie, MD:** *Swallowing Outcomes After Head and Neck Cancer Treatment*

**Cecilia Canto, MD:** *Opportunistic Infections Involving the Vestibular-Auditory Pathways in AIDS*

**Michael Underbrink, MD:** *Effect of Human Herpes Virus-8 on Human Papillomavirus Transformed Medical Cell Lines*

**Timothy E. Hullar, MD:** *Information Transfer by Vestibular Nerve Afferents*

XoMedical Award for Excellence in Clinical Research

**Angela Powell-Davis, MD:** *A Role for Vitamin D3 in the Treatment of Human Head and Neck Squamous Cell Carcinoma*

## 2003 CORE Grants

AAFPRS Leslie Bernstein Resident Research Grant

**David Hicks, MD:** *Effect of TGF- $\beta$  on nasal septal chondrocytes in alginate*

AAO-HNSF Earleen Elkins Research Training Award

**Stephen Y. Lai, MD, PhD:** *Hypoxia-inducible Factor 1 (HIF-1) Modulates HNSCC Growth and Invasion*

AAO-HNSF Percy Memorial Research Award

**Duane Sewell, MD:** *Cancer Immunotherapy for HPV+ Head and Neck Tumors*

AAO-HNSF Resident Research Award

**Andrew Gaut, MD:** *Genetically Targeted Radiotherapy of Head and Neck Cancer*

**Chris Oliver, MD:** *Targeting Apoptosis Resistance in Head and Neck Cancer*

**David Poetker, MD:** *A Novel Vaccine Strategy for Papilloma Virus*

AHNS Pilot Grant

**Mark Jameson, MD, PhD:** *Insulin-like Growth Factor System in Head and Neck Cancer*

AHNS/AAO-HNSF Young Investigator Research Development Award

AHRF Wiley H. Harrison Memorial Research Award

ALA-ALVRE Award

ANS/AAO-HNSF Herbert Silverstein Otology and Neurotology Research Award

ARS Resident Research Grant

ASPO Research Grant

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

PSF/AAO-HNSF Combined Grant

The Triological Career Development Award

**Eben L. Rosenthal, MD:** *The Role of EMMPRIN in Head and Neck Squamous Cell Carcinoma*

**Yael Raz, MD:** *SLIT/ROBO Signaling in the Developing Auditory System*

**Christopher Hartnick, MD:** *Development and Maturation of the Pediatric Vocal Chord*

**Clifford Hume, MD, PhD:** *Hair Cell Induction in the Postnatal Organ of Corti*

**Alex Bien, MD:** *Nasal Mucosal Sensitivity in Young and Old*

**Joel Perloff, MD:** *Evaluation of Biofilms in Chronic Sinusitis*

**Scott Brietzke, MD:** *Pulse Transit Time and Pediatric Sleep-disordered Breathing*

**James Chan, MD:** *Inner Ear Injury in Autoimmune Sensorineural Hearing Loss*

**Dana Smith, MD:** *Bone Regeneration in Rats Using BNMP-2 AND VEGF Plasmid DNA*

**Craig A. Buchman, MD:** *Pathogenesis of Viral Otitis Media*

**David Friedland, MD, PhD:** *Differential Gene Expression in the Cochlear Nucleus*

**Farrel Buchinsky, MD:** *Genetics of Papilloma-induced Voice Disturbance*

## 2004 CORE Grants

AAFPRS Leslie Bernstein Investigator Development Grant

**David Kim, MD:** *Functional Rhinoplasty: Multicenter Prospective Outcomes*

AAFPRS Leslie Bernstein Resident Research Grant

**Amir Karamzadeh, MD:** *Modulation of Keloid Growth Using Photodynamic Therapy*

AAOA/AAO-HNSF Combined Research Grant

**Anton Chen, MD:** *Expression of Surfactant Protein in Otitis Media*

AAO-HNSF Earleen Elkins Research Training Award

**Eric Kezirian, MD, MPH:** *OSA Evaluation with Propofol-induced Sleep Endoscopy*

**Priya Krishna, MD:** *Fibroblast Transplantation for Vocal Fold Repair*

AAO-HNSF Health Services Research Grant	<b>Marina Boruk, MD:</b> <i>Caregiver Well-being and Child Quality of Life</i>
AAO-HNSF Percy Memorial Research Award	<b>Gary L. Clayman, MD, DDS:</b> <i>Characterization Of Lektin in Head and Neck Cancer</i> <b>Steven Goudy, MD, PhD:</b> <i>IRF-6 Depends on BMP-2, BMP-4, and SHH in Palatogenesis</i>
AAO-HNSF Resident Research Award	<b>David Hicks, MD:</b> <i>Effect of TGF-B on Nasal Septal Chondrocytes in Alginate</i> <b>Lee Ching Anderson, MD:</b> <i>Effects of Intratympanic Gentamicin on Canal Cristae</i> <b>Michael Shinnars, MD:</b> <i>Myogenic Regulatory Factors in Rabbit Laryngeal Muscles</i> <b>Nathan Sautter, MD:</b> <i>Outcome of Acoustic Injury in MCP-1/CCR-2 Knockout Mice</i> <b>Randall Taylor, MD:</b> <i>Microarray Analysis of NF Kappa-B and PPAR Gamma in HNSCC</i> <b>Scott Thompson, MD:</b> <i>Estrogen Blockade and Otoacoustic Emissions</i>
AHNS Pilot Grant	<b>Douglas Reh, MD:</b> <i>Role of Smad4 in HNSCC Formation and Progression</i> <b>Kepal Patel, MD:</b> <i>Anti-MUC1 Targeting in Aggressive Thyroid Cancer</i>
AHNS/AAO-HNSF Young Investigator Research Development Award	<b>Jeffrey S. Wolf, MD:</b> <i>Head and Neck Cancer Growth Suppression by Lactoferrin</i>
ANS/AAO-HNSF Herbert Silverstein Otolaryngology and Neurotology Research Award	<b>Alan Micco, MD:</b> <i>In Vivo Mapping of Implant EleCenterode Current Pathways</i>
ARS New Investigator Award	<b>James Palmer, MD:</b> <i>Assessment of Bacterial Biofilms in Sinusitis</i>
ARS Resident Research Grant	<b>Joseph Raviv, MD:</b> <i>EleCenterical Olfactory Responses After Axotomy in Mice</i> <b>Michele St. Martin, MD:</b> <i>Aerosol Deposition Efficiency in the Paranasal Sinuses</i>
ASPO Research Grant	<b>Nalin Patel, MD:</b> <i>Cidofovir-modulated Gene Expression in RRP</i>
GlaxoSmithWellcome Clinical Research Fellowship	<b>Giovana R. Thomas-Smith, MD:</b> <i>Stress and Immunity in Patients with Head &amp; Neck Cancer</i>
Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants	<b>Marc D. Eisen, MD:</b> <i>EleCenterode Interaction in Pediatric Cochlear Implants</i>

