# Historical List of CORE Grant Recipients

## 1985 CORE Grants

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Recipient</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Timothy Kaiser, MD</td>
<td>The Flow Cytometric Effects of Hyperthermia and Photoradiation on Squamous Carcinoma Cells in vitro</td>
</tr>
</tbody>
</table>

## 1986 CORE Grants

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<thead>
<tr>
<th>Grant Type</th>
<th>Recipient</th>
<th>Project Title</th>
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</thead>
<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Douglas E. Dawson, MD</td>
<td>Antiproliferative Antibodies to Squamous Cell Carcinoma of the Head and Neck</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Stephen P. Cass, MD</td>
<td>Compensation after Labyrinthectomy and Vestibular Nerve Section in Cats</td>
</tr>
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## 1987 CORE Grants

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<thead>
<tr>
<th>Grant Type</th>
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</thead>
<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Dan J. Castro, MD</td>
<td>Argon Laser Phototherapy of Human Tumors Sensitized with Rhodamine 123: Intracellular Mechanisms of Action</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Robert Culberson, MD</td>
<td>Correlations of Squamous Cell Carcinoma Metastatic Potential to the Presence of Somatic Fusion Production</td>
</tr>
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## 1988 CORE Grants

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<thead>
<tr>
<th>Grant Type</th>
<th>Recipient</th>
<th>Project Title</th>
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<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Daniel J. Franklin, MD</td>
<td>An Experimental Analysis of the Effects of Repeated Sound Exposure</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Perry M. Santos, MD</td>
<td>Effect of Hyperbaric Oxygen on Peripheral Nerve Regeneration Following Injury</td>
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## 1989 CORE Grants

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<thead>
<tr>
<th>Grant Type</th>
<th>Recipient</th>
<th>Project Title</th>
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<tbody>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Jonathon S. Sillman, MD</td>
<td>Functional EleCenterical Stimulation of Denervated Facial Muscles in Rabbits</td>
</tr>
</tbody>
</table>

American Academy of Otolaryngology-Head and Neck Surgery Foundation
Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants  

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<thead>
<tr>
<th>1990 CORE Grants</th>
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</thead>
<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td><strong>Carter Van Waes, MD, PhD:</strong> Microbiology of Cancer Suppressor Genes in Head and Neck Cancer</td>
</tr>
</tbody>
</table>
| AAO-HNSF Percy Memorial Research 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 Resident Research Award | **Ramon M. Esclamado, MD:** The Laryngeal Brain Stem Evoked Response as a Predictor for Fatal Reflex Apnea  
**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 |

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<tr>
<th>1991 CORE Grants</th>
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</table>
| 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 |

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<tr>
<th>1992 CORE Grants</th>
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American Academy of Otolaryngology-Head and Neck Surgery Foundation
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<th>Award Type</th>
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</table>
| AAO-HNSF Earleen Elkins Research Training Award | J. Christopher Post, MD                          | PCR Identification of M. Catarrhalis DNA in Chronic Otitis Medica

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<tbody>
<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Jay F. Piccirillo, MD</td>
<td>Rhinosinusitis Outcomes Research: Instrument Validation</td>
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<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Jay T. Rubinstein, MD, PhD</td>
<td>Single-Fiber Models of Electrical Stimulation</td>
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<td></td>
<td>Robert N. Strominger, MD</td>
<td>Neural Regeneration in the Damaged Mammalian Cochlea</td>
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<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Thomas M. Jung, MD, PhD</td>
<td>An Alpha-6 Beta-4 mRNA Deletion May Aid Prognosis of Head and Neck Cancer</td>
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<tr>
<td>PSF/AAO-HNSF Combined Grant</td>
<td>Perry M. Santos, MD</td>
<td>Effect of Sustained Release Nerve Growth Factor and Laminin from a Bioresorbable Nerve Guidance Channel on Nerve Regeneration</td>
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**1993 CORE Grants**

