# 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

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Recipient</th>
<th>Project Title</th>
</tr>
</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>
</tbody>
</table>

## 1987 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>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

<table>
<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>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>
</tr>
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## 1989 CORE Grants

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<thead>
<tr>
<th>Grant Type</th>
<th>Recipient</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Jonathon S. Sillman, MD</td>
<td>Functional Electrophysical Stimulation of Denervated Facial Muscles in Rabbits</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Carter Van Waes, MD, PhD</td>
<td>Microbiology of Cancer Suppressor Genes in Head and Neck Cancer</td>
</tr>
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## 1990 CORE Grants

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Investigator</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Mark C. Loury, MD</td>
<td>Purification and Characterization of Human Odorant Binding Protein</td>
</tr>
<tr>
<td></td>
<td>Phillip A. Wackym, MD</td>
<td>Localization of Nicotinic Acetylcholine Receptor Subunit mRNA in the Vestibular Periphery</td>
</tr>
<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Ramon M. Esclamado, MD</td>
<td>The Laryngeal Brain Stem Evoked Response as a Predictor for Fatal Reflux Apnea</td>
</tr>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Michael D. Seidman, MD</td>
<td>The Protective Effects of Allopurinol, U74006F, and Superoxide Dismutase on Noise-Induced Hearing Loss</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Edwin M. Overholt, MD</td>
<td>Developmental Changes in Interaural Delay</td>
</tr>
<tr>
<td></td>
<td>Briana Heniford West, MD</td>
<td>EGF Receptor Regulation in Oral Squamous Cell Carcinoma</td>
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## 1991 CORE Grants

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Investigator</th>
<th>Project Title</th>
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</thead>
<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>John M. Truelson, MD</td>
<td>Cytogenetic Changes in Squamous Cell Carcinoma of the Upper Aerodigestive Tract</td>
</tr>
<tr>
<td></td>
<td>Richard L. Scher, MD</td>
<td>Expression and Function of the Intercellular Adhesion Molecule on Squamous Cell Carcinoma</td>
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<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>David B. Hom, MD</td>
<td>Vascular Effects of Sustained Fibroblast Growth Factors</td>
</tr>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Janice D. Janas, MD</td>
<td>Cochlear Hair Cell Regeneration</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Rick A. Friedman, MD, PhD</td>
<td>Cloning the Insertion Site of a Transgenic Inner Ear Mutant</td>
</tr>
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</table>

## 1992 CORE Grants

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<thead>
<tr>
<th>Award Type</th>
<th>Investigator</th>
<th>Project Title</th>
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</thead>
<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>J. Christopher Post, MD</td>
<td>PCR Identification of M. Catarrhalis DNA in Chronic Otitis Mediaclia with Effusion</td>
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<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Jay F. Piccirillo, MD</td>
<td>Rhinosinusitis Outcomes Research: Instrument Validation</td>
</tr>
<tr>
<td>Grant Type</td>
<td>Name</td>
<td>Project Title</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 ElectroCenteral Stimulation</td>
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<tr>
<td></td>
<td>Robert N. Strominger, MD, PhD</td>
<td>Neural Regeneration in the Damaged Mammalian Cochlea</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt</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>Resident Research Grants</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>
</tr>
<tr>
<td>PSF/AAO-HNSF Combined Grant</td>
<td>Fuad Baroody, MD</td>
<td>Effects of Temperature and Humidity on Nasal Allergic Responses</td>
</tr>
<tr>
<td>1993 CORE Grants</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></td>
<td>Anthony Rogerson, MD</td>
<td>Recovery of Laryngeal Function after Laser and Stripping Injury</td>
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<tr>
<td></td>
<td>Benzioin Goldwyn, MD</td>
<td>Role of the Peptidergic System During Noise Exposure</td>
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<tr>
<td></td>
<td>K. Brian Romaneschi, MD</td>
<td>Mediators of Neuronal Changes in Acquired Deafness</td>
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<tr>
<td></td>
<td>Scott E. Strome, MD</td>
<td>Gene Therapy: Potential Applicability to the Immunotherapy of Metastatic Tumors</td>
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<td></td>
<td>Paul B. Brechtelsbauer, MD</td>
<td>Nitric Oxide and Cochlear Blood Flow</td>
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<tr>
<td></td>
<td>Richard Rival, MD</td>
<td>The Osteoneogenic Potential of Temporal and Periosteal Flaps</td>
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<tr>
<td>1994 CORE Grants</td>
<td>Markus Gapany, MD</td>
<td>Role of Casein Kinase 2 (CK-2) in Squamous Cell Carcinoma of the Head and Neck</td>
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<tr>
<td></td>
<td>Moufid Abdo, MD</td>
<td>Evoked Otoacoustic Emissions in Patients on Hemodialysis</td>
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<tr>
<td></td>
<td>Wendell Yarbrough, MD</td>
<td>EMS Amplification, Expression, and Hospitalylation in Head and Neck</td>
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</table>
## AAO-HNSF Resident Research Award