The Triological Career Development Award

**David Roberson, MD:** *Effect of Limited Work Hours on Errors in Otolaryngology*

**Edward M. Weaver, MD, MPH:** *Nasal Obstruction and Sleep Apnea Treatment Outcomes*

**Sandeep Kathju, MD:** *Molecular Analysis of Mucosal Wound Healing*

**Yael Raz, MD:** *Inner Ear Morphogenesis in slit3 -/- Mice*

**Kevin Brown, MD:** *Autocrine Regulation of Vestibular Schwannoma Growth*

**Samir Khariwala, MD:** *Donor Bone Marrow and Laryngeal Allograft Tolerance*

### 2005 CORE Grants

AAFP RS Leslie Bernstein Resident Research Grant

**Brian Chung, MD:** *Novel HA-based Biomaterials for Soft Tissue Augmentation*

**Vincent Chan, MD:** *Inhibition of MSC Activity in Cutaneous Wound Healing*

AAO-HNSF Earleen Elkins Research Training Award

**Marc Eisen, MD:** *EleCenterophysiology of the Implanted Congenitally Deaf Cat*

AAO-HNSF Health Services Research Grant

**David O. Francis, MD:** *Surveillance Strategies and Outcomes in Head & Neck Cancer*

AAO-HNSF Percy Memorial Research Award

**Carol S. Shores, MD, PhD:** *Microarray analysis prediction of cisplatin sensitivity*

AAO-HNSF Resident Research Award

**Aaron Friedman, MD:** *Dendritic Cells and Laryngeal Transplantation*

**Derek Lam, MD:** *Development of a Composite Measure of the Nasal Airway*

**Felipe Santos, MD:** *Hair Cell Toxicity*

**Jayakar Nayak, MD:** *Antigen Processing Machinery in SCCHN*

**Ricardo Cristobal, MD:** *Gene Expression in Stem Cells from the Inner Ear*

**Scott Schraff, MD:** *Immunomodulatory Genes in CMV-related Inner Ear Injury*

AHNS Pilot Grant

**Emiro Caicedo-Granados, MD:** *In Vivo Effects of Resveratrol on Tumorigenesis*

**Seungwon Kim, MD:** *Therapy of Thyroid Carcinoma with Erbitux and Avastatin*

AHNS/AAO-HNSF Surgeon Scientist Award Combined Grant

**Jeffrey Moyer, MD:** *Immunotherapy of Head and Neck Squamous Cell Cancers*



AHNS/AAO-HNSF Young Investigator Research Development Award	<b>Steven Wang, MD:</b> <i>Hyaluronan Signaling in Head and Neck Cancer Progression</i>
AHRF Wiley H. Harrison Memorial Research Award	<b>John Germiller, MD:</b> <i>Stimulating Auditory Nerve Growth with Embryonic Factors</i>
ANS/AAO-HNSF Herbert Silverstein Otolaryngology and Neurotology Research Award	<b>Romaine Johnson, MD:</b> <i>Mitochondrial Mutation Screening in At-risk Infants</i>
ARS New Investigator Award	<b>Rodney J. Schlosser, MD:</b> <i>Surfactant Proteins A and D in Chronic Sinusitis</i>
ARS Resident Research Grant	<b>Luc Morris, MD:</b> <i>Nasal Airway Physiology during Stages of Sleep</i> <b>Murugappan Ramanathan, MD:</b> <i>The Role of Toll-like Receptors in Chronic Sinusitis</i>
ASPO Research Grant	<b>Rebecca Stone, MD:</b> <i>OSD in Failure to Thrive: Prevalence and Growth Effects of Tonsillectomy</i>
GlaxoSmithWellcome Clinical Research Fellowship	<b>Marion Couch, MD, PhD:</b> <i>Allogeneic Vaccines with Immunomodulation for Oral Cancer</i>

### 2006 CORE Grants

AAO-HNSF Health Services Research Grant	<b>Karthik Balakrishnan, MD:</b> <i>Evaluation of a Comprehensive Sleep Apnea Disease Severity Staging System</i>
AAO-HNSF Percy Memorial Research Award	<b>Wendell G. Yarbrough, MD:</b> <i>Effect of P13K Inhibition in HPV-associated HNSCC</i>
AAO-HNSF Resident Research Award	<b>Matthew Provenzano, MD:</b> <i>Pharmacologic Up-regulation of the Sodium Iodine Symporter in Thyroid Carcinoma</i> <b>Paul Weinberger, MD:</b> <i>Molecular Analysis of Human Papilloma Virus-associated Oropharyngeal Cancer</i> <b>Robert Kang, MD:</b> <i>Validation of a Music Perception Test for Adult Cochlear Implants</i> <b>Stephen Weber, MD:</b> <i>Role of AKT in Progression of Head and Neck Squamous Cell Carcinoma</i> <b>Mark S. Weinberger, MD:</b> <i>Modulation of Adhesion Molecule Expression in Nasal Allergy</i>
AHNS Pilot Grant	

AHNS/AAO-HNSF Young Investigator  
Research Development Award

AHRF Wiley H. Harrison Memorial Research  
Award

ARS New Investigator Award

ARS Resident Research Grant

ASPO Research Grant

Sinus and Allergy Health Partnership

The Triological Career Development Award

**Chad Galer, MD:** *Cadherin Expression in  
Invasion and Metastasis of Squamous Cell  
Carcinoma*

**Christine Gail Gourin, MD:** *Serum Protein  
Profiling of Head and Neck Squamous Cell  
Cancer*

**Michael Kupferman, MD, PhD:** *Preclinical  
Modeling of a Novel Inhibitor of STAT3  
Signaling in HNSCC*

**Ted A. Meyer, MD, PhD:** *Signal Detection  
with Cochlear Implants*

**Alexander Chiu, MD:** *Efficacy of Topical  
Lactoferrin and Antibiotics in an Animal Model  
of Sinusitis*

**Sumana Jothi, MD:** *The EleCentro-  
Olfactogram (EOG) in the Diagnosis of  
Olfactory Dysfunction*

**Amber Luong, MD:** *The Role of Non-IgE  
Inflammatory Pathway in Allergic Fungal  
Rhinosinusitis*

**Manali Amin, MD:** *The Effects of Gastro-  
esophageal Acid Suppression on Post-  
tonsillectomy Pain*

**Noam Cohen, MD:** *Altered Sinonasal Ciliary  
Dynamics in Chronic Rhinosinusitis*

**Bradley Kesser, MD:** *An In Vitro Model  
System to Study Gene Transfer in the Human  
Inner Ear*

**Diego Preciado, MD:** *Mechanisms of  
Inflammatory and Smoke-induced Mucin  
Gene Activation in OM*

**Priya Krishna, MD:** *PriMedical Fibroblasts  
and Decorin: Two Novel Therapies to Treat  
Vocal Fold Scarring*

## 2007 CORE Grants

AAFPRS Leslie Bernstein Grant

**Regan Thomas, MD:** *Rejuvenation of Skin w/  
Anti-wrinkle Creams: Studies in the hairless  
mouse*

**Travis Tollefson, MD:** *Restoration of Eyelid  
Closure in Facial Paralysis Using Artificial  
Muscle*

AAFPRS Leslie Bernstein Resident Research Grant	<b>Christian Lane Stallworth, MD:</b> <i>Coblation Thermal Reformation of Cartilage</i>
AAO-HNSF Health Services Research Grant	<b>Seth M. Cohen, MD:</b> <i>Impact of Dysphonia in the Primary Care Community</i>
AAO-HNSF Maureen Hannley Research Training Award	<b>Albert H. Park, MD:</b> <i>Development of a Guinea Pig Model for CMV Induced Sensorineural Hearing Loss</i> <b>Pamela Roehm, MD, PhD:</b> <i>The Role of Neurotrophins in HSV-1 Latency in a Vestibular Neuritis Model</i>
AAO-HNSF Percy Memorial Research Award	<b>Richard Orlandi, MD:</b> <i>Development of an Animal Model for Sinus Wound Healing</i> <b>Rodney J. Schlosser, MD:</b> <i>Sublingual Immunotherapy: Clinical and Immunologic Outcomes</i>
AAO-HNSF Resident Research Award	<b>Alexander Tell Hillel, MD:</b> <i>Bioactive Polymer System to Engineer Adipose Tissue</i> <b>Angela A. Chang, MD:</b> <i>Tissue Engineering of Human Nasal Septal Cartilage in a Perfusion Bioreactor</i> <b>Chris Cederberg, MD:</b> <i>Clinical Correlation Between Strial Presbycusis and Cardiovascular Disease</i> <b>David O. Francis, MD:</b> <i>Reevaluation of GERD as a Risk Factor for Laryngeal Cancer</i> <b>Jonathan Yew Ming Ting, MD:</b> <i>Validating a Novel Speech Discrimination Test in Hearing-Impaired Infants</i> <b>Michael Edward Stadler, MD:</b> <i>Effects of TLRs 4 &amp; 9 on an Allogeneic Whole Cell GM-CSF-Secreting Tumor Vaccine</i> <b>Paula Janelle Harmon, MD:</b> <i>Viral response to Chemotherapy in Endemic Burkitt Lymphoma</i> <b>Ryan Palivela Raju, MD, MBA:</b> <i>Role of the Wnt pathway in Oropharyngeal and Hypopharyngeal Cancer</i> <b>Sarah Louise Rohde, MD:</b> <i>The Role of VEGF in Isolated Cleft Palate</i> <b>Selena Eldora Heman-Ackah, MD:</b> <i>Prevention of Age-Related Hearing Loss in C57BL Mice</i>
AAO-HNSF Resident Research Award sponsored by Xoran Technologies, Inc.	<b>Thuy-Anh Nguyen Melvin, MD:</b> <i>The Effects of Cochlear Implantation of Vestibular Function</i>