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<tbody>
<tr>
<td>AAOA/AAO-HNSF Combined Research Grant</td>
<td>Fuad Baroody, MD</td>
<td>Effects of Temperature and Humidity on Nasal Allergic Responses</td>
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<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Jonathan C. Irish, MD</td>
<td>Epidermal Growth Factor and Ligand Interaction - the Use of Organoid Cultures as a Model for Study</td>
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<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Anthony Rogerson, MD</td>
<td>Recovery of Laryngeal Function after Laser and Stripping Injury</td>
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<td></td>
<td>Benzion Goldwyn, MD</td>
<td>Role of the Peptidergic System During Noise Exposure</td>
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<td>K. Brian Romaneschi, MD</td>
<td>Medicaliators of Neuronal Changes in Acquired Deafness</td>
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<td>Scott E. Strome, MD</td>
<td>Gene Therapy: Potential Applicability to the Immunotherapy of Metastatic Tumors</td>
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<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Paul B. Brechtelsbauer, MD</td>
<td>Nitric Oxide and Cochlear Blood Flow</td>
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<tr>
<td>PSF/AAO-HNSF Combined Grant</td>
<td>Richard Rival, MD</td>
<td>The Osteoneogenic Potential of Temporal and Periosteal Flaps</td>
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**1994 CORE Grants**
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<th>Title</th>
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<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Role of Casein Kinase 2 (CK-2) in Squamous Cell Carcinoma of the Head and Neck</td>
<td>Markus Gapany, MD</td>
</tr>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Evoked Otoacoustic Emissions in Patients on Hemodialysis</td>
<td>Moufid Abdo, MD</td>
</tr>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>EMS1 Amplification, Expression, and Phosphorylation in Head and Neck Squamous Cell Carcinoma</td>
<td>Wendell Yarbrough, MD</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td></td>
<td>Jill C. Beck, MD</td>
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<tr>
<td>PSF/AAO-HNSF Combined Grant</td>
<td>Human Papilloma Virus in Nasal Inverted Papilloma</td>
<td>William M. Kuzon, MD</td>
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<tr>
<td><strong>1995 CORE Grants</strong></td>
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<tr>
<td>AAOA/AAO-HNSF Combined Research Grant</td>
<td>The Role of Neuropeptides in the Genesis of Nasal Polyps</td>
<td>Anil Gungor, MD</td>
</tr>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>A Clinical Staging System for Oral Cavity Cancer</td>
<td>Frederic Pugliano, MD</td>
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<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Transmural Heparin to Prevent Microvascular Thrombosis</td>
<td>Lisa Orloff, MD</td>
</tr>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>In Vivo Assessment of Vascular Adhesion of Squamous Carcinoma</td>
<td>Richard L. Scher, MD</td>
</tr>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Effects of TGFα on Inner Ear Extra Sensory Cells in Rats</td>
<td>Alice Kuntz, MD</td>
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<tr>
<td></td>
<td>Development of Implantable Cochlear Nerve Microelectrode for Prosthetic Stimulation of Auditory System</td>
<td>Derek Jones, MD</td>
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<td>Factors Preventing Apoptosis in Spiral Ganglion Neurons</td>
<td>Joseph Hegarty, MD</td>
</tr>
<tr>
<td></td>
<td>Expression of Human Papilloma Virus in Nasal Inverted Papilloma</td>
<td>Monte O. Harris, MD</td>
</tr>
</tbody>
</table>
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-b1 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 Allotransplantation

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
Afshin Parhiscar, MD: Can Patient Satisfaction with Decisions Predict Compliance with Surgical Therapy?

Dory Durr, MD: Validity of Quebec French Rhinosinusitis Outcome Measure

Patti C. Huang, MD: Development of a New Outcome Measure for Patients with Dysphagia

AAO-HNSF Percy Memorial Research Award

Ian N. Jacobs, MD: Gene Therapy in the Prevention of Subglottic Stenosis

AAO-HNSF Resident Research Award

Brook Seeley, MD: T Cell Homing Mechanisms in Adoptive Immunotherapy

Charles Limb, MD: Age-related Development of Synapses in the Cochlear Nuclei of Mice: Effects of Deafness

Charles Tseng, MD: Cells Involved in Cochlear Nerve Fiber Regeneration

Jeffrey Faulkner, MD: Growth and Development of Homograft Tracheal Transplant

AHNS/AAO-HNSF Young Investigator Research Development Award

Jeffrey N. Myers, MD, PhD: Biochemoprevention of Premalignant Lesions of the Larynx

John Song, MD: Retinoid Modulation of Autocrine Growth in Squamous Cell Carcinoma

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

Ted A. Meyer, MD, PhD: Modeling Word Recognition in Adult Cochlear Implant Users

XoMedical Award for Excellence in Clinical Research

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

1999 CORE Grants

Edward M. Weaver, MD, MPH: Correlation between Physiologic Parameters by Polysomnography and QOL Measures in Adult Patients with OSA Syndrome

Eric M. Genden, MD: Donor Specific Immunosuppression to the Laryngotracheal Complex

AAO-HNSF Earleen Elkins Research Training Award

Marcella Bothwell, MD: Long-term Outcome of Facial Growth After Pediatric Functional Endoscopic Sinus Surgery
AAO-HNSF Percy Memorial Research Award  
**Stephen S. Park, MD:** Tissue Engineered Cartilage Grown from Human Chondrocytes

AAO-HNSF Resident Research Award  
**Timothy E. Hullar, MD:** Response Dynamics of Irregular Vestibular Afferents  
**Brian Gastman, MD:** Molecular Mechanisms of Squamous Cell Carcinoma of the Head and Neck Induced Apoptosis of T Lymphocytes  
**Hamid Djalilian, MD:** GMCSF-Based Vaccine in the Treatment of Squamous Cell Carcinoma in Rats  
**John Sinacori, MD:** Aging in the Human Lateral Cricoarytenoid Muscle