<table>
<thead>
<tr>
<th>Researcher</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Gregory Hyde, MD</td>
<td>Mitochondrial Role in Auditory Neuron Survival Following Deafness</td>
</tr>
<tr>
<td>Kathleen Billings, MD</td>
<td>Apoptosis in Squamous Cell Carcinoma of the Head and Neck</td>
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## Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants

<table>
<thead>
<tr>
<th>Researcher</th>
<th>Title</th>
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<tbody>
<tr>
<td>Jill C. Beck, MD</td>
<td>Human Papilloma Virus in Nasal Inverted Papilloma</td>
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</table>

## PSF/AAO-HNSF Combined Grant

<table>
<thead>
<tr>
<th>Researcher</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>William M. Kuzon, MD</td>
<td>Muscle-Nerve-Muscle Neurotization in Laryngeal and Somatic Muscles</td>
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## 1995 CORE Grants

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Researcher</th>
<th>Title</th>
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<tbody>
<tr>
<td>AAOA/AAO-HNSF Combined Research Grant</td>
<td>Anil Gungor, MD</td>
<td>The Role of Neuropeptides in the Genesis of Nasal Polyps</td>
</tr>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Frederic Pugliano, MD</td>
<td>A Clinical Staging System for Oral Cavity Cancer</td>
</tr>
<tr>
<td></td>
<td>Lisa Orloff, MD</td>
<td>Transmural Heparin to Prevent Microvascular Thrombosis</td>
</tr>
<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Richard L. Scher, MD</td>
<td>In Vivo Assessment of Vascular Adhesion of Squamous Carcinoma</td>
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<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Alice Kuntz, MD</td>
<td>Effects of TGFα on Inner Ear Extra Sensory Cells in Rats</td>
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<td></td>
<td>Derek Jones, MD</td>
<td>Development of Implantable Cochlear Nerve</td>
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<td>MicroeleCenterode for Prosthetic Stimulation of Auditory System</td>
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<td></td>
<td>Joseph Hegarty, MD</td>
<td>Factors Preventing Apoptosis in Spiral Ganglion Neurons</td>
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<td></td>
<td>Monte O. Harris, MD</td>
<td>Expression of Human Papilloma Virus in Nasal Inverted Papilloma</td>
</tr>
<tr>
<td></td>
<td>Oneida Arosarena, MD</td>
<td>Enhancement of Cell-Medicated Immunity against Head and Neck Squamous Cell Carcinoma</td>
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<tr>
<td></td>
<td>Paul Hoff, MD</td>
<td>Vascularized Periosteum and Perichondrium in Tracheal Reconstruction</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Thanh-van Nguyen, MD</td>
<td>Micromechanics of Outer Hair Cell Lateral Wall</td>
</tr>
<tr>
<td>PSF/AAO-HNSF Combined Grant</td>
<td>Jesse Salmeron, MD</td>
<td>Tissue Oxygen Tension Monitoring in Free Bone Transfer</td>
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American Academy of Otolaryngology-Head and Neck Surgery Foundation
### 1996 CORE Grants