AHNS Alando J. Ballantyne Resident  
Research Pilot Grant

**Vivian Faye Wu, MD:** *Stage-Specific Roles of Stat 3 in HNSCC Development and Progression*

AHNS Pilot Grant

**Andres Lopez Albaitero, MD:** *Immune Activation by EGFR-specific mAB Therapy for Head and Neck Cancer*

AHNS/AAO-HNSF Surgeon Scientist Award  
Combined Grant

**Maie St. John, MD, PhD:** *Combination EGFR And Cox-2 Inhibition in HNSCC: Understanding And Targeting EMT*

AHNS/AAO-HNSF Young Investigator  
Research Development Award

**Andrew Gregory Sikora, MD, PhD:** *Inducible Nitric Oxide Synthase (iNOS) as a Therapeutic Target in Melanoma*

**Mihir R. Patel, MD:** *Immunohistochemical Microarray Gene Expression Differences of Thyroid Neoplasms*

AHRF Wiley H. Harrison Memorial Research  
Award

**Adam Markaryan, PhD:** *Mitochondrial DNA Deletion In Cochlear Tissues and Presbycusis*

ALA-ALVRE Award

**Valarie Cote, MD:** *Validation of a Pediatric Reflux Finding Score and Questionnaire*

ARS New Investigator Award

**Jayant Pinto, MD:** *Regulatory T cells in Chronic Rhinosinusitis*

ARS Resident Research Grant

**Benjamin Saul Bleier, MD:** *In Vivo Laser Tissue Welding in the Rabbit Paranasal Sinus*  
**Sachin Parikh, MD:** *Virtual Surgical Rehearsal for Pre-op Planning in Frontal Recess Sinus Surgery*

ASPO Daiichi Innovative Technology Grant

**Samuel Ostrower, MD:** *Genetic Changes in the Pharyngeal Mucosa of Children Exposed to Secondhand Smoke*

ASPO Research Grant

**David Hartemink, MD:** *Gene Expression in the Middle Ear Epithelium of the Chinchilla*  
**Sung K Moon, MD, PhD:** *Role of the Spiral Ligament Fibrocyte in Otitis Media-included Inner Ear Inflammation*

PSF/AAO-HNSF Combined Grant

**Arash Moradzadeh, MD:** *Characterization of Schwann Cell Migration Into Peripheral Nerve Allografts*

The Triological Career Development Award

**Ana H. Kim, MD:** *Role of the Gap Junctions in Inner Ear Hair Cell Ototoxicity and Regeneration*

**Christine Gail Gourin, MD:** *Proteomic Analysis of Patient with Head and Neck Squamous Cell Carcinoma*

**Seungwon Kim, MD:** *Concomitant Targeting of EGFR and VEGFR in Head and Neck Cancers*

**Steven Goudy, MD, PhD:** *Irf6 is Critical in Palate Development and Interacts with Fgf8, Fgf10 and Tbx1*

**Walter Lee, MD:** *Immunotherapy Using Allogenic Squamous Cell Tumor-Dendritic Cell Fusion Hybrids*

## 2008 CORE Grants

AAOA/AAO-HNSF Combined Research Grant

**Xiaoyang Hua, MD:** *Role of Adenosine in Chronic Rhinosinusitis*

AAO-HNSF Health Services Research Grant

**Jamie Litvack-Robinson, MD:** *Role of Depression in the Outcomes of Endoscopic Sinus Surgery*

AAO-HNSF Maureen Hannley Research Training Award

**John Sok, MD:** *Characterization of Collagen Type11alpha1 in Head and Neck Cancer*

AAO-HNSF Percy Memorial Research Award

**Alan Cheng, MD:** *Hair cell regeneration: chimeric chicken/mouse ears*

**Mark Prince, MD:** *Development of an efficient model for the study of HNCC cancer stem cells*

**Baran Sumer, MD:** *Functionalized nanotubular polymeric particles for targeted cancer imaging*

AAO-HNSF Rande H. Lazar Health Services Research Grant

**Amy Anne Lassig, MD:** *The effect of treating institution on outcomes in head and neck cancer*

AAO-HNSF Resident Research Award

**Ronna Hertzano, MD:** *Characterization of cluster of differentiation proteins in the mouse inner ear*

**Daniel Jethanamest, MD:** *Frequency map fitting for postlingually deaf cochlear implant users*

**Mark Lorenz, MD:** *Tissue-Engineered Cochlear Implants: A Murine Stem Cell Model*

**Lynn Chiu, MD:** *Screening for ototoxic drugs: mammalian validation*

AAO-HNSF Resident Research Award sponsored by Xoran Technologies, Inc.	<b>Landon Duyka, MD:</b> <i>Hormone Receptors Identified in Vascular Malformations of the Head and Neck</i>
AHNS Alando J. Ballantyne Resident Research Pilot Grant	<b>Jeremy Meier, MD:</b> <i>Fluorescence SpeCenteroscopy in Oral Cavity Cancer</i>
AHNS Pilot Grant	<b>Eric Snyder, MD:</b> <i>Injury Threshold Detection in Optical Nerve Stimulation</i>
AHNS/AAO-HNSF Young Investigator Research Development Award	<b>Jennifer Hsia, MD:</b> <i>Gene expression profiling of fluorescently labeled mouse spiral ganglion neurons</i>
AHRF Wiley H. Harrison Memorial Research Award	<b>Harry Hwang, MD:</b> <i>Efficacy of topiramate in patients with vestibular migraines</i>
ALA-ALVRE Award	<b>Kevin Wang, MD:</b> <i>CT-guided Frequency-Place Mapping for Bilateral Cochlear Implant Patients</i>
ANS/AAO-HNSF Herbert Silverstein Otolaryngology and Neurotology Research Award	<b>Rolando Rosas, MD, MSc:</b> <i>Differentiation of squamous cancers with PPAR gamma</i>
ARS New Investigator Award	<b>Christopher Towe, MD:</b> <i>Characterizing the Inhibition of SCCRO by Ubiquitinated Proteins</i>
ARS Resident Research Grant	<b>Daniel Schneider, MD:</b> <i>Human Papilloma Virus Association with HNSCC</i>
	<b>Brandon Bentz, MD:</b> <i>Non-Retinoid Metabolite's of beta-Carotene and p53 in Head and Neck Cancer</i>
	<b>Mark Jameson, MD, PhD:</b> <b>CABYR:</b> <i>A Novel Cancer-Testis Antigen in Head and Neck Squamous Cell Carcinoma</i>
	<b>Judith Lieu, MD, PhD:</b> <i>Inter-regional brain interactions in children with unilateral hearing loss</i>
	<b>Dinesh Chhetri, MD:</b> <i>In vivo measurements of vocal fold stiffness.</i>
	<b>Joseph Roche, MD:</b> <i>Long term changes in synaptic function of cells in the rat auditory cortex</i>
	<b>Bradley Otto, MD:</b> <i>The Role of Epithelial Cells in Chronic Rhinosinusitis with Nasal Polyps</i>
	<b>Monica Patadia, MD:</b> <i>Mechanisms of B-Cell Recruitment in Chronic Rhinosinusitis with Nasal Polyps</i>

