

## **PEDIATRIC OTOLARYNGOLOGY**

### KEY SPONSORS:

#### **Joseph Haddad, JR MD**

Contact: 305-8333

- *Treatment modality for otitis media*
- *Pathogenesis of otitis media*
- *Genetic inheritance patterns of cleft palate*

#### **Eli Grunstein, MD**

Contact: 305-8333

- *Hearing impairment in children*
- *Treatment of velopharyngeal insufficiency and its voice ramifications*
- *Improving practice management efficiency*

## **MOLECULAR ONCOLOGY**

### KEY SPONSOR:

#### **Gloria Su, Ph.D.**

Contact: 305-1701 Effective 9/03++

- *Development of a rat model for study of various carcinomas*
- *Identification of tumor suppressor genes*

## **BASIC HEARING SCIENCE/AUDITORY BIOPHYSICS**

### KEY SPONSOR:

#### **Elizabeth Olson, Ph.D., Director, Fowler Memorial Laboratory**

Contact: 305-3993

- *Pressure measurements of the inner ear*
- *Modeling of mechanics of middle ear*

#### **Shyam Khanna, Ph.D., Professor Emeritus**

Contact: 305-3993

- *Development of new methods of visualizing the cochlea: confocal slit divided-aperture microscope*

*If you wish to participate in any of these research activities, contact Dr. J. Spitzer at 305-4972 or 305-5820; her email is [jbs50@columbia.edu](mailto:jbs50@columbia.edu).*

## **RESEARCH OPPORTUNITIES IN THE DEPARTMENT OF OTOLARYNGOLOGY/ HEAD AND NECK SURGERY**

**Columbia University  
Department of  
Otolaryngology/Head  
and Neck Surgery**

## OTOLOGY

### KEY SPONSORS:

#### **Ian Storper, MD**

Contact: 305-1906

- Implantable devices for hearing restoration
- Treatment modalities for vertigo
- Treatment modalities for sensorineural hearing loss
- Clinical studies of otologic/neurotologic pathologies

## AUDIOLOGY

### KEY SPONSORS:

#### **Jaclyn B. Spitzer, Ph.D.**

Contact: 305-4972

- Auditory implants, rehabilitative impact and outcome measures
- Cochlear implants, efficacy of new technology
- Challenges in Geriatric Aural Rehabilitation
- Central auditory disorders and evaluation methods

#### **Abbey L. Berg, Ph.D.**

Contact: 305-0656

- Early detection of hearing loss
- Effect of micronutrient deficiencies on hearing in developing countries
- Outcomes of neonatal hearing screening failures

## HEAD/NECK SURGERY

### KEY SPONSORS:

#### **Salvatore Caruana, MD**

Contact: 305-5820

- Thyroid/parathyroid disease
- Laser microsurgery for head and neck cancer

#### **Lanny Garth Close, MD**

Contact: 305-5820

- Pathologies and surgical techniques in cancer treatment
- Endoscopic sinus surgery

#### **Hector Rodriguez, MD**

Contact: 305-3036

- Endonasal laser septoplasty and turbinectomy
- Laser-assisted palatoplasty (LAUP) and tonsillectomy
- Radio-frequency tissue ablation (Somnoplasty) of tongue base, palate, and tonsils for the treatment of obstructive sleep apnea

## FACIAL PLASTICS AND RECONSTRUCTIVE SURGERY

### KEY SPONSORS:

#### **Jeffrey Ahn, MD**

Contact: 305-5820

- Mechanism of facial nerve regeneration
- Role of local factors in pathogenesis of chronic rhinitis and sinusitis
- Clinical research of obstructive sleep apnea and snoring

#### **Monica Tadros, MD**

Contact: 305-5820

- Facial Reconstruction with fat grafting
- Ethnic rhinoplasty

## LARYNGOLOGY

### KEY SPONSORS:

#### **Jonathan E. Aviv, MD**

Contact: 305-5820

- Swallowing disorders, evaluation using Flexible Endoscopic Evaluation of Swallowing with Sensory Test [FEESST] and therapeutic advances
- Optical transesophageal echocardiography
- Transnasal esophagoscopy

#### **Thomas Murry, Ph.D.**

Contact: 305-5820

- Outcomes in treatment of voice disorders
- Care of the professional voice
- Swallowing disorders, diagnosis and intervention
- Laryngeal physiology, voice acoustics and aerodynamics