

Welcome
to the
6th Annual Resident Research Day
May 8, 2010

Department of Otolaryngology-HNS
University Hospitals Case Medical Center
School of Medicine
Case Western Reserve University

Sixth Annual Resident Research Day

Otolaryngology - HNS
UHCMC, SOM, CWRU

May 8, 2010

Conference Center, Bolwell Building

Welcome to the Sixth 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 related to reconstructive and tissue engineering research.

PROGRAM AGENDA

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

9:00-9:15am **Welcome**
James Arnold, MD and
Kumar Alagramam, PhD

9:15-9:30am **Introductory Speaker**
Robert Miller, PhD
Vice Dean for Research
School of Medicine
CWRU

9:30-9:45am **Cartilage Tissue Engineering**
James Dennis, PhD

9:45-10:00am **Developing a porcine model for scaffold-free tissue engineered cartilage implants**
Neal Gehani, MD, PGY3

10:00-10:15am **Animal Model for Tracheal Tissue Engineering**
Mark Weidenbecher, MD, PGY2

10:15-10:35am **Synapto-pHluorin Transgenic Zebrafish: Towards a Novel Tool to Explore Hair Cell Synaptic Transmission**
Nipun Chhabra, MD, PGY3 & Jay Shah, MD, PGY3

10:35-11:00am **COFFEE BREAK**

11:00-11:15am **Molecular Profiling of Thyroid Tumors to Assist Preoperative Diagnosis**
Michael Yerukhim, MD, PGY2

11:15-11:30am **Rescuing Hearing in a Mouse Model of Hearing Loss Using DNA Nanoparticles**
Kimberly Kinder, MD, PGY2

11:30-11:45am **Pharmacological Protection of Hearing in the Mouse Model of Endolymphatic Hydrops**
Suhail Momin, MS-IV

11:45-12:00pm **Fascin 2b is a Component of Zebrafish Stereocilia that Lengthens Actin-Based Protrusions**
Gus Gomez, MS-IV

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

1:00-1:30pm **What Nanoscience has to Contribute to Assessment of Bone Quality**
Zhilei Shen, M.S. Eng.

1:30-2:10pm **Shaping the Future of Tissue Engineering**
Lawrence J. Bonassar, PhD

2:10-2:50pm **What's Changed in 30 Years?**
Richard Hayden, MD

2:50pm **Closing Remarks.**
Cliff Megerian, MD

Invited Speakers

James Dennis, PhD
Assistant Professor
Orthopedics
Case Western Reserve University, OH

Lawrence J. Bonassar, PhD
Associate Professor
Department of Biomedical Engineering
Sibley School of Mechanical and
Aerospace Engineering
Cornell University, Ithaca, NY

Richard E. Hayden, MD
Chairman
Otolaryngology Head and Neck Surgery
Mayo Clinic, Scottsdale, AZ

Program Coordinators from the
Department of Otolaryngology-HNS

Kumar N. Alagramam, PhD
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

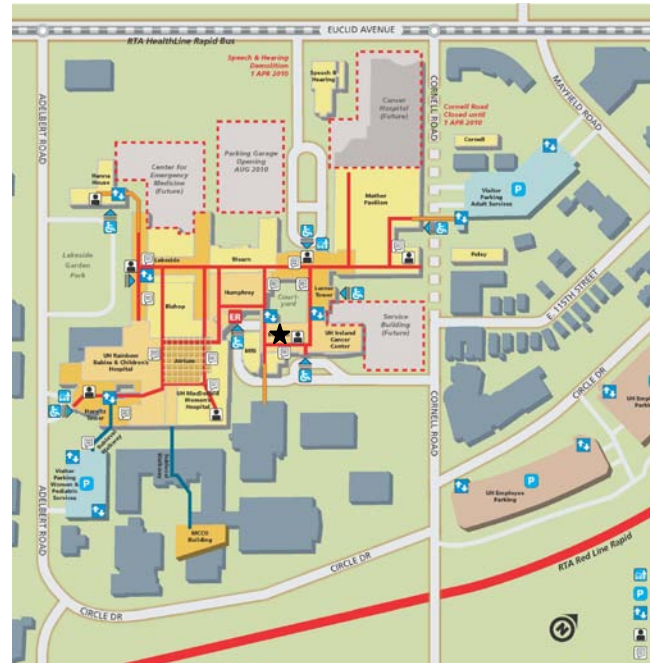
James E. Arnold, MD
The Julius W. McCall Professor and
Chair

RSVP

Sherrie.irwin@uhhospitals.org
By April 27, 2010.

Breakfast and lunch will be served

Disclosure: Dr. Richard Hayden's
lecture is sponsored by
Stryker Craniomaxillofacial
750 Trade Centre Way, Suite 200
Portage, MI 49002



★Venue: Conference Center, Bolwell Building,



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11100 Euclid Avenue,
Cleveland, OH 44106**