AHNS/AAO-HNSF Surgeon Scientist Award  
**Lyon Gleich, MD:** Alloantigen Therapy for Head and Neck Cancer

Combined Grant  
**M. Abraham Kuriakose, MD:** Immunotherapy of Head and Neck Squamous Cell Carcinoma with Biodegradable Microspheres

AHNS/AAO-HNSF Young Investigator Research Development Award  
**Lawrence R. Lustig, MD:** The Characterization of \( \alpha \)9, the Nicotinic Hair Cell Acetylcholine Receptor, in Human Inner Ear Tissue

ANS/AAO-HNSF Herbert Silverstein Otology and Neurotology Research Award  
**Elizabeth Redd, MD:** Analysis of Primary Synapses in the Congenitally Deaf White Cat

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants  
**John Lasak, MD:** Characterization of the Untranslated Regions of the Neurofibromatosis Type 2 Gene

XoMedical Award for Excellence in Clinical Research  
**Marta Taylor Becker, MD:** Cytokeratins as Molecular Markers for Head and Neck Cancers  
**Miriam Lango, MD:** Mutant EGFR in Head and Neck Cancer

**2000 CORE Grants**

AAO-HNSF Earleen Elkins Research Training Award  
**Andrew P. Lane, MD:** Inflammatory Mediators in Allergic Fungal Sinusitis

AAO-HNSF Health Services Research Grant  
**David Kay, MD:** Quality of Life for Children with Persistent Sinonasal Symptoms

AAO-HNSF Percy Memorial Research Award  
**Robert M. Naclerio, MD:** Role of TH1 Cells in Acute Bacterial Sinusitis

AAO-HNSF Resident Research Award  
**Marta Taylor Becker, MD:** Cytokeratins as Molecular Markers for Head and Neck Cancers  
**Miriam Lango, MD:** Mutant EGFR in Head and Neck Cancer
**AHNS Pilot Grant**

**Paul Leong, MD:** STAT3 As an Anti-apoptotic Target for SCCHN

**Richard Bergstrom, MD:** Modulation of Adoptive Immunotherapy Using Tumor Draining Lymph Nodes by Anti-DC40 Monoclonal Antibody

**John Germiller, MD:** Otocyst Cell Lines as Models of Hair Cell Development

**Joseph Sniezek, MD:** Cell Cycle Research with Squamous Cell Carcinoma of the Head and Neck

**Jeffrey Moyer, MD:** Dendrimer Nanotechnology for the Treatment of Squamous Cell Cancers of the Head and Neck

**AHNS/AAO-HNSF Young Investigator Research Development Award**

**Douglas Frank, MD:** The AD-p53-Mediated Bystander Effect: Investigating the Role of Gap Junctional Intercellular Communication

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

**David R. Friedland, MD, PhD:** Maturation of Terminal Endings in the Cochlear Nucleus

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

**Sven-Olrik Streubel, MD:** Investigation of the Three-dimensional Properties of the Vestibulo-ocular Reflex

**PSF/AAO-HNSF Combined Grant**

**F. Robert Glatz, MD:** Reconstruction of the Rabbit Trachea using Cultured Tracheal Epithelium with an Autograft Cartilaginous Framework

**The Triological Career Development Award**

**Ronald de Venecia, MD, PhD:** Identifying the Interneurons of Acoustic Reflexes

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**2001 CORE Grants**

**AAO-HNSF Health Services Research Grant**

**Alexander Ovchinsky, MD:** Placebo Response and Otitis Media Outcomes

**AAO-HNSF Percy Memorial Research Award**

**Todd Loehrl, MD:** Role of Dysautonomia in Upper Airway Inflammation

**M. Jennifer Derebery, MD, FACS:** Pilot Study of the Effectiveness of Famvir in Meniere’s Disease

**AAO-HNSF Resident Research Award**

**Michael Pitman, MD:** Thyroid fluorescence - Using Fluorescence SpeCenteroscopy to Diagnose Thyroid Disease
Norman Ge, MD: Effects of Anti-inflammatory Agents on Hearing Loss, Fibrosis, and Neossification in Experimentally Induced Labyrinthitis Ossificans

Daniel Rothbaum, MD: Robotic Microsurgery in Otology: The Steady Hand in Stapedotomy

Greg Davis, MD: Predicting Quality of Life After Treatment for Chronic Sinusitis

Michael Srodes, MD: Role of Chemokines in Mediating Tumor Regression Following Adoptive Immunotherapy

Stephen Y. Lai, MD, PhD: Extracellular Matrix Regulation of Head and Neck Cancers

