

Fifth Annual Resident Research Day

Department of Otolaryngology - Head &
Neck Surgery
University Hospitals Case Medical
Center
May 9, 2009 - Bolwell Building, Room A

Welcome to the Fifth Annual 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 various topics including photodynamic therapy, otolithic reflexes, hair cell biology and the physiology of vestibular compensation.

PROGRAM AGENDA

8:30-9:00am **Breakfast**

9:00-9:15am Welcome- Drs. James Arnold and Kumar Alagramam

9:15-9:30am Introductory Speaker- Pamela Davis, MD, Ph.D
Dean, School of Medicine, CWRU

9:30-9:45am Scaffold-Free, Engineered Cartilage for Laryngotracheal Reconstruction in Rabbits
David Gilpin, MD

9:45-10:00am Developing a Porcine Model for Scaffold-Free Tissue Engineered Cartilage Implants
Neal Gehani, MD

10:00-10:15am Identifying Proteins Involved in the Development of Stereocilia
Jay Shah, MD

10:15-10:30am Investigating Synaptic Vesicle Fusion at Ribbon Synapses Using Advanced Microscopy
Nipun Chhabra, MD

10:30-10:45am **COFFEE BREAK**

10:45-11:00am Strategies to Protect Hearing in the Hydropic Ear
Joy Obokhare, MD

11:00-11:15am Hearing Protection in the Mouse Model of Endolymphatic Hydrops with Glutamate Release Inhibitor
Sami Melki, MD

11:15-11:30am Utilization of ECoG to Assess Endolymphatic Hydrops in the Phex Mouse Model
Mykola Prykhodko, MD

11:30-12:00pm Phthalocyanine (Pc 4) Photodynamic Therapy
Nancy Oleinick, Ph.D

12:00-1:00pm **LUNCH**

1:00-1:30pm Building and Maintaining Hair Cell Stereocilia - Insight from Mouse Models
David Kohrman, Ph.D

1:30 -2:00pm Otolithic Reflexes, Investigated in Mice
John Stahl, MD, Ph.D

2:00-2:40pm Learning and Plasticity in the Balance System: the Physiology of Vestibular Compensation
Lloyd Minor, MD

2:45 pm Closing Remarks.
Cliff Megerian, MD

Participating Residents

Nipun Chhabra, MD, PGY-2
Neal Gehani, MD, PGY-2
Jay Shah, MD, PGY-2
Mykola Prykhodko, MD, PGY-3
Joy Obokhare, MD, PGY-3
David Gilpin, MD, PGY-3

Invited Guest Speakers

David Kohrman, Ph.D
Associate Professor of Otolaryngology
Associate Professor of Human Genetics
Director, Molecular Genetics Laboratory
Kresgie Hearing Research Institute
University of Michigan
Ann Arbor, MI

Lloyd B. Minor, MD
Andelot Professor and Director
Dept. of Otolaryngology—Head and
Neck Surgery
The Johns Hopkins University School of
Medicine

Nancy Oleinick, Ph.D
Professor
Radiation Oncology, Biochemistry,
Environmental Sciences, Case
Comprehensive Cancer Center
Case Western Reserve University

John S. Stahl, MD, Ph.D
Associate Professor
Department of Neurology
Case Western Reserve University
and Louis Stokes Cleveland Dept. of
Veterans Affairs Medical Center
Cleveland, OH

RSVP Sherrie.irwin@uhhospitals.org
By April 27, 2009.

Program Coordinators

Kumar N. Alagramam, Ph.D
The Anthony J. Maniglia Chair for
Research and Education
Associate Professor
Director of Research

Cliff Megerian, MD
The Richard W. and Patricia R. Pogue
Chair in Auditory Surgery and Hearing
Sciences, Professor & Vice Chair
Director of Clinical Research