ASPO Daiichi Innovative Technology Grant

**Frederick Roediger, MD:** *Microarray Analysis of Chronic Rhinosinusitis*

ASPO Research Grant

**Shelby Leuin, MD:** *In Vivo Optical Microscopy of the Pediatric Vocal Fold*  
**Randall Harris, MD:** *Genetics of Moraxella catarrhalis resistance to human antimicrobial peptides*  
**Phillip Zald, MD:** *Innate Immune Response Gene Polymorphisms in Otitis Media*  
**Scott Stephan, MD:** *Repair of a facial critical size defect using injectable tissue engineered bone*

PSF/AAO-HNSF Combined Grant

**Richard Gurgel, MD:** *Contribution of Merlin Inactivation in Facial Nerve Schwann Cell Regeneration*

The Triological Career Development Award

**Michael Kupferman, MD:** *Critical Role of TrkB for Invasion and Metastasis in Head and Neck Cancer*

**Abraham Jacob, MD:** *Combination EGFR and AKT Pathway Inhibition for Treating Vestibular Schwannoma*

**Kenneth Lee, MD, PhD:** *Eph-ephrin signaling in cochlear innervation*

**Carol Bier-Laning, MD:** *Loss of heterozygosity initiated by apoptotic DNA cleavage in head & neck cancer*

**Devraj Basu, MD, PhD:** *Therapy Resistance in Cancer Stem Cells of Head and Neck Squamous Cell Carcinoma*

## 2009 CORE Grants

AAOA/AAO-HNSF Combined Research Grant

**Jiri Prazma, MD, PhD:** *Immunologic effects of LPS on OVA-induced Eustachian tube dysfunction in rats*

AAO-HNSF Percy Memorial Research Award

**Ravindra Uppaluri, MD:** *Contribution of chemokine receptor CXCR3 to cutaneous squamous cell carcinoma*

**Silvana M. Papagerakis, MD:** *Metastatic and invasive behavior of head and neck cancer stem cells*

AAO-HNSF Resident Research Award

**Betty S. Tsai, MD:** *Effect of cochlear capsule bone matrix material properties on hearing*

**Dylan K. Chan, MD:** *Cochlear stem-cell therapy for mammalian hair-cell regeneration*



**Eli R. Groppo, MD:** *Oropharyngeal Human Papillomavirus (HPV) colonization and anogenital dysplasia*

**Jack R. Schleiffarth, MD:** *A Zebrafish Model for Cleft Lip and Palate*

**James E. Lupo, MD:** *Physiological assessment of middle ear implant stimulation of the round window*

**Jason Bloom, MD:** *Laser Facial Nerve Welding in a Rabbit Model*

**Jonathan C. Kopelovich, MD:** *Gene expression changes in the rat spiral ganglion with eleCenterical stimulation*

**Jonathan Skirko, MD:** *Quality of Life Instruments in Velopharyngeal Insufficiency (VPI)*

**Kalpesh Vakharia, MD:** *Facial Nerve Paralysis and Darbepoetin*

**Lauren A. Kilpatrick, MD:** *The Role of SDF-1 and Hematopoietic Stem Cells in Spiral Ganglion Preservation*

**Noel Jabbour, MD:** *Validated Objective Assessment Tools for Airway Endoscopy Simulation*

**Osarenoma U. Olomu, MD:** *Psychophysics of the Aging Vestibular System*

**Pavan S. Mallur, MD:** *Characterization of 532nm Pulsed KTP-Induced Scar Modulation in the Rat Larynx*

**Uchekukwu C. Megwalu, MD:** *DIM Inhibits Stem Cell Mediated Neovascularization in Thyroid Disease*

**Vivian F. Wu, MD:** *New mechanisms that regulate c-Myc oncogenic activity in HNSCC*

**Stephanie A. Shintani Smith, MD:** *Computed Tomography of Cochlear Soft Tissues at a Cellular Level*

AAO-HNSF Resident Research Award sponsored by Xoran Technologies, Inc.

AHNS Alando J. Ballantyne Resident Research Pilot Grant

**Alec Vaezi, MD, PhD:** *Implications of abnormal mitosis in chromosomal instability and tumorigenesis*

AHNS Pilot Grant

**Raewyn Seaberg, MD, PhD:** *MECT1-MAML2 fusion transcript in patients with mucoepidermoid carcinoma*

AHNS/AAO-HNSF Surgeon Scientist Award Combined Grant

**Neil Gross, MD:** *Phase I/II Study of Postoperative Adjuvant Chemoradiation for Cutaneous SCC/N*

AHNS/AAO-HNSF Young Investigator Research Development Award	<b>Babak Givi, MD:</b> <i>Pathway as a determinant of vaccinia oncolytic efficacy in thyroid cancer</i> <b>Rutherford Ongkeko, MD, PhD:</b> <i>BMI1 in head and neck squamous cell carcinoma stem cells</i>
AHRF Wiley H. Harrison Memorial Research Award	<b>Matthew L. Bush, MD:</b> <i>In vitro and in vivo response to HDAC inhibitors by vestibular schwannomas</i>
ASPO Research Grant	<b>Garani Nadaraja, MD:</b> <i>Mechanisms of Aminoglycoside Uptake in Murine Hair Cells</i> <b>Johannes Grimmer, MD:</b> <i>Determining if mutation in region 7q32 is the genetic cause of PHACES syndrome</i> <b>Scott Brietzke, MD:</b> <i>Objective Analysis of Pediatric Snoring Before and After Adenotonsillectomy</i>
DRF Centurion Clinical Research Grant	<b>Mark Eckert, MD:</b> <i>Neural Changes Underlying Speech-Perception Training in the Aging Brain</i>
PSF/AAO-HNSF Combined Grant	<b>Richard Zoumalan, MD:</b> <i>Prevention of radiation-induced skin fibrosis by topical gene therapy</i>
The Triological Career Development Award	<b>Alan Cheng, MD:</b> <i>The role of Wnt signaling in maintaining the inner ear stem cells</i> <b>Jeffrey Scott Magnuson, MD:</b> <i>Proactive Approach to Dysphagia in Head and Neck Cancer Patients</i> <b>Michael Pitman, MD:</b> <i>A Rat Model of Recurrent Laryngeal Nerve Injury: Investigation of RLN Motoneurons</i> <b>Pamela Roehm, MD:</b> <i>Role of TrkB in Maintenance of Latency in a Culture Model of Vestibular Neuritis</i> <b>Steve C. Lee, MD:</b> <i>Modulators of immune activation by anti-EGFR monoclonal antibodies in SCCHN</i>

## 2010 CORE Grants

Alcon Foundation/AAO-HNSF Resident Research Grant	<b>Haena Kim, MD:</b> <i>Bacterial inhibition by innate antimicrobials in chronic rhinosinusitis</i>
AAFPRS Leslie Bernstein Grant	<b>Elizabeth Whiting Chance, MD:</b> <i>Tissue engineered, 3D dermal implant prefabrication using nanofiber scaffolds</i>