Tamekia Wakefield, MD: Characterization of the anti-tumor T-cell immune response to autologous and allogenic murine dendritic cells primed with irradiated tumor

AHNS Pilot Grant

Elizabeth Sisk, MD: A Pilot Study Investigating DNA Tumor Viruses in Head and Neck Carcinoma

Lori Kornberg, MD: Genetic Changes in Head and Neck Cancers

AHNS/AAO-HNSF Young Investigator Research Development Award

Paul Spring, MD: Characterization and Modulation of Multidrug Resistance in Anaplastic Thyroid Carcinoma

ALA-ALVRE Award

Yolanda Heman-Ackah, MD: Effects of Hypoxia on the Laryngeal Chemoreflex

ARS New Investigator Award

David Conley, MD: Apoptosis in the Aging Olfactory Mucosa

ARS Resident Research Grant

Larry Burton, Jr., MD: The Immune Response to Fungi in Chronic Sinusitis and Allergic Rhinitis

ASPO Research Grant

Judith E. Lieu, MD: Prediction of Hearing Loss in High Risk Newborns

GlaxoSmithWellcome Clinical Research Fellowship

Carol S. Shores, MD, PhD: Detection of Occult Cervical Metastasis in Head and Neck Squamous Cell Carcinoma

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

Alan Gi-Lun Cheng, MD: Molecular Studies of Hair Cell Death: Caspase Activation and Inhibition

PSF/AAO-HNSF Combined Grant
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<tr>
<th>Award Type</th>
<th>Investigator</th>
<th>Title</th>
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<tbody>
<tr>
<td>The Triological Career Development Award</td>
<td>Daphne Bascom, MD</td>
<td>Effects of Oral Antioxidant Therapy on Graft Survival</td>
</tr>
<tr>
<td>XoMedical Award for Excellence in Clinical Research</td>
<td>John Schweinfurth, MD</td>
<td>Use of the Organotypic (Raft) Epithelial Culture System to Examine the Pathogenesis of Human RPV</td>
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<td></td>
<td>Robert Ferris, MD, PhD</td>
<td>Cytolytic Immune Response to p53 in Head and Neck Cancer</td>
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<td></td>
<td>Albert H. Park, MD</td>
<td>Ropivacaine Injection for Pediatric Adenotonsillectomy</td>
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<tr>
<td>2002 CORE Grants</td>
<td>Samson Lee, MD</td>
<td>Differential Genomic Expression Analysis of Craniosynostosis and its Relation to Apoptosis</td>
</tr>
<tr>
<td>AAFPRS Leslie Bernstein Resident Research Grant</td>
<td>Mike Shin, MD</td>
<td>The Role of Cytokines in Nasal Polyp Formation</td>
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<td></td>
<td>Angela Powell-Davis, MD</td>
<td>A Role for Vitamin D3 in the Treatment of Human Head and Neck Squamous Cell Carcinoma</td>
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<td></td>
<td>Bridget Hathaway, MD</td>
<td>Tumor-derived, DNA-based Vaccines for SCCHN</td>
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<td>Karin Hotchkiss, MD</td>
<td>Ion Channel Protein Interactions in the Mammalian Ear</td>
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<td>Pamela Roehm, MD</td>
<td>Apoptosis Induced By Transtympanic Gentamicin Injection</td>
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<td>Robert Cullen, MD</td>
<td>Neuronal Responses to Bilateral Cochlear Implants</td>
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<td>Samuel Gubbels, MD</td>
<td>Tracheal Reconstruction Using Porcine Small Intestine Submucosa in a Rabbit Model</td>
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<td>Walter Lee, MD</td>
<td>Allogenic Tumor Hybrid Cells As Basis for Tumor Vaccine</td>
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<td>AHNS Pilot Grant</td>
<td>Wen Jiang, MD</td>
<td>Identification of CSMD1 Binding Partners</td>
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<td>Matthew Wolpoe, MD</td>
<td>Immunotherapy in NEU+/p53- Mice with Salivary Cancer</td>
</tr>
<tr>
<td>AHNS/AAO-HNSF Young Investigator Research Development Award</td>
<td>Richard Wong, MD</td>
<td>Herpes Virus Oncolytic and Immunostimulatory (IL 12) Gene Therapy for Cancer</td>
</tr>
<tr>
<td>AHRF Wiley H. Harrison Memorial Research Award</td>
<td>Quinton Gopen, MD</td>
<td>Unbiased Stereologic Estimates of Spiral Ganglion Cells and Auditory Nerve Fibers in Normal and Pathologic Human Temporal Bones</td>
</tr>
</tbody>
</table>
ANS/AAO-HNSF Herbert Silverstein Otology 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 TransforMedical 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-B 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
American Academy of Otolaryngology-Head and Neck Surgery Foundation