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Principal Investigator(s)</th>
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<tbody>
<tr>
<td>AAOA-AAO-HNSF Combined Research Grant</td>
<td>Martin DesRosiers, MD: Nasal Responses to Challenges with Occupational Agents</td>
</tr>
<tr>
<td></td>
<td>Timothy L. Smith, MD: The Role of Nitric Oxide as a Mediator of Nasal Allergy in Rat</td>
</tr>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Howard W. Francis, MD: Neurophysiology of the Deafferented Rat Cochlear Nucleus</td>
</tr>
<tr>
<td>AAO-HNSF Health Services Research Grant</td>
<td>Judith Cho Lieu, MD: Pediatric Sinusitis Outcomes Study</td>
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<tr>
<td></td>
<td>Richard Gliklich, MD: Assessment of Quality of Life Outcomes in Patients with Unilateral Vocal Fold Paralysis</td>
</tr>
<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Carol A. Bauer, MD: A Behavioral Model of Chronic Tinnitus in Rats</td>
</tr>
<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>David Dillard, MD: Effects of TGF-b1 on Healing and ECM Expression</td>
</tr>
<tr>
<td></td>
<td>Eben L. Rosenthal, MD: Membrane Type Metallo-proteinase in Squamous Cell Carcinoma</td>
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<tr>
<td></td>
<td>Marlan R. Hansen, MD: Intracellular Signaling Mechanisms in Spiral Ganglion Neuron Survival</td>
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<tr>
<td></td>
<td>Paul Bikhazi, MD: Familial Unilateral Acoustic Neuroma: A New Syndrome or a Variable Expression of NF II?</td>
</tr>
<tr>
<td></td>
<td>Lawrence R. Lustig, MD: Efficacy of Direct and Adeno-associated, Virus-Medicaliated Neurotrophin-3 in Preventing Neural Degeneration</td>
</tr>
<tr>
<td>Norwich-Eaton/Procter &amp; Gamble/Mallinckrodt Resident Research Grants</td>
<td>Douglas Trask, MD, PhD: Modulation of Chemosensitivity in Squamous Cell Tumors</td>
</tr>
<tr>
<td>PSF-AAO-HNSF Combined Grant</td>
<td>Eric Genden, MD: Alloantigen-specific Immunosuppression/Nerve Allotransplantation</td>
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### 1997 CORE Grants

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Principal Investigator(s)</th>
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<tbody>
<tr>
<td>AAO-HNSF Earleen Elkins Research Training Award</td>
<td>Cherie-Ann Nathan, MD: Tumor Marker e1F-4E in the Diagnosis and Prognosis of Head and Neck Cancer</td>
</tr>
<tr>
<td>AAO-HNSF Health Services Research Grant</td>
<td>Ramon Franco, MD: Obstructive Sleep Apnea -- Quality of Life Impact Survey (OSA-20)</td>
</tr>
<tr>
<td></td>
<td>Robin Brody, MD: Caregiver Assessment of</td>
</tr>
</tbody>
</table>

American Academy of Otolaryngology-Head and Neck Surgery Foundation
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

American Academy of Otolaryngology-Head and Neck Surgery Foundation
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

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

Marcella Bothwell, MD: Long-term Outcome of Facial Growth After Pediatric Functional Endoscopic Sinus Surgery

Stephen S. Park, MD: Tissue Engineered Cartilage Grown from Human Chondrocytes

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

Lyon Gleich, MD: Alloantigen Therapy for Head and Neck Cancer

American Academy of Otolaryngology-Head and Neck Surgery Foundation
AHNS/AAO-HNSF Young Investigator Research Development Award
M. Abraham Kuriakose, MD: Immunotherapy of Head and Neck Squamous Cell Carcinoma with Biodegradable Microspheres

ANS/AAO-HNSF Herbert Silverstein Otology and Neurotology Research Award
Lawrence R. Lustig, MD: The Characterization of 9, the Nicotinic Hair Cell Acetylcholine Receptor, in Human Inner Ear Tissue

