

Inaugural Guest Speaker

Ralph Horwitz, MD, Dean
Case School of Medicine

Invited Guest Speakers

Andrew Griffith, MD, Ph.D.
NIDCD/NIH, Rockville, MD

Matthew Warman, MD, Department of
Genetics, Case School of Medicine

James Dennis, Ph.D., Senior Research
Associate, Department of Biology, Case
Western Reserve University

Panos Savvides, MD, Ph.D., MPH
Assistant Professor, Division of
Hematology/Oncology, Case School of
Medicine

Program Coordinators

Kumar Alagramam, Ph.D., Assistant
Professor, Director of Research
Department of Otolaryngology-Head
and Neck Surgery

Cliff Megerian, MD, Associate Professor
Otology/Neurotology, Director of
Clinical Research, Department of
Otolaryngology-
Head and Neck Surgery

Faculty

Robert Sprecher, MD, Assistant
Professor
Director of Pediatric Otolaryngology
Department of Otolaryngology-Head and
Neck Surgery

James E. Arnold, MD
The Julius W. McCall Professor and
Chair Department of Otolaryngology-
Head and Neck Surgery, Professor of
Pediatrics, Case School of Medicine

Residents

Department of Otolaryngology-Head and Neck Surgery

Samantha Anne, MD, PGY-3

Brian Drew, MD, PGY-4

Freedom Johnson, MD, PGY-2

Richard Lee, MD, PGY-2

Nitin Pagedar, MD, PGY-3

Maroun Semaan, MD, PGY-2

Jairo Torres, MD, PGY-2

Mark Vecchiotti, MD, PGY-4

David Weber, MD, PGY-5

University Hospitals of Cleveland
Department of Otolaryngology - Head & Neck
Surgery
11100 Euclid Avenue - Lakeside 4500
Cleveland, Ohio 44106

FIRST ANNUAL RESEARCH DAY 2005

DEPARTMENT OF OTOLARYNGOLOGY- HEAD & NECK SURGERY

**MARCH 12, 2005
WOLSTEIN AUDITORIUM**



Case School of Medicine
University Hospitals of Cleveland

Program Coordinators:
Kumar Alagramam, Ph.D.
Cliff Megerian, MD

First Annual Research Day 2005

Department of Otolaryngology - Head &
Neck Surgery
University Hospitals of Cleveland
March 12, 2005 - Wolstein Auditorium

Welcome to the First Research Day Program at the Department of Otolaryngology-Head and Neck Surgery. The aim is to highlight ongoing research in the Department with special emphasis on resident research. Our guest speakers will shed light on the genetic basis of hearing loss associated with enlarged aqueducts and human genetic approaches to understanding biologic pathways.

Program Agenda

7:30-8:15am Breakfast
8:15-8:30am Introduction - Drs
Alagramam and James
Arnold
8:30-8:45am Inauguration - Ralph
Horwitz, MD (Dean, Case
School of Medicine)

Molecular Otology

8:45-9:00am Meniere's Disease: What we
know today - Dr. Cliff
Megerian (Faculty)
9:00-9:15am Molecular pathogenesis of
hydropic hearing loss -
Samantha Anne, MD
(Resident)

9:15-9:30am Mouse Model for Hydrops?
- Maroun Semaan, MD
(Resident)
9:30-9:45am p53 and Capase-3
expression in hydropic ears
- Jairo Torres, MD
(Resident)
9:45-10:00am Protocadherin Genes &
Deafness - Kumar
Alagramam, Ph.D. (Faculty)
10:00-10:15am Cell-type specific analysis
using Laser Capture
Microdissection - Nitin
Pagedar, MD (Resident)

10:15-10:30 am **Coffee Break**

Head & Neck Cancer

10:30-10:45 am Combination of drugs and
radiation in HNSCC-looking
for signatures of progress -
Panos Savvides, MD, Ph.D.,
MPH (Assistant Professor-
Division of Hematology-
Oncology, Case School of
Medicine)
10:45-11:00am Identification of Markers
Associated with Squamous
Cell Carcinoma of the Oral
Cavity: A genomic approach
- Freedom Johnson, MD
(Resident)

Tissue Engineering

11:00-11:15am Engineering autologous
cartilage for tracheal
reconstruction - James
Dennis, Ph.D. (Senior
Research Associate, Case
Western Reserve
University)

11:15-11:30am Tissue engineered auricular
cartilage for laryngo-
tracheal reconstruction -
Brian Drew, MD (Resident)
11:30-11:45am Tissue engineered tympanic
membrane patches - David
Weber, MD (Resident)

Photodynamic Therapy

11:45-12:00 pm Photodynamic therapy for
Recurrent Respiratory
Papillomatosis - Robert
Sprecher MD (Faculty)
12:00-12:15 pm Establishing a new
experimental model for
photodynamic therapy -
Mark Vecchiotti, MD
(Resident)
12:15-12:30 pm Photodynamic Therapy with
Phthalocyanine (Pc) 4 in a
CRPV xenograft system -
Richard Lee, MD (Resident)

12:30-1:15pm **LUNCH**

GUEST SPEAKERS

1:15-2:00pm Human Genetic Approaches
for Understanding Biologic
Pathways-Matthew
Warman, MD (Genetics,
Case School of Medicine)
2:00-3:00pm The Genetics Basis of
Hearing Loss Associated
with Enlarged Aqueducts -
Andrew Griffith, MD. Ph.D.
(NIDCD/NIH)
3:00-3:45pm Round Table Discussion -
Faculty & Guest Speakers
3:45-3:50pm Closing Remarks - Drs.
Kumar Alagramam and Cliff
Megerian