AHNS/AAO-HNSF Young Investigator Research Development Award
Eben L. Rosenthal, MD: The Role of EMMPRIN in Head and Neck Squamous Cell Carcinoma

AHRF Wiley H. Harrison Memorial Research Award
Yael Raz, MD: SLIT/ROBO Signaling in the Developing Auditory System

ALA-ALVRE Award
Christopher Hartnick, MD: Development and Maturation of the Pediatric Vocal Chord

ANS/AAO-HNSF Herbert Silverstein Otology and Neurotology Research Award
Clifford Hume, MD, PhD: Hair Cell Induction in the Postnatal Organ of Corti

ARS Resident Research Grant
Alex Bien, MD: Nasal Mucosal Sensitivity in Young and Old
Joel Perloff, MD: Evaluation of Biofilms in Chronic Sinusitis

ASPO Research Grant
Scott Brietzke, MD: Pulse Transit Time and Pediatric Sleep-disordered Breathing

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants
James Chan, MD: Inner Ear Injury in Autoimmune Sensorineural Hearing Loss

PSF/AAO-HNSF Combined Grant
Dana Smith, MD: Bone Regeneration in Rats Using BNMP-2 AND VEGF Plasmid DNA

The Triological Career Development Award
Craig A. Buchman, MD: Pathogenesis of Viral Otitis Media
dal
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
dal

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
Marina Boruk, MD: Caregiver Well-being and Child Quality of Life
Gary L. Clayman, MD, DDS: Characterization Of Lekti in Head and Neck Cancer
Steven Goudy, MD, PhD: IRF-6 Depends on BMP-2, BMP-4, and SHH in Palatogenesis
David Hicks, MD: Effect of TGF-B on Nasal Septal Chondrocytes in Alginate
Lee Ching Anderson, MD: Effects of Intratympanic Gentamicin on Canal Cristae
Michael Shinners, MD: Myogenic Regulatory Factors in Rabbit Laryngeal Muscles
Nathan Sautter, MD: Outcome of Acoustic Injury in MCP-1/CCR-2 Knockout Mice
Randall Taylor, MD: Microarray Analysis of NF Kappa-B and PPAR Gamma in HNSCC
Scott Thompson, MD: Estrogen Blockade and Otoacoustic Emissions
Douglas Reh, MD: Role of Smad4 in HNSCC Formation and Progression
Kepal Patel, MD: Anti-MUC1 Targeting in Aggressive Thyroid Cancer
Jeffrey S. Wolf, MD: Head and Neck Cancer Growth Suppression by Lactoferrin
Alan Micco, MD: In Vivo Mapping of Implant EleCenterode Current Pathways
James Palmer, MD: Assessment of Bacterial Biofilms in Sinusitis
Joseph Raviv, MD: EleCenterical Olfactory Responses After Axotomy in Mice
Michele St. Martin, MD: Aerosol Deposition Efficiency in the Paranasal Sinuses
Nalin Patel, MD: Cidofovir-modulated Gene Expression in RRP
Giovana R. Thomas-Smith, MD: Stress and Immunity in Patients with Head & Neck Cancer
Marc D. Eisen, MD: EleCenterode Interaction in Pediatric Cochlear Implants
### 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