Norwich-Eaton/Procter & Gamble/Mallinckrodt Resident Research Grants
Elizabeth Redd, MD: Analysis of Primary Synapses in the Congenitally Deaf White Cat

XoMedical Award for Excellence in Clinical Research
John Lasak, MD: Characterization of the Untranslated Regions of the Neurofibromatosis Type 2 Gene

**2000 CORE Grants**

AAO-HNSF Earleen Elkins Research Training Award
Andrew P. Lane, MD: Inflammatory Medicaliators 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
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

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

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

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

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

Alexander Ovchinsky, MD: Placebo Response and Otitis Media Outcomes

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

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 Neos ossification in Experimentally Induced Labyrinthitis Ossificans

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

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 priMedical with irradiated tumor

Elizabeth Sisk, MD: A Pilot Study Investigating DNA Tumor Viruses 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

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

The Triological Career Development Award

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

XoMedical Award for Excellence in Clinical Research

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 Cancer
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 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
American Academy of Otolaryngology-Head and Neck Surgery Foundation

XoMedical Award for Excellence in Clinical Research

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

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

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

James Chan, MD: Inner Ear Injury
Resident Research Grants

PSF/AAO-HNSF Combined Grant

The Triological Career Development Award

2004 CORE Grants

AAFPRS Leslie Bernstein Investigator Development Grant

AAFPRS Leslie Bernstein Resident Research Grant

AAOA/AAO-HNSF Combined Research Grant

AAO-HNSF Earlen Elkins Research Training Award

AAO-HNSF Health Services Research Grant

AAO-HNSF Percy Memorial Research Award

AAO-HNSF Resident Research Award

AHNS Pilot Grant

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

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

David Kim, MD: Functional Rhinoplasty: Multicenter Prospective Outcomes

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

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

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
AHNS/AAO-HNSF Young Investigator Research Development Award

Kepal Patel, MD: Anti-MUC1 Targeting in Aggressive Thyroid Cancer

Jeffrey S. Wolf, MD: Head and Neck Cancer Growth Suppression by Lactoferrin

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

Alan Micco, MD: In Vivo Mapping of Implant Electrode Current Pathways

ARS New Investigator Award

James Palmer, MD: Assessment of Bacterial Biofilms in Sinusitis

ARS Resident Research Grant

Joseph Raviv, MD: Electroencephalitical Olfactory Responses After Axotomy in Mice

Michele St. Martin, MD: Aerosol Deposition Efficiency in the Paranasal Sinuses

ASPO Research Grant

Nalin Patel, MD: Cidofovir-modulated Gene Expression in RRP

GlaxoSmithWellcome Clinical Research Fellowship

Giovana R. Thomas-Smith, MD: Stress and Immunity in Patients with Head & Neck Cancer

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

Marc D. Eisen, MD: Electroencephalography 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

AAFPRS 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: Electroencephalography of the Implanted Congenitally Deaf Cat

American Academy of Otolaryngology-Head and Neck Surgery Foundation
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  
**Jeffrey Moyer, MD**: Immunotherapy of Head and Neck Squamous Cell Cancers

AHNS/AAO-HNSF Young Investigator Research Development Award  
**Steven Wang, MD**: Hyaluranon Signaling in Head and Neck Cancer Progression

AHRF Wiley H. Harrison Memorial Research Award  
**John Germiller, MD**: Stimulating Auditory Nerve Growth with Embryonic Factors

ANS/AAO-HNSF Herbert Silverstein Otology and Neurotology Research Award  
**Romaine Johnson, MD**: Mitochondrial Mutation Screening in At-risk Infants

ARS New Investigator Award  
**Rodney J. Schlosser, MD**: Surfactant Proteins A and D in Chronic Sinusitis

ARS Resident Research Grant  
**Luc Morris, MD**: Nasal Airway Physiology during Stages of Sleep  
**Murugappan Ramanathan, MD**: The Role of Toll-like Receptors in Chronic Sinusitis