Faculty Mentors for Resident Research/Talks on the Agenda

James Arnold, MD
The Julius W. McCall Professor and
Chairman

Cliff Megerian, MD
Professor & Vice Chair

Kumar Alagramam, Ph.D
Associate Professor

James Dennis, Ph.D
Assistant Professor

Robert Sprecher, MD
Assistant Professor

Brian McDermott, Ph.D.
Assistant Professor

Breakfast and lunch will be served

FIFTH ANNUAL RESIDENT

RESEARCH DAY

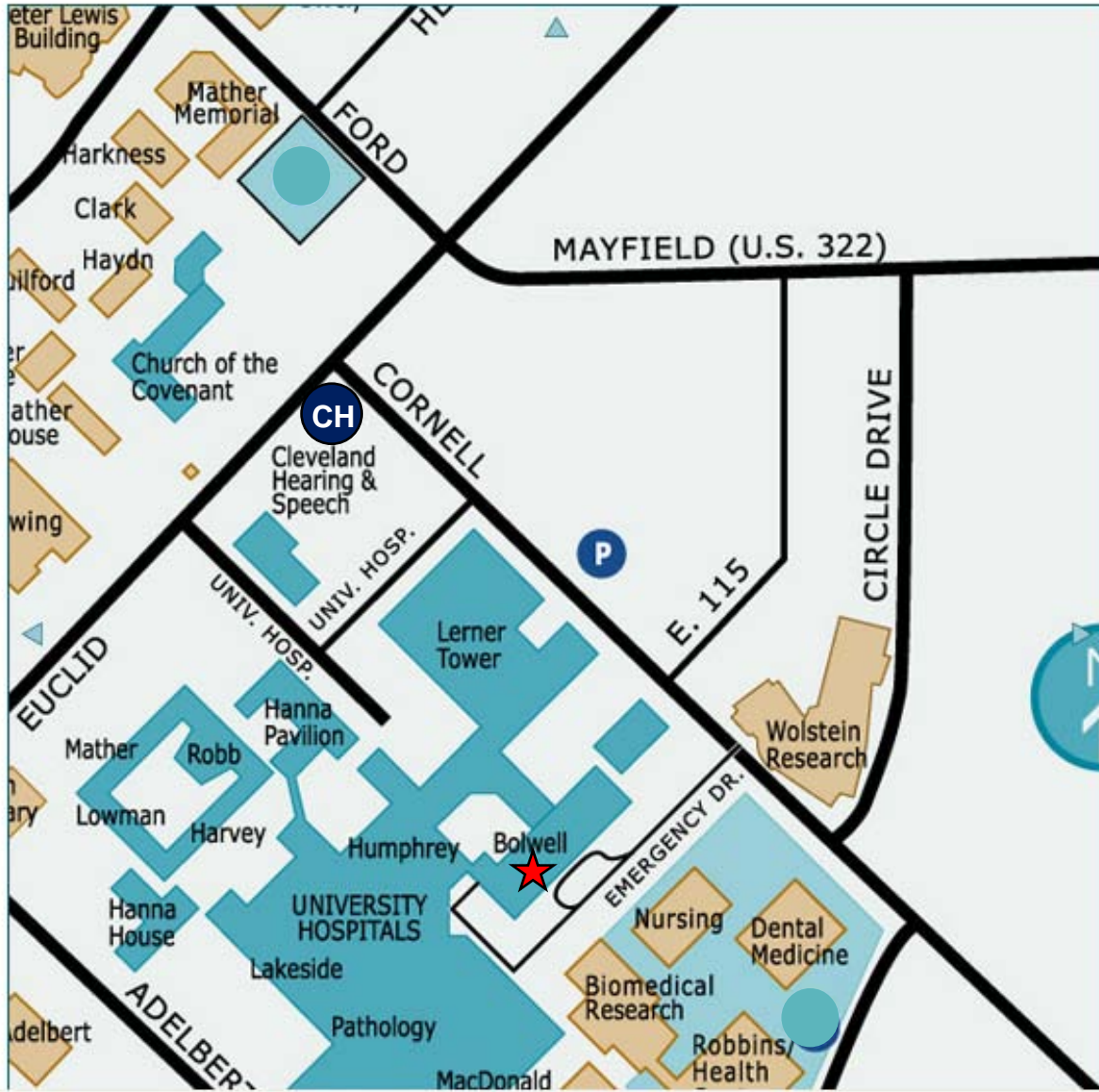
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DEPARTMENT OF OTOLARYNGOLOGY-
HEAD & NECK SURGERY



Case School of Medicine
University Hospitals
Case Medical Center
11100 Euclid Avenue,
Cleveland, OH 44106

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★ Meeting venue

P Parking. *Please bring your parking stub.*

CH Cancer Hospital Construction is ongoing- a landmark at the corner of Euclid & Cornell