AAFP RS Leslie Bernstein Resident Research Grant	<p><b>Melynda Barnes, MD:</b> <i>The neuroprotective effects of copaxone after facial nerve injury</i></p> <p><b>Joshua Weissman, MD:</b> <i>Evaluation of radiofrequency therapy for lateral nasal wall collapse</i></p>
AAOA Foundation Research Grant	<p><b>Murugappan Ramanathan, MD:</b> <i>The role of allergen specific T cells in chronic sinusitis with nasal polyps</i></p>
AAO-HNSF Resident Research Award	<p><b>Marcelo Antunes, MD:</b> <i>Tobacco smoke mediated induction of upper airway bacterial biofilms</i></p> <p><b>Jolie Chang, MD:</b> <i>Otoacoustic emissions and cochlear efferent function in Parkinson's disease</i></p> <p><b>John P. Dahl, MD, PhD, MBA:</b> <i>Flexible cartilage in microtia repair: umbilical cord stem cells on Nano-Implant</i></p> <p><b>Taylor Fordham, MD:</b> <i>Therapeutic potential of topical antioxidants in CRS</i></p> <p><b>Joseph E. Hall, MD:</b> <i>Modulation of inflammatory signaling in acute phonotrauma</i></p> <p><b>Summer Hanson, MD:</b> <i>Adipose derived MSCs with a hydrogel scaffold for soft tissue augmentation</i></p> <p><b>Nancy Judd, MD:</b> <i>Anti-tumorigenic activity of zoledronate in oral cavity squamous cell carcinoma</i></p> <p><b>Abie H. Mendelsohn, MD:</b> <i>Acoustic effects of asymmetric laryngeal stimulation</i></p> <p><b>Matthew W. Miller, MD:</b> <i>Distribution and trafficking of cisplatin within the cochlea</i></p> <p><b>Rick F. Nelson, MD, PhD:</b> <i>Defining the role of CatSper ion channels in the cochlea</i></p> <p><b>Peter Revenaugh, MD:</b> <i>Characterization of tyramine-based hyaluronan as a cartilage substitute</i></p> <p><b>Sunitha M. Sequeira, MD:</b> <i>MicroCT-assisted evaluation of superior canal dehiscence</i></p> <p><b>Rahul Seth, MD:</b> <i>Facial nerve neurotization and the effects of glucocorticoids</i></p>
AAO-HNSF Maureen Hannley Research Training Award	<p><b>Corinna G. Levine, MD:</b> <i>The impact of sleep surgery on the quality of life of sleep apnea patients</i></p>
AAO-HNSF Percy Memorial Research Award	<p><b>Amy Chen, MD:</b> <i>Comparative effectiveness of laryngeal cancer treatment using SEER-Medicare</i></p>