ASPO Research Grant  
**Rebecca Stone, MD**: OSD in Failure to Thrive: Prevalence and Growth Effects of Tonsillectomy

GlaxoSmithWellcome Clinical Research Fellowship  
**Marion Couch, MD, PhD**: Allogeneic Vaccines with Immunomodulation for Oral Cancer
### 2006 CORE Grants

**AAO-HNSF Health Services Research Grant**
- Karthik Balakrishnan, MD: Evaluation of a Comprehensive Sleep Apnea Disease Severity Staging System

**AAO-HNSF Percy Memorial Research Award**
- Wendell G. Yarbrough, MD: Effect of P13K Inhibition in HPV-associated HNSCC

**AAO-HNSF Resident Research Award**
- Matthew Provenzano, MD: Pharmacologic Up-regulation of the Sodium Iodine Symporter in Thyroid Carcinoma
- Paul Weinberger, MD: Molecular Analysis of Human Papilloma Virus-associated Oropharyngeal Cancer
- Robert Kang, MD: Validation of a Music Perception Test for Adult Cochlear Implantees
- Stephen Weber, MD: Role of AKT in Progression of Head and Neck Squamous Cell Carcinoma
- Mark S. Weinberger, MD: Modulation of Adhesion Molecule Expression in Nasal Allergy

**AHNS Pilot Grant**
- 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

**AHNS/AAO-HNSF Young Investigator Research Development Award**
- Michael Kupferman, MD, PhD: Preclinical Modeling of a Novel Inhibitor of STAT3 Signaling in HNSCC

**AHRF Wiley H. Harrison Memorial Research Award**
- Ted A. Meyer, MD, PhD: Signal Detection with Cochlear Implants

**ARS New Investigator Award**
- 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

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

**ASPO Research Grant**
- Manali Amin, MD: The Effects of Gastro-
**American Academy of Otolaryngology-Head and Neck Surgery Foundation**

**Sinus and Allergy Health Partnership**

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

**The Triological Career Development Award**

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**

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-Secreting 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 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 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 Type11 alpha1 in Head and Neck Cancer

AAO-HNSF Percy Memorial Research Award

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

American Academy of Otolaryngology-Head and Neck Surgery Foundation
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
Amy Anne Lassig, MD: The effect of treating institution on outcomes in head and neck cancer
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
Landon Duyka, MD: Hormone Receptors Identified in Vascular Malformations of the Head and Neck
Jeremy Meier, MD: Fluorescence SpeCenteroscopy in Oral Cavity Cancer
Eric Snyder, MD: Injury Threshold Detection in Optical Nerve Stimulation
Jennifer Hsia, MD: Gene expression profiling of fluorescently labeled mouse spiral ganglion neurons
Harry Hwang, MD: Efficacy of topiramate in patients with vestibular migraines
Kevin Wang, MD: CT-guided Frequency-Place Mapping for Bilateral Cochlear Implant Patients
Rolando Rosas, MD, MSc: Differentiation of squamous cancers with PPAR gamma
Christopher Towe, MD: Characterizing the Inhibition of SCCRO by Ubiquitinated Proteins
Daniel Schneider, MD: Human Papilloma Virus Association with HNSCC
Brandon Bentz, MD: Non-Retinoid Metabolite’s of beta-Carotene and p53 in Head and Neck Cancer
Mark Jameson, MD, PhD: CABYR: A Novel Cancer-Testis Antigen in Head and Neck Cancer
American Academy of Otolaryngology-Head and Neck Surgery Foundation

AHRF Wiley H. Harrison Memorial Research Award

Judith Lieu, MD, PhD: Inter-regional brain interactions in children with unilateral hearing loss

ALA-ALVRE Award

Dinesh Chhetri, MD: In vivo measurements of vocal fold stiffness.