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<thead>
<tr>
<th>Grant Type</th>
<th>Investigator</th>
<th>Title</th>
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<tbody>
<tr>
<td>AAFPRS Leslie Bernstein Resident Research Grant</td>
<td>Brian Chung, MD</td>
<td>Novel HA-based Biomaterials for Soft Tissue Augmentation</td>
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<td></td>
<td>Vincent Chan, MD</td>
<td>Inhibition of MSC Activity in Cutaneous Wound Healing</td>
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<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Marc Eisen, MD</td>
<td>EleCenterophysiology of the Implanted Congenitally Deaf Cat</td>
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<tr>
<td>AAO-HNSF Health Services Research Grant</td>
<td>David O. Francis, MD</td>
<td>Surveillance Strategies and Outcomes in Head &amp; Neck Cancer</td>
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<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Carol S. Shores, MD, PhD</td>
<td>Microarray analysis prediction of cisplatin sensitivity</td>
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<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Aaron Friedman, MD</td>
<td>Dendritic Cells and Laryngeal Ttansplantation</td>
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<td>Derek Lam, MD</td>
<td>Development of a Composite Measure of the Nasal Airway</td>
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<td>Felipe Santos, MD</td>
<td>Hair Cell Toxicity</td>
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<td></td>
<td>Jayakar Nayak, MD</td>
<td>Antigen Processing Machinery in SCCHN</td>
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<td>Ricardo Cristobal, MD</td>
<td>Gene Expression in Stem Cells from the Inner Ear</td>
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<td>Scott Schraff, MD</td>
<td>Immunomodulary Genes in CMV-related Inner Ear Injury</td>
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<tr>
<td>AHNS Pilot Grant</td>
<td>Emiro Caicedo-Granados, MD</td>
<td>In Vivo Effects of Resveratrol on Tumorigenesis</td>
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<td>Seungwon Kim, MD</td>
<td>Therapy of Thyroid Carcinoma with Erbitux and Avastatin</td>
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<tr>
<td>AHNS/AAO-HNSF Surgeon Scientist Award</td>
<td>Jeffrey Moyer, MD</td>
<td>Immunotherapy of Head and Neck Squamous Cell Cancers</td>
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American Academy of Otolaryngology-Head and Neck Surgery Foundation
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<th>Award</th>
<th>Recipient</th>
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<tbody>
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<td>AHNS/AAO-HNSF Young Investigator Research Development Award</td>
<td>Steven Wang, MD: Hyaluranon Signaling in Head and Neck Cancer Progression</td>
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<tr>
<td>AHRF Wiley H. Harrison Memorial Research Award</td>
<td>John Germiller, MD: Stimulating Auditory Nerve Growth with Embryonic Factors</td>
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<tr>
<td>ANS/AAO-HNSF Herbert Silverstein Otology and Neurotology Research Award</td>
<td>Romaine Johnson, MD: Mitochondrial Mutation Screening in At-risk Infants</td>
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<tr>
<td>ARS New Investigator Award</td>
<td>Rodney J. Schlosser, MD: Surfactant Proteins A and D in Chronic Sinusitis</td>
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<tr>
<td>ARS Resident Research Grant</td>
<td>Luc Morris, MD: Nasal Airway Physiology during Stages of Sleep</td>
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<tr>
<td>ARS Resident Research Grant</td>
<td>Murugappan Ramanathan, MD: The Role of Toll-like Receptors in Chronic Sinusitis</td>
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<tr>
<td>ASPO Research Grant</td>
<td>Rebecca Stone, MD: OSD in Failure to Thrive: Prevalence and Growth Effects of Tonsillectomy</td>
</tr>
<tr>
<td>GlaxoSmithWellcome Clinical Research Fellowship</td>
<td>Marion Couch, MD, PhD: Allogeneic Vaccines with Immunomodulation for Oral Cancer</td>
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<td>2006 CORE Grants</td>
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<tr>
<td>AAO-HNSF Health Services Research Grant</td>
<td>Karthik Balakrishnan, MD: Evaluation of a Comprehensive Sleep Apnea Disease Severity Staging System</td>
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<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Wendell G. Yarbrough, MD: Effect of P13K Inhibition in HPV-associated HNSCC</td>
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<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Matthew Provenzano, MD: Pharmacologic Up-regulation of the Sodium Iodine Symporter in Thyroid Carcinoma</td>
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<td>Paul Weinberger, MD: Molecular Analysis of Human Papilloma Virus-associated Oropharyngeal Cancer</td>
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<td>Robert Kang, MD: Validation of a Music Perception Test for Adult Cochlear Implantees</td>
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<td>Stephen Weber, MD: Role of AKT in Progression of Head and Neck Squamous Cell Carcinoma</td>
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<td>Mark S. Weinberger, MD: Modulation of Adhesion Molecule Expression in Nasal Allergy</td>
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</tbody>
</table>

American Academy of Otolaryngology-Head and Neck Surgery Foundation
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 EleCentero-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

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

Christian Lane Stallworth, MD: Coblation Thermal Reformation of Cartilage

AAO-HNSF Health Services Research Grant

Seth M. Cohen, MD: Impact of Dysphonia in the Primary Care Community

AAO-HNSF Maureen Hannley Research Training Award

Albert H. Park, MD: Development of a Guinea Pig Model for CMV Induced Sensorineural Hearing Loss
Pamela Roehm, MD, PhD: The Role of Neurotrophins in HSV-1 Latency in a Vestibular Neuritis Model

AAO-HNSF Percy Memorial Research Award

Richard Orlandi, MD: Development of an Animal Model for Sinus Wound Healing
Rodney J. Schlosser, MD: Sublingual Immunotherapy: Clinical and Immunologic Outcomes

AAO-HNSF Resident Research Award

Alexander Tell Hillel, MD: Bioactive Polymer System to Engineer Adipose Tissue
Angela A. Chang, MD: Tissue Engineering of Human Nasal Septal Cartilage in a Perfusion Bioreactor
Chris Cederberg, MD: Clinical Correlation Between Strial Presbycusis and Cardiovascular Disease
David O. Francis, MD: Reevaluation of GERD as a Risk Factor for Laryngeal Cancer
Jonathan Yew Ming Ting, MD: Validating a Novel Speech Discrimination Test in Hearing-Impaired Infants
Michael Edward Stadler, MD: Effects of TLRs 4 & 9 on an Allogeneic Whole Cell GM-CSF-Scrating Tumor Vaccine
Paula Janelle Harmon, MD: Viral response to Chemotherapy in Endemic Burkitt Lymphoma
Ryan Palivela Raju, MD, MBA: Role of the Wnt pathway in Oropharyngeal and Hypopharyngeal Cancer
Sarah Louise Rohde, MD: The Role of VEGF in Isolated Cleft Palate
Selena Eldora Heman-Ackah, MD: Prevention of Age-Related Hearing Loss in C57BL Mice