AAO-HNSF Rande H. Lazar Health Services  
Research Grant

AHNS Pilot Grant

AHNS Alando J. Ballantyne Resident  
Research Pilot Grant

AHNS/AAO-HNSF Young Investigator  
Research Development Award

AHRF Wiley H. Harrison Memorial Research  
Award

The Triological Career Development Award

**Spencer Payne, MD:** *Expression of LTE4 receptors in aspirin exacerbated respiratory disease*

**Jonathan Skirko, MD:** *Effect of interaction of allergic rhinitis and CPAP*

**Andre M. Wineland, MD:** *Resting-state neural connectivity in patients with tinnitus without bother*

**Amy Chen, MD:** *Reporting of quality initiatives in head and neck cancer; a feasibility study*

**Mihir K. Bhayani, MD:** *Enhancing radiosensitivity through inhibition of the STAT3/HIF1 pathway in HNSCC*

**Osamu Tetsu, MD, PhD:** *Improvement of EGFR targeted therapy for salivary gland adenoid cystic carcinoma*

**Vlad Constantin Sandulache, MD, PhD:** *Targeting glycolysis in head and neck squamous cell carcinoma*

**Thomas J. Ow, MD:** *TP53 gain of function mutation in head and neck squamous cell carcinoma*

**Yelizaveta Shnayder, MD:** *Intralymphatic delivery of cisplatin-hyaluronic acid conjugate in a mouse model*

**Joseph Capt Clarke, MD:** *Directing spiral ganglion neurite growth on micropatterned methacrylate polymers*

**Oliver Franz Adunka, MD:** *Electrophysiologic correlates of intracochlear electrode positioning*

**Peter C. Belafsky, MD, PhD, MPH:** *The effect of allergens and pollution on laryngeal inflammation*

**Eunice Yuzu Chen, MD, PhD:** *Tissue oxygenation and optimizing intervention for wound healing*

**Stacey Lynn Ishman, MD:** *Pharyngeal anatomic & functional measures in persistent pediatric sleep apnea*

**Kourosh Parham, MD, PhD:** *The effects of the bisphosphonates on otosclerotic osteoblasts*

ALA-ALVRE Award

**Adam Mikial Zanation, MD:** *Prospective clinical trial evaluating morbidity after skull base tumor surgery*

ANS/AAO-HNSF Herbert Silverstein Otolaryngology and Neurotology Research Award

**Marvin P. Fried, MD:** *Epithelial barrier function following vocal fold injury*

ARS New Investigator Award

**Yuri Agrawal, MD:** *Physiology of vestibular dysfunction and clinical implications*

**Alan Gi-Lun Cheng, MD:** *Blockade of aminoglycoside entry into hair cells*

ARS Resident Research Grant

**Sarah K. Wise, MD:** *Characterization of human sinonasal intercellular junctional proteins*

**Garrett Griffin, MD:** *Nasal packing as a drug-delivery system postoperatively in chronic sinusitis*

**Marika Dubin Russell, MD:** *Single vs. combined anti-leukotriene therapy in the treatment of CRS*

**Jessica Chunhan Shen, MD:** *Inflammatory cytokine modulation of sinonasal ciliary dynamics*

ASPO Research Grant

**Jennifer K. Mulligan, PhD:** *Contribution of vitamin D deficiency to immune dysfunction in children with CRS*

**Albert H. Park, MD:** *Vaccination strategy for congenital CMV sensorineural hearing loss*

DRF Centurion Clinical Research Grant

**Craig A. Buchman, MD:** *Auditory neuropathy spectrum disorder in children*

Olympus/AAO-HNSF Resident Research Grant

**Caroline A. Banks, MD:** *Macrophage differentiation and function in chronic rhinosinusitis*

## 2011 CORE Grants

AAO-HNSF Resident Research Grant  
Sponsored by The Alcon Foundation

**Candice C. Colby, MD:** *Genetic Assay of Newborns Who Fail Auditory Physiologic Screening*

AAO-HNSF Resident Research Grant  
Sponsored by the Oticon Foundation

**Yu-Lan Mary Ying, MD:** *Role of Sirt3 in Hearing Preservation*

AAO-HNSF Resident Research Grant  
Sponsored by Olympus

**Robbi A. Kupfer, MD:** *Spontaneous laryngeal reinnervation following recurrent laryngeal nerve injury*

AAO-HNSF Resident Research Award

**Arnaud F. Bewley, MD:** *Defining cetuximab's impact on HNSCC subpopulation dynamics and invasiveness*

**Baishakhi Choudhury, MD:** *The Treatment of Otitis Media with Effusion using CpG Oligodeoxynucleotides*

**Daniel R. Clayburgh, MD, PhD:** *Changes in gene expression in metastatic cutaneous squamous cell carcinoma*

**Nathan Jowett, MD:** *Osseointegration Following Ultrafast Laser Ablation Osteotomy*

**Anton M. Kushnaryov, MD:** *Rabbit Nasal Defect Model and Repair with Autogenous Engineered Septal Cartilage*

**Jennifer Yoon Lee, MD:** *Novel Murine Model of Granulation Tissue in Laryngotracheal Stenosis*

**Joshua R. Mitchell, MD:** *Biochemical basis for early vs. delayed vocal fold mobilization after microflap*

**Marcus M. Monroe, MD:** *Functional and Clinical Significance of Lgr6 Expression in Head and Neck Cancer*

**Jeffrey Phillips, MD:** *Curcumin inhibits UV radiation-induced cutaneous squamous cell carcinoma in vivo*

**Marsha S. Reuther, MD:** *Hypoxia modulated tissue engineering of human nasal septum*

**Javad A. Sajan, MD:** *Validated Assessment Tools for Reconstructing Facial Defects in Simulation*

**Bryan K. Ward, MD:** *Diabetes and Inner Ear Vestibular Dysfunction*

AAO-HNSF Percy Memorial Research Award

**Alexis Donneys, MD:** *A Combined Approach for Managing Mandibular Non-Unions After Radionecrosis*

**Christine G. Gourin, MD:** *The Effect of Volume on Long-Term Outcomes and Costs of Head and Neck Cancer*

**Kenneth H. Lee, MD, PhD:** *Enhanced Cochlear Implant Signal Transfer With Carbon Nanotube Coated Electrodes*

**Pamela C. Roehm, MD, PhD:** *Injuries and Mechanisms Causing HSV1 Reactivation in Peripheral Neurons*

AHNS Pilot Grant

**Waleed M. Abuzeid, MD:** *STAT3 inhibition for the treatment of head and neck cancer*

AHNS Alando J. Ballantyne Resident Research Pilot Grant	<b>Sunshine M. Dwojak, MD:</b> <i>Outcomes among American Indians in South Dakota with Squamous Cell Carcinoma</i>
AHNS/AAO-HNSF Young Investigator Research Development Award	<b>Jonathan R. George, MPH, MD:</b> <i>Case-control study of a novel head and neck squamous cell carcinoma biomarker</i> <b>Natalya Chernichenko, MD:</b> <i>The Role of Rho Family Proteins in Perineural Invasion by Cancer Cells</i> <b>Paul M. Weinberger, MD:</b> <i>Minimally invasive multiplexed assays for the detection of thyroid cancer</i>
AHRF Wiley H. Harrison Memorial Research Award	<b>Tara Rachakonda, MD:</b> <i>Validity, discriminative ability and sensitivity to change of the HEAR-QL</i>
ARS New Investigator Award	<b>Holly Boyer, MD:</b> <i>Office-sclerotherapy for epistaxis due to hereditary hemorrhagic telangiectasia</i>
ARS Resident Research Grant	<b>Samuel L. Oyer, MD:</b> <i>Inflammatory role of fibroblasts in chronic rhinosinusitis</i> <b>Nicholas C. Sorrel, MD:</b> <i>Manuka Honey for Management of CRS – an in vitro and in vivo Analysis</i>
ASPO Research Grant	<b>Joseph Haddad, Jr., MD:</b> <i>Identification of Genes Associated with Familial Non-syndromic Cleft Lip/Palate</i> <b>Marci Lesperance, MD:</b> <i>Development of a cost-effective algorithm for evaluation of genetic hearing loss</i>
DRF Centurion Clinical Research Grant	<b>James E. Saunders, MD:</b> <i>Genetic Hearing Loss in Remote Nicaraguan Families</i>
AAFPRS Leslie Bernstein Grant	<b>Robin W. Lindsay, MD:</b> <i>Development of Comparative Effectiveness Tools in Facial Paralysis</i> <b>J. Regan Thomas, MD:</b> <i>Experimental Studies on Photo Aging in the Mouse model</i>
AAFPRS Leslie Bernstein Resident Research Grant	<b>Sang Woo Kim, MD:</b> <i>Histologic Changes Following Sensory Neuroprotection of Facial Musculature</i>



PSF/AAO-HNSF Combined Grant

**Iram N. Ahmad, MD:** *Role of p75NTR and Merlin in Schwann Cell Response Following Facial Nerve Injury*

The Triological Career Development Award

**Ronna Hertzano, MD, PhD:** *Cell type-specific genome-wide mapping of protein-DNA interactions in the ear*

**Bruce K. Tan, MD:** *The Role of Autoimmunity in Chronic Sinusitis with Nasal Polyps*

## 2012 CORE Grants

AAO-HNSF Resident Research Grant  
Sponsored by The Alcon Foundation

**Robert Eppsteiner, MD:** *Genetic Contribution to Cochlear Implant Performance*

AAO-HNSF Resident Research Grant  
Sponsored by the Oticon Foundation

**Elena B. Willis, MD:** *Boosting Speech Perception after Cochlear Implantation with Tablet Software*

AAO-HNSF Resident Research Grant  
Sponsored by Olympus

**Corinna G. Levine, MD:** *Modification and Validation of a Quality of Life Comorbidity Index*

AAO-HNSF Resident Research Award

**Morgan R. Bliss, MD:** *Laryngeal reanimation with a high density electrode array*

**Paula Borges, MD:** *Aldehyde Dehydrogenase Inhibitors as Anti-Head and Neck Cancer Compounds*

**David Tan-Wei Chang, MD, PhD:** *Protein-engineered hydrogel as a delivery vehicle for mouse inner ear stem cells*

**Rebecca J. Hammon, MD:** *The Role of Apoptosis in Clinical Response of HNSCC to Cisplatin Therapy*

**Matthew Hubbard, MD:** *Use of Nanoimmunoassay to Predict Response to Targeted Therapy in HNSCC*

**Brian Kellermeyer, MD:** *The role of Ednr $\beta$  in central auditory pathway development*

**Benjamin C. Paul, MD:** *Localized Gene Silencing in Vocal Fold Injury*

**Marsha S. Reuther, MD:** *Volume Expansion and Reshaping of Tissue Engineered Human Septal Cartilage*

**Marisa Ryan, MD:** *Prognostic Value of Tregs in Sentinel Lymph Nodes in Head and Neck Melanoma*

**Vlad C. Sandulache, MD, PhD:** *MRI based evaluation of metabolic targeting in anaplastic thyroid cancer*

	<p><b>Nicole Schmitt, MD:</b> <i>Role of Osteopontin in Cisplatin Toxicity</i></p> <p><b>Andrew G. Shuman, MD:</b> <i>Decision-Making in Laryngeal Cancer</i></p> <p><b>Steven Sperry, MD:</b> <i>Defining Two Distinct Quiescent Subpopulations within Head and Neck Cancers</i></p> <p><b>Marietta Tan, MD:</b> <i>The role of aquaporin-1 in salivary gland adenoid cystic carcinoma</i></p> <p><b>Jeffrey B. Watson, MD:</b> <i>In vitro compaction of tissue engineered human septal cartilage</i></p> <p><b>Andre M. Wineland, MD:</b> <i>Novel computer-based approach to assess the cognitive impact of tinnitus</i></p>
AAO-HNSF Maureen Hannley Research Training Award	<p><b>Rodrigo Silva, MD:</b> <i>RNA-targeting approach to prevent ear canal stenosis</i></p> <p><b>Joshua Tokita, MD:</b> <i>Merlin, a tumor suppression protein, inhibits neurite growth</i></p>
AAO-HNSF Percy Memorial Research Award	<b>Yen-fu Cheng, MD:</b> <i>Novel strategy for deafness treatment-Posttranslational Atoh1 regulation by Sox2</i>
AAO-HNSF Health Services Research Grant	<b>Alexander Langerman, MD:</b> <i>Antibiotic Usage in Head and Neck Surgery</i>
AAO-HNSF Rande H. Lazar Health Services Research Grant	<b>Emily F. Boss, MD, MPH:</b> <i>Influence of Socioeconomic Status on Patient Experience in Pediatric OHNS</i>
AHNS Pilot Grant	<p><b>John W. Frederick, MD:</b> <i>Anti-CD147 inhibits EGFR signaling in cutaneous squamous cell carcinoma</i></p> <p><b>Daria Gaykalova, PhD:</b> <i>Transcription Factor Signature of Head and Neck Squamous Cell Carcinoma</i></p>
AHNS Alando J. Ballantyne Resident Research Pilot Grant	<b>Neerav Goyal, MD, MPH:</b> <i>Determining the Association between Radon Levels and Thyroid Cancer</i>
AHNS/AAO-HNSF Young Investigator Research Development Award	<b>Allen Szu Hao Ho, MD:</b> <i>Mutational characterization of adenoid cystic carcinoma</i>
AHRF Wiley H. Harrison Memorial Research Award	<b>Alan G. Gheng, MD:</b> <i>Characterizing hair cell regeneration in the mouse utricle</i>
ALA-ALVRE Award	<b>Jennifer Long, MD:</b> <i>In vivo vocal fold cover layer replacement</i>

