

Introductory Speaker

Pam Davis, MD, Ph.D. Vice Dean
of Research, CWRU

Invited Guest Speakers

Michael Jacobs, MD, Ph.D.
Director of Clinical Microbiology, CWRU

Allen Ryan, Ph.D.
Professor and Director of Research,
Dept. Otolaryngology, UCSD.

James Dennis, Ph.D.
Assistant Professor, Department of
Orthopedics, CWRU

Steven Eppell, Ph.D.
Associate Professor, Biomedical
Engineering, CWRU

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

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

Qing Yin Zheng, MD
Otolaryngology-Head and Neck Surgery,
Faculty

Residents

Department of Otolaryngology-Head and Neck Surgery

Anca Barbu, MD, PGY-2

Freedom Johnson, MD, PGY-3

Richard Lee, MD, PGY-3

Kianoush Sheykholslami, MD, PGY-2

Jairo Torres, MD, PGY-3

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

SECOND ANNUAL RESEARCH DAY 2006

DEPARTMENT OF OTOLARYNGOLOGY- HEAD & NECK SURGERY

MARCH 18, 2006
WOLSTEIN AUDITORIUM



Case School of Medicine
University Hospitals of Cleveland

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

Second Annual Research Day 2006

Department of Otolaryngology - Head &
Neck Surgery
University Hospitals of Cleveland
March 18, 2006- Wolstein Auditorium

Iris S. & Bert L. Wolstein Research
Building, 2013 Cornell Rd., Cleveland,
OH, 44106

Welcome to the Second Annual Resident's 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 current status of otitis media (OM), approaches to discover susceptibility factors to OM, effect of resistance in OM pathogens on bacterial and clinical responses, and molecular processes underlying middle ear inflammation. The other topics include nanotechnology enabled bone substitution and tissue engineering for reconstructive surgery.

PROGRAM AGENDA

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| 8:30-9:00am | Breakfast |
| 9:00-9:15am | Welcome- Drs Kumar Alagramam and James Arnold |
| 9:15-9:30am | Introductory Speaker- Pam Davis, MD., Ph.D. (Vice Dean for Research, CWRU) |

RESIDENT TALKS

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| 9:30-9:45am | Testing the efficacy of Pc-4 against CRPV - Anca Barbu, MD (Resident) |
| 9:45-10:00am | "VEMPs, normative data, laterality and neural pathway: basic and clinical approaches"- Kianoush Sheykholeslami, MD (Resident) |
| 10:00-10:15am | PDT in a Murine Xenograft Model-Richard Lee, MD (Resident) |
| 10:15-10:30am | Validation of Markers in HNSCC - Freedom Johnson, MD (Resident) |
| 10:30-10:45am | BREAK |
| 10:45-11:00am | P53 and Caspase 3 Expression in Guinea Pig Hydropic Ear- Jairo Torres, MD (Resident) |
| 11:00-11:30am | Nanotechnology enabled biomimetic bone substitute.-Steve Eppell, Ph.D. (BME Faculty) |
| 11:30-12:00pm | Engineered Cartilage for Tracheal Reconstruction - James Dennis, Ph.D. (Orthopedics Faculty) |
| 12:00-1:00pm | LUNCH |

OTITIS MEDIA

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|--------------|--|
| 1:00-1:30pm | Status of OM today-A clinical perspective-James Arnold, MD (Otolaryngology-HNS, Faculty) |
| 1:30-2:00pm | Mouse models of OM- Genomic & proteomic approaches to discover susceptibility factors-Qing Zheng, MD (Otolaryngology-HNS, Faculty) |
| 2:00- 2:30pm | MAP-Mouse Auditory Proteomics-Implications for Hearing Research-Kumar Alagramam, Ph.D. (Otolaryngology-HNS, Faculty) |

INVITED SPEAKERS

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|-------------|--|
| 2:30-3:15pm | Effect of resistance in otitis media pathogens on bacterial and clinical responses-Michael Jacobs, MD, PH.D (Director of Clinical Microbiology, CWRU) |
| 3:15-4:00pm | Cell signaling in middle ear inflammation, mucosal proliferation, and recovery- Allen Ryan, Ph.D. (Professor and Director of Research, Dept. Otolaryngology, UCSD) |
| 4:00pm | Closing Remarks - Dr. Cliff Megerian |