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

Thuy-Anh Nguyen Melvin, MD: The Effects of Cochlear Implantation of Vestibular Function
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 Nitrix 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 Allographs*

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
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<tr>
<th>Award/Merit</th>
<th>Investigator, MD: Description</th>
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<tbody>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Landon Duyka, MD: <em>Hormone Receptors Identified in Vascular Malformations of the Head and Neck</em></td>
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<td>Jeremy Meier, MD: <em>Fluorescence SpeCenteroscopy in Oral Cavity Cancer</em></td>
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<td>Eric Snyder, MD: <em>Injury Threshold Detection in Optical Nerve Stimulation</em></td>
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<td>Jennifer Hsia, MD: <em>Gene expression profiling of fluorescently labeled mouse spiral ganglion neurons</em></td>
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<td>Harry Hwang, MD: <em>Efficacy of topiramate in patients with vestibular migraines</em></td>
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<td>Kevin Wang, MD: <em>CT-guided Frequency-Place Mapping for Bilateral Cochlear Implant Patients</em></td>
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<td>Rolando Rosas, MD, MSc: <em>Differentiation of squamous cancers with PPAR gamma</em></td>
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<td>Christopher Towe, MD: <em>Characterizing the Inhibition of SCCRO by Ubiquitinated Proteins</em></td>
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<td>Daniel Schneider, MD: <em>Human Papilloma Virus Association with HNSCC</em></td>
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<td>Brandon Bentz, MD: <em>Non-Retinoid Metabolites of beta-Carotene and p53 in Head and Neck Cancer</em></td>
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<td>Mark Jameson, MD, PhD: <em>CABYR: A Novel Cancer-Testis Antigen in Head and Neck Squamous Cell Carcinoma</em></td>
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<td>Judith Lieu, MD, PhD: <em>Inter-regional brain interactions in children with unilateral hearing loss</em></td>
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<td>Dinesh Chhetri, MD: <em>In vivo measurements of vocal fold stiffness.</em></td>
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<td>Joseph Roche, MD: <em>Long term changes in synaptic function of cells in the rat auditory cortex</em></td>
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<td>Bradley Otto, MD: <em>The Role of Epithelial Cells in Chronic Rhinosinusitis with Nasal Polyps</em></td>
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<td></td>
<td>Monica Patadia, MD: <em>Mechanisms of B-Cell Recruitment in Chronic Rhinosinusitis with Nasal Polyps</em></td>
</tr>
</tbody>
</table>
Frederick Roediger, MD: Microarray Analysis of Chronic Rhinosinusitis

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

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

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

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

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

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
Uchechukwu C. Megwalu, MD: DIM Inhibits Stem Cell Medicaliated 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

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

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

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

American Academy of Otolaryngology-Head and Neck Surgery Foundation
AHNS/AAO-HNSF Young Investigator Research Development Award

**Babak Givi, MD:** Pathway as a determinant of vaccinia oncolytic efficacy in thyroid cancer

**Rutherford Ongkeko, MD, PhD:** BMI1 in head and neck squamous cell carcinoma stem cells

**Matthew L. Bush, MD:** In vitro and in vivo response to HDAC inhibitors by vestibular schwannomas

AHRF Wiley H. Harrison Memorial Research Award

**Garani Nadaraja, MD:** Mechanisms of Aminoglycoside Uptake in Murine Hair Cells

**Johannes Grimmer, MD:** Determining if mutation in region 7q32 is the genetic cause of PHACES syndrome

**Scott Brietzke, MD:** Objective Analysis of Pediatric Snoring Before and After Adenotonsillectomy

ASPO Research Grant

**Mark Eckert, MD:** Neural Changes Underlying Speech-Perception Training in the Aging Brain

DRF Centurion Clinical Research Grant

**Richard Zoumalan, MD:** Prevention of radiation-induced skin fibrosis by topical gene therapy

PSF/AAO-HNSF Combined Grant

**Alan Cheng, MD:** The role of Wnt signaling in maintaining the inner ear stem cells

**Jeffrey Scott Magnuson, MD:** Proactive Approach to Dysphagia in Head and Neck Cancer Patients

**Michael Pitman, MD:** A Rat Model of Recurrent Laryngeal Nerve Injury: Investigation of RLN Motoneurons

**Pamela Roehm, MD:** Role of TrkB in Maintenance of Latency in a Culture Model of Vestibular Neuritis

**Steve C. Lee, MD:** Modulators of immune activation by anti-EGFR monoclonal antibodies in SCCHN

The Triological Career Development Award

**2010 CORE Grants**

**Alcon Foundation/AAO-HNSF Resident Research Grant**

**Haena Kim, MD:** Bacterial inhibition by innate antimicrobials in chronic rhinosinusitis

**AAFPRS Leslie Bernstein Grant**

**Elizabeth Whiting Chance, MD:** Tissue engineered, 3D dermal implant prefabrication using nanofiber scaffolds
AAFPRS Leslie Bernstein Resident Research Grant