ALA-Nestle Nutrition Institute Dysphagia Research Grant

**Cara Stepp, PhD:** *Voluntary Control of Anterior Neck Musculature in Parkinsonian Dysphagia*

ANS/ AAO-HNSF Herbert Silverstein Otolaryngology and Neurotology Research Award  
ARS New Investigator Award

**Nathan Schularick, MD:** *p75NTR Signaling in Vestibular Schwannomas*

ARS New Investigator Award

**Benjamin S. Bleier, MD:** *MDR1/P-gp Overexpression and Negative Feedback Insensitivity in CRSwNP*

ARS Resident Research Grant

**Henry P. Barham, MD:** *Investigation into Nasal Solitary Chemoreceptor Cells*  
**Adrienne M. Laury, MD:** *Periostin and RANKL Expression in Allergic Fungal Rhinosinusitis*

Knowles Center Collaborative Grant

**Anna Lysakowski, PhD:** *Protein Composition of the Striated Organelle in Vestibular Hair Cells*

AAFPRS Leslie Bernstein Resident Research Grant

**Gregg W. Schmedes, MD:** *Novel biofeedback therapy for facial paresis/paralysis*

AAFPRS Leslie Bernstein Investigator Development Grant

**Vijay Ramakrishnan, MD:** *Endoscopic repair of skull base defects with synthetic hydrogel matrices*

The Triological Career Development Award

**Wade Wei-De Chien, MD:** *Gene therapy for genetic hearing loss*

**Anne Getz, MD:** *Adverse Outcomes in Endoscopic Skull Base and Sinus Surgery*

**Ian N. Jacobs, MD:** *Tissue-Engineered Rabbit Model for Pediatric Laryngotracheal Reconstruction*

**Jayakar V. Nayak, MD, PhD:** *Basal cells in maintenance and regeneration of the nasal epithelium*

**Melissa Pynnonen, MD:** *Rhinosinusitis: Variations in care and opportunities for improvement*

### 2013 CORE Grants

AAO-HNSF Resident Research Grant  
Sponsored by The Alcon Foundation

**Britni H. Jacobs, MD:** *The role of vascular endothelial growth factor in palate development*

AAO-HNSF Resident Research Grant  
Sponsored by the Oticon Foundation

**Dunia Abdul-Aziz, MD:** *Epigenetic regulation of hair cell differentiation*

AAO-HNSF Resident Research Grant  
Sponsored by Cook Medical

**Andrea M. Park, MD:** *Low Dose Colchicine and Paclitaxel inhibit Post-Traumatic Nerve Regrowth*

AAO-HNSF Resident Research Grant  
Sponsored by Doctors Company

**Carrie L. Nieman, MD, MPH:** *Hearing Health Care Among Minority and Low Income Older Adults*

AAO-HNSF Resident Research Award

**Randall A. Bly, MD:** *Computer Modeled Multiportal Approaches to the Skull Base*

**Samuel Hahn, MD:** *Genetic variations in bitter taste receptors and sinonasal infection*

**Kyle M. Hatten, MD:** *Bitter and sweet taste receptor regulation of upper respiratory immunity*

**Candace M. Hrelec, MD:** *Prevention of Cisplatin-Induced Ototoxicity by Intratympanic Dexamethasone*

**Jinwei Hu, MD:** *Vitamin C deficiency-induced middle ear and inner ear dysfunction in mice*

**Elliot Kozin, MD:** *Optogenetic control of auditory neurons using a new generation opsin*

**Jonathan H. Law, MD:** *The Contribution of HOXB7 to Oral Cavity Squamous Cell Carcinoma Metastasis*

**Matthew Lee, MD:** *Regeneration of Mandibular Defects Using Adipose-Derived Stem Cells*

**Lauren Luk, MD:** *Gentamicin entry into hair cells and toxicity*

**Brendan P. O'Connell, MD:** *Impact of oral steroids on local dendritic cells in chronic rhinosinusitis*

**Andrea M. Park, MD:** *Evaluating the efficacy of post-operative voice rest: a pilot study*

**Seiji Shibata, MD, PhD:** *Using RNA-Interference to Rescue Progressive Hearing Loss in the Tmc1 Mouse*

AAO-HNSF Maureen Hannley Research Award

**Milan Amin, MD:** *Investigation of the Role of Steroids in Enhancing Voice Therapy Outcomes*

AAO-HNSF Saidee Keller Memorial Research Award	<b>Matthew Geltzeiler, MD:</b> <i>Personalized Cancer Care for Head and Neck Malignancy</i>
AAO-HNSF Percy Memorial Research Award	<b>Richard Kollmar, PhD:</b> <i>Restoration of recurrent-laryngeal-nerve function after injury in a rat model</i>
AAO-HNSF Health Services Research Grant	<b>Sydney C. Butts, MD:</b> <i>Perceptual Assessment of Velopharyngeal Dysfunction by Otolaryngology Residents</i>
AAOA Foundation Research Grant	<b>Charles S. Ebert, Jr., MD, MPH:</b> <i>Protease-activated receptors in allergic fungal rhinosinusitis</i> <b>Amber Luong, MD:</b> <i>TLR4 Signaling in the Pathophysiology of Allergic Fungal Rhinosinusitis</i>
AHNS Pilot Grant	<b>Matthew Hedberg, BA:</b> <i>Title: PI3K Signaling and PIK3CA; Critical Mitogenic Drivers in HNSCC</i>
AHNS Alando J. Ballantyne Resident Research Grant	<b>Michael Sim, MD:</b> <i>Effects of Carrier-Based Intralymphatic Cisplatin on Cancer Stem Cells</i>
AHNS/AAO-HNSF Young Investigator Research Development Award	<b>Nicole C. Schmitt, MD:</b> <i>Effects of STAT1 on Cisplatin and Cetuximab Sensitivity in HNSCC Patients</i>
AHNS/AAO-HNSF Translational Innovator Combined Award	<b>Luc G. Morris, MD:</b> <i>The EGFR phosphatase PTPRS as a modulator of cetuximab resistance in HNSCC</i>
AHRF Wiley H. Harrison Memorial Research Award	<b>Yen-Fu Cheng, MD</b> <i>Voluntary Control of Anterior Neck Musculature in Parkinsonian Dysphagia</i>
ALA-ALVRE Award	<b>Jacob Pieter-Noordzji, MD:</b> <i>Treatment of Chronic Laryngopharyngeal Irritability with Amitriptyline</i>
ARS New Investigator Award	<b>Nithin Adappa, MD:</b> <i>T2R38 polymorphisms as a disease modifier of CF chronic rhinosinusitis</i>
ARS Resident Research Grant	<b>Adam J. Kimple, MD, PhD:</b> <i>Regulator of G-Protein Signaling-22: a Putative Regulator of Motile Cilia</i> <b>Sarah Novis, MD:</b> <i>Variations in Antibiotic Usage for the Treatment of Acute Sinusitis</i>

ASPO Research Grant	<b>Erin Kirkham, MD:</b> <i>Assessment and Validation of Lymphatic Malformation Functional Assessment</i> <b>Jordan Virbalas, MD:</b> <i>Evaluation of the CYP2D6 gene in a diverse urban population</i>
Knowles Center Collaborative Grant	<b>David Kohrman, PhD:</b> <i>Genetic Analysis of Formin Proteins in Progressive Hearing Loss</i>
AAFPRS Leslie Bernstein Resident Research Grant	<b>Meir Hershcovitch, MD:</b> <i>Enhancing Peripheral Nerve Repair with a Bioresorbable Metal</i>
AAFPRS Leslie Bernstein Investigator Development Grant	<b>P. Daniel Ward, MD:</b> <i>Investigation of an Implantable Neuroprosthesis for Facial Reanimation</i>
The Triological Career Development Award	<b>Alexander T. Hillel, MD:</b> <i>Role of Inflammation in the Development of Laryngotracheal Fibrosis</i> <b>Amy Anne D. Lassig, MD:</b> <i>The effect of smoking on wound healing in head and neck surgery</i> <b>Amber Luong, MD:</b> <i>Dissecting Fungal Induced IL-33 Production in Respiratory Epithelial Cells</i> <b>Andrew McCall, MD:</b> <i>Influences of Limb Afferents on Central Vestibular Processing</i> <b>Albert Park, MD:</b> <i>Congenital Cytomegalovirus Induced Hearing Loss in a Murine Model</i>

## 2014 CORE Grants

AAO-HNSF Resident Research Grant Sponsored by The Alcon Foundation	<b>Courtney Hill, MD:</b> <i>Effect of tonsillectomy on taste acuity and BMI in children</i>
AAO-HNSF Resident Research Grant Sponsored by the Oticon Foundation	<b>Chad Ruffin, MD:</b> <i>Using the Novel CISPA Outcome Measure to Improve Cochlear Implants</i>
AAO-HNSF Resident Research Grant Sponsored by Cook Medical	<b>Xiaoyang Hua, MD:</b> <i>Nasal Priming of Lung Innate Immunity</i>
AAO-HNSF Resident Research Award	<b>Marisa Buchakjian, MD, PhD:</b> <i>Developing a conditional TP53/PTEN knockout mouse model of tongue cancer</i> <b>William Carroll, MD:</b> <i>Vitamin D3 deficiency and fibroblast proliferation in chronic sinusitis</i>

	<p><b>Amelia Clark, MD:</b> <i>A randomized controlled trial of bevacizumab for HHT-related epistaxis</i></p> <p><b>Daniel Faden, MD:</b> <i>Whole Genome/Transcriptome Sequencing of Oral Tongue Carcinoma in Non-smokers</i></p> <p><b>Elisabeth Ference, MD:</b> <i>Antibiotic Prescriptions for Upper Respiratory Tract Infections in Children</i></p> <p><b>John Gleysteen, MD:</b> <i>Role of Wnt Signaling in Metastatic Oral Cavity Squamous Cell Carcinoma</i></p> <p><b>Adam Kimple, MD, PhD:</b> <i>Regulating Mucociliary Clearance</i></p> <p><b>Eugene Sansoni, MD:</b> <i>Disease Severity and Vitamin D in Patients with Chronic Rhinosinusitis</i></p> <p><b>Priyanka Shah, MD:</b> <i>Role of Disulfiram in oxidative stress and OSCC xenograft burden</i></p> <p><b>Travis Shiba, MD:</b> <i>In-vivo Tissue Engineered Vocal Fold Cover Layer Replacement</i></p>
AAO-HNSF Saidee Keller Memorial Research Award	<b>Deepa Danan, MD, MBA:</b> <i>The Effect of Adipose-Derived Stem Cells on H&amp;N Squamous Cell Carcinoma</i>
AAO-HNSF Percy Memorial Research Award	<b>Maie St. John, MD, PhD:</b> <i>A Novel Modular Polymer Platform for the Treatment of Oral and HNSCC</i>
AAO-HNSF Health Services Research Grant	<b>Erin Kirkham, MD:</b> <i>The Association Between Snoring and High-Risk Carotid Plaques: A Pilot Study</i>
AAO-HNSF Rande H. Lazar Health Services Research Grant	<b>Raj Dedhia, MD:</b> <i>Assessing the Validity of VOTE Scoring for Drug Induced Sleep Endoscopy</i>
AHNS Pilot Grant	<b>Monika Freiser, BS:</b> <i>HNSCC Disparities: Identifying Critical Barriers and Intervention Targets</i>
AHNS Alando J. Ballantyne Resident Research Grant	<b>Jennifer Wang, MD:</b> <i>Chromatin Remodeling and Head and Neck Squamous Cell Carcinoma</i>
AHNS/AAO-HNSF Young Investigator Research Development Award	<b>Joseph Curry, MD:</b> <i>Multicompartment glycolytic metabolism in head and neck cancer</i>

AHNS/AAO-HNSF Translational Innovator Combined Award	<b>Seungwon Kim, MD:</b> <i>Mechanism of Perineural Invasion in Head and Neck Cancer</i>
AHRF Wiley H. Harrison MD Award	<b>Kristy Truong, MD:</b> <i>Biochemical and Topographic Guidance of Spiral Ganglion Neurite Growth</i>
ALA-Seymour R. Cohen Research Award	<b>Christopher Johnson, MD:</b> <i>Effect of sterilization on viability of murine tracheal cartilage grafts</i>
ANS/AAO-HNSF Herbert Silverstein Otolaryngology and Neurotology Research Award	<b>Dylan Chan, MD, PhD:</b> <i>Gap junctions in the cochlear response to sound and noise in vitro</i>
ARS New Investigator Award	<b>Justin Turner, MD:</b> <i>Regulation of Inflammation by Deubiquitinases in Chronic Rhinosinusitis</i>
ARS Resident Research Grant	<b>Elizabeth Cottrill, MD:</b> <i>Characterization of Sinonasal Solitary Chemosensory Cells</i> <b>Nyall London, MD, PhD:</b> <i>Targeting ARNO-Arf6 to stabilize barrier dysfunction in chronic rhinosinusitis</i>
ARS/AAOA Joint Clinical Research Award	<b>Zachary Soler, MD, MSc :</b> <i>Sleep dysfunction in chronic rhinosinusitis</i>
ASPO Research Grant	<b>Robert Morrison, MD:</b> <i>Computer-Aided Designed 3D-Printed Bioscaffold For Auricular Reconstruction</i> <b>Graham Strub, MD, PhD:</b> <i>MicroRNA-mediated regression of infantile hemangioma by propranolol</i>
ASPO Research Career Development Award	<b>Emily F. Boss, MD, MPH:</b> <i>Shared Decision-Making and Outcomes in Pediatric SDB</i>
ASPO Dustin Micah Harper Recurrent Respiratory Papillomatosis Research Grant	<b>Simon Best, MD:</b> <i>The PD-1 and PD-L1 Pathway in Recurrent Respiratory Papillomatosis</i>
Knowles Center Collaborative Grant	<b>Steven DeVries, MD, PhD:</b> <i>Role of marshallin in signaling at ribbon synapses</i>
AAFPRS Leslie Bernstein Resident Research Grant	<b>Shaun Desai, MD:</b> <i>Complications of alloplastic and allograft implants following septorhinoplasty</i> <b>Leslie Kim, MD, MPH:</b> <i>Fractionated CO2 Laser Resurfacing of Radial Forearm Free Flap Donor Site Scars</i>



AAFPRS Research Scholar Award	<b>Sagar Patel, MD:</b> <i>Biomechanics of the Orbital Floor Fracture</i>
The Triological Career Development Award	<b>Jon-Paul Pepper, MD:</b> <i>Peripheral nerve grafts engineered from mature human fibroblasts</i>
	<b>Simon Best, MD:</b> <i>Therapeutic DNA vaccine for Recurrent Respiratory Papillomatosis</i>
	<b>Matthew Bush, MD :</b> <i>Promoting Early Congenital Hearing Loss Diagnosis With Patient Navigation</i>
	<b>Jolie Chang, MD:</b> <i>Plasticity of Binaural Integration in Asymmetric Sensorineural Hearing Loss</i>
	<b>Jeremy Meier, MD:</b> <i>Improving value in pediatric tonsillectomy through shared decision making</i>
	<b>Aaron Moberly, MD:</b> <i>Personalizing Aural Rehabilitation for Adults with Cochlear Implants</i>
	<b>Stephanie Smith, MD:</b> <i>Acute rhinosinusitis complications: risks and role of prior antibiotics</i>