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

Joseph Roche, MD: Long term changes in synaptic function of cells in the rat auditory cortex

ARS New Investigator Award

Bradley Otto, MD: The Role of Epithelial Cells in Chronic Rhinosinusitis with Nasal Polyps

ARS Resident Research Grant

Monica Patadia, MD: Mechanisms of B-Cell Recruitment in Chronic Rhinosinusitis with Nasal Polyps

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
# 2009 CORE Grants

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Researcher</th>
<th>Summary</th>
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<tr>
<td>AAOA/AAO-HNSF Combined Research Grant</td>
<td>Jiri Prazma, MD, PhD</td>
<td>Immunologic effects of LPS on OVA-induced Eustachian tube dysfunction in rats</td>
</tr>
<tr>
<td>AAO-HNSF Percy Memorial Research Award</td>
<td>Ravindra Uppaluri, MD</td>
<td>Contribution of chemokine receptor CXCR3 to cutaneous squamous cell carcinoma</td>
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<td></td>
<td>Silvana M. Papagerakis, MD</td>
<td>Metastatic and invasive behavior of head and neck cancer stem cells</td>
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<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Betty S. Tsai, MD</td>
<td>Effect of cochlear capsule bone matrix material properties on hearing</td>
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<td>Dylan K. Chan, MD</td>
<td>Cochlear stem-cell therapy for mammalian hair-cell regeneration</td>
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<td>Eli R. Groppo, MD</td>
<td>Oropharyngeal Human Papillomavirus (HPV) colonization and anogenital dysplasia</td>
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<td>Jack R. Schleiffarth, MD</td>
<td>A Zebrafish Model for Cleft Lip and Palate</td>
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<td>James E. Lupo, MD</td>
<td>Physiological assessment of middle ear implant stimulation of the round window</td>
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<td>Jason Bloom, MD</td>
<td>Laser Facial Nerve Welding in a Rabbit Model</td>
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<td></td>
<td>Jonathan C. Kopelovich, MD</td>
<td>Gene expression changes in the rat spiral ganglion with eleCenterical stimulation</td>
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<td>Jonathan Skirko, MD</td>
<td>Quality of Life Instruments in Velopharyngeal Insufficiency (VPI)</td>
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<td></td>
<td>Kalpesh Vakharia, MD</td>
<td>Facial Nerve Paralysis and Darbepoetin</td>
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<td></td>
<td>Lauren A. Kilpatrick, MD</td>
<td>The Role of SDF-1 and Hematopoietic Stem Cells in Spiral Ganglion Preservation</td>
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<td></td>
<td>Noel Jabbour, MD</td>
<td>Validated Objective Assessment Tools for Airway Endoscopy Simulation</td>
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<td>Osarenoma U. Olomu, MD</td>
<td>Psychophysics of the Aging Vestibular System</td>
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<td>Pavan S. Mallur, MD</td>
<td>Characterization of 532nm Pulsed KTP-Induced Scar Modulation in the Rat Larynx</td>
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<td>Uchechukwu C. Megwalu, MD</td>
<td>DIM Inhibits Stem Cell Mediated Neovascularization in Thyroid Disease</td>
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<tr>
<td>AAO-HNSF Resident Research Award sponsored by Xoran Technologies, Inc.</td>
<td>Vivian F. Wu, MD: New mechanisms that regulate c-Myc oncogenic activity in HNSCC</td>
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<tr>
<td>AHNS Alando J. Ballantyne Resident Research Pilot Grant</td>
<td>Stephanie A. Shintani Smith, MD: Computed Tomography of Cochlear Soft Tissues at a Cellular Level</td>
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<tr>
<td>AHNS Pilot Grant</td>
<td>Alec Vaezi, MD, PhD: Implications of abnormal mitosis in chromosomal instability and tumorigenesis</td>
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<tr>
<td>AHNS/AAO-HNSF Surgeon Scientist Award Combined Grant</td>
<td>Raewyn Seaberg, MD, PhD: MECT1-MAML2 fusion transcript in patients with mucoepidermoid carcinoma</td>
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<tr>
<td>AHNS/AAO-HNSF Young Investigator Research Development Award</td>
<td>Neil Gross, MD: Phase I/II Study of Postoperative Adjuvant Chemoradiation for Cutaneous SCCHN</td>
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<tr>
<td>AHRF Wiley H. Harrison Memorial Research Award</td>
<td>Matthew L. Bush, MD: In vitro and in vivo response to HDAC inhibitors by vestibular schwannomas</td>
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<td>ASPO Research Grant</td>
<td>Garani Nadaraja, MD: Mechanisms of Aminoglycoside Uptake in Murine Hair Cells</td>
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<td>Johannes Grimmer, MD: Determining if mutation in region 7q32 is the genetic cause of PHACES syndrome</td>
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<td>Scott Brietzke, MD: Objective Analysis of Pediatric Snoring Before and After Adenotonsillectomy</td>
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<tr>
<td>DRF Centurion Clinical Research Grant</td>
<td>Mark Eckert, MD: Neural Changes Underlying Speech-Perception Training in the Aging Brain</td>
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<tr>
<td>PSF/AAO-HNSF Combined Grant</td>
<td>Richard Zoumalan, MD: Prevention of radiation-induced skin fibrosis by topical gene therapy</td>
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<tr>
<td>The Triological Career Development Award</td>
<td>Alan Cheng, MD: The role of Wnt signaling in maintaining the inner ear stem cells</td>
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<td></td>
<td>Jeffrey Scott Magnuson, MD: Proactive Approach to Dysphagia in Head and Neck Cancer Patients</td>
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</tbody>
</table>
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

### 2010 CORE Grants

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Investigator</th>
<th>Project Description</th>
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<tbody>
<tr>
<td>Alcon Foundation/AAO-HNSF Resident Research Grant</td>
<td>Haena Kim, MD</td>
<td>Bacterial inhibition by innate antimicrobials in chronic rhinosinusitis</td>
</tr>
<tr>
<td>AAFPRS Leslie Bernstein Grant</td>
<td>Elizabeth Whiting Chance, MD</td>
<td>Tissue engineered, 3D dermal implant prefabrication using nanofiber scaffolds</td>
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<tr>
<td>AAFPRS Leslie Bernstein Resident Research Grant</td>
<td>Melynda Barnes, MD</td>
<td>The neuroprotective effects of copaxone after facial nerve injury</td>
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<td>Joshua Weissman, MD</td>
<td>Evaluation of radiofrequency therapy for lateral nasal wall collapse</td>
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<tr>
<td>AAOA Foundation Research Grant</td>
<td>Murugappan Ramanathan, MD</td>
<td>The role of allergen specific T cells in chronic sinusitis with nasal polyps</td>
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<tr>
<td>AAO-HNSF Resident Research Award</td>
<td>Marcelo Antunes, MD</td>
<td>Tobacco smoke mediated induction of upper airway bacterial biofilms</td>
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<td>Jolie Chang, MD</td>
<td>Otoacoustic emissions and cochlear efferent function in Parkinson’s disease</td>
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<td>John P. Dahl, MD, PhD, MBA</td>
<td>Flexible cartilage in microtia repair: umbilical cord stem cells on Nano-Implant</td>
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<td>Taylor Fordham, MD</td>
<td>Therapeutic potential of topical antioxidants in CRS</td>
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<td>Joseph E. Hall, MD</td>
<td>Modulation of inflammatory signaling in acute phonotrauma</td>
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<td>Summer Hanson, MD</td>
<td>Adipose derived MSCs with a hydrogel scaffold for soft tissue augmentation</td>
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<td>Nancy Judd, MD</td>
<td>Anti-tumorigenic activity of zoledronate in oral cavity squamous cell carcinoma</td>
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<td>Abie H. Mendelsohn, MD</td>
<td>Acoustic effects of asymmetric laryngeal stimulation</td>
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<td>Matthew W. Miller, MD</td>
<td>Distribution and</td>
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American Academy of Otolaryngology-Head and Neck Surgery Foundation
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

Sunita 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

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
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

ALA-ALVRE Award

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

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

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

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

ARS New Investigator Award

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

ARS Resident Research Grant

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