**Melynda Barnes, MD:** The neuroprotective effects of copaxone after facial nerve injury

**Joshua Weissman, MD:** Evaluation of radiofrequency therapy for lateral nasal wall collapse

AAOA Foundation Research Grant

**Murugappan Ramanathan, MD:** The role of allergen specific T cells in chronic sinusitis with nasal polyps

AAO-HNSF Resident Research Award

**Marcelo Antunes, MD:** Tobacco smoke mediated induction of upper airway bacterial biofilms

**Jolie Chang, MD:** Otoacoustic emissions and cochlear efferent function in Parkinson’s disease

**John P. Dahl, MD, PhD, MBA:** Flexible cartilage in microtia repair: umbilical cord stem cells on Nano-Implant

**Taylor Fordham, MD:** Therapeutic potential of topical antioxidants in CRS

**Joseph E. Hall, MD:** Modulation of inflammatory signaling in acute phonotrauma

**Summer Hanson, MD:** Adipose derived MSCs with a hydrogel scaffold for soft tissue augmentation

**Nancy Judd, MD:** Anti-tumorigenic activity of zoledronate in oral cavity squamous cell carcinoma

**Abie H. Mendelsohn, MD:** Acoustic effects of asymmetric laryngeal stimulation

**Matthew W. Miller, MD:** Distribution and trafficking of cisplatin within the cochlea

**Rick F. Nelson, MD, PhD:** Defining the role of CatSper ion channels in the cochlea

**Peter Revenaugh, MD:** Characterization of tyramine-based hyaluronan as a cartilage substitute

**Sunitha M. Sequeira, MD:** MicroCT-assisted evaluation of superior canal dehiscence

**Rahul Seth, MD:** Facial nerve neurorrhaphy and the effects of glucocorticoids

AAO-HNSF Maureen Hannley Research Training Award

**Corinna G. Levine, MD:** The impact of sleep surgery on the quality of life of sleep apnea patients

AAO-HNSF Percy Memorial Research Award

**Amy Chen, MD:** Comparative effectiveness of laryngeal cancer treatment using SEER-Medicare

American Academy of Otolaryngology-Head and Neck Surgery Foundation
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

AAO-HNSF Rande H. Lazar Health Services Research Grant

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

AHNS Pilot Grant

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

AHNS Alando J. Ballantyne Resident Research Pilot Grant

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

AHNS/AAO-HNSF Young Investigator Research Development Award

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

AHRF Wiley H. Harrison Memorial Research Award

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

The Triological Career Development Award

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

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

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

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

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

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

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

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

American Academy of Otolaryngology-Head and Neck Surgery Foundation
Sunshine M. Dwojek, MD: Outcomes among American Indians in South Dakota with Squamous Cell Carcinoma

Jonathan R. George, MPH, MD: Case-control study of a novel head and neck squamous cell carcinoma biomarker

Natalya Chernichenko, MD: The Role of Rho Family Proteins in Perineural Invasion by Cancer Cells

Paul M. Weinberger, MD: Minimally invasive multiplexed assays for the detection of thyroid cancer

Tara Rachakonda, MD: Validity, discriminative ability and sensitivity to change of the HEAR-QL

Holly Boyer, MD: Office-sclerotherapy for epistaxis due to hereditary hemorrhagic telangiectasia

Samuel L. Oyer, MD: Inflammatory role of fibroblasts in chronic rhinosinusitis

Nicholas C. Sorrel, MD: Manuka Honey for Management of CRS – an in vitro and in vivo Analysis

Joseph Haddad, Jr., MD: Identification of Genes Associated with Familial Non-syndromic Cleft Lip/Palate

Marci Lesperance, MD: Development of a cost-effective algorithm for evaluation of genetic hearing loss

James E. Saunders, MD: Genetic Hearing Loss in Remote Nicaraguan Families

Robin W. Lindsay, MD: Development of Comparative Effectiveness Tools in Facial Paralysis

J. Regan Thomas, MD: Experimental Studies on Photo Aging in the Mouse model

Sang Woo Kim, MD: Histologic Changes Following Sensory Neuroprotection of Facial